AVC-152

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CODING OF MOVING PICTURES AND ASSOCIATED AUDIO

ISO-IEC JTC1/SC2/WG1
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Title : Detail description of JVC proposal, "S-MPEG" method
Purpose : Proposal

1. PREFACE

The JVC coding method, "S-MPEG" has been developed to be applied to a wide variety of packaged media, broadcasting, communication and the like. For this reason, not only reproduced picture quality after decoding but also its operating features, coding delay, countermeasure against coding error and compatibility with the MPEG1, are well considered.

The overall architecture for inter-picture processing is unique to balance the operating features and the picture quality. However, since many of the employed signal processings are already proven ones and the intra-picture processing is an improved one from the MPEG1 system of its details, it would not take much time to utilize this method.

There are provided intra-pictures quite frequently (i.e. at every 3 to 5 fields), as a result, the performances of random access and switching between broadcasting channels are excellent. A concept of progressive decoding is applied, and when interrupted, the reproduced picture regains its quality within a period of 0.3 to 0.5 sec.

Since the intra-pictures are same as that of MPEG1,the data stream can be decoded by an MPEG1 decoder by simply adding a "B" frame portion of 0.4 Mbps or so.

In order to increase the coding efficiency, the motion estimation and the motion compensation are improved, as well as a part of the intra-picture processing. Further, the quality of intra-pictures in the normal reproduction is considerably enhanced due to the inter-picture adaptive addition.

2. OUTLINE OF THE ARCHITECTURE

2-1. Picture Format

The picture format which is subject to the coding is the CCIR Rec. 601 (4: 2: 2) as it is where no sub-sampling is applied, accordingly in the simulation, the following format is used corresponding to 525 / 60;

Y	:	704	x	240	pixels 60 pictures / sec
Cb,Cr	:	352	x	240	pixels 60 pictures / sec
Slice	:	704	x	16	pixels (44 x 2MB)
macro block (MB)	:	16	x	8	pixels (Y x 2B, Cr x 1B, Cb x 1B)
DCT block(B)	:	8	x	8	pixels (applied to Y, Cr, Cb)

2-2. Inter-Picture Processing

In this coding method, pictures are processed completely in the unit of field. The inter-picture processing is quite unique with no such precedents. Each field has 2 types of picture of unified "I" and "P" in contrast to "I" , "P" and "B" (3 types) in the MPEG1.

As described in the following, it includes an intra-picure and there are provided the core "C" field predicted unidirectionally and the "B" field predicted bidirectionally. In the simulation, the "C" field is provided every 3 (M=3) fields in case of 9 Mbps, and every 5 (M=5) fields in case of 4 Mbps.

"C" field (unidirectional processing)

- "I" part : low-band intra-coding + inter-picture addition
- "P" part : inter-picture prediction + "I" error coding

"B" field (bidirectional processing) inter-picture prediction coding

As shown above, the "C" field consists of the predicting part "P" and the "I" part in which the only low frequency component is independently coded within the picture. Further, as the inter-picture processing, the adaptive addition is applied to the reproduced picture. The part "P" is the coded remainder of the subtraction where the high frequency component of the inter-picture prediction signal and the reproduced "I" are deducted from the original picture. The inter-picture processing is performed with the unified "I" and "P" up to the motion compensation. And the preceding 2 "C" fields are motion-compensated and adaptively used in 4 modes.

The "B" field is bidirectional processing basically similar to the "B" field of MPEG1. Basically consecutive 3 fields are used for prediction but in case of M = 5, there used only 2 consecutive fields in order to minimize the field memory and coding delay. The prediction modes are 7 in total.

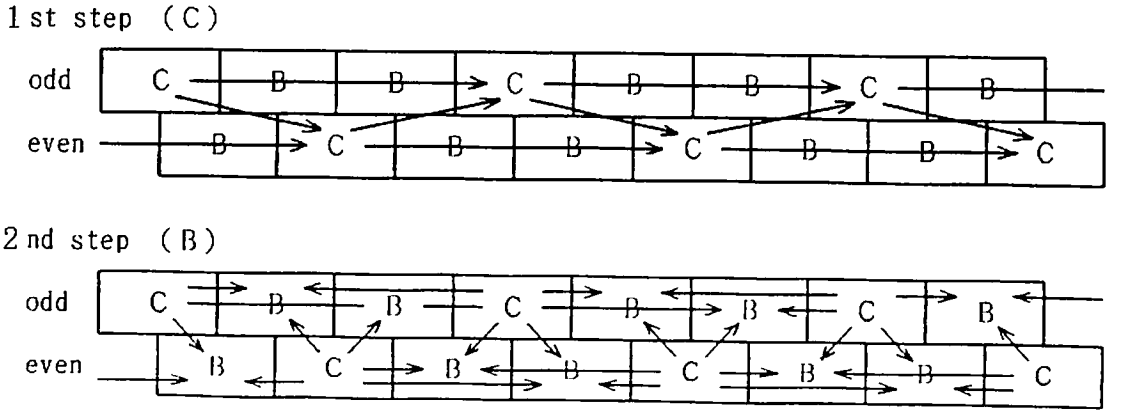


Fig. 1 Inter-Picture Architecture

2-3. Intra-picture Processing

There are 3 intra-picture processings which are "I", "P" and "B" similar to the ones of the MPEG1. For the compatibility purpose, the "I" is exactly the same as the one of the MPEG1. The "P" and "B" processings are basically similar to the ones of the MPEG1, and the 8 x 8 DCT, the quantization matrix, the zigzag scan and the run-length coding are employed.

In the quantization matrix, it is considered that the low frequency component of the "P" is a remainder of the "I". 2 different zigzag scans are employed corresponding to the Y and C of which the pixel aspect ratios are different from each other.

The sub-format for the intra-picture processing of "I" is same as the one of the MPEG1 as follows:

Sub Format for Intra Part
Y : 352 x 240 pixels
Cb ,Cr : 176 x 120 pixels

2-4. Syntax

The syntax is basically similar to the one of the MPEG1, but the biggest exception is its motion vector data which are not assembled within the macro block but are assembled for each field (direction) within a picture layer in consideration of cell loss in ATM and code error. The reason for this is that, in this coding method, a plurality of fields are used without fail, thus when one of the motion vectors is lost the loss is compensated from the other field. Further, the motion vector data are subject to decimation.

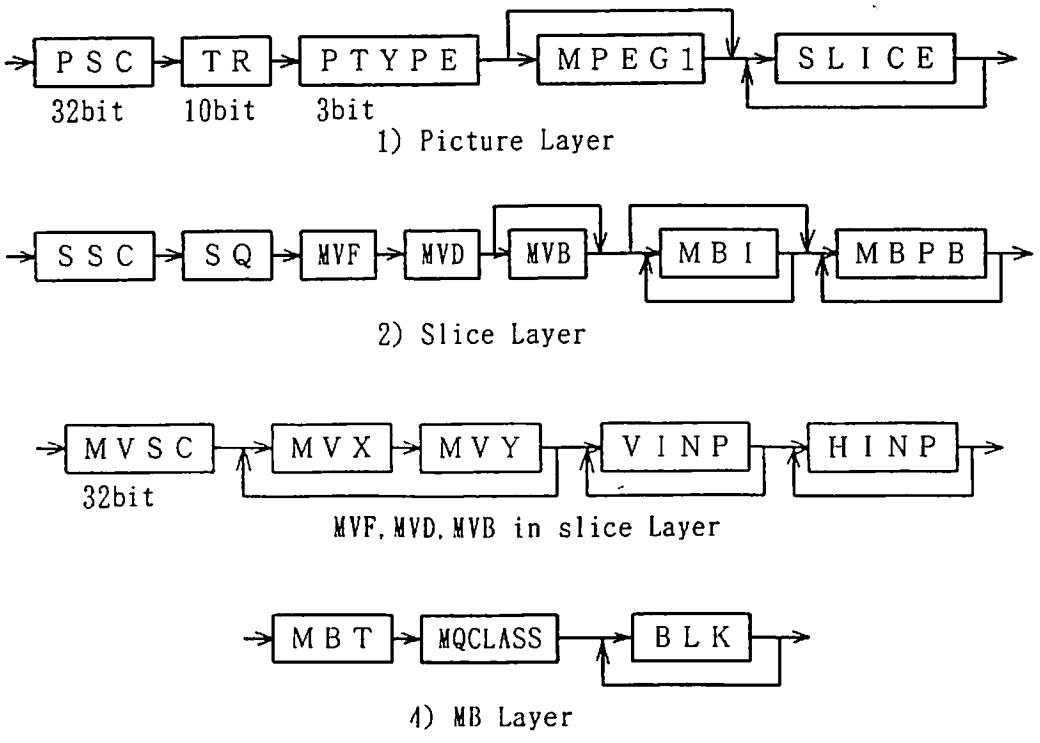


Fig. 2 Layer structure

Another point which should be noted is the way of handling MQUANT. The MQ information are classified to each MB under the slice layer, and the difference components are variable run length coded of the every macro-block.

The sequence layer and the GOP layer are expected to have additional terms in the future but are kept same as the MPEG1's for the time being. The content of the other layers are partly simplified.

2-5. Encoder/Decoder Configuration

Fig. 3 shows a schematic diagram of the encoder according to this coding method, processing operations of which are quite different between the "C" field and the "B" field, and the signal stream can be changed by the switches as shown.

In the "C" field, encoding and decoding of the part "I" are performed first, the part "I" is a low frequency component, and the input signal is coded by subsampling after being filtered, which the locally decoded signal is oversampled (interpolation) to restore its original number of pixels.

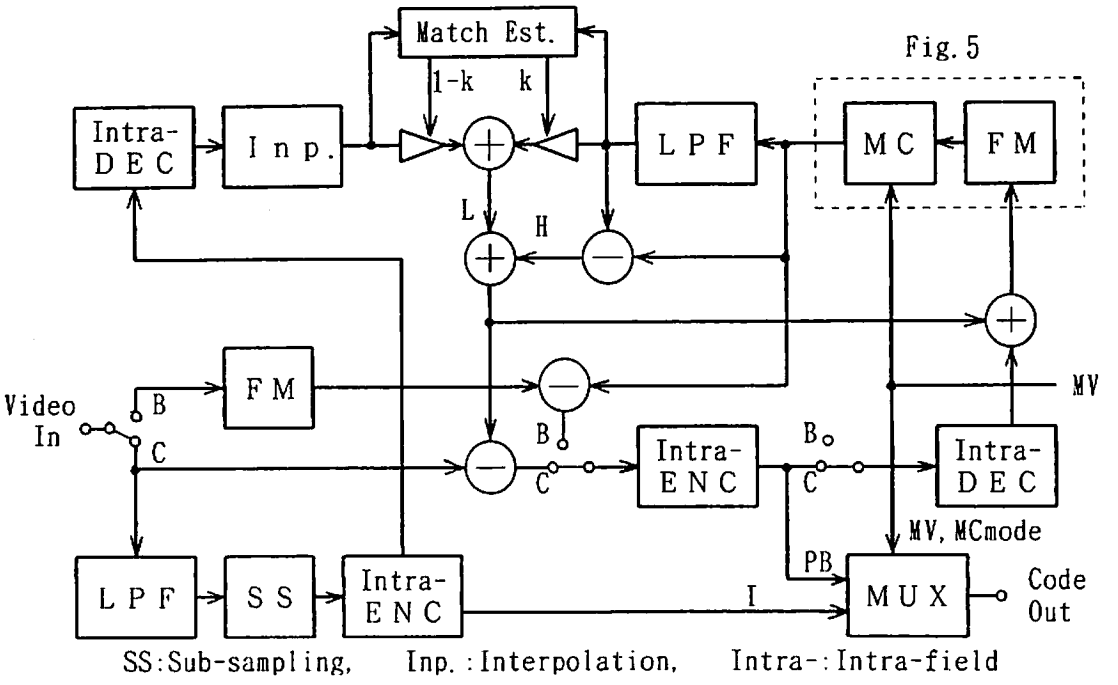


Fig3. Encoder Block Diagram

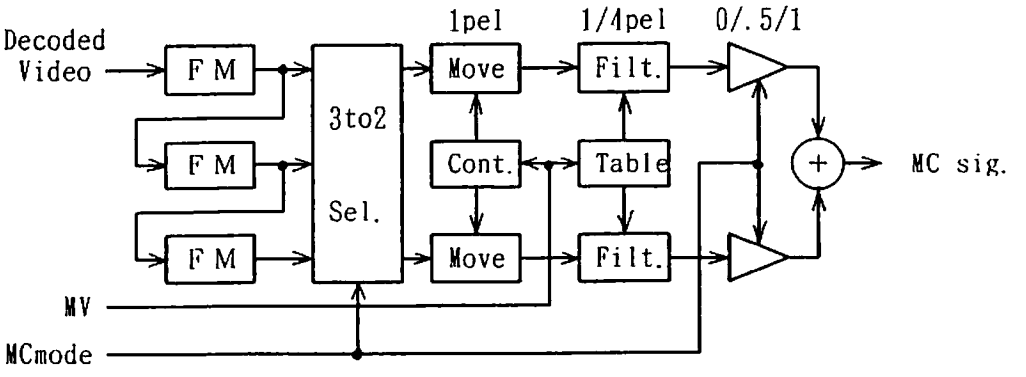


Fig. 4 Motion Compensator Block Diagram

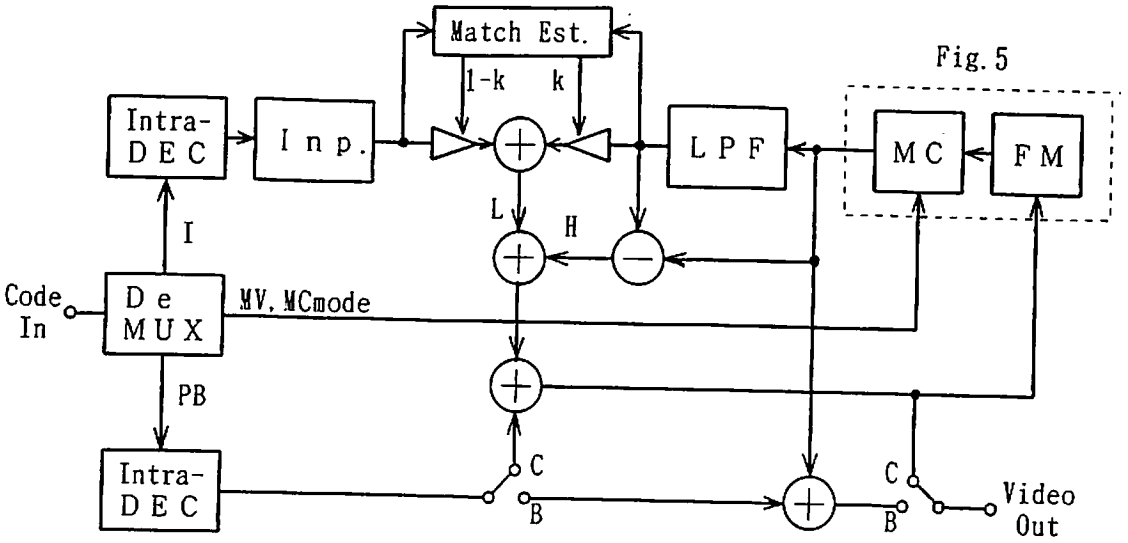


Fig. 5

Fig. 5 Decoder Block Diagram

On the other hand, the inter-picture signal which is subject to the motion compensation according to the schematic diagram of Fig.4, becomes a signal corresponding to the part "I" by being filtered in the same manner for the subsampling. These signals are inspected for matching part by part of picture, then added more with preceding signals ($k \simeq 0.8$) for the well matched picture parts, and added more with current signals ($k \simeq 0$) for the poorly matching picture parts. Thus formed "I" part of the reproduced picture and the high frequency predicting signal are subtracted from the input signal, and an intra-picture encoding and decoding process of the "P" part is performed. The reproduced picture is composed of this decoded remainder signal being added to the result of the previous subtraction, and is stored subsequently to a field memory.

The "B" field is predicted from the "C" field, 3 of which are actually used for the prediction. The prediction error is coded within a picture like "P" signal processing. Since the "B" field is non-recursive prediction, the prediction process may be performed from the original picture not from the locally decoded signal.

Fig.5 shows a schematic diagram of the decoder according to this coding method, in the decoder, the "C" field processing is exactly the same as the one in the local decoding part of the encoder. The reproduced picture of the "B" field is obtained from the "C" field.

3. DETAIL OF PROCESSING

3-1. Intra-Picture Processing

The processing is basically same as MPEG1 and part of the table is changed.

1) (I)DCT

Same as MPEG1.

2) Matrix

8,	16,	19,	22,	26,	27,	29,	34
16,	16,	22,	24,	27,	29,	34,	37
19,	22,	26,	27,	29,	34,	34,	38
22,	22,	26,	27,	29,	34,	37,	40
22,	26,	27,	29,	32,	35,	40,	48
26,	27,	29,	32,	35,	40,	48,	58
26,	27,	29,	34,	38,	46,	56,	69

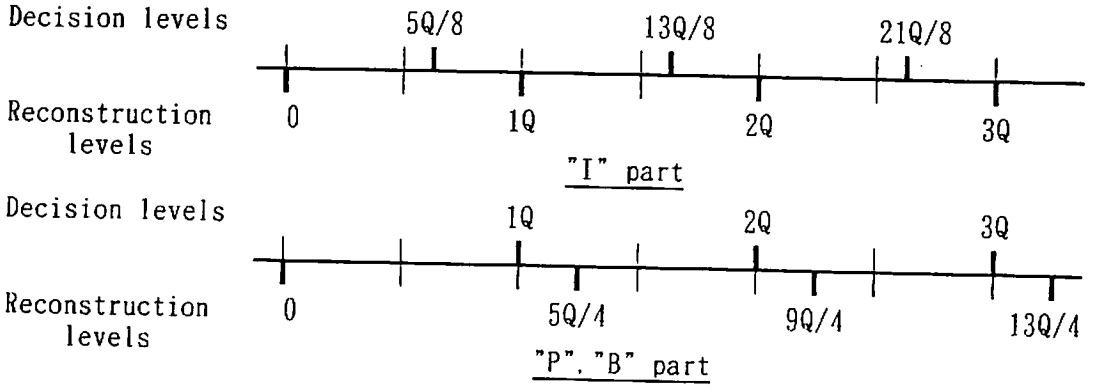
Quantize Matrix for "I"

14,	16	,18,	20,	22,	24,	26,	28
15,	17,	19,	21,	23,	25,	27,	29
17,	19,	21,	23,	25,	27,	29,	31
18,	20,	22,	24,	26,	28,	30,	32
20,	22,	24,	26,	28,	30,	32,	34
21,	23,	25,	27,	29,	31,	33,	35
23,	25,	27,	29,	31,	33,	35,	37

Quantize Matrix for "P","B"

3) (De)Quantization

The processing is shown in Fig.6.



Q = QMATRIX x QSCALE x MQUANT / 256

MQUANT	=	12	... MQCLASS=	4
	=	10	... =	3
	=	8	... =	2
	=	7	... =	1
	=	6	... =	0

QSCALE= 1...31

Fig.6 Quantization

4) Zigzag Scanning

0.	1.	5.	6.	14.	15.	27.	28
2.	4.	7.	13.	16.	26.	29.	42
3.	8.	12.	17.	25.	30.	41.	43
9.	11.	18.	24.	31.	40.	44.	53
10.	19.	23.	32.	39.	45.	52.	54
20.	22.	23.	38.	46.	51.	55.	60
21.	34.	37.	47.	50.	56.	59.	61
35.	36.	48.	49.	57.	58.	62.	63

Scanning for "I", and Crominance in "P","B"

0.	2.	6.	12.	20.	28.	36.	44
1.	5.	11.	19.	27.	35.	43.	51
3.	7.	13.	21.	29.	37.	45.	52
4.	10.	18.	26.	34.	42.	50.	57
8.	14.	22.	30.	38.	46.	53.	58
9.	17.	25.	33.	41.	49.	56.	61
15.	23.	31.	39.	47.	54.	59.	62
16.	24.	32.	40.	48.	55.	60.	63

Scanning for Y in "P","B"

5) VLC

Same as MPEG1

3-2. Inter-picture Process

1) "C" field

There are 4 types of prediction modes, which are "For" ,"Diff", "Ave" of the "For" and "Diff", and "Fade" using slant prediction. This process is performed both in "I" part and "P" part. Intra exists only in "P" part and information of prediction mode is sent even though the mode is Intra.

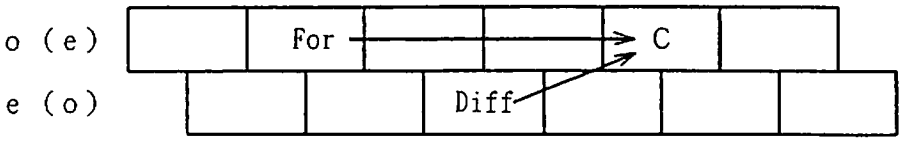


Fig. 7 "C" Inter-picture Process

Macro Block Type and VLC Table

VLC	For	Diff	Fade	Code	Intra	
10	1	1	0	0	0	Ave not coded
01	1	1	0	1	0	Ave coded
110	1	0	0	0	0	For not coded
111	1	0	0	1	0	For coded
0001	0	1	0	0	0	Diff not coded
001	0	1	0	1	0	Diff coded
0000 0010	1	1	1	0	0	Fade not coded
0000 0011	1	1	1	1	0	Fade coded
0000 110	1	1	0	0	1	Ave Intra not coded
0000 111	1	1	0	1	1	Ave Intra coded
0000 100	1	0	0	0	1	For Intra not coded
0000 101	1	0	0	1	1	For Intra coded
0000 0110	0	1	0	0	1	Diff Intra not coded
0000 0111	0	1	0	1	1	Diff Intra coded
0000 0001 0	1	1	1	0	1	Fade Intra not coded
0000 0001 1	1	1	1	1	1	Fade Intra coded

2) "B" field

B" field is predicted by 3 "C" fields."For","Diff","Back" and there are 7 types of prediction modes including Intra mode.

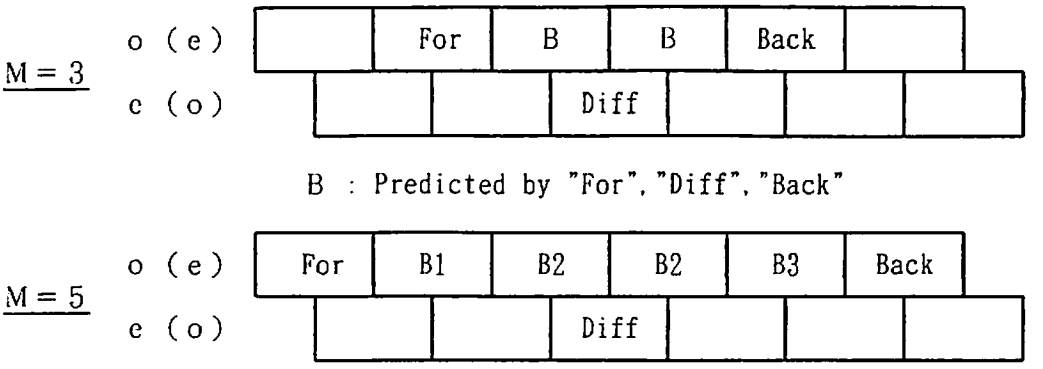


Fig. 8 "B" Inter-picture Process

Macro Block Type and VLC Table

VLC	For	Diff	Back	Code	Intra		
10	1	0	1	0	0	F+B	not coded
11	1	0	1	1	0	F+B	coded
0100	1	1	0	0	0	F+D	not coded
0101	1	1	0	1	0	F+D	coded
0110	0	1	1	0	0	D+B	not coded
0111	0	1	1	1	0	D+B	coded
0010	1	0	0	0	0	F	not coded
0001 0	1	0	0	1	0	F	coded
0011	0	0	1	0	0	B	not coded
0001 1	0	0	1	1	0	B	coded
0000 1	0	1	0	0	0	D	not coded
0000 01	0	1	0	1	0	D	coded
0000 001	0	0	0	1	1	Intra	

3-3. Adaptive Inter-picture Addition

The inter-picture addition is one of the features of this coding method. In this process, each picture is coded discretely, and the quantization error is minimized by the motion-compensated adaptive addition utilizing the correlation between pictures in the decoding process. Each picture can be used independently, and the quality of the picture in the normal reproduction is enhanced by the addition. Since the control of the addition is performed not in the unit of blocks but of pixels, this addition is very effective against mosquito noise.

1) Matching Estimation

The process is shown in Fig.9.

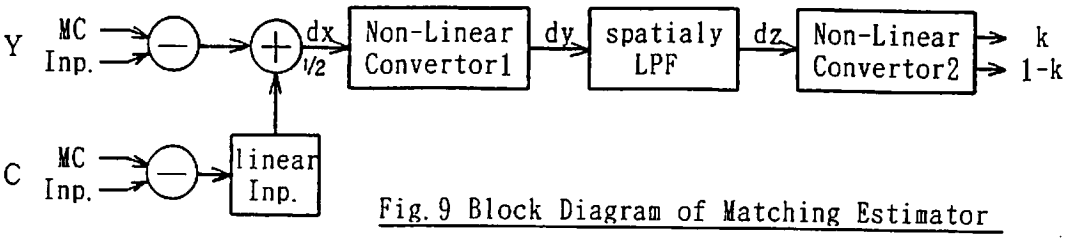


Fig. 9 Block Diagram of Matching Estimator

*Non-Linear conversion 1

dy = 0 ... dx < 4

= 5(dx-4)/QSCALE ... 4 < dx < QSCALE + 4

= 15 ... QSCALE + 4 < dx

QSCALE = QSCALE of Intra part

*Spatially LPF

Horizontally Coefficients = 1, 0, 2, 0, 2, 0, 2, 0, 1 (x1/8)

Vertically Coefficients = 1, 2, 2, 2, 1 (x1/8)

*Non-Linear conversion 2 (k : Additional Factor)

k = 0.25 ... dx < 4

= 0.25+0.75(dz-4)/QSCALE ... 4 < dx < QSCALE + 4

= 1.0 ... QSCALE + 4 < dx

2) Variable Adder

Interpolated signal(X) and MC-filtered signal(Y) are added by k.

Result = (1-k) x X +k x Y

3) Interpolator

Y: Horizontally 352 x 240 ---> 702 x 240

C: Horizontally + Vertically 176 x 120 ---> 352 x 240

Filter Coefficients for H. and V. = -1/8, 5/8, 5/8, -1/8

4) LPF

Horizontally Variable Filter (7 taps) + Vertically Variable Filter (7 taps)

The Coefficients are as below:

Wide	(1)	0,	0,	0,	32,	0,	0,	0	(x1/32)	V	
↑	(2)	0,	0,	4,	24,	4,	0,	0	(x1/32)	V	
	(3)	0,	-2,	8,	20,	8,	-2,	0	(x1/32)	V	
	(4)	-2,	0,	10,	16,	10,	0,	-2	(x1/32)	V	H
	(5)	-1,	2,	9,	12,	9,	2,	-1	(x1/32)	V	H
	(6)	0,	3,	8,	10,	8,	3,	0	(x1/32)	V	H
	(7)	1,	4,	7,	8,	7,	4,	1	(x1/32)	V	H
Narrow	(8)	2,	5,	6,	6,	6,	5,	2	(x1/32)	V	H

3-4. Quantization Error Compensation

The technology described above is effective as far as the quantization error varies between pictures, but not so to the still pictures having no variations between them as the quantization error remains unchanged. However, if the quantization error which is added in the decoding is deducted from the original picture, the quantization error of the reproduced picture is minimized by the addition. This is the quantization error compensation, and is expected useful to CGs of which pictures are normally noise free and have moderate variations .

3-5. Motion Compensation

High precision motion compensation is performed with an accuracy of 1/4 pixel. In the Y signal process, in order to prevent a degradation of resolution, a 4-tap filter is used for a minute movement caused within 1 pixel.

This filter is elaborated to precisely restore even the aliasing distortion component included in each field. A prediction frame is composed from 2 prediction fields, then scanning distortion component is supposed to be recreated and the resolution of the reproduced pictures will be further improved.

In order for the "P" component recovering quickly upon a random access operation, its signal is filtered slightly when the motion is zero so that the prediction coefficient in the high frequency range does not become 1.0.

1) Pixel Moving

Y: 20 x 12 pixels are moved for 4 tap sub-pixel filter

C: 18 x 10 pixels are moved for 2 tap sub-pixel filter

2) Sub-pixel Filter

a) 4 tap framenized filter : The coefficients of filter are depend on the both fields in MC. Then, the table of coefficients is 2 dimensional as below:

MV1 (deci.)	MV2(deci.)	Coef.1(x 1 / 16)	Coef.2(x 1 / 16)
0	0	1, 14, 1, 0	1, 14, 1, 0
0	0.25	-3, 22, -3, 0	0, 18 -2, 0
0	0.5	-3, 22, -3, 0	0, 8, 8, 0
0	0.75	-3, 22, -3, 0	0, -2, 18, 0
0.25	0	0, 18, -2, 0	-3, 22, -3, 0
0.25	0.25	-2, 15, 4, -1	-2, 15, 4, -1
0.25	0.5	-3, 19, 0, 0	0, 8, 8, 0
0.25	0.75	1, 20, -4, -1	-1, -4, 20, 1
0.5	0	0, 8, 8, 0	-3, 22, -3, 0
0.5	0.25	0, 8, 8, 0	-3, 19, 0, 0
0.5	0.5	-2, 10, 10, -2	2, 10, 10, -2
0.5	0.75	0, 8, 8, 0	0, 0, 19, -3
0.75	0	0, -2, 18, 0	-3, 22, -3, 0
0.75	0.25	-1, -4, 20, 1	1, 20, -4, -1
0.75	0.5	0, 0, 19, -3	0, 8, 8, 0
0.75	0.75	-1, 4, 15, -2	-1, 4, 15, -2

b) 4 tap normal filter

MV	Coef.(x 1 / 16)
0	1, 14, 1, 0
0.25	-2, 15, 4, -1
0.5	-2, 10, 10, -2
0.75	-1, 4, 15, -2

c) 2 tap normal filter

MV	Coef.(x 1 / 4)
0	4, 0
0.25	3, 1
0.5	2, 2
0.75	1, 3

Y (Vertical P.Mode = Ave, F+B, F+D, D+B) ---> a)
Y others ---> b)
C ---> c)

3-6. Motion Estimation

1) 2 stage Estimation

ME Range(V,H) is not depend on the field distance.

1st stage

Condition: 1/2 subsampled, 16 x 8 pixels, 1 pixel accuracy

Range(V,H) : +/-15 pixels (+/-30 in original picture)

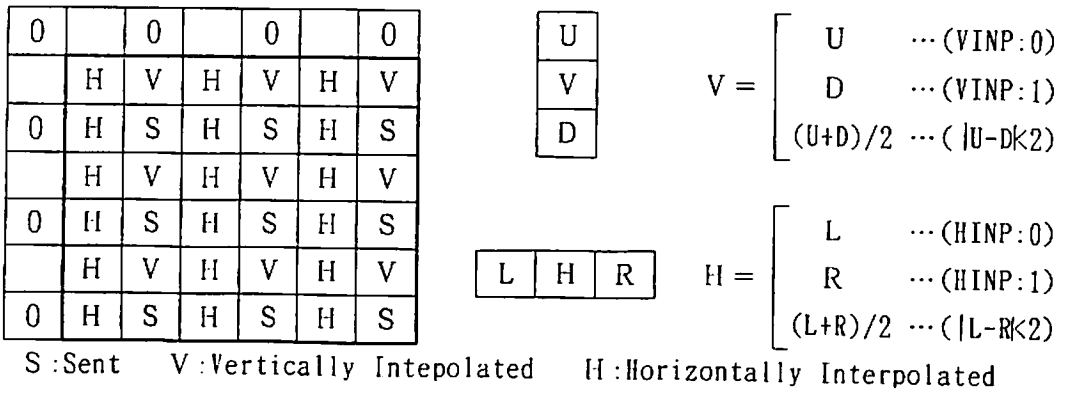
2nd stage

Condition: 16 x 8 pixels, 1/4 pixel accuracy

Range(V,H) : +/-2pixels around the result of 1st stage

2) MV Interpolation

In order to make a block of the motion compensation finer, the motion detection amount and the resulted information are reduced rationally as shown in Fig. 6. The motion detection and the transmission of the resulted information are performed in the 1/4 block (S), and the vector information thereof are transmitted in the similar manner to that of the MPEG1.



S :Sent V :Vertically Intepolated H :Horizontally Interpolated

Fig. 10 Motion Vector Transmission

The remaining blocks are interpolated with either of the 2 vectors or with the median of the 2, and its mode only is transmitted. This process is performed first in the vertical (V) direction then horizontal (H). Preferably the above processes are performed together in each unit of slice and the syntax described in paragraph 2-4 is reasonable for the process.

3) MV VLC

Code = VLC (s) -16 < MV < +16

= ESC (5 bit) + VLC(r) + (5...10 bit) others

VLC (s)	MV dif	VLC (r)	SIZE	MV dif	
1	0	1	5	-31...-16	16...31
01b	1	01	6	-63...-32	32...63
001b	2	001	7	-127...-64	64...127
0001 1b	3	000 1	8	-255...-128	128...255
0000 11b	4	0000 1	9	-511...-256	256...511
0000 101b	5	0000 01	10	-1023...-512	512...1023
0000 100b	6				
0000 0111 b	7				
0000 0110 b	8				
0000 0101 1b	9				
0000 0101 0b	10				
0000 0100 1b	11				
0000 0100 0b	12				
0000 0011 1b	13				
0000 0011 0b	14	b = 0	.....	MV = +	
0000 0010 1b	15	b = 1	.....	MV = -	
0001 0	ESC				

3-7. Mquant

In this coding method, considering visual picture quality within a field, the quantization steps are adaptively varied at every macro-block. As the parameters which determine the visual picture quality, the activity level(ACT) in the macro-block, and a normalized value of the difference (STD) between the activity level of 8 macro-blocks which surround the contemplated macro-block and the activity level of the contemplated one, are used and the quantization steps are determined based on the 2 dimensional determination norms.

There provided 5 quantization classes i.e. the quantization steps for MBS derived from the data rate control section, are weighted in 5 different magnitudes according to the classes to determine quantization steps actually used for every macro-block. For the part "P" and the field "B", the same 5 class determination as for the part "I" is performed before the motion compensation(MC), further, the architecture is designed to perform a class determination in 3 levels on the picture subjected to the MC.

MQ information are classified to each macro-block under the slice layer and the difference components are variable run length coded of every macro-block. In order to improve the efficiency for coding difference components and to avoid a sudden picture quality variation, the class determination is controlled to change gradually.

3-8.Rate Control

Inter-picture architecture of this coding method has only 2 field types (i.e. "C" field having a layered structure of combined "I" and "P" parts and "B" field residing there between). Lack of such field as "I" field of the conventional MPEG 1, which intermittently generates a large amount of data, makes the present method possible to have very stable coding performance. General diagram of the overall control is shown in Fig.

For the layered structure of "I", "P" and "B", 4 control parameters shown below are provided:

QL: Quantization steps in the part "I"
FL: Lowpass filter in the part "I"
QH: Quantization steps in the parts "P" and "B"
FH: Lowpass filter in the parts "P" and "B"

The quantization steps in the "C" field are so controlled that it takes same levels in the parts "I" and "P" basically, and when the balance of assigning an amount of code between the parts "I", "P" and "B" needs to be changed, the control is performed by changing the degree of band-limiting of each filter provided in the respective band.

Those parameters are determined according to the feedback and feedforward information. As the feedback information, the past control parameters, the actual code amount, the transition of buffer occupancy factor are used. As the feedforward information, calculation is performed on the picture which is going to be coded where the activity value correlated highly to the code amount, is used. Past control errors reflected in the feedforward section and optimization is performed on the picture which is going to be coded where the activity value correlated highly to the code amount, is used. Past control errors reflected in the feedforward section and optimization is performed by learning picture characteristics.

In the "C" field, even when a picture is inputted which is beyond the controllability in the "I" part, correction to keep the balance of data amount, is performed in the "P" part, thus, the control is stable and the picture is less affected.

Buffer capacities used in this simulation are 256 kbits in the part "I" for both 4 Mbps and 9Mbps, and 768 kbits in the parts "P"and "B".

4. APPLICATIONS AND PERFORMANCES

JVC coding method, "S-MPEG" can be applied to various image systems or equipment of different requirements by changing parameters of the encoder, but no change is required for the decoder. The change of the parameters include the value M (3 or 5) of the "C" field interval, the field number F (2 or 3) for predicting the "B" field and the response (coefficient) of the LPF for "I" part. The M and F are fixed for each coder but the response of the LPF, which also serves as a rate controller, is variable.

For communication systems where a delay is desired to be short, the values of M and F are made small. When the "search" feature is insignificant, the LPF is made narrow-band. Those parameter changes subject picture quality in normal and special reproductions and picture quality when code error occurs, but no operating features are lost. For example, when the data coded for communication are recorded on a VTR, a special reproduction of which is still possible.

Table 1 show practical applications; when the LPF is narrow-band, M = 3 having smaller delay is advantageous because it does not make much difference of the coding efficiency between 3 and 5 of M.

Table 1 Applications

Applications		Typ. Rate*1	T. Mode	M	F	L P F
D S M	V T R*2	1 0 Mbps	Const.	3	3	Wide
	Disk *3	6 Mbps	Const.	5	3	Wide
Broadcast	S N G	1 0 Mbps	A/C	3	2/3	Narrow
	Distri.	4～10Mbps	A/C	3	2/3	Narrow
	D B S	4 Mbps	ATM	3	3	Narrow
I S D N	One way	4～10Mbps	ATM	3	3	Narrow
	Two way	5～10Mbps	ATM	3	2	Narrow

*1:Rec. 601, *2:simulated in 9Mbps, *3:simulated in 4Mbps

4.1. ENC/DEC Timing and Delay

The key of the coding delay is the value of "M" and the number of fields used for "B" prediction, which are smaller the better, and is related to the characteristics of the transmission path. The basic coding and decoding sequence when M = 3 is shown in Fig. 11 In this figure, after the C6 field is coded, the first "B" field (i.e. the field B2) which requires the coded C6, is processed. Transmission and decoding are performed in the same timing, but picture representations are arranged into the original order. Overall delays including this case are shown in Table 2(a).

When the transmission rate is fixed, the variation component of the data amount per picture becomes a delay. In this case, delays are shown in Table 2(b).

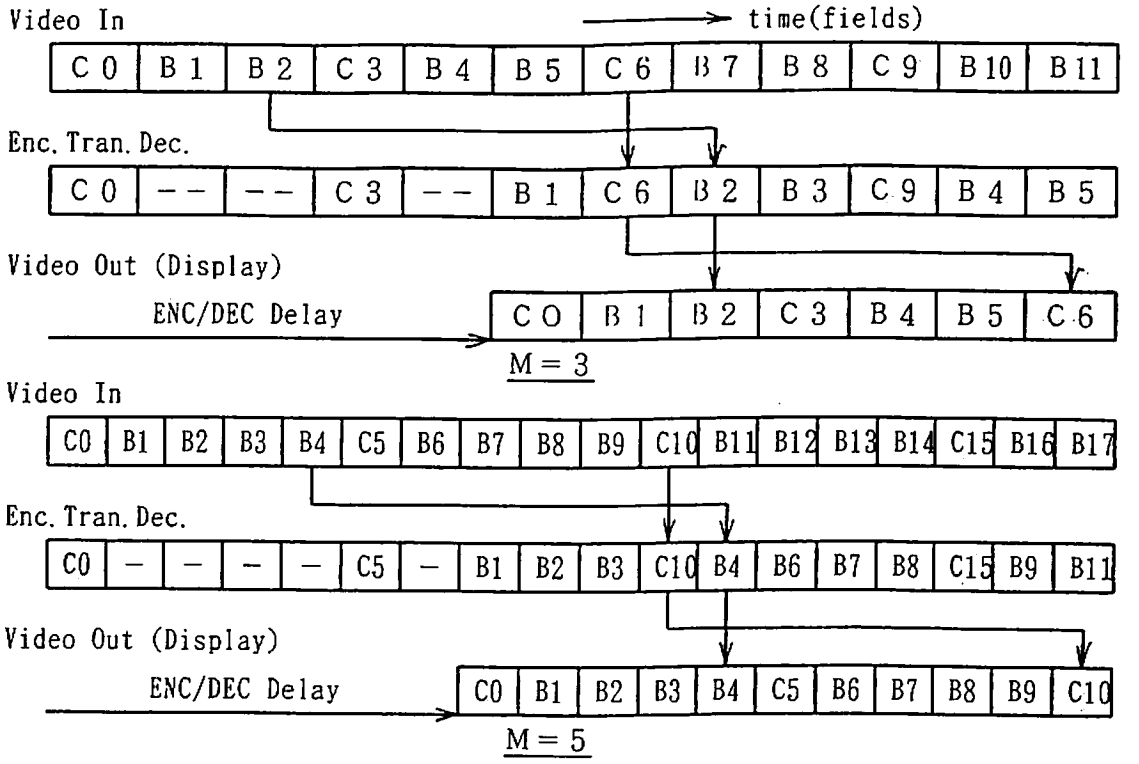


Fig. 11 Process Timing

4-2. Random Access and Channel Change

Random access in packaged media seems similar to the channel change in the broadcast reception, but the situation is different between them. The problem in the former is a required time for reproducing the arbitrary selected picture while in the latter, the time required for appearing a picture when the data stream is switched at an arbitrary timing. Further, in the former the rate is fixed, and in the latter the transmission delay is small since a multi-channel ATM transmission is assumed to be adopted. Such characteristics in this coding method are shown in Table 2(c), (d) including the case of the extended MPEG1 for comparison purpose.

In case of random access, the average data amount will be the values shown in Table 2(c), yet the obtained picture will not be a complete one. However , in case of moving picture reproduction, it is quite probable that such moving picture reproduction continues after a random access, leading to a representation of full quality pictures according to this method. Thus the degradation in the start up pictures will not be a problem.

In case of channel change, when the reproduction resumes at an arbitrary point of data stream, it is shown in Table 2(d), where picture degradation is same in the case of random access.

For quicker picture reproduction, it can be achieved by repeated presentation of "C" field which is decoded precedingly. Demonstration of this is planned for the KURIHAMA meeting.

Accordingly, the random access and channel change performances of this method are considered to be very rational and superior to previous methods.

Table 2 Time Performance in fields(time)

Coding Method	M	a) ENC/DEC Delay	b)Const. Rate Delay	c) Random Access	d) Channel Change
S-MPEG	3	5 (86ms)	7 (120ms)	6(100ms)*2	8(130ms)*2
S-MPEG	5	7 (120ms)	10(170ms)	9(150ms)*2	12(200ms)*2
MPEG-EXT	3 *1	6 (103ms)	15(250ms)	24(400ms)	30(500ms)

*1:3frames, N=12frames, *2:Not Complete Picture

4-3. Special Reproduction (High Speed Search & Reverse Reproduction)

Special reproduction is easily utilized as the part "I" is provided frequently. The special reproduction is performed by repeated reproduction of the part "I" of "C" field. In this method, the data amount of the "I" part is controlled to be about twice the field average so the same picture is displayed only twice, which means the movement is smooth. Spatial resolution and the quantization noise are degraded from normal reproduction though, the levels of the MPEG1 is still guaranteed and are considered to be good enough for picture search.

As to the reverse reproduction, it can not be done with SM of the MPEG1 unless a large amount of additional memories is provided. However, the reverse reproduction would be mandatory for such as determining an editing point. In this coding method which uses the "I" part and "B" field, less resolution but smooth pictures are presented. As explained before, reversely reproduced pictures are not for enjoyment but used mostly for editing, therefore deterioration of frame by frame operation is not allowable but spatial degradation can be acceptable. Picture in this mode will be demonstrated at the KURIHAMA meeting.

4-4. Compatibility with the MPEG1

"I" part of the "C" field is made identical to and other parts are similar to the MPEG1 as well, therefore a forward compatibility can easily be utilized. On the other hand, a backward compatibility can be utilized by adding the data of "B" frame of the MPEG1. Decoding in the MPEG1 decoder is performed in the form of N = M without "P" picture.

The reason for making the common parts limited to intra-picture processing only, is that the room for improvements is small regarding the intra-pictures but is larger than that of the MPEG1 regarding the inter-picture processing.

In this coding method, the amount of data needed for the backward compatibility is only 0.3 to 0.5 Mbps or the like. On the other hand, when the backward compatibility is unnecessary, the loss would be more than 5 % which corresponds to the room for improvements in case of the intra-pictures.

4-5. Countermeasure against Packet Loss and Code Error

As explained in the paragraph for the syntax, the prediction is performed from a plurality of pictures. And the part "I" undergoes an inter-frame addition, thus when a

certain picture is unable to be decoded because of a code error, there exist, without fail, other pictures to compensate it. In addition, the prediction coefficient of the "C" field for recursive prediction is practically not 1.0 and thus the picture with error is not displayed for a long period.

Accordingly, this coding method is extremely tough against code errors, and considerable increase of the errors will not cause a breakup of pictures. Demonstration for this is now under consideration.

5. IMPLEMENTATION

The estimation of implementability is described at appendix 1.

5-1. Adder and Multiplier

Since this method is based on the MPEG1, the data processing amount can be estimated from the MPEG1. In the simulation, a total number of signals of Y and C, which is subject to coding, is 5.33 times that of the MPEG1 (2 : 1 : 0, field decimated).

In the decoder, the amount of multiplications is 330M operations/s, and the amount of additions is 1G operations/s in 8 bit.

5-2. Field Memory

Cost for signal processing LSIs goes down rapidly as its production volume increases, but memories are slow in the cost reduction. For this reason, the initial equipment cost of this method will be dependent more on such LSIs, however, as the production volume increases, the cost of the memory devices will be a more significant factor.

The memory capacity needed for this method is shown in Table 3 as a units of field in comparison with the case of the MPEG1 extended. As shown in the table, the memory needed for the decoder in this method is 3 fields which is smaller than the case of the MPEG1 extended.

For the encoder, required memory capacity differs dependent on conditions whether the delay need to be limited or not, which is larger than that of the decoder but the encoder cost is a relatively insignificant factor in many applications.

Although the picture quality may slightly be degraded, it is possible to simplify the encoder configuration by making the "B" prediction from 2 fields without changing the decoder design. In particular, a memory for display is unnecessary because of the complete field processing.

Table 3 Memory Performance in fields(Capacity)

Coding Method	M	Decoder	Encoder (Low Delay)	Encoder (Low Memory)
S-MPEG	3	3 (8Mbit)	6 (16Mbit)	5 (13Mbit)
S-MPEG	5	3 (8Mbit)	1 0 (26Mbit)	6 (16Mbit)
MPEG-EXT	3 *1	4 (11Mbit)	8 (21Mbit)	6 (16Mbit)

5-3. Table Memory

Required table memory for the intra-picture processing is approximately equivalent to that of the MPEG1.

5-4. Buffer Memory

Since the data amount of the "C" field is limited, a capacity of the data buffer memory can be relatively small. In this regard, about 512 kbits would be good enough under the limited conditions of M = 3 over 6 Mbps and maximum 10 Mbps.

6. SIMULATION

The condition of coding simulation was as below :

N = M = 3 ..... 9 Mbps

N = M = 5 ..... 4 Mbps

LPF (see 3-3. 4) was pre-setted as below.

Seaquens	C, Y(H)	Y(V)
Mobile & Calender	(4)	(4)
Flower Garden	(4)	(2)
others	(1)	(1)

Quantization Error Compensation (3-4.) was quitted.

Rate Control : Feedforward Control (GOP)

The results of simulation are shown at appendix 2.

7. CONCLUSION

If one coding method is employed commonly by various applications, such method will be proliferated explosively and it would be a great evolution in the world of image processing and a dream of development engineers engaged in the coding technology.

Our method,"S-MPEG" developed this time still leaves a room to be refined or improved, but we sincerely hope that this can be one of the solutions.

Appendix 1.

Estimation of Implementability

1. PREFACE

This document is for estimation of implementablity. Since, the S-MPEG coding method is based on the MPEG1, the processing amount can be estimated from the MPEG1.

2. Basic amount of processing

In the simulation, the total number of samples of Y and C (4:2:2) which is subject to coding, is 5.33times that of the MPEG1(2:1:0, field decimated).

Accordingly, the amount of samples to be basically processed is 20.3 M samples/sec (5.33 times that of MPEG1) for the inter-picture processing, and for the intra-picture processing, it is 22.8Msamples/sec (6 times) in case of M=3, and 21.7Msamples/sec (5.7 times) for M=5, respectively, because of the redundancy of "I"part. Hereinafter, it's estimated in case of M=3. In each module, the amount of additions and multiplications are normalized in 8bits.

3. Decoder

3-1. Demulitiplexer and VLC decoder

* Processing : similar to MPEG1, decoded by logical circuit
* Size and width of Memory
  SRAM(int) : 32bit ×32 = 1kbit
* Memory Bandwidth
  w/r speed : (same as data rate) = 10Mbps
  (peak= 30Mbps)
* Additions : 9bit ×6 ×10Mbps=67.5Mops

3-2. Intra-picture Decoder

In this section, the basic sample speed is 22.8Msample/sec. All processings are similar to MPEG1.

1) Zig-zag scanning

* Processing : 2 kinds of scanning
* Size and width of Memory
  - SRAM(int) : 9bit ×8 ×8 =576bit
  - ROM (int) : 6bit ×8 ×8 ×2 =768bit
* Memory Bandwidth
  - w/r speed : 9bit ×2(w/r)×sample speed =410Mbps
  - ROM speed : 6bit ×sample speed =137Mbps

2) De-quantization

* Processing : 2 kinds of mairix
* Size and width of Memory
  - ROM (int) : 8bit ×8 ×8 ×2 = 1kbit
* Memory Bandwidth
  - speed : 8bit ×sample speed =182Mbps
* Additions :12bit ×1 ×sample speed =34.2Mops
* Multiplications : 6bit×9bit ×1 ×sample speed =19.2Mops
  : 8bit×12bit ×1 ×sample speed =34.2Mops

3) IDCT

* Processing : 2 dimensional fast algorithm
* Size and width of Memory
  - SRAM(int) :16bit ×8 ×8 = 1kbit
  - ROM (int) :16bit ×8 ×8 ×2 = 2kbit
* Memory Bandwidth
  - SRAM w/r speed :16bit ×2(w/r)×sample speed =7294Mbps
  - ROM speed :16bit ×2 ×sample speed =729Mbps
* Additions :16bit ×8 ×sample speed =365Mops
* Multiplications : 9bit×16bit ×3 ×sample speed =154Mops

3-3. Adaptive inter-picture addition

In this section, the signals are processed convolutionally. then, a block to normal scanning converter is needed. However, the decoded signals and the motion compensated pictures are stored in external DRAM. Line delay devices are not needed, because external DRAM is used instead.

The basic pixel speed is 3.38Mpixels/sec. But, the peak value in C field is 10.1Mpps. Then, peak operation speed is 3 times that described below:

1) Matching estimator

*Processing : temporary subtract, spatialy subtract, absoluting, spatialy LPF, non-linear conversion

* Size and width of Memory

SRAM(int) : 4bit 4Lines×704 = 11kbit

* Memory Bandwidth

Write speed : 4bit ×pixel speed =13.5Mbps

Read Speed : 4bit ×4Lines×pixel speed =54.1Mbps

* Additions : 8bit ×10×2(YC) ×pixel speed =67.5Mops

: 4bit ×8 ×pixel speed =13.5Mops

* Multiplications : 4bit×4bit ×2 ×pixel speed = 1.7Mops

2) Variable Adder

* Processing : multipy k and(1-k) ,add

* Additions : 9bit ×1 ×2 ×pixel speed = 7.6Mops

* Multiplications : 8bit×4bit ×2 ×2 ×pixel speed = 6.8Mops

3) Interpolator

* Processing : H/V Cascaded 5tap symmetrical filter

* Additions : 8bit ×4 ×2 ×2 ×pixel speed =54.1Mops

4) LPF

* Processing : H/V Cascaded 7tap symmetrical variable filter

* Size and width of Memory

ROM(int) : 6bit ×4Coef ×16Type = 384bit

* Memory Bandwidth

Speed : 6bit×4Coef ×2 ×2 ×pixel speed/44 = 7.4kbps

* Additions : 9bit ×6 ×2 ×2 ×pixel speed =91.2Mops

* Multiplications : 8bit ×6bit×4 ×2 ×2 ×pixel speed =45.6Mops

3-4. Motion Compensation

In this section, the signals are processd by Macro-block block. Basic macro-block speed is 79200MBs/sec. D:Direction.

1) Pixel moving

* Processing : Memory address control

* Size and width of Memory

SRAM(int) : 8bit ×20×12 =1.9kbit

* Memory Bandwidth

Write speed	: 8bit	×2(YC) ×20×12×2D×MB speed		=608Mbps
Y Read Speed	: 8bit	×4taps ×16×12×2D×MB speed		=973Mbps
C Read Speed	: 8bit	×2taps ×16×10×2D×MB speed		=405Mbps
* Additions	:10bit		×4 ×MB speed	=0.4Mops

2) Sub-pixel filter

*Processing : H/V Cascaded 4tap variable filter for Y
: H/V Cascaded 2tap variable filter for C

* Size and width of Memory

SRAM(int)	: 8bit		×16×12	=1.5kbit
ROM (int)	: 6bit		×4Coef ×16Type	=384bit
Y write speed	: 8bit		16×12×2D×MB speed	=243Mbps
C write speed	: 8bit		16×10×2D×MB speed	=202Mbps
Y read speed	: 8bit	×4taps ×16×12×2D×MB speed		=973Mbps
C read speed	: 8bit	×2taps ×16×10×2D×MB speed		=405Mbps
ROM speed	: 6bit	×4Coef ×2(HV) ×2D×MB speed		=7.6Mbps
* Additions	: 9bit		×6 ×MB speed	=68.4Mops
* Multiplications	: 8bit×6bit		×8 ×MB speed	=60.9Mops
	: 8bit×2bit		×4 ×MB speed	=10.2Mops

3) MV data Memory

*Processing : Interpolation and store of MV data

* Size and width of Memory

SRAM(int)	: 16bit	×88MB×3D	=4.1kbit

* Memory Bandwidth

Write speed	: 16bit	×3 ×MB speed	=3.8Mbps
Read speed	: 16bit	×2 ×MB speed	=2.5Mbps
* Additions	: 8bit	×2 ×MB speed	=0.2Mops

3-5. Video output and Misc.

In this section, Basic sample speed is 20.3Msample/sec.

* Processing : Memory addressing control and buffering

* Size and width of Memory

SRAM(int)	: 8bit 64×2(YC)		= 1kbit

* Memory Bandwidth

R/W speed	: 8bit	×2(YC) ×sample speed		=162Mbps
* Additions	: 9bit	×4 ×2(YC) ×sample speed		=182.7Mops

3-6. External Memory(DRAM)

(----)=peak value in case of C field MB:Macro block, P:picture

1) Temporary Picture

Capacity	: 16bit	× 704× 16× 2.5Part	=440kbit
Write speed	: 16bit	× 704× 240× 2.5Part×20P	=135Mbps (405M)
Read speed	: 16bit	× 704× 240× 2.5Part×20P	=135Mbps (405M)

2) Decoded Picture

Capacity	: 16bit	× 704× 240×2D	=7.7Mbit
Write speed	: 16bit	× 704× 240×60P	=162M
Read speed	: 16bit	×20×12×1320MB×3D×60P	=912Mbps

3)Input Buffer

Capacity	:	=512kbit
Write speed	:	=10Mbps
Read speed	:	=10Mbps(30Mbps)

3-7. Total of Decoder

1) Implementability for LSI

Table1 Decoder Implementability (M=3)

Section	Module	Multi.*1 (Mops)	add *2 (Mops)	SRAM (kbit)	ROM (kbit)	r/wspeed (Mbps)
VLC-Dec.		0	67.5	1.0	0	10
Intra-Decoder	Zig-zag	0	0	0.57	0.75	547
	Dequant	53.4	34.9	0	1.0	182
	IDCT	153.9	364.8	1.0	2.0	1459
Adpaptive addition	Match Est.	1.7	81.0	11.0	0	68
	Vari. add	6.8	7.6	0	0	0
	Interpol.	0	54.1	0	0	0
	LPF	40.6	91.2	0	0.38	7
Motion comp.	Pixel-move	0	51.0	1.9	0	1986
	Filter	71.1	68.4	1.5	0.38	1831
	MV memory	0	0.2	4.1	0	6
Video out		0	182.7	1.0	0	162
Total		327.5	1003.4	19.07	4.51	6258

*1: normalized 8bit×8bit *2: normalized 8bit+8bit

2) External Memory (DRAM)

Capacity : 8.5Mbit

write Speed : 307Mbps(Ave.) 577Mbps(Peak)

Read Speed : 1057Mbps(Ave.) 1327Mbps(Peak)

4. Encoder

We think the complexity of the encoder is very dependent on motion estimation and number of field momories. Then, it is not so important to estimate the amount of processing without ME.

4-1. Mulitiplexer and VLC Encoder

VLC encoder is similar to MPEG1.

4-2. Intra-picture Encoder/Decoder

In this section, complexity of intra-encoder is same as intra-decoder. But, encoder has local decoder in case of C field. Then , the amount of intra encoder and decoder is approximately 2 times that of the decoder.

4-3. Adaptive inter-picture addition

This section is completely the same as in case of decoder because same pictures are needed in encoder.

4-4. Motion Compensation

In this section, the amount of processing is approximately 1.5 times of the decoder because the prediction mode estimation is needed in case of encoder.

4-5. Motion Estimator

The amount of process in motion estimation is very depend on its architecture. For example, we use a 2 stage economical one. But in case of S-MPEG, the motion vectors are decimated in transmission. Then, the amount of processing is approximately 1/4 of usual case.

4-6. External Memory(DRAM)

In case of encoder, the amount of external memory is changed by the coding factor M and F. The number of field memories is discussed in the main document. In case of 4:2:2 picture, 2.7Mbit DRAM is needed for each fields.

5. Conclusion

In this estimation, we observe the fact that the half of processings are IDCT. About the internal memories, the line memories in matching estimator are most influential.

The amount of processing in S-MPEG decoder is 15% to 20% increased over MPEG-extension.

Appendix 2.

Simulation Results

num : Field number
ALL : Amount of data in each field
TOTAL : Amount of data in each part
PIC : data of intra-picture processing
MV : data of Motion Vector included INPV and INPH
ETC : data of inter-picture processing without MV

>> CUMULATIVE BIT COUNT ONCE EVERY 0.4 SECOND

Flower Garden (4Mbps)

num	GOF_TOTAL
0	1616248
1	1557744
2	1563368
3	1581440
4	1386032
5	1578784
6	1607536
7	1621000
8	1654488
9	1408408
10	1611720
11	1560464
12	736128
TOTAL	19483360

Mobile & Calendar (4Mbps)

num	GOF_TOTAL
0	1694584
1	1525016
2	1539328
3	1612288
4	1376920
5	1597296
6	1676576
7	1590392
8	1630176
9	1529552
10	1653224
11	1548632
12	746288
TOTAL	19720272

Table Tennis (4Mbps)

num	GOF_TOTAL
0	1652616
1	1663040
2	1641272
3	1541608
4	1416840
5	1616464
6	1652936
7	1558424
8	1804328
9	1544352
10	1609144
11	1573360
12	705600
TOTAL	19979984

Flower Garden (9Mbps)

num	GOF_TOTAL
0	3583912
1	3632240
2	3469152
3	3454024
4	3543416
5	3651552
6	3589560
7	3507744
8	3713072
9	3456640
10	3617816
11	3470216
12	1870408
TOTAL	44559752

Mobile & Calendar (9Mbps)

num	GOF_TOTAL
0	3710208
1	3433752
2	3557336
3	3528784
4	3638560
5	3693992
6	3452264
7	3460864
8	3597040
9	3581072
10	3542192
11	3467936
12	1969328
TOTAL	44633328

Popple (9Mbps)

num	GOF_TOTAL
0	3724088
1	3494560
2	3537600
3	3563768
4	3593576
5	3627704
6	3535656
7	3511728
8	3605536
9	3621064
10	3648672
11	3613936
12	1753688
TOTAL	44831576

Table Tennis (9Mbps)

num	GOF_TOTAL
0	3591744
1	3545160
2	3606808
3	3571912
4	3646464
5	3488760
6	3558136
7	3385008
8	3732576
9	3551672
10	3540048
11	3500712
12	1891224
TOTAL	44610224

>> CODED BIT STREAM FILE IN A FORMAT "ls -l" OUTPUT

```
gls426|aya >> ls -l
total 29112
-rw-r--r--  1 aya       2435420 Oct 16 18:48 FG_4M.bitstream
-rw-r--r--  1 aya       5569969 Oct 16 21:10 FG_9M.bitstream
-rw-r--r--  1 aya       2465034 Oct 16 18:52 MC_4M.bitstream
-rw-r--r--  1 aya       5579166 Oct 16 21:17 MC_9M.bitstream
-rw-r--r--  1 aya       5603947 Oct 16 21:22 PP_9M.bitstream
-rw-r--r--  1 aya       2497498 Oct 16 18:59 TT_4M.bitstream
-rw-r--r--  1 aya       5576278 Oct 16 21:30 TT_9M.bitstream
```

>> NUMBER OF BITS AND SNR FOR EACH FIELD
>> CODING SEQUENCE ... Flower Garden
>> TARGET ... 4.0000 Mbps

4MFG-0

num	ALL	(P.B PART) TOTAL	PIC_Y	PIC_C	(I PART) TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
0	238160	117840	72051	22670	120320	98248	15702	1384	28105	29.07	32.39	33.51
1	24128	24128	6362	1189	0	0	0	7412	9765	26.52	31.67	33.20
2	23520	23520	6411	1363	0	0	0	6596	9150	26.95	31.84	33.09
3	22656	22656	5759	1397	0	0	0	6683	8817	27.30	31.83	33.05
4	28136	28136	5798	854	0	0	0	11836	9608	26.41	31.62	33.10
5	225248	97088	62287	12221	128160	104552	17355	5679	23154	29.06	32.49	33.54
6	31192	31192	7519	1052	0	0	0	12578	10043	26.22	31.80	33.22
7	23072	23072	6006	1385	0	0	0	6867	8814	27.37	31.93	33.24
8	23440	23440	5887	1484	0	0	0	6890	9179	26.85	31.67	33.15
9	30216	30216	6968	1350	0	0	0	12168	9730	26.48	31.87	33.09
10	212376	91456	52635	10434	120920	98683	16046	12408	22170	28.74	32.24	33.35
11	30696	30696	7463	1374	0	0	0	12041	9818	26.19	31.38	32.84
12	24848	24848	7253	1016	0	0	0	6799	9780	26.39	31.56	32.94
13	22304	22304	5908	1424	0	0	0	6054	8918	26.85	31.36	32.67
14	29568	29568	7280	625	0	0	0	11515	10148	26.04	31.52	32.88
15	218872	93904	54649	11342	124968	101837	16856	12054	22134	28.50	32.04	32.99
16	28888	28888	6683	1043	0	0	0	11699	9463	26.48	31.46	32.76
17	22768	22768	6106	1395	0	0	0	6503	8764	27.10	31.45	32.64
18	22456	22456	5422	1560	0	0	0	6519	8955	27.20	31.32	32.67
19	28624	28624	6661	1157	0	0	0	11614	9186	26.53	31.54	32.71
20	222424	98048	58769	11637	124376	101645	16478	11531	22364	28.51	31.96	32.97
21	33360	33360	9804	1389	0	0	0	11315	10852	25.08	31.27	32.60
22	23904	23904	6618	995	0	0	0	6389	9902	26.15	31.29	32.62
23	24792	24792	7034	1255	0	0	0	6374	10129	25.70	31.23	32.65
24	31360	31360	8397	815	0	0	0	11276	10872	25.07	31.33	32.67
25	199824	76272	40556	9279	123552	101034	16267	11054	21634	28.40	31.88	32.94
26	28728	28728	6595	1038	0	0	0	11542	9553	26.45	31.46	32.63
27	24784	24784	7216	1029	0	0	0	6471	10068	25.91	31.30	32.63
28	21848	21848	5263	1469	0	0	0	6299	8817	27.27	31.27	32.49
29	30368	30368	8148	1115	0	0	0	11203	9902	25.75	31.38	32.65
30	218448	95264	56474	11314	123184	100635	16294	11302	22429	28.31	31.93	32.89
31	33296	33296	10072	1346	0	0	0	11005	10873	25.04	31.31	32.54
32	23384	23384	6563	1003	0	0	0	6129	9689	26.56	31.40	32.67
33	25368	25368	7521	1388	0	0	0	6079	10380	25.31	31.13	32.53
34	30056	30056	7352	809	0	0	0	11292	10603	25.59	31.25	32.69
35	208984	85784	48635	10613	123200	100689	16275	10841	21931	28.28	31.94	32.93
36	31464	31464	7990	903	0	0	0	11714	10857	24.89	31.31	32.59
37	26088	26088	8109	994	0	0	0	6355	10630	25.54	31.24	32.53
38	20632	20632	5006	917	0	0	0	6146	8563	26.75	31.34	32.54
39	32528	32528	8763	1342	0	0	0	11574	10849	25.39	31.17	32.34
40	202856	83120	45999	10294	119736	98198	15289	11178	21898	28.15	31.85	32.69
41	28680	28680	7004	1088	0	0	0	10864	9724	25.60	31.20	32.28
42	20096	20096	5123	997	0	0	0	5713	8263	26.93	31.43	32.45
43	20352	20352	4741	1309	0	0	0	5765	8537	26.62	31.00	32.17
44	26408	26408	5861	775	0	0	0	10511	9261	26.29	31.34	32.39
45	222656	97744	60387	10826	124912	102331	16282	10375	22455	28.06	31.88	32.67
46	27256	27256	6098	865	0	0	0	10373	9920	25.69	31.31	32.50
47	22280	22280	6209	971	0	0	0	5793	9307	26.85	31.36	32.45
48	25288	25288	7322	1467	0	0	0	6074	10425	25.73	31.04	32.31
49	30352	30352	8297	1538	0	0	0	10538	9979	25.80	31.42	32.43
50	211976	89048	51858	11355	122928	100675	16078	10337	21873	28.27	31.96	32.71
51	30264	30264	8225	1283	0	0	0	10563	10189	25.42	31.22	32.34
52	20424	20424	5207	894	0	0	0	5789	8534	26.74	31.29	32.14
53	21216	21216	5144	1277	0	0	0	5907	8888	26.81	31.22	32.44
54	28936	28936	7041	770	0	0	0	11007	10118	25.78	31.53	32.64
55	209736	87504	49735	11513	122232	99707	16248	10564	21969	28.47	32.14	32.95
56	27912	27912	5994	896	0	0	0	11236	9786	26.25	31.51	32.76
57	22536	22536	6020	861	0	0	0	6188	9467	26.57	31.45	32.57
58	20320	20320	4387	1195	0	0	0	6171	8567	27.16	31.32	32.42

4MFG-1

num	ALL	(P.B PART) TOTAL	PIC_Y	PIC_C	(I PART) TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
59	30464	30464	7929	1206	0	0	0	11239	10050	26.02	31.44	32.54
60	220048	97832	58025	12542	122216	99518	16042	11037	22484	28.38	32.08	32.87
61	28192	28192	6680	1141	0	0	0	11084	9287	26.47	31.56	32.60
62	19600	19600	4424	886	0	0	0	6041	8249	26.96	31.52	32.65
63	20544	20544	4545	1211	0	0	0	5973	8815	26.95	31.39	32.47
64	25312	25312	4776	668	0	0	0	10941	8927	26.37	31.63	32.67
65	220000	97592	57954	12307	122408	100138	16039	11216	22346	28.27	31.99	32.82
66	30560	30560	7828	735	0	0	0	11176	10821	25.31	31.42	32.66
67	24704	24704	7077	999	0	0	0	6381	10247	25.72	31.40	32.52
68	20864	20864	4866	813	0	0	0	6292	8893	26.59	31.63	32.69
69	31152	31152	8513	1199	0	0	0	11062	10378	25.36	31.37	32.66
70	214648	92504	53521	13006	122144	99626	16157	11675	22663	28.68	32.10	32.88
71	28320	28320	6420	1329	0	0	0	11132	9439	26.27	31.44	32.52
72	18664	18664	4058	850	0	0	0	5730	8026	27.31	31.56	32.47
73	19808	19808	3982	1137	0	0	0	5959	8730	27.05	31.29	32.48
74	24832	24832	4705	674	0	0	0	10533	8920	26.45	31.62	32.60
75	232408	106696	67057	12675	125712	102550	16869	10710	22547	28.46	32.05	32.84
76	28336	28336	6708	758	0	0	0	10527	10343	25.45	31.50	32.52
77	19304	19304	4186	1019	0	0	0	5980	8119	27.11	31.36	32.46
78	24096	24096	6523	1113	0	0	0	6285	10175	25.66	31.19	32.39
79	30064	30064	7680	1011	0	0	0	11197	10176	25.60	31.29	32.53
80	214816	92008	53757	11976	122808	100408	16149	10444	22082	28.55	32.06	32.87
81	29184	29184	7266	1297	0	0	0	10608	10013	25.45	31.26	32.45
82	20768	20768	4958	768	0	0	0	5709	9333	26.78	31.41	32.51
83	19480	19480	3837	1143	0	0	0	5798	8702	26.89	31.18	32.31
84	30080	30080	7373	833	0	0	0	11033	10841	25.60	31.37	32.42
85	226336	104424	63967	13485	121912	99777	15844	10697	22566	28.34	31.80	32.62
86	31184	31184	8369	805	0	0	0	11038	10972	24.74	31.16	32.41
87	22568	22568	5642	792	0	0	0	6134	10000	26.32	31.11	32.40
88	21960	21960	5183	938	0	0	0	6178	9661	25.83	31.15	32.33
89	33648	33648	9915	1554	0	0	0	10743	11436	24.87	31.00	32.27
90	215696	86424	48493	11391	129272	106212	16868	10847	21885	28.31	31.71	32.45
91	28120	28120	6720	1241	0	0	0	10111	10048	25.35	30.90	32.06
92	19776	19776	4822	753	0	0	0	5546	8655	26.90	31.20	32.19
93	18768	18768	3655	1226	0	0	0	5381	8506	26.65	30.98	32.07
94	28888	28888	6943	982	0	0	0	10712	10251	25.84	31.17	32.27
95	222656	105952	65851	14211	116704	95287	15265	9980	22062	28.25	31.75	32.45
96	30968	30968	8380	882	0	0	0	10503	11203	24.84	31.09	32.29
97	22120	22120	5401	895	0	0	0	6034	9790	26.30	30.95	32.19
98	23560	23560	6069	1164	0	0	0	6182	10145	25.45	30.96	32.23
99	34256	34256	10318	1476	0	0	0	10708	11754	24.51	30.88	32.21
100	207312	85416	47286	12235	121896	99560	16191	10725	21315	28.35	31.68	32.52
101	31056	31056	8588	1463	0	0	0	10166	10839	24.54	30.85	32.12
102	18560	18560	4087	715	0	0	0	5093	8665	26.25	31.06	32.10
103	28784	28784	9854	1825	0	0	0	5848	11257	24.36	30.82	32.08
104	24064	24064	4408	806	0	0	0	9684	9166	26.60	31.07	32.32
105	228808	102448	63579	13771	126360	103044	17113	9627	21674	28.32	31.69	32.61
106	29088	29088	7118	838	0	0	0	10472	10660	24.58	31.02	32.36
107	26136	26136	8162	1100	0	0	0	5980	10894	25.29	31.07	32.35
108	18064	18064	3631	818	0	0	0	5531	8084	27.08	31.31	32.41
109	33952	33952	10459	1435	0	0	0	10146	11612	24.34	30.91	32.33
110	220440	98856	58203	15152	121584	99509	15905	10280	21391	28.67	31.90	32.58
111	32392	32392	9441	1654	0	0	0	9920	11377	24.32	30.88	32.15
112	17864	17864	3776	881	0	0	0	4826	8381	26.86	31.29	32.36
113	22264	22264	5610	1143	0	0	0	5115	10396	25.44	30.86	32.24
114	29336	29336	7707	761	0	0	0	9802	11066	24.89	31.14	32.40
115	209312	90160	52972	12586	119152	97072	15854	9630	21198	28.27	31.63	32.53
116	29280	29280	7605	645	0	0	0	9964	11066	25.04	31.09	32.24
117	18080	18080	3565	857	0	0	0	5384	8274	27.16	31.15	32.22
118	20032	20032	4183	1017	0	0	0	5557	9275	26.29	31.04	32.28
119	30304	30304	7765	1149	0	0	0	10707	10683	25.65	31.15	32.38
120	232584	105496	65544	14457	127088	103916	16956	10140	21571	28.48	31.87	32.67
121	33880	33880	10502	1586	0	0	0	10348	11444	24.46	30.97	32.23

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num	ALL	(P.B PART) TOTAL	PIC_Y	PIC_C	(I PART) TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
122	19936	19936	4826	792	0	0	0	4976	9342	26.58	31.17	32.28
123	22696	22696	6002	1101	0	0	0	5270	10323	25.30	30.96	32.14
124	30896	30896	8764	416	0	0	0	10265	11451	24.61	31.05	32.28
125	217888	93504	54689	13768	124384	102128	16119	10001	21183	28.22	31.57	32.42
126	31312	31312	8253	867	0	0	0	10853	11339	24.63	30.94	32.21
127	19272	19272	4154	725	0	0	0	5639	8754	26.64	31.11	32.07
128	20808	20808	4537	760	0	0	0	5707	9804	25.83	30.96	32.17
129	31120	31120	8743	968	0	0	0	10363	11046	25.32	31.11	32.23
130	224808	101944	62215	13850	122864	100686	16060	10189	21808	28.26	31.61	32.39
131	24360	24360	4317	1155	0	0	0	9700	9188	26.51	30.96	32.01
132	17192	17192	3457	682	0	0	0	4975	8078	27.01	31.04	32.02
133	17824	17824	3326	1071	0	0	0	5151	8276	27.12	30.94	31.95
134	24392	24392	4864	445	0	0	0	9420	9663	26.15	31.07	32.08
135	231680	111800	72049	14524	119880	98244	15401	9732	21730	28.13	31.63	32.30
136	28232	28232	7500	789	0	0	0	9405	10558	25.17	31.05	32.13
137	17312	17312	3355	878	0	0	0	5203	7876	27.11	31.10	32.06
138	21528	21528	4936	1045	0	0	0	5370	10173	25.67	30.90	32.01
139	29512	29512	7853	1080	0	0	0	9683	10896	25.42	31.03	32.08
140	220528	98512	59433	13583	122016	100132	15719	10131	21530	28.20	31.61	32.39
141	25800	25800	4956	1368	0	0	0	9613	9863	26.02	30.74	31.98
142	18088	18088	3319	851	0	0	0	5138	8780	26.62	30.93	32.02
143	17136	17136	2972	1118	0	0	0	4824	8222	26.74	30.78	31.90
144	25192	25192	5145	645	0	0	0	9157	10245	25.80	30.87	31.95
145	234032	105784	68242	12804	128248	105166	16644	9591	21285	27.91	31.51	32.24
146	28616	28616	7505	708	0	0	0	9422	10981	24.94	31.00	32.10
147	17040	17040	2993	689	0	0	0	5150	8208	26.80	31.06	32.15
148	24136	24136	6735	965	0	0	0	5484	10952	25.07	30.76	31.98
149	30064	30064	8241	827	0	0	0	9913	11083	25.36	30.94	32.21
150	220088	101048	62593	13069	119040	97596	15344	9942	21544	28.05	31.68	32.38
151	25416	25416	5211	1305	0	0	0	9238	9662	26.07	31.02	32.10
152	18816	18816	4031	941	0	0	0	5055	8789	26.83	31.01	32.04
153	17800	17800	3159	1299	0	0	0	4985	8356	26.95	30.85	31.94
154	24400	24400	4808	753	0	0	0	9395	9444	26.34	31.08	32.15
155	244336	118920	77556	15869	125416	102812	16453	9817	21829	28.41	31.78	32.51
156	28216	28216	6833	918	0	0	0	9933	10532	25.51	31.00	32.07
157	21664	21664	5515	882	0	0	0	5557	9710	26.51	31.06	32.05
158	19768	19768	4236	1403	0	0	0	5437	8692	26.77	30.87	31.91
159	29016	29016	7779	1110	0	0	0	9726	10401	25.61	31.01	32.10
160	232368	102200	63186	13184	130168	106459	17561	9953	21425	28.24	31.64	32.43
161	26232	26232	5978	1353	0	0	0	9631	9270	26.41	31.01	32.05
162	17952	17952	3698	960	0	0	0	5276	8018	27.11	31.14	32.10
163	18764	18764	3824	1456	0	0	0	5163	8341	26.99	30.84	31.83
164	23928	23928	4723	652	0	0	0	9651	8902	26.17	31.17	32.14
165	228976	115624	73807	15841	113352	97555	14655	10338	23780	28.12	31.52	32.24
166	29560	29560	7722	860	0	0	0	10217	10761	25.19	30.93	32.06
167	21136	21136	5384	866	0	0	0	5180	9106	26.10	30.93	31.88
168	19152	19152	3610	1362	0	0	0	5507	8673	26.73	30.72	31.93
169	31744	31744	9030	1207	0	0	0	10418	11089	25.07	30.89	32.01
170	219568	94528	55855	13057	125040	102161	16668	10653	21174	28.14	31.51	32.25
171	31176	31176	8686	1585	0	0	0	10038	10867	25.26	30.78	31.98
172	19512	19512	4600	918	0	0	0	5132	8862	26.57	30.89	31.97
173	19048	19048	4084	1477	0	0	0	4802	8665	26.85	30.67	31.81
174	28136	28136	7033	809	0	0	0	9614	10680	25.47	30.97	32.01
175	239384	114312	72422	16236	125072	102460	16450	10199	21617	28.24	31.60	32.22
176	26544	26544	5996	920	0	0	0	9658	9970	26.01	30.95	31.98
177	18744	18744	4206	1057	0	0	0	5220	8261	27.04	30.86	31.92
178	19448	19448	4275	1474	0	0	0	5056	8611	26.95	30.78	31.77
179	27472	27472	7180	1247	0	0	0	9270	9775	25.99	30.96	31.88
180	231776	107880	67688	14053	123896	101162	16537	10715	21621	27.90	31.35	32.08
181	31056	31056	9026	1643	0	0	0	9442	10945	25.31	30.76	31.86
182	20072	20072	5178	900	0	0	0	5016	8978	26.29	30.75	31.81
183	18920	18920	4105	1412	0	0	0	4844	8559	26.98	30.74	31.72
184	29164	29164	8196	857	0	0	0	[illegible]	11077	[illegible]	[illegible]	[illegible]

4MFG-3

num	ALL	(P.B PART) TOTAL	PIC_Y	PIC_C	(I PART) TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
185	232920	111456	70478	16026	121464	98978	16306	9343	21789	28.10	31.39	32.09
186	26416	26416	6239	953	0	0	0	8569	10255	25.41	30.76	31.78
187	19184	19184	4396	902	0	0	0	5224	8662	26.84	30.93	31.86
188	20824	20824	4757	1640	0	0	0	5170	9257	26.35	30.61	31.69
189	30504	30504	8433	1366	0	0	0	10034	10671	25.49	30.80	31.93
190	225024	102504	63479	13399	122520	100052	16313	10127	21654	27.82	31.33	32.11
191	34912	34912	11533	2012	0	0	0	10080	11287	24.32	30.58	31.83
192	19640	19640	4874	1040	0	0	0	4801	8925	26.40	30.81	31.64
193	27368	27368	9036	1460	0	0	0	5270	11602	24.91	30.79	32.02
194	32864	32864	9453	1237	0	0	0	10058	12116	24.61	30.81	32.03
195	231400	106352	64556	16144	125048	101911	16933	10056	21800	28.32	31.64	32.41
196	34536	34536	10480	1044	0	0	0	10807	12205	24.16	30.81	31.59
197	25760	25760	7807	1105	0	0	0	5627	11221	25.48	30.55	31.93
198	23200	23200	6126	1278	0	0	0	5461	10335	25.38	30.68	31.72
199	36560	36560	12072	1443	0	0	0	10669	12376	24.02	30.67	31.82
200	219440	99408	57872	14734	120032	97992	15939	10894	22009	27.89	31.28	32.11
201	37928	37928	13313	1806	0	0	0	10360	12449	23.56	30.59	31.78
202	24112	24112	7276	921	0	0	0	4998	10911	25.54	30.86	31.79
203	25872	25872	8673	1275	0	0	0	4743	11181	24.92	30.74	31.83
204	33352	33352	10443	889	0	0	0	9631	12389	23.97	30.82	31.84
205	225072	100456	58754	15806	121616	102017	16415	10301	21779	28.11	31.35	32.07
206	33648	33648	10216	902	0	0	0	10322	12208	23.71	30.56	31.71
207	23416	23416	6739	891	0	0	0	5305	10481	25.63	30.66	31.59
208	25872	25872	8418	1052	0	0	0	5287	11115	24.40	30.47	31.50
209	32488	32488	10427	951	0	0	0	9142	11968	24.14	30.47	31.56
210	206328	85632	48606	11620	120696	98816	15756	10144	21386	27.56	30.99	31.70
211	34160	34160	11823	1509	0	0	0	9145	11683	23.52	30.33	31.52
212	26312	26312	9186	872	0	0	0	4774	11480	24.62	30.44	31.49
213	21272	21272	5984	890	0	0	0	4352	10046	25.37	30.38	31.46
214	33824	33824	11133	939	0	0	0	9443	12309	23.47	30.33	31.53
215	220064	94800	57239	13639	125264	102789	16369	8765	21253	27.87	31.08	31.82
216	32928	32928	10335	822	0	0	0	9807	11964	23.67	30.50	31.60
217	22448	22448	6253	707	0	0	0	5149	10309	25.39	30.68	31.64
218	24840	24840	7280	1152	0	0	0	5384	11024	24.90	30.47	31.47
219	33552	33552	11074	1071	0	0	0	9495	11912	24.01	30.43	31.56
220	211192	89576	52139	12262	121616	99515	15908	9629	21499	27.77	31.05	31.86
221	35184	35184	12260	1755	0	0	0	9160	12009	23.68	30.31	31.55
222	20712	20712	5458	704	0	0	0	4421	10129	25.78	30.42	31.63
223	26704	26704	9091	1680	0	0	0	4626	11307	24.28	30.27	31.42
224	30576	30576	9353	699	0	0	0	8887	11637	24.44	30.43	31.60
225	228352	100848	62708	13858	127504	104805	16562	8984	21435	27.75	31.07	31.79
226	30272	30272	8575	1065	0	0	0	9234	11398	24.05	30.36	31.50
227	26320	26320	8987	796	0	0	0	5316	11221	24.85	30.54	31.57
228	21264	21264	5338	874	0	0	0	5140	9912	25.14	30.38	31.38
229	34048	34048	11066	1221	0	0	0	9345	12416	24.13	30.42	31.62
230	208088	92840	55798	12171	115248	94529	14587	9469	21534	27.56	30.94	31.70
231	31872	31872	10343	1434	0	0	0	8569	11526	23.79	30.27	31.45
232	22768	22768	6861	604	0	0	0	4419	10884	25.50	30.44	31.53
233	18952	18952	4400	977	0	0	0	4197	9378	25.53	30.24	31.40
234	29024	29024	8543	833	0	0	0	8262	11386	24.58	30.36	31.59
235	232032	108008	69121	14453	124024	101839	16000	8664	21955	27.71	31.01	31.74
236	25488	25488	5523	1124	0	0	0	8564	10277	25.36	30.28	31.52
237	17416	17416	3444	770	0	0	0	4814	8388	26.78	30.53	31.55
238	17632	17632	3415	1101	0	0	0	4610	8446	26.64	30.29	31.46
239	26744	26744	6578	993	0	0	0	8990	10183	25.81	30.44	31.68
240	232368	103200	67050	11389	129168	106272	16797	9201	21659	27.53	31.06	31.83
241	32456	32456	11376	1727	0	0	0	8340	11213	24.59	30.50	31.69
242	17688	17688	3817	711	0	0	0	4351	8809	26.56	30.66	31.64
243	26048	26048	8197	1834	0	0	0	4851	11166	24.82	30.43	31.66
244	29496	29496	8420	750	0	0	0	4817	11479	24.83	30.65	31.73
245	231088	106400	66804	15388	124688	102510	16135	8922	21329	27.99	31.37	32.09
246	28352	28352	6855	995	0	0	0	9563	10939	24.77	30.53	31.77

num	ALL	(P.B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MY	ETC	SN(y)	SN(b)	4MSG-4 SN(r)
248	17808	17808	3178	1318	0	0	0	4712	8600	26.44	30.48	31.63
249	31240	31240	10115	1060	0	0	0	8510	11495	24.69	30.68	31.76
250	224400	102992	64505	12941	121408	99317	15930	9898	21809	27.61	31.13	31.85
251	32184	32184	10188	2019	0	0	0	8752	11225	24.27	30.37	31.57
252	15552	15552	2691	800	0	0	0	4142	7919	26.65	30.51	31.58
253	26072	26072	8247	1515	0	0	0	4803	11507	24.45	30.19	31.37
254	26184	26184	6527	785	0	0	0	8321	10551	25.33	30.43	31.58
255	230864	131888	72525	15114	118976	97668	15095	8758	21704	27.66	31.08	31.82
256	26520	26520	6207	942	0	0	0	8663	10708	24.99	30.49	31.63
257	22920	22920	6229	851	0	0	0	5129	10711	25.64	30.51	31.58
258	17808	17808	3386	1178	0	0	0	4810	8434	26.59	30.36	31.45
259	28400	28400	8144	887	0	0	0	8213	11156	24.97	30.40	31.53
260	232384	103832	67065	12904	128552	105864	16541	8858	21152	27.70	31.15	31.81
261	26280	26280	6462	1194	0	0	0	7966	10658	25.01	30.24	31.35
262	16472	16472	3212	849	0	0	0	4146	8265	26.64	30.52	31.64
263	17576	17576	3373	1426	0	0	0	4059	8718	26.27	30.10	31.42
264	24952	24952	6272	708	0	0	0	7431	10541	25.53	30.43	31.47
265	229088	110520	72960	14372	118568	97218	15215	8204	21119	27.66	31.05	31.73
266	25840	25840	6533	783	0	0	0	7642	10882	25.28	30.63	31.70
267	17424	17424	3935	818	0	0	0	4150	8523	26.14	30.46	31.54
268	17968	17968	3800	1082	0	0	0	4260	8826	26.78	30.54	31.61
269	27840	27840	8451	1648	0	0	0	7317	10424	25.13	30.32	31.52
270	237808	111792	71698	17405	126016	103756	16083	7580	21366	28.53	31.64	32.06
271	23320	23320	5092	1021	0	0	0	7359	9848	25.68	30.40	31.49
272	15808	15808	2948	738	0	0	0	4164	7958	27.25	30.88	31.76
273	17000	17000	3024	1349	0	0	0	4306	8321	26.93	30.31	31.57
274	23112	23112	4052	718	0	0	0	7291	9051	26.13	30.84	31.70
275	227944	131112	73010	15123	116832	95761	14910	7635	21465	27.83	31.13	31.86
276	23352	23352	5414	893	0	0	0	7072	9973	25.57	30.59	31.62
277	15928	15928	3090	809	0	0	0	4035	7994	26.61	30.52	31.60
278	18944	18944	3957	1616	0	0	0	4268	9103	26.76	30.40	31.58
279	27048	27048	7953	1904	0	0	0	7183	10008	25.27	30.12	31.36
280	239384	111272	72035	16872	128112	105324	16604	7450	21099	28.56	31.67	32.06
281	24512	24512	6213	1341	0	0	0	7204	9754	26.04	30.35	31.54
282	17016	17016	3749	987	0	0	0	4169	8111	27.19	30.81	31.76
283	18528	18528	4047	1581	0	0	0	4309	8591	27.01	30.21	31.42
284	21304	23304	5739	816	0	0	0	7226	9523	26.26	30.98	31.78
285	225688	108432	71353	14723	117256	95995	15122	7354	21141	28.01	31.16	31.97
286	23040	23040	4983	1074	0	0	0	7223	9760	26.66	30.71	31.74
287	17616	17616	3846	1158	0	0	0	4509	8103	26.70	30.30	31.54
288	19032	19032	3874	1759	0	0	0	4384	9035	27.46	30.57	31.62
289	23224	23224	5184	1093	0	0	0	7633	9314	26.24	30.35	31.48
290	258008	133288	87437	20703	126720	103979	16691	8088	21110	28.78	31.68	32.02
291	30528	30528	9899	1558	0	0	0	7509	11562	25.17	30.36	31.34
292	21136	21136	5767	1037	0	0	0	4132	10200	26.17	30.79	31.73
293	18312	18312	3807	1201	0	0	0	3956	9348	26.87	30.53	31.51
294	31152	31152	10702	1102	0	0	0	7023	12325	24.41	30.44	31.37
295	241848	119832	77385	20192	122016	100121	15775	7420	20955	28.63	31.58	31.86
296	31776	31776	11298	1022	0	0	0	7253	12203	24.03	30.38	31.35
297	14152	14152	2221	857	0	0	0	2998	8076	27.73	30.68	31.51
298	31104	31104	12590	1309	0	0	0	4621	12578	23.74	30.24	31.33
299	15856	15856	404	2965	0	0	0	3477	9010	28.38	29.40	30.91

>> NUMBER OF BITS AND SNR FOR EACH FIELD
>> CODING SEQUENCE ... Mobile & Calendar
>> TARGET ... 4.0000 Mbps

4MSC-0

num	ALL	(P.B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MY	ETC	SN(y)	SN(b)	SN(r)
0	318640	191496	137592	30502	127144	93141	27705	1384	28316	26.18	31.71	32.21
1	28920	28920	10169	1308	0	0	0	5388	12055	23.44	31.31	31.89
2	23528	23528	6297	2200	0	0	0	4634	10397	24.63	30.90	31.42
3	22752	22752	6236	1780	0	0	0	4307	10429	24.70	31.05	31.60
4	26864	26864	7486	968	0	0	0	7693	10717	23.97	31.40	31.79
5	234936	134896	78885	15013	120040	87991	25807	3438	23742	26.66	31.84	32.40
6	28920	28920	8430	1477	0	0	0	7942	11071	25.97	31.27	31.65
7	23464	23464	6289	2098	0	0	0	4465	10612	24.99	30.87	31.31
8	22216	22216	6120	1577	0	0	0	4528	9991	24.97	31.06	31.50
9	28536	28536	8355	1440	0	0	0	7528	10813	24.24	31.36	31.69
10	217696	97232	61507	13083	120464	87927	26296	6506	22377	26.61	31.76	32.21
11	28512	28512	8517	1562	0	0	0	7667	10766	24.18	31.31	31.66
12	22656	22656	6176	1907	0	0	0	4264	10309	25.13	30.91	31.29
13	23368	23368	7243	1452	0	0	0	4381	10292	24.88	31.29	31.73
14	27728	27728	8396	1460	0	0	0	7229	10643	24.09	31.18	31.50
15	231416	105248	68959	13908	126168	92493	27412	6216	22428	26.95	31.92	32.43
16	27112	27112	8103	1168	0	0	0	7535	10306	24.40	31.30	31.65
17	24632	24632	7546	2010	0	0	0	4263	10813	25.14	30.74	31.15
18	21360	21360	6006	1636	0	0	0	4511	9207	25.36	31.34	31.70
19	23560	23560	6425	1029	0	0	0	6802	9304	25.11	31.50	31.84
20	222568	99432	63768	13447	123136	89964	26932	6296	22161	26.68	31.71	32.13
21	22752	22752	5845	877	0	0	0	6990	9040	25.52	31.68	32.08
22	23048	23048	6683	1933	0	0	0	4249	10183	25.35	30.68	30.87
23	19400	19400	5389	1095	0	0	0	4251	8665	25.75	31.69	31.89
24	21808	21808	5326	793	0	0	0	6729	8960	25.35	31.45	31.75
25	230400	105760	68735	14790	124640	90901	27559	6079	22336	27.14	31.90	32.27
26	19816	19816	4327	745	0	0	0	6658	8086	26.04	31.69	32.05
27	23064	23064	6139	2444	0	0	0	4267	10214	25.53	30.64	30.90
28	18128	18128	4673	1810	0	0	0	4295	8150	26.16	31.76	32.19
29	22392	22392	5131	1078	0	0	0	6866	9337	25.22	31.02	31.32
30	223136	99672	62598	15911	123464	90103	27250	5529	23753	27.20	31.80	32.27
31	21104	21104	5413	723	0	0	0	6518	8450	26.04	31.68	32.08
32	23336	23336	7052	1714	0	0	0	4162	10408	25.18	30.79	31.08
33	18344	18344	5183	861	0	0	0	4006	8234	26.33	31.61	32.08
34	22952	22952	6981	746	0	0	0	6201	9024	25.53	31.65	31.99
35	218760	88360	51355	16170	122400	89356	26839	5280	21760	27.34	31.68	32.22
36	23304	23304	7243	773	0	0	0	6258	9030	25.89	31.81	32.15
37	23840	23840	7796	1676	0	0	0	4115	10253	25.46	30.64	30.98
38	20432	20432	7027	741	0	0	0	4097	8567	26.39	31.92	32.27
39	23600	23600	7373	971	0	0	0	6236	9020	25.25	31.52	31.89
40	220328	99072	58304	19694	121256	88240	26743	5092	22255	27.85	32.01	32.39
41	23368	23368	7086	909	0	0	0	6380	8993	25.62	31.75	32.15
42	25120	25120	6805	1947	0	0	0	5984	10381	25.80	30.82	31.04
43	20272	20272	6850	907	0	0	0	4042	8473	26.04	31.80	32.21
44	22400	22400	6460	843	0	0	0	6093	8984	25.94	31.71	32.07
45	220952	97720	56351	19808	123232	89409	27540	4932	22812	27.79	31.84	32.35
46	21576	21576	6404	782	0	0	0	6141	8249	26.23	31.87	32.17
47	24584	24584	8540	2076	0	0	0	3965	10003	26.11	30.75	31.03
48	20280	20280	7382	999	0	0	0	3872	8027	26.56	31.89	32.26
49	20936	20936	5703	1123	0	0	0	5886	8224	26.44	31.64	32.01
50	230384	109112	67407	20419	121272	88191	26854	5267	22216	27.93	31.98	32.37
51	20520	20520	5774	928	0	0	0	5970	7848	26.82	31.78	32.05
52	24792	24792	8551	2343	0	0	0	4007	9891	26.29	30.84	31.06
53	18720	18720	6084	844	0	0	0	3903	7889	26.77	31.94	32.33
54	20448	20448	5534	1035	0	0	0	5945	7934	26.61	31.67	31.89
55	221632	97264	57060	19529	124368	90172	28043	5076	21752	28.09	32.01	32.53
56	20664	20664	5564	1062	0	0	0	6118	7870	26.95	31.83	32.11
57	22936	22936	7663	1752	0	0	0	3974	9647	26.68	30.89	31.23
58	19856	19856	[illegible]	[illegible]	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

num	ALL	(P.B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MY	ETC	SN(y)	SN(b)	4MSC-1 SN(r)
59	19784	19784	4756	1089	0	0	0	5962	7977	26.91	31.76	32.16
60	221240	97704	58659	18009	123536	89367	28125	5047	22239	28.10	32.23	32.56
61	24008	24008	6586	2151	0	0	0	6089	9182	26.88	31.34	31.66
62	23720	23720	9444	1329	0	0	0	4104	8843	26.18	31.65	31.86
63	21088	21088	7652	618	0	0	0	4179	8599	26.95	32.13	32.56
64	21432	21432	5745	1347	0	0	0	5969	8351	26.74	31.87	32.09
65	215224	89320	53779	14920	125904	91084	28562	5176	21703	28.13	32.23	32.72
66	23912	23912	6225	2249	0	0	0	5945	9483	26.90	31.37	31.57
67	21768	21768	7978	922	0	0	0	3961	8907	26.40	31.76	32.14
68	21832	21832	8690	584	0	0	0	3996	8562	26.83	32.44	32.76
69	23152	23152	6696	1469	0	0	0	6221	8766	26.55	31.84	32.19
70	235384	114656	72027	20979	120728	86948	27647	5107	22676	28.54	32.61	32.99
71	25616	25616	7318	2117	0	0	0	6132	10019	26.73	31.43	31.69
72	24280	24280	9480	1390	0	0	0	4101	9109	26.46	32.03	32.25
73	22256	22256	8560	798	0	0	0	3951	8947	26.53	32.33	32.73
74	26208	26208	9243	1450	0	0	0	6079	9436	26.54	32.15	32.38
75	229160	107288	67230	18492	121872	87867	27825	5205	22541	28.47	32.54	32.95
76	29272	29272	10515	1987	0	0	0	6331	10439	26.25	31.57	31.83
77	24792	24792	10136	1495	0	0	0	3940	9223	26.43	31.93	32.27
78	24336	24336	10097	1299	0	0	0	3975	8965	26.53	32.29	32.62
79	28136	28136	10380	1764	0	0	0	6194	9798	26.36	32.00	32.29
80	221608	100008	61109	17782	121600	88053	27326	5134	22201	28.74	32.63	33.02
81	27088	27088	9555	1737	0	0	0	6165	9630	26.56	31.79	32.05
82	28936	28936	11154	2902	0	0	0	4167	10713	26.67	31.39	31.62
83	22240	22240	8700	1063	0	0	0	4045	8432	26.66	32.28	32.64
84	26608	26608	9711	1620	0	0	0	6180	9097	26.46	32.03	32.26
85	230240	106496	67341	17529	123744	89117	28375	5378	22500	28.45	32.49	32.89
86	23104	23104	7193	1367	0	0	0	6038	8706	26.64	31.88	32.11
87	23408	23408	8696	1601	0	0	0	4010	9101	26.41	31.64	31.84
88	20936	20936	7596	1002	0	0	0	3991	8347	26.72	32.24	32.51
89	22392	22392	6409	1316	0	0	0	6035	8632	26.71	31.89	32.09
90	240264	114864	74176	19321	125400	89979	29224	5166	22398	28.52	32.50	32.91
91	23736	23736	6922	1057	0	0	0	6333	9424	26.62	31.53	31.82
92	23688	23688	8411	1742	0	0	0	3959	9536	26.25	31.53	31.73
93	20488	20488	7438	679	0	0	0	4097	8274	26.62	32.13	32.49
94	23688	23688	7396	1074	0	0	0	6264	8954	26.44	31.97	32.14
95	225424	101040	63783	15915	124384	89450	28675	5624	21973	28.14	32.31	32.74
96	23432	23432	6724	1223	0	0	0	6320	9165	26.40	31.67	31.88
97	22400	22400	7466	1568	0	0	0	4083	9283	26.24	31.36	31.52
98	19936	19936	6690	545	0	0	0	4182	8519	26.58	32.11	32.37
99	21008	21008	5304	912	0	0	0	6388	8404	26.44	31.75	31.97
100	222544	96392	59456	15905	126152	90339	29572	5473	21793	28.28	32.33	32.68
101	21608	21608	5410	958	0	0	0	6433	8807	26.29	31.80	32.07
102	23128	23128	7121	1754	0	0	0	4214	10039	26.54	31.18	31.31
103	20288	20288	6932	819	0	0	0	4135	8402	26.73	31.89	32.13
104	22904	22904	6814	951	0	0	0	6563	8576	26.40	31.81	31.99
105	231224	112216	70874	19167	119008	84856	27875	5820	22232	28.08	32.17	32.53
106	24456	24456	7259	1300	0	0	0	6798	9099	26.46	31.56	31.73
107	23296	23296	8066	1547	0	0	0	4293	9398	26.27	31.31	31.49
108	20648	20648	7345	856	0	0	0	4216	8221	26.80	32.08	32.23
109	23904	23904	7265	1016	0	0	0	6620	8953	25.82	31.80	31.99
110	240184	119112	77158	20124	121072	86378	28429	5544	22551	28.07	32.28	32.62
111	23536	23536	5958	1460	0	0	0	6641	9477	26.06	31.24	31.40
112	22720	22720	7491	1481	0	0	0	4186	9562	25.67	31.41	31.59
113	20464	20464	6901	945	0	0	0	4360	8258	26.26	31.88	32.06
114	24392	24392	7421	841	0	0	0	6558	9572	25.23	31.67	31.77
115	235024	112048	71721	18601	122976	88161	28605	5619	22317	27.79	32.07	32.33
116	24920	24920	6616	1369	0	0	0	6728	10007	25.41	31.05	31.16
117	21448	21448	6918	1031	0	0	0	4162	9331	25.31	31.35	31.46
118	19600	19600	6356	744	0	0	0	4133	8377	26.02	31.69	31.88
119	23856	23856	6675	1039	0	0	0	6673	9469	25.33	31.50	31.67
120	225648	100024	63033	16737	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

num	ALL	(P.B PART) TOTAL	P.B PART PIC_Y	P.B PART PIC_C	(I PART) TOTAL	I PART PIC_Y	I PART PIC_C	MV	ETC	SN(y)	SN(b)	4MMC-2 SN(r)
122	22304	22304	7061	1547	0	0	0	4241	9455	25.64	30.96	31.08
123	18992	18992	5634	727	0	0	0	4245	8386	26.04	31.67	31.88
124	23920	23920	6525	1096	0	0	0	6668	9631	25.23	31.27	31.44
125	230704	107208	67023	18160	123576	88771	28620	5859	22345	27.46	31.75	32.02
126	24624	24624	6807	1195	0	0	0	6657	9965	25.42	31.10	31.34
127	23096	23096	6699	1947	0	0	0	4196	10254	25.59	30.69	30.84
128	17536	17536	4772	568	0	0	0	4092	8104	26.13	31.63	31.99
129	24616	24616	7049	1074	0	0	0	6692	9801	25.05	31.22	31.34
130	234568	109688	68960	19068	124680	89258	29281	5950	22051	27.46	31.73	32.11
131	26360	26360	7322	1475	0	0	0	6838	10725	24.90	30.96	31.10
132	19736	19736	5707	893	0	0	0	4114	9022	25.67	31.17	31.28
133	19032	19032	5360	582	0	0	0	4200	8970	25.38	31.55	31.80
134	24856	24856	6731	1313	0	0	0	6953	9859	25.11	31.13	31.34
135	229592	109488	68383	19085	120104	85981	27948	5876	22399	27.48	31.76	32.11
136	26288	26288	7119	1424	0	0	0	7068	10685	24.94	30.95	31.06
137	21072	21072	6032	1214	0	0	0	4287	9539	25.55	31.10	31.28
138	19312	19312	6008	630	0	0	0	4268	8406	25.88	31.65	31.78
139	25624	25624	7219	1341	0	0	0	6983	10081	25.05	31.23	31.41
140	239416	115760	73991	19787	123656	88356	28974	5678	22630	27.37	31.76	32.02
141	29288	29288	8972	2201	0	0	0	7230	10885	25.07	30.96	31.22
142	22984	22984	7643	1373	0	0	0	4290	9678	25.64	31.17	31.29
143	22864	22864	8439	1006	0	0	0	4407	9012	25.76	31.61	31.87
144	31176	31176	10741	2160	0	0	0	7310	10965	25.08	31.16	31.28
145	234080	110440	70545	17667	123640	88473	28948	6060	22587	27.52	31.80	32.17
146	30976	30976	10584	2250	0	0	0	7242	10900	24.99	30.96	31.23
147	25624	25624	9288	1839	0	0	0	4371	10126	25.58	31.15	31.31
148	24168	24168	9167	1412	0	0	0	4333	9256	25.61	31.56	31.75
149	30376	30376	10448	2220	0	0	0	7032	10576	25.09	31.11	31.25
150	255704	133032	88029	22136	122672	87455	28987	5960	23137	27.33	31.84	32.12
151	30120	30120	9930	2347	0	0	0	6987	10856	24.84	30.77	31.07
152	26552	26552	10277	1816	0	0	0	4446	10013	25.16	31.30	31.35
153	23736	23736	9782	1092	0	0	0	4302	8560	25.55	31.64	31.79
154	25240	25240	8493	1470	0	0	0	6517	8700	25.70	31.54	31.70
155	251248	127176	84826	19828	124072	88384	29456	6192	22562	27.38	31.82	32.14
156	27016	27016	7062	2701	0	0	0	6651	10602	25.91	30.72	30.84
157	22464	22464	8603	1235	0	0	0	4089	8537	25.97	31.55	31.73
158	21096	21096	7931	883	0	0	0	4152	8130	26.31	31.72	32.02
159	22584	22584	8643	1059	0	0	0	6426	8456	26.32	31.65	31.91
160	239184	116312	75448	19467	122872	87552	29085	5644	21988	27.63	31.86	32.27
161	24336	24336	6039	2245	0	0	0	6164	9888	26.05	30.71	30.75
162	22128	22128	8481	958	0	0	0	4314	8375	25.90	31.61	31.89
163	20640	20640	7253	723	0	0	0	4491	8173	26.41	31.73	31.93
164	22840	22840	6429	1419	0	0	0	6359	8633	26.19	31.59	31.78
165	220592	99808	59340	19465	120792	85977	28537	5415	21878	27.80	31.79	32.12
166	22944	22944	8583	1543	0	0	0	6497	9321	26.33	30.91	31.07
167	21752	21752	7570	1037	0	0	0	4226	8919	26.12	31.48	31.66
168	18720	18720	6040	439	0	0	0	4017	8224	26.76	31.76	32.00
169	20520	20520	5287	925	0	0	0	6041	8267	26.53	31.54	31.84
170	224192	102928	61253	20631	121264	86209	28763	5235	22061	27.93	31.80	32.10
171	23856	23856	5656	1914	0	0	0	6187	10099	26.48	30.55	30.72
172	21456	21456	7688	945	0	0	0	4105	8718	26.19	31.41	31.56
173	19416	19416	6649	507	0	0	0	4071	8189	26.85	31.69	32.01
174	22656	22656	6469	1296	0	0	0	6378	8513	26.40	31.44	31.69
175	233192	107504	64245	21913	125688	89611	29836	5274	22313	27.99	31.69	32.11
176	26344	26344	6658	2818	0	0	0	6268	10600	26.52	30.43	30.49
177	23280	23280	9207	1029	0	0	0	4301	8743	26.13	31.44	31.69
178	22216	22216	8533	970	0	0	0	4258	8455	26.48	31.62	31.88
179	23896	23896	7324	1410	0	0	0	6446	8716	26.50	31.46	31.78
180	228840	103464	59499	22518	125376	88956	30024	5475	22368	28.01	31.63	32.01
181	25808	25808	7013	2219	0	0	0	6531	10045	26.34	30.50	30.63
182	25208	25208	10116	1729	0	0	0	4502	8861	26.22	31.35	31.60
183	23688	23688	9475	1353	0	0	0	4438	8422	26.52	31.53	31.76
184	24888	24888	8487	1288	0	0	0	6464	8649	26.27	31.42	31.70

num	ALL	(P.B PART) TOTAL	P.B PART PIC_Y	P.B PART PIC_C	(I PART) TOTAL	I PART PIC_Y	I PART PIC_C	MV	ETC	SN(y)	SN(b)	4MMC-3 SN(r)
185	227712	103752	59773	22702	123960	87992	29766	5301	22178	28.07	31.59	31.96
186	28416	28416	8561	2632	0	0	0	6628	10595	26.03	30.37	30.55
187	25152	25152	10426	1360	0	0	0	4515	8851	26.03	31.31	31.55
188	24000	24000	9362	1377	0	0	0	4523	8738	26.47	31.50	31.74
189	23944	23944	7387	1256	0	0	0	6797	8504	26.80	31.62	31.86
190	226536	102960	58238	23029	123576	87633	29702	5590	22344	28.13	31.59	31.97
191	26456	26456	7236	2395	0	0	0	6487	10338	26.48	30.49	30.58
192	25128	25128	10199	1344	0	0	0	4466	9119	26.03	31.40	31.73
193	21496	21496	7635	1187	0	0	0	4376	8298	26.87	31.55	31.70
194	24056	24056	7676	1849	0	0	0	6526	8805	26.34	31.72	31.94
195	225248	101832	56853	21385	123416	87487	29706	5677	22140	28.17	31.71	32.01
196	25880	25880	8893	1511	0	0	0	6539	8937	26.47	31.27	31.40
197	25200	25200	10856	1405	0	0	0	4160	8779	26.34	31.59	31.80
198	24576	24576	10171	1456	0	0	0	4172	8727	26.82	31.74	31.95
199	25976	25976	9308	1312	0	0	0	6308	9048	26.50	31.83	32.05
200	223608	101704	60127	20286	119904	84309	29333	5265	22288	28.17	31.91	32.24
201	25352	25352	8637	3264	0	0	0	6494	8957	26.59	31.43	31.44
202	24840	24840	10338	1332	0	0	0	4214	8956	26.12	31.69	31.91
203	22056	22056	8242	1214	0	0	0	4295	8305	27.24	31.88	32.07
204	25584	25584	8745	1387	0	0	0	6338	9114	26.46	31.83	32.07
205	228976	108232	63526	22853	120744	85774	28816	5578	22429	28.48	32.09	32.39
206	27344	27344	10182	1477	0	0	0	6390	9295	26.22	31.52	31.64
207	24568	24568	10437	1425	0	0	0	4130	8576	26.64	31.88	32.13
208	27616	27616	12293	1742	0	0	0	4347	9236	26.75	31.93	32.14
209	27360	27360	10025	2051	0	0	0	6227	9057	26.72	31.85	32.03
210	230672	103736	63467	21150	126936	89457	31244	5122	22232	28.55	32.18	32.54
211	25896	25896	8730	1629	0	0	0	6624	8913	26.81	31.71	31.80
212	29792	29792	13833	2081	0	0	0	4408	9470	26.17	31.86	32.04
213	26848	26848	11708	1653	0	0	0	4470	9017	26.93	32.12	32.35
214	26152	26152	8903	1961	0	0	0	6550	8738	27.19	31.85	32.11
215	237952	114888	67652	25411	123064	86579	30214	5504	22592	28.87	32.30	32.63
216	29112	29112	8732	3275	0	0	0	6609	10496	26.98	31.04	31.04
217	28064	28064	12807	1781	0	0	0	4157	9319	26.58	31.86	32.10
218	27328	27328	12341	1772	0	0	0	4342	8873	26.98	32.05	32.37
219	26232	26232	9192	2038	0	0	0	6484	8518	27.34	31.96	32.17
220	248448	126200	75103	28798	122248	86100	29915	5531	23001	28.08	32.16	32.54
221	30728	30728	10291	3394	0	0	0	6356	10687	25.77	30.86	30.88
222	29720	29720	14351	1637	0	0	0	4297	9435	26.43	31.75	32.04
223	27920	27920	12626	1783	0	0	0	4414	9097	27.02	32.04	32.30
224	29320	29320	9480	3844	0	0	0	6424	9512	27.26	31.36	31.48
225	246752	126160	73820	30328	120592	85013	29359	5462	22770	28.95	32.22	32.57
226	29632	29632	9617	2898	0	0	0	6499	10618	27.11	31.00	31.10
227	27416	27416	11905	2177	0	0	0	4198	9136	27.05	31.66	31.83
228	24480	24480	9814	1655	0	0	0	4461	8550	27.71	31.98	32.26
229	26672	26672	9205	1977	0	0	0	6515	8975	27.10	31.77	31.97
230	245080	119088	66901	30129	125992	88580	31150	5540	22780	29.02	32.08	32.48
231	24992	24992	7869	2008	0	0	0	6421	8702	27.75	31.70	31.88
232	29960	29960	12558	3005	0	0	0	4429	9968	26.63	31.27	31.31
233	22408	22408	7945	1702	0	0	0	4229	8532	27.65	32.12	32.38
234	25904	25904	8785	1666	0	0	0	6710	8743	27.20	31.67	31.84
235	246760	122888	74371	25887	123872	86938	30668	5580	23316	29.14	32.43	32.79
236	24048	24048	7465	1509	0	0	0	6636	8438	27.61	32.08	32.33
237	30120	30120	11030	3551	0	0	0	4287	11252	27.04	31.05	31.14
238	24096	24096	8982	2109	0	0	0	4216	8789	27.62	32.01	32.27
239	24360	24360	8132	1223	0	0	0	6655	8350	27.32	32.01	32.31
240	245712	121256	70586	28267	124456	86890	31298	5508	23143	29.07	32.28	32.69
241	23264	23264	7269	1206	0	0	0	6598	8191	27.43	32.08	32.31
242	29616	29616	9726	4238	0	0	0	4399	11253	26.91	30.58	30.75
243	23872	23872	8402	2160	0	0	0	4392	8918	27.47	31.89	32.18
244	24216	24216	7387	1697	0	0	0	6786	8346	27.41	31.75	31.97
245	247432	124880	68829	33403	122552	85801	30497	5450	23452	29.13	32.14	32.49
246	22288	22288	6052	1358	0	0	0	6725	8153	27.38	31.73	31.98
247	27600	27600	7952	3979	0	0	0	4279	11390	27.02	30.31	30.43

num	ALL	(P.B PART) TOTAL	P.B PART PIC_Y	P.B PART PIC_C	(I PART) TOTAL	I PART PIC_Y	I PART PIC_C	MV	ETC	SN(y)	SN(b)	4MMC-4 SN(r)
248	22816	22816	7872	2130	0	0	0	4198	8616	27.22	31.59	31.85
249	22696	22696	6356	1480	0	0	0	6413	8447	27.26	31.62	31.86
250	233800	112792	64054	26900	121008	84645	30120	5568	22521	28.12	31.89	32.33
251	23120	23120	6644	1694	0	0	0	6608	8174	27.41	31.64	31.73
252	30568	30568	10065	4603	0	0	0	4350	11550	26.47	30.27	30.38
253	29016	29016	8550	5054	0	0	0	4258	11154	27.06	30.51	30.62
254	26760	26760	6849	3138	0	0	0	6202	10451	26.70	30.40	30.52
255	211128	89616	53261	15605	121512	84685	30640	5712	21225	28.69	32.01	32.40
256	26560	26560	6251	3301	0	0	0	6595	10413	26.89	30.50	30.56
257	29776	29776	7712	5963	0	0	0	4233	11868	27.05	30.32	30.48
258	28656	28656	6928	5664	0	0	0	4486	11578	27.45	29.95	30.02
259	23744	23744	5995	1941	0	0	0	6346	9462	27.52	31.05	31.21
260	220232	94976	52323	21062	125256	86989	32043	5623	22194	28.76	31.75	32.17
261	24088	24088	5335	2628	0	0	0	6459	9626	27.59	30.94	31.26
262	30344	30344	6288	7441	0	0	0	4374	12249	26.98	29.79	29.95
263	25920	25920	5488	4853	0	0	0	4263	11324	27.61	30.42	30.52
264	20648	20648	5345	828	0	0	0	6612	7863	27.43	31.63	31.98
265	215064	91680	53803	16508	123384	86702	31427	5738	21894	28.81	32.07	32.46
266	19536	19536	4307	839	0	0	0	6767	7623	27.59	31.25	31.65
267	27032	27032	5241	6063	0	0	0	4349	11379	27.01	30.34	30.70
268	21392	21392	3950	3237	0	0	0	4304	9901	27.69	30.25	30.35
269	18808	18808	4204	589	0	0	0	6294	7711	27.39	31.69	32.04
270	224152	99728	54370	23116	124424	86144	32132	6013	22377	28.72	31.67	32.10
271	18760	18760	3967	600	0	0	0	6413	7780	27.48	31.49	31.74
272	20792	20792	4352	3119	0	0	0	4318	9003	27.12	30.87	31.22
273	24024	24024	3679	4978	0	0	0	4164	11203	27.69	29.82	29.97
274	19136	19136	4307	757	0	0	0	6210	7862	27.20	31.24	31.56
275	237576	115192	67616	25374	122384	84718	31387	5888	22593	28.36	31.66	32.03
276	19616	19616	4606	958	0	0	0	6151	7901	27.19	31.36	31.56
277	28696	28696	5284	7107	0	0	0	4156	12149	26.76	29.78	29.89
278	26896	26896	5240	5893	0	0	0	4227	11536	27.50	30.04	30.06
279	20288	20288	5439	1083	0	0	0	5994	7772	27.14	31.50	31.84
280	236536	96832	55567	19918	119704	82593	30939	5291	22268	28.40	31.77	32.06
281	21776	21776	6661	1116	0	0	0	6016	7983	27.22	31.51	31.78
282	28680	28680	7213	5449	0	0	0	4233	11785	26.85	30.14	30.07
283	20128	20128	6967	1344	0	0	0	4057	7760	27.25	31.52	31.86
284	25696	25696	7245	2479	0	0	0	6073	9899	26.77	30.43	30.43
285	225912	101184	59945	22292	121728	84178	31323	5159	22515	28.14	31.54	31.87
286	22368	22368	7190	1048	0	0	0	6160	7970	26.86	31.30	31.54
287	25120	25120	8314	2762	0	0	0	3788	10256	26.52	30.31	30.31
288	20288	20288	7539	1005	0	0	0	5850	7894	26.92	31.19	31.41
289	23616	23616	8201	1291	0	0	0	5749	8373	26.46	31.17	31.38
290	248448	123272	69209	31991	125176	86623	32366	5017	23242	27.97	31.24	31.52
291	23416	23416	8254	1310	0	0	0	5923	7929	26.83	31.25	31.62
292	26848	26848	9540	3139	0	0	0	3980	10209	26.56	30.21	30.20
293	20712	20712	7259	1447	0	0	0	3924	8082	27.07	31.35	31.68
294	24800	24800	7930	1630	0	0	0	6843	8393	26.41	31.07	31.22
295	236584	119664	70315	27357	116920	80814	29947	4859	23292	28.12	31.53	31.83
296	36200	36200	10448	7276	0	0	0	6825	11651	26.13	30.02	30.24
297	20000	20000	7994	1184	0	0	0	3805	7817	27.19	31.66	31.92
298	52048	52048	26368	6334	0	0	0	4666	14680	23.78	30.36	30.38
299	13328	13328	271	2125	0	0	0	3098	7834	27.51	30.95	31.00

>> NUMBER OF BITS AND SNR FOR EACH FIELD
>> CODING SEQUENCE ... Table Tennis
>> TARGET ... 4.0000 Mbps

4MTT-0

num	ALL	(P,B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
0	234864	138912	108645	6985	95952	83981	6456	1384	27373	25.94	37.88	38.68
1	21096	21096	5225	875	0	0	0	7386	7610	25.78	37.79	38.33
2	18584	18584	4078	756	0	0	0	6380	7370	25.32	37.75	38.27
3	20304	20304	5050	642	0	0	0	6860	7752	25.64	37.85	38.41
4	21000	21000	4167	487	0	0	0	8834	7512	25.14	37.80	38.40
5	258352	140832	114450	3193	117520	104455	7700	5376	22778	26.82	38.12	39.13
6	21832	21832	4701	489	0	0	0	9007	7635	25.52	38.03	38.63
7	21416	21416	6712	640	0	0	0	5698	8366	25.26	38.04	38.72
8	18576	18576	5375	228	0	0	0	5509	7664	26.25	38.08	38.75
9	22360	22360	4894	453	0	0	0	9488	7525	26.28	38.05	38.69
10	227992	120560	98567	1781	107432	95108	6951	5848	19737	28.26	38.21	39.18
11	21112	21112	4087	487	0	0	0	9231	7307	26.92	37.95	38.54
12	17904	17904	3899	577	0	0	0	6402	7026	26.73	37.95	38.51
13	19040	19040	4040	752	0	0	0	6670	7578	26.48	37.84	38.45
14	22352	22352	4418	628	0	0	0	9981	7325	26.83	37.89	38.50
15	255264	140032	114502	2132	115232	102387	7473	8762	20008	28.06	38.05	39.16
16	23312	23312	5514	589	0	0	0	9425	7784	26.57	38.08	38.63
17	21832	21832	6559	653	0	0	0	5897	8723	25.86	37.93	38.61
18	20920	20920	6304	1300	0	0	0	5166	8150	26.50	38.09	38.53
19	38680	38680	16280	537	0	0	0	10397	11466	24.94	38.03	38.64
20	236936	126656	103468	2264	110280	97634	7285	6261	20024	28.75	38.26	39.31
21	43576	43576	19943	742	0	0	0	10753	12138	24.57	37.94	38.65
22	21576	21576	6487	1024	0	0	0	6071	7994	26.47	37.96	38.73
23	23736	23736	6936	1107	0	0	0	7246	8447	25.96	37.86	38.61
24	36928	36928	15491	542	0	0	0	9806	11089	25.22	37.93	38.82
25	227344	115144	90964	2304	112200	99602	7233	6467	20774	28.86	38.10	39.31
26	42336	42336	19940	466	0	0	0	9318	12612	25.00	37.96	38.72
27	19152	19152	5627	623	0	0	0	5189	7713	26.82	37.94	38.74
28	23056	23056	6963	830	0	0	0	6771	8492	26.37	38.00	38.59
29	29512	29512	10217	387	0	0	0	9313	9595	25.66	37.92	38.64
30	199976	89080	66736	2020	110896	98501	7022	5340	20357	28.95	38.13	39.18
31	39648	39648	17834	534	0	0	0	9222	12058	24.71	37.93	38.57
32	17344	17344	3997	590	0	0	0	5413	7344	27.05	37.93	38.64
33	25960	25960	9128	535	0	0	0	7088	9209	25.51	37.86	38.55
34	24688	24688	6951	328	0	0	0	9081	8328	26.48	37.95	38.61
35	208392	96720	73333	2165	111672	99167	7121	6187	20419	29.07	38.06	39.13
36	29624	29624	10929	480	0	0	0	9262	8953	25.90	37.90	38.55
37	19168	19168	4995	556	0	0	0	6127	7490	27.43	37.82	38.45
38	25584	25584	9316	751	0	0	0	6918	8599	26.15	37.85	38.36
39	25848	25848	6836	407	0	0	0	10496	8109	26.85	37.89	38.56
40	229584	117256	92439	2521	112328	99478	7471	7132	20543	28.87	38.07	39.01
41	27088	27088	7837	440	0	0	0	10351	8460	26.54	37.89	38.50
42	20728	20728	5864	663	0	0	0	6339	7862	26.86	37.76	38.20
43	26616	26616	10256	763	0	0	0	6319	9278	25.87	37.74	38.39
44	39584	39584	16526	758	0	0	0	12474	9826	25.39	37.71	38.27
45	240336	132528	105179	3085	107808	95076	7361	9249	20386	28.77	37.88	38.96
46	46392	46392	21795	564	0	0	0	12758	11275	24.78	37.79	38.53
47	38152	38152	18679	1142	0	0	0	7449	10882	25.59	37.83	38.62
48	39976	39976	19073	1459	0	0	0	8650	10794	25.65	37.92	38.81
49	37592	37592	13566	555	0	0	0	13081	10390	25.72	38.10	39.03
50	219560	109104	80021	3096	110456	97009	8065	10617	20752	29.17	38.36	39.58
51	40536	40536	16134	1181	0	0	0	12776	10445	26.74	38.37	39.24
52	41784	41784	20682	1679	0	0	0	8218	11205	26.47	38.40	39.29
53	35936	35936	15506	1493	0	0	0	8386	10551	27.02	38.53	39.41
54	34048	34048	10797	827	0	0	0	12829	9595	27.36	38.59	39.42
55	205600	97552	66512	3134	108048	93984	8692	11610	21668	29.46	38.92	39.94
56	30472	30472	8123	628	0	0	0	12602	9119	27.96	38.82	39.65
57	33256	33256	13460	1281	0	0	0	8012	10503	27.46	38.83	39.57
58	31144	31144	12174	1038	0	0	0	8130	9802	27.71	38.87	39.52

4MTT-1

num	ALL	(P,B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
59	30592	30592	7910	590	0	0	0	13236	8856	28.01	38.94	39.69
60	213696	99664	68297	3343	114032	98976	9661	13943	21470	30.16	39.24	40.27
61	30240	30240	7960	572	0	0	0	12690	9018	28.37	39.07	39.73
62	27608	27608	9415	667	0	0	0	8096	9430	28.31	39.14	39.79
63	26000	26000	8379	449	0	0	0	8203	8969	28.77	39.25	40.09
64	31040	31040	7403	505	0	0	0	14362	8770	28.84	39.33	40.03
65	198080	84696	52497	3106	113384	97379	10632	12923	21543	30.71	39.61	40.48
66	32560	32560	9155	485	0	0	0	13693	9227	29.13	39.38	40.00
67	25784	25784	8136	397	0	0	0	8193	9058	29.35	39.51	40.05
68	26584	26584	8968	554	0	0	0	8063	8999	29.25	39.41	39.95
69	31312	31312	7559	337	0	0	0	14661	8755	29.65	39.49	40.01
70	185632	78560	43939	4042	107072	90163	13540	13871	22077	31.31	39.75	40.45
71	32240	32240	7875	666	0	0	0	14710	8989	30.03	39.57	40.11
72	24960	24960	7471	563	0	0	0	8004	8922	30.21	39.62	40.14
73	25432	25432	7723	669	0	0	0	8284	8756	30.39	39.67	40.19
74	30320	30320	6566	616	0	0	0	14658	8480	30.69	39.86	40.27
75	193336	78328	42168	4774	115008	96690	12944	14262	22498	32.16	40.15	40.80
76	36224	36224	11269	582	0	0	0	14550	9823	31.00	39.93	40.34
77	30216	30216	11113	925	0	0	0	8387	9791	31.29	40.03	40.36
78	30736	30736	11624	1084	0	0	0	8434	9594	31.30	39.96	40.33
79	35192	35192	9962	753	0	0	0	14937	9540	31.44	40.05	40.34
80	172760	69576	34680	4478	103184	85394	12424	13857	21927	32.79	40.33	40.79
81	35392	35392	9510	1293	0	0	0	15053	9536	31.85	40.02	40.19
82	29656	29656	10327	1230	0	0	0	8468	9631	31.82	40.00	40.30
83	31576	31576	11235	1895	0	0	0	8879	9567	31.96	39.96	40.06
84	34456	34456	8631	1298	0	0	0	15509	9018	32.24	40.13	40.27
85	189152	77904	39654	7044	111248	91576	14309	14388	22181	33.69	40.59	41.05
86	34824	34824	8175	1836	0	0	0	16005	8808	32.29	39.88	40.03
87	31256	31256	9923	2454	0	0	0	9439	9440	32.43	39.97	39.91
88	33136	33136	10661	3133	0	0	0	9791	9551	32.43	39.74	39.72
89	34888	34888	7657	2098	0	0	0	16217	8916	32.70	39.98	39.96
90	185968	71472	32984	6955	114496	93442	15677	14804	22106	34.16	40.65	41.04
91	38856	38856	10461	2480	0	0	0	16616	9299	32.70	39.96	39.80
92	36496	36496	12832	3533	0	0	0	10220	9911	32.63	39.95	39.65
93	35512	35512	11571	3784	0	0	0	10326	9831	32.67	39.76	39.43
94	36800	36800	8742	2481	0	0	0	16582	8995	32.72	39.81	39.72
95	174464	64216	26303	6396	110248	89256	15613	15018	21878	34.14	40.49	40.81
96	36624	36624	8912	2159	0	0	0	16771	8782	32.62	39.56	39.63
97	34568	34568	11523	3260	0	0	0	10173	9612	32.53	39.41	39.20
98	33808	33808	11234	2922	0	0	0	10138	9514	32.66	39.68	39.38
99	34256	34256	7969	1349	0	0	0	16001	8937	32.81	39.62	39.50
100	175608	62888	24911	7356	112720	90767	16584	14758	21232	34.27	40.10	40.39
101	38888	38888	10812	2119	0	0	0	16795	9162	32.85	39.32	39.21
102	35088	35088	12702	2783	0	0	0	9900	9703	32.63	39.18	39.02
103	34480	34480	11722	3045	0	0	0	10083	9630	32.79	39.03	38.80
104	38584	38584	11075	2584	0	0	0	15684	9241	32.82	38.93	38.97
105	172096	60008	22247	7747	112088	89486	17224	14619	20773	33.98	39.56	39.68
106	38640	38640	10945	2223	0	0	0	15990	9482	32.75	38.99	38.87
107	35304	35304	13272	2181	0	0	0	9905	9946	32.54	38.86	38.82
108	34560	34560	12875	2387	0	0	0	9633	9665	32.47	38.76	38.80
109	34400	34400	8914	1474	0	0	0	15162	8850	32.91	39.17	39.14
110	176600	64880	26377	8775	111720	88716	17630	14308	20794	34.23	39.70	39.84
111	39688	39688	12153	2533	0	0	0	15751	9251	32.51	38.68	38.80
112	32680	32680	11928	2176	0	0	0	9184	9392	32.54	38.80	38.76
113	31608	31608	10581	2611	0	0	0	9163	9253	32.62	38.65	38.57
114	36664	36664	10005	1894	0	0	0	15549	9216	32.62	38.77	38.83
115	181824	69416	30157	9899	112408	89217	17816	14116	20619	34.06	39.41	39.66
116	38160	38160	10628	2731	0	0	0	15504	9297	32.51	38.51	38.61
117	34008	34008	12358	2184	0	0	0	9572	9894	32.31	38.63	38.51
118	33344	33344	12482	1892	0	0	0	9321	9649	32.30	38.51	38.72
119	35360	35360	9531	1426	0	0	0	15255	9148	32.68	38.68	38.85
120	182232	68792	30713	8937	113440	90687	17390	13941	20564	34.06	39.34	39.68
121	42256	42256	13953	3025	0	0	0	15349	9929	32.74	38.66	38.78

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num	ALL	(P,B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
122	35040	35040	14031	1866	0	0	0	8848	10295	32.71	38.63	38.91
123	34048	34048	12846	2443	0	0	0	8686	10073	32.74	38.59	38.73
124	38656	38656	11201	2535	0	0	0	15162	9758	32.91	38.60	38.72
125	181376	68704	30386	10062	112672	90405	16902	13403	20218	34.03	39.19	39.52
126	31976	31976	6946	1230	0	0	0	15029	8771	32.30	38.44	38.52
127	28104	28104	8533	1347	0	0	0	8915	9279	32.18	38.43	38.48
128	26392	26392	7286	1260	0	0	0	8782	9064	32.27	38.48	38.51
129	34200	34200	7007	1547	0	0	0	16714	8872	32.42	38.51	38.41
130	197960	81208	38780	13550	116752	92191	18472	13516	21451	34.21	39.50	39.69
131	40288	40288	10298	2608	0	0	0	17844	9538	31.95	38.18	37.91
132	43448	43448	16045	4323	0	0	0	12505	10575	31.59	37.79	37.70
133	46912	46912	18070	3917	0	0	0	13428	11497	31.36	37.98	37.88
134	26992	26992	3630	1525	0	0	0	13949	7888	30.82	36.96	36.90
135	216600	106176	51796	15720	110424	93499	11095	16866	27624	31.56	38.40	38.14
136	33768	33768	7672	3531	0	0	0	13797	8768	31.01	37.33	37.22
137	28008	28008	9613	4247	0	0	0	5363	8787	31.01	37.40	37.08
138	27520	27520	8930	3946	0	0	0	5736	8908	31.00	37.33	37.24
139	28128	28128	7292	3729	0	0	0	8439	8668	31.65	37.59	37.43
140	196712	83104	47294	10610	113608	96610	11219	12127	18852	31.94	38.27	38.14
141	30064	30064	8434	4320	0	0	0	8306	9004	31.68	37.84	37.53
142	32896	32896	12758	5119	0	0	0	5687	9332	31.07	37.45	37.33
143	32888	32888	12835	4977	0	0	0	5747	9329	31.81	37.61	37.39
144	31288	31288	9664	4199	0	0	0	8319	9106	31.60	37.67	37.68
145	201544	87704	51307	15420	113840	96829	11175	6896	19917	33.09	39.00	38.88
146	30672	30672	8885	4637	0	0	0	8072	9078	31.66	37.70	37.64
147	30264	30264	10880	4696	0	0	0	5513	8975	31.92	37.71	37.44
148	29288	29288	10535	4291	0	0	0	5256	9206	31.94	37.68	37.66
149	29816	29816	8588	4373	0	0	0	7874	8981	32.12	37.83	37.57
150	214560	109352	67236	20904	105208	89295	10049	6379	20697	33.44	39.20	39.18
151	28744	28744	8168	4295	0	0	0	7447	8834	32.09	37.72	37.50
152	30024	30024	11063	4840	0	0	0	5099	9022	31.90	37.63	37.58
153	29040	29040	10666	4547	0	0	0	4885	8942	32.01	37.63	37.30
154	29024	29024	8132	4945	0	0	0	7011	8936	32.14	37.68	37.55
155	213248	96944	58935	17673	116304	98955	11487	6103	20095	33.52	39.10	39.01
156	33376	33376	10740	6360	0	0	0	6882	9394	32.24	37.88	37.76
157	31720	31720	11872	5907	0	0	0	4708	9233	32.16	37.80	37.45
158	31848	31848	12114	5461	0	0	0	4659	9614	32.15	37.75	37.50
159	31800	31800	10446	5205	0	0	0	6868	9281	32.31	37.91	37.62
160	205104	98736	60966	17990	106368	90478	10014	5535	20121	33.46	39.03	39.02
161	34120	34120	11665	6055	0	0	0	7072	9328	32.35	37.99	37.66
162	33880	33880	13184	5719	0	0	0	5144	9533	32.13	37.74	37.53
163	34144	34144	13414	6050	0	0	0	5252	9428	32.31	37.82	37.47
164	33272	33272	11104	5209	0	0	0	7557	9402	32.43	37.94	37.81
165	231912	115616	70735	23962	116296	99267	11179	5672	21097	33.91	39.39	39.36
166	26672	26672	6809	3534	0	0	0	7330	8999	32.30	37.71	37.60
167	27576	27576	9264	4100	0	0	0	5216	8996	32.21	37.62	37.34
168	26352	26352	9023	3645	0	0	0	4827	8857	32.24	37.57	37.53
169	26024	26024	6754	3353	0	0	0	7357	8560	32.33	37.76	37.48
170	221896	116280	71543	23493	105616	89654	10090	3844	21272	33.91	39.39	39.43
171	31488	31488	10103	5014	0	0	0	7402	8969	32.42	37.94	37.63
172	32304	32304	13891	6263	0	0	0	4805	9345	32.37	37.83	37.69
173	32576	32576	12955	5385	0	0	0	4971	9265	32.20	37.78	37.39
174	30608	30608	9282	5278	0	0	0	6902	9146	32.48	37.93	37.79
175	200976	85048	48739	16903	115528	98656	11468	5834	19378	33.53	39.10	38.96
176	31304	31304	9588	5667	0	0	0	6878	9171	32.51	37.92	37.78
177	31016	31016	11405	5867	0	0	0	4609	9135	32.22	37.75	37.35
178	30432	30432	10350	6210	0	0	0	4574	9298	32.39	37.68	37.52
179	30152	30152	8531	5858	0	0	0	6727	9036	32.49	37.89	37.56
180	217248	110048	67150	22631	107200	91040	10309	5761	20857	33.89	39.35	39.43
181	25512	25512	6175	3990	0	0	0	6184	8563	32.33	37.63	37.40
182	23096	23096	6199	3713	0	0	0	4569	8615	32.33	37.41	37.40
183	24512	24512	7309	4157	0	0	0	4517	8539	32.30	37.58	37.28
184	25040	25040	5648	4131	0	0	0	6743	8518	32.34	37.45	37.41

4MTT-3

num	ALL	(P,B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
185	226544	110720	67040	23684	115824	98441	11563	5256	20560	33.88	39.35	39.25
186	17760	17760	2110	1254	0	0	0	6576	7520	32.08	36.91	36.85
187	16248	16248	2797	1285	0	0	0	4602	7564	32.00	37.00	36.78
188	16240	16240	2788	1208	0	0	0	4559	7685	31.77	36.76	36.74
189	24256	24256	2526	1190	0	0	0	12981	7559	32.02	36.95	36.72
190	193432	87296	50530	17200	106136	90354	9932	5740	19676	33.44	38.97	36.97
191	23408	23408	1864	798	0	0	0	13293	7453	31.92	36.77	36.54
192	21880	21880	2904	1064	0	0	0	10294	7618	31.47	36.53	36.48
193	45416	45416	20585	2494	0	0	0	11410	10927	26.99	36.48	36.14
194	25912	25912	4081	1501	0	0	0	12514	7816	29.07	36.74	36.34
195	242472	132920	81175	12881	109552	94906	8777	16931	27802	30.41	38.33	36.11
196	46240	46240	18786	5649	0	0	0	12431	9394	29.41	37.43	37.16
197	37952	37952	19156	5491	0	0	0	3973	9332	29.68	37.45	37.35
198	36576	36576	17250	5864	0	0	0	4097	9365	29.40	37.42	37.20
199	32352	32352	12491	5117	0	0	0	5895	8849	30.56	37.54	37.57
200	200088	79368	51792	5675	120720	105043	9805	10902	16871	30.25	37.88	37.71
201	28728	28728	9843	4455	0	0	0	5657	8773	30.48	37.53	37.52
202	35216	35216	17172	4910	0	0	0	3837	9231	29.31	37.44	37.17
203	35464	35464	16903	5442	0	0	0	3803	9316	30.93	37.77	37.83
204	27104	27104	8521	4708	0	0	0	5378	8497	30.68	37.62	37.58
205	247544	142832	103302	18459	104712	90822	8036	4500	22425	33.04	39.17	39.37
206	28464	28464	9993	4265	0	0	0	5395	8811	29.98	37.48	37.33
207	33728	33728	15838	4993	0	0	0	3798	9099	31.07	37.81	37.86
208	32072	32072	14210	4997	0	0	0	3772	9093	31.07	37.75	37.32
209	30344	30344	10962	5233	0	0	0	5332	8817	31.69	37.79	37.86
210	242064	127128	90229	17504	114936	100107	8976	4309	20939	32.69	39.02	39.10
211	35112	35112	13940	6717	0	0	0	5316	9139	31.87	38.16	38.23
212	39896	39896	19199	7045	0	0	0	3537	9515	31.02	38.12	38.02
213	39272	39272	18686	7525	0	0	0	3617	9444	31.81	38.14	38.00
214	38400	38400	16365	7610	0	0	0	5176	9249	31.84	38.19	38.17
215	222032	115176	79023	16021	106856	92683	8294	4186	21825	33.18	39.19	39.37
216	28168	28168	9588	4662	0	0	0	5234	8684	31.61	37.92	37.90
217	29272	29272	11919	4817	0	0	0	3622	8854	31.25	37.68	37.69
218	28224	28224	10600	4989	0	0	0	3622	8613	31.82	37.69	37.64
219	27760	27760	9143	4927	0	0	0	5062	8628	31.78	37.80	37.65
220	253776	143376	102958	19927	110400	95613	8972	4098	22208	33.69	39.37	39.64
221	33640	33640	12735	6965	0	0	0	4795	9145	31.94	38.16	38.05
222	33480	33480	14008	7004	0	0	0	3316	9152	31.64	38.04	38.04
223	33176	33176	12674	7934	0	0	0	3292	9276	31.97	38.02	37.77
224	33648	33648	12547	7089	0	0	0	4858	9154	32.08	38.15	38.07
225	219584	105720	70965	15637	113864	99285	6734	3796	21167	33.26	39.18	39.34
226	27616	27616	9454	4642	0	0	0	4905	8615	31.93	37.82	37.75
227	25912	25912	9050	4138	0	0	0	3396	8728	31.40	37.66	37.56
228	27960	27960	10549	5230	0	0	0	3348	8833	31.87	37.68	37.52
229	28664	28664	10053	4797	0	0	0	5126	8688	31.72	37.79	37.76
230	239696	127048	87639	19602	112648	97615	9023	3627	21990	33.78	39.37	39.62
231	30632	30632	11400	5090	0	0	0	5296	8844	31.61	37.61	37.70
232	31664	31664	13580	5352	0	0	0	3757	8975	31.54	37.67	37.52
233	31104	31104	12562	5585	0	0	0	4046	8913	31.59	37.75	37.59
234	30384	30384	10050	5657	0	0	0	5751	8926	31.85	37.65	37.45
235	218696	107704	70882	17265	110992	96511	8634	4066	21338	33.30	39.15	39.34
236	29248	29248	9224	5385	0	0	0	5698	8941	31.80	37.79	37.57
237	34520	34520	15511	5529	0	0	0	4122	9358	31.24	37.70	37.57
238	34752	34752	15874	5355	0	0	0	4162	9361	31.50	37.58	37.34
239	32776	32776	12455	5273	0	0	0	5951	9094	31.52	37.70	37.54
240	213552	102224	65085	17200	111328	96585	8931	4481	21270	33.30	39.13	39.19
241	28096	28096	9396	4098	0	0	0	5613	8789	31.89	37.48	37.48
242	31744	31744	14353	4324	0	0	0	4070	9197	30.90	37.47	37.28
243	33696	33696	15627	4617	0	0	0	4026	9426	31.17	37.41	37.38
244	27680	27680	11032	1670	0	0	0	6155	8823	31.37	36.57	38.32
245	228960	118184	80660	16924	110776	96360	8557	4663	21776	33.29	39.14	39.33
246	29792	29792	13266	1529	0	0	0	6018	8979	30.59	38.54	38.68
247	29408	29408	12627	3694	0	0	0	4132	8755	31.16	37.49	37.53

4MIT-4

num	ALL	(P.B PART TOTAL	PIC_Y	) PIC_C	(I PART TOTAL	PIC_Y	) PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
248	34424	34424	19550	1492	0	0	0	4014	9368	30.58	38.66	38.70
249	28128	28128	11640	1392	0	0	0	6205	8891	31.29	38.24	38.34
250	198672	87872	58918	9536	110800	96414	8589	5046	20167	33.01	39.19	39.25
251	27640	27640	11732	914	0	0	0	6220	8774	31.25	38.84	38.74
252	28176	28176	13977	1224	0	0	0	4353	8622	31.14	38.77	38.73
253	34704	34704	19724	1672	0	0	0	3901	9407	30.82	38.14	38.23
254	29456	29456	12773	913	0	0	0	6608	9162	31.27	38.11	38.64
255	204544	92528	59378	13707	112016	97647	8518	5312	19982	33.25	39.03	39.00
256	27812	27812	11530	1213	0	0	0	6192	8937	31.63	38.49	38.67
257	32368	32368	18031	840	0	0	0	4035	9462	30.95	38.74	38.78
258	28264	28264	12671	2634	0	0	0	3818	9081	31.51	38.12	38.25
259	28152	28152	11234	1147	0	0	0	6482	9289	31.42	38.61	38.57
260	198904	93704	63417	11659	105200	91162	8213	5050	19403	33.20	39.21	39.43
261	26384	26384	9122	961	0	0	0	6694	9007	31.73	38.58	38.58
262	29080	29080	13990	1335	0	0	0	4312	9443	31.27	38.17	38.68
263	29448	29448	12250	3705	0	0	0	4270	9223	31.41	37.88	37.93
264	25888	25888	9748	709	0	0	0	6622	8809	31.68	38.86	38.94
265	207168	91000	61471	10430	116168	100840	9483	5061	19883	33.30	39.24	39.42
266	25048	25048	8885	541	0	0	0	6619	8943	31.66	38.88	38.99
267	31328	31328	13782	3667	0	0	0	4475	9404	31.03	37.91	37.96
268	32200	32200	14371	4076	0	0	0	4212	9541	31.59	37.82	37.73
269	28824	28824	10238	2596	0	0	0	6869	9127	31.37	38.00	38.22
270	200376	93320	61420	12697	107056	92966	8315	5251	19727	33.31	39.19	39.22
271	24640	24640	8353	623	0	0	0	6965	8699	31.45	38.45	38.76
272	24280	24280	9741	1409	0	0	0	4349	8781	31.23	38.15	38.15
273	19552	19552	6657	461	0	0	0	4314	8114	31.78	38.89	39.00
274	23288	23288	7682	540	0	0	0	6492	8574	31.24	38.66	38.78
275	234384	119696	84444	11472	114688	100062	8866	9265	20275	33.23	39.25	39.53
276	22784	22784	6619	1391	0	0	0	6405	8369	31.43	37.94	38.28
277	23176	23176	9989	497	0	0	0	4147	8543	31.41	38.81	38.98
278	18720	18720	6106	348	0	0	0	4084	8182	31.62	38.53	38.87
279	22096	22096	6402	1048	0	0	0	6308	8238	31.62	38.38	38.60
280	227112	120248	85064	10963	106864	92751	8280	10124	19930	32.68	38.97	39.21
281	21208	21208	6123	468	0	0	0	6320	8297	31.32	38.58	38.74
282	24448	24448	10835	978	0	0	0	3988	8647	30.89	38.13	38.52
283	27864	27864	11116	3463	0	0	0	4065	9220	30.85	37.61	37.97
284	23776	23776	8021	467	0	0	0	6552	8736	31.02	38.50	38.69
285	236176	120904	86575	11484	115272	101308	8098	10022	18689	32.39	38.80	38.94
286	25072	25072	8886	679	0	0	0	6547	6960	30.81	38.39	38.66
287	23952	23952	8498	2586	0	0	0	4239	8629	30.84	37.56	37.82
288	24944	24944	8720	3556	0	0	0	4114	8554	31.26	37.46	38.02
289	24752	24752	8337	768	0	0	0	6983	8664	31.13	38.43	38.45
290	203472	99088	67579	9799	104384	90650	7861	7078	20505	32.62	38.91	39.10
291	24224	24224	7767	784	0	0	0	7080	8593	31.16	38.58	38.54
292	28080	28080	11774	2743	0	0	0	4645	8918	30.93	37.64	38.12
293	28720	28720	11390	3553	0	0	0	4546	9231	31.18	37.85	37.95
294	28008	28008	10364	1241	0	0	0	7565	8838	30.81	38.06	38.37
295	202800	84872	55849	9168	117928	103296	8814	5699	19974	32.71	38.93	39.13
296	29776	29776	11671	974	0	0	0	7891	9240	30.74	38.32	38.60
297	26560	26560	11350	2129	0	0	0	4079	9002	30.71	38.02	38.38
298	70416	10416	51907	2904	0	0	0	4706	10897	28.10	37.74	37.88
299	13848	13848	574	1861	0	0	0	3929	7484	32.05	37.95	38.01

>> NUMBER OF BITS AND SNR FOR EACH FIELD
>> CODING SEQUENCE ... Flower Garden
>> TARGET ... 9.0000 Mbps

9MFG-0

num	ALL	(P.B PART TOTAL	PIC_Y	) PIC_C	(I PART TOTAL	PIC_Y	) PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
0	371056	216536	137262	56086	154520	126062	22115	1384	28147	33.37	35.55	35.77
1	40336	40336	18702	3853	0	0	0	5947	11834	30.19	33.66	34.68
2	42392	42392	17825	3864	0	0	0	9461	11242	30.79	34.04	34.85
3	361600	161448	108805	31259	200152	162859	31055	4484	23018	32.86	35.21	35.42
4	42664	42664	18228	3586	0	0	0	9645	11205	30.58	34.08	34.89
5	42544	42544	18110	3692	0	0	0	9737	11005	30.70	33.88	34.79
6	330248	147392	92542	29746	182856	148348	28233	9201	22178	33.13	35.43	35.70
7	44384	44384	18775	4185	0	0	0	9695	11729	31.12	34.28	34.92
8	44536	44536	19109	4662	0	0	0	9412	11353	31.17	34.42	35.09
9	337712	158536	99729	33551	179176	145211	27749	9189	22283	33.13	35.40	35.54
10	54928	54928	27696	3981	0	0	0	10074	13177	29.71	33.98	34.82
11	53000	53000	26370	4255	0	0	0	9628	12747	30.08	33.81	34.59
12	344872	159648	98811	35122	185224	150323	28605	9175	22536	33.27	35.43	35.53
13	50840	50840	23024	6403	0	0	0	9155	12258	30.84	33.98	34.53
14	45456	45456	20074	4805	0	0	0	8960	11617	30.86	34.03	34.56
15	345608	172768	111264	36456	172840	140704	25841	8805	22538	32.94	35.29	35.29
16	46056	46056	19786	5593	0	0	0	9295	11382	31.23	34.17	34.60
17	48928	48928	22174	5584	0	0	0	9072	12098	30.83	33.95	34.53
18	351904	169456	108948	35328	182448	148122	28134	8907	22465	33.18	35.50	35.46
19	53080	53080	26097	5201	0	0	0	8806	12976	30.43	34.15	34.55
20	45232	45232	19139	5095	0	0	0	8989	12009	30.64	33.96	34.47
21	354048	171504	110409	36127	182544	148267	28084	8547	22614	33.04	35.31	35.35
22	65216	65216	37060	4640	0	0	0	9556	13960	28.96	33.60	34.33
23	67272	67272	38694	4933	0	0	0	9551	14094	29.18	33.52	34.32
24	338888	160264	99957	34807	178624	145500	26915	8897	22812	33.12	35.41	35.43
25	70872	70872	39953	7420	0	0	0	9101	14398	29.28	33.51	34.20
26	56936	56936	28856	5777	0	0	0	9023	13274	30.51	33.76	34.35
27	341072	159096	101769	32427	181976	147713	27979	8427	22751	32.83	35.14	35.21
28	47456	47456	19436	7123	0	0	0	9059	11798	31.04	33.48	34.09
29	48056	48056	21504	5883	0	0	0	8892	11777	30.24	33.68	34.22
30	350488	171064	113237	32762	179424	145822	27339	8508	22820	32.53	34.91	35.06
31	48184	48184	22692	4479	0	0	0	8489	12524	30.53	33.97	34.46
32	60232	60232	31757	5848	0	0	0	8786	13841	29.53	33.53	34.31
33	343176	162776	103509	34989	180400	146993	27187	7997	22501	32.90	35.25	35.28
34	67448	67448	39302	4134	0	0	0	9278	14134	28.49	33.35	34.19
35	65824	65824	37564	5220	0	0	0	9263	13777	29.17	33.38	34.28
36	340440	162272	102158	34708	178168	145167	26698	8811	22898	32.98	35.30	35.30
37	67968	67968	37280	7713	0	0	0	8793	14182	29.29	33.40	33.98
38	63312	63312	35229	5720	0	0	0	8675	13688	30.26	33.60	34.20
39	357600	174304	114527	34849	183296	149325	27613	8350	22936	32.62	35.07	35.03
40	46944	46944	20058	5807	0	0	0	9092	11977	30.76	33.36	33.93
41	43104	43104	18662	4563	0	0	0	8687	11192	30.79	33.81	34.16
42	354536	175256	116391	34238	179280	146594	26466	8188	22659	32.31	34.74	34.77
43	38216	38216	15300	3706	0	0	0	8079	11131	30.51	33.67	33.99
44	36192	36192	14751	2835	0	0	0	8420	10186	30.13	33.64	34.14
45	342920	165744	106347	35398	177176	144314	26590	7753	22518	32.77	35.20	35.12
46	48472	48472	21537	5999	0	0	0	8450	12486	30.51	33.68	34.24
47	53904	53904	27041	5155	0	0	0	8452	12656	30.28	33.80	34.33
48	338952	158144	102188	31611	180808	147156	27382	8134	22501	32.64	35.11	35.04
49	52552	52552	25011	6584	0	0	0	8213	12744	30.41	33.81	34.15
50	63464	63464	34879	6211	0	0	0	8383	13991	29.80	33.86	34.15
51	347280	167408	106159	36938	179872	146224	27610	7905	22444	32.80	35.25	35.03
52	48528	48528	21916	5324	0	0	0	8541	12747	30.53	33.91	34.21
53	56904	56904	29360	5305	0	0	0	8770	13389	29.96	33.94	34.38
54	341600	161376	103907	34781	180224	146450	27521	8090	22851	33.08	35.49	35.29
55	52840	52840	26507	4433	0	0	0	8724	13176	29.65	33.89	34.41
56	46768	46768	22118	3566	0	0	0	8453	12631	30.15	33.97	34.43
57	352280	170848	109113	36838	181432	147276	27906	8434	22713	33.01	35.43	35.27
58	39312	39312	15017	4130	0	0	0	8151	11211	30.01	33.63	34.1[illegible]

9MFG-1

num	ALL	(P.B PART TOTAL	PIC_Y	) PIC_C	(I PART TOTAL	PIC_Y	) PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
59	37512	37512	15019	3031	0	0	0	8496	10966	30.61	34.05	34.30
60	346360	165488	108520	32071	180872	146984	27623	8663	22493	32.79	35.24	35.11
61	37416	37416	15043	3561	0	0	0	8333	10479	30.99	33.94	34.32
62	37384	37384	14301	3508	0	0	0	8719	10856	30.70	34.00	34.46
63	327216	148464	93404	30480	178752	145302	27153	8244	22633	32.65	35.12	35.02
64	39632	39632	16695	2918	0	0	0	8388	11631	30.35	34.05	34.38
65	40144	40144	16487	3687	0	0	0	8673	11297	30.01	33.77	34.09
66	328488	150624	95073	30924	177864	144626	27048	8532	22285	32.57	35.06	35.01
67	65976	65976	38294	5196	0	0	0	8679	13807	26.69	33.38	34.04
68	58632	58632	31456	4595	0	0	0	8762	13819	29.39	33.45	33.97
69	321168	140408	86302	29351	180760	146962	27643	8330	22580	32.58	34.90	34.99
70	44568	44568	16703	7125	0	0	0	8962	11778	30.89	33.43	33.88
71	44176	44176	19220	4767	0	0	0	8486	11703	30.59	33.86	34.11
72	348744	167064	111992	29928	181680	147567	27735	8652	22870	32.09	34.58	34.64
73	38296	38296	15203	3593	0	0	0	8200	11300	30.48	33.71	34.03
74	36520	36520	13737	3486	0	0	0	8102	11195	30.11	33.47	33.93
75	348072	166712	106379	35846	181360	147485	27570	7991	22801	32.70	35.14	34.96
76	41168	41168	17193	3868	0	0	0	8180	11927	30.03	33.51	33.87
77	38528	38528	14337	4243	0	0	0	8628	11320	30.11	33.52	33.95
78	339608	157840	101550	32251	181768	147776	27589	7841	22601	32.36	34.84	34.77
79	51896	51896	25970	4126	0	0	0	8603	13197	29.20	33.38	34.02
80	59552	59552	32973	3799	0	0	0	8892	13888	29.01	33.52	34.14
81	329808	148864	93186	31415	180944	147157	27501	8025	22524	32.45	34.88	34.65
82	40640	40640	14944	4767	0	0	0	8975	11954	30.62	33.39	33.91
83	40280	40280	16241	3486	0	0	0	8578	11975	30.02	33.55	34.04
84	360648	181184	120192	36241	179464	146249	26966	8315	22685	32.54	34.89	34.83
85	57240	57240	30810	4237	0	0	0	8543	13650	28.96	33.37	33.88
86	46784	46784	21200	4152	0	0	0	8449	12983	29.39	33.30	33.86
87	330144	153512	96896	32718	176632	143789	26557	7746	22408	32.31	34.70	34.68
88	50464	50464	23685	4522	0	0	0	9215	13038	28.72	33.06	33.69
89	50304	50304	24949	3632	0	0	0	8596	13127	28.88	33.06	33.76
90	343440	164344	105624	34180	179096	146033	26873	8135	22595	32.28	34.70	34.52
91	39128	39128	14801	4498	0	0	0	8237	11592	29.74	32.81	33.41
92	39984	39984	17279	3147	0	0	0	7825	11733	30.01	33.37	33.83
93	340464	161544	106597	31197	178920	145814	26959	7513	21954	31.93	34.37	34.33
94	43008	43008	17472	4809	0	0	0	8441	12286	29.96	33.31	33.78
95	39304	39304	15005	4178	0	0	0	8517	11604	30.04	33.23	33.67
96	348088	163672	105146	35049	184416	150129	28091	7734	21936	32.32	34.70	34.63
97	66960	66960	39406	4971	0	0	0	8083	14500	28.34	32.93	33.54
98	51136	51136	24607	5247	0	0	0	8002	13280	29.78	33.10	33.68
99	322400	146392	90205	32791	176008	143361	26505	7457	22081	32.31	34.53	34.53
100	47392	47392	20448	5483	0	0	0	8627	12834	29.52	33.06	33.65
101	39360	39360	15368	4833	0	0	0	7955	11204	29.66	33.07	33.55
102	369952	189480	126750	38968	180472	147390	27000	7705	22139	32.40	34.70	34.53
103	44040	44040	19518	4923	0	0	0	7866	11733	29.41	32.90	33.59
104	58312	58312	31711	4525	0	0	0	8063	14013	28.70	33.17	33.84
105	311176	127720	76313	28454	183456	148520	28741	7229	21919	32.34	34.48	34.63
106	73664	73664	44445	5717	0	0	0	8609	14893	26.05	32.73	33.63
107	71728	71728	42765	5705	0	0	0	8433	14825	28.64	33.00	33.67
108	299776	125680	72715	28951	174096	141759	26230	7868	22253	32.25	34.42	34.59
109	39504	39504	15135	4685	0	0	0	7846	11838	29.75	32.94	33.71
110	41616	41616	18229	3721	0	0	0	7487	12179	29.70	32.91	33.61
111	381632	193352	130076	40208	188280	152974	29185	7156	22033	32.44	34.61	34.57
112	60832	60832	34094	4457	0	0	0	7598	14283	28.79	32.96	33.71
113	57928	57928	31461	4286	0	0	0	8122	14059	29.26	33.22	33.50
114	331136	151352	95439	32624	179784	146449	27153	7439	21832	32.32	34.58	34.64
115	38256	38256	13357	4929	0	0	0	7695	12275	30.03	33.00	33.59
116	38600	38600	15219	3619	0	0	0	7485	12277	29.87	33.20	33.73
117	360416	185896	122463	40553	174520	142174	26231	7147	21848	32.57	34.82	34.71
118	47584	47584	22140	4140	0	0	0	8038	13266	29.70	33.25	33.68
119	41928	41928	18145	3025	0	0	0	8176	12502	29.94	33.51	31.09
120	350872	165024	106107	35590	185848	150856	28770	7651	21899	32.56	34.78	34.76
121	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

num	ALL	(TOTAL	P.B PART PIC_Y	PIC_C)	(TOTAL	I PART PIC_Y	PIC_C)	MY	ETC	SM(y)	SM(b)	9MFG-2 SM(r)
122	51864	51864	26448	4206	0	0	0	7778	13432	29.35	33.37	33.90
123	346744	163976	103568	37318	102768	148706	21931	7311	21910	32.42	34.58	34.61
124	64808	64808	34112	7159	0	0	0	8499	15038	29.34	33.11	33.67
125	75720	75720	46456	5497	0	0	0	8462	15305	29.38	33.28	33.82
126	346656	173072	112293	36395	173584	141640	25779	8120	22429	32.39	34.60	34.56
127	52848	52848	26005	4783	0	0	0	7891	14169	29.07	33.19	33.66
128	48168	48168	32971	3585	0	0	0	7831	13761	29.73	33.42	33.84
129	377568	194176	126946	43726	183392	149415	27845	7361	22275	32.18	34.96	34.78
130	38248	38248	13930	4128	0	0	0	8080	12118	30.26	33.06	33.55
131	40896	40896	17459	3163	0	0	0	7640	12634	30.25	33.53	33.72
132	358328	182824	120593	38650	175504	143318	25999	7616	22084	32.37	34.58	34.47
133	39592	39592	14898	5444	0	0	0	7386	11864	30.79	33.35	33.55
134	37136	37136	14317	4019	0	0	0	7147	11593	30.55	33.42	33.78
135	353336	169520	110360	36213	183816	149813	27700	7103	22047	32.33	34.57	34.40
136	49600	49600	24383	4904	0	0	0	7120	13193	30.03	33.48	33.82
137	41736	41736	15888	5872	0	0	0	7622	12354	30.31	33.39	33.73
138	348552	171824	109999	38544	176728	144415	26221	7143	22232	32.66	34.85	34.69
139	57568	57568	29594	6164	0	0	0	7413	14397	29.71	33.28	33.75
140	62416	62416	35373	4773	0	0	0	7620	14650	29.80	33.66	33.87
141	362264	176072	112048	41189	186192	152275	27726	7001	22025	32.66	34.72	34.60
142	43376	43376	16867	6236	0	0	0	7898	12375	31.07	33.23	33.61
143	41584	41584	17219	4491	0	0	0	7505	12369	30.31	33.34	33.69
144	382816	203232	135332	44088	179584	146885	26698	7519	22374	32.63	34.77	34.54
145	44016	44016	18897	5403	0	0	0	7015	12701	30.27	33.27	33.67
146	39616	39616	15952	4179	0	0	0	7368	12117	30.27	33.50	33.93
147	355456	177528	115741	39139	177928	145007	26738	6581	22270	32.36	34.81	34.66
148	65704	65704	38106	5397	0	0	0	7558	14643	29.29	33.26	33.84
149	64928	64928	36603	5240	0	0	0	8081	15004	29.28	33.25	33.89
150	351272	173248	112434	37833	178024	145279	26639	6976	22151	32.39	34.75	34.70
151	36024	36024	12115	5055	0	0	0	7287	11567	30.33	33.12	33.58
152	43560	43560	19408	3921	0	0	0	7242	12989	29.60	33.30	33.81
153	386112	201216	134274	44108	184896	150812	27981	6882	22055	32.73	34.91	34.71
154	49600	49600	24889	3896	0	0	0	7382	13433	29.53	33.39	33.85
155	36552	36552	13021	4051	0	0	0	7995	11435	30.47	33.42	33.81
156	346376	172608	112069	37289	173768	141635	25988	7409	21986	32.44	34.62	34.56
157	40584	40584	16037	5324	0	0	0	7171	12052	30.07	33.03	33.41
158	42216	42216	19463	3172	0	0	0	7275	12306	29.80	33.49	33.77
159	356232	170296	111594	35991	185936	151237	26510	6971	21929	32.31	34.58	34.43
160	37384	37384	14479	4264	0	0	0	7534	11107	30.38	33.18	33.73
161	36776	36776	14884	3485	0	0	0	7503	10904	30.35	33.65	33.86
162	348912	173544	113292	37074	175368	142727	26487	7300	22032	32.51	34.78	34.53
163	37640	37640	14999	3935	0	0	0	7419	11287	30.35	33.42	33.65
164	32640	32640	11283	3527	0	0	0	7582	10248	30.42	33.36	33.63
165	349520	166128	107096	35936	183392	149315	27954	7332	21907	32.24	34.50	34.41
166	51856	51856	26513	4872	0	0	0	7742	13529	28.96	33.19	33.58
167	53768	53768	28216	3768	0	0	0	8040	13744	28.98	33.17	33.66
168	345472	164576	104924	36433	180896	147287	27541	7742	21545	32.39	34.62	34.46
169	39744	39744	15317	4934	0	0	0	7912	11581	30.17	33.10	33.73
170	37440	37440	14401	4159	0	0	0	7661	11219	30.25	33.44	33.73
171	361032	184280	120926	40386	177552	144182	27241	7283	21814	32.49	34.74	34.51
172	42344	42344	16941	5405	0	0	0	7561	12437	30.04	33.08	33.59
173	41168	41168	18065	3646	0	0	0	7401	12056	30.00	33.30	33.75
174	359920	176088	113900	39093	183832	149522	28152	7509	21744	32.40	34.62	34.43
175	35424	35424	12680	4822	0	0	0	7085	10837	30.65	33.00	33.58
176	35504	35504	13646	3924	0	0	0	7060	10874	30.36	33.35	33.72
177	354296	177816	114496	40354	176480	143434	26895	7038	22079	32.42	34.63	34.47
178	37672	37672	15137	4224	0	0	0	7360	11151	30.55	33.38	33.71
179	41544	41544	17552	4691	0	0	0	7471	11830	29.89	33.23	33.54
180	353144	172464	111958	37616	180680	146715	27770	7237	21848	32.31	34.60	34.40
181	51864	51864	26141	4828	0	0	0	7286	13609	29.05	33.13	33.48
182	44712	44712	20028	4597	0	0	0	7179	12908	29.36	33.25	33.51
183	359520	174848	113118	38660	184632	150219	28252	6796	21875	32.16	34.44	34.30
184	41480	41480	16575	5513	0	0	0	7410	11984	30.45	32.97	33.28

num	ALL	(TOTAL	P.B PART PIC_Y	PIC_C)	(TOTAL	I PART PIC_Y	PIC_C)	MY	ETC	SM(y)	SM(b)	9MFG-3 SM(r)
185	37712	37712	15073	4253	0	0	0	7103	11283	29.97	33.17	33.35
186	366112	190960	126595	41750	175152	142792	26214	6928	21893	32.31	34.50	34.32
187	44120	44120	20497	4266	0	0	0	6915	12442	29.67	33.09	33.35
188	44184	44184	21061	3460	0	0	0	6993	12670	29.58	33.33	33.69
189	348608	171208	110650	37881	177400	144499	26786	7016	21776	32.19	34.41	34.35
190	44208	44208	19091	4953	0	0	0	7324	12840	29.94	33.18	33.41
191	39720	39720	15316	4946	0	0	0	7343	11515	29.92	33.02	33.29
192	371560	183448	121194	39091	188112	152966	28975	7343	21991	32.45	34.62	34.46
193	54176	54176	29463	2742	0	0	0	7776	14193	28.42	33.19	33.56
194	58960	58960	31717	4648	0	0	0	8049	14546	28.17	33.00	33.39
195	320392	154352	96033	35310	174040	141144	26683	7077	22145	32.34	34.54	34.49
196	60712	60712	31899	5776	0	0	0	8070	14967	28.04	32.67	33.36
197	65104	65104	36854	4722	0	0	0	8415	15113	28.14	32.92	33.42
198	349072	162752	104730	33785	186320	151139	28986	8302	22130	31.99	34.23	34.07
199	62856	62856	34612	5297	0	0	0	7839	15108	27.58	32.52	33.12
200	58040	58040	31329	4215	0	0	0	7840	14656	28.54	32.74	33.31
201	344816	165696	104264	33943	179120	145152	27800	7387	22270	31.85	34.17	34.02
202	60096	60096	33166	3858	0	0	0	8097	14975	27.52	32.51	33.14
203	58432	58432	31984	3523	0	0	0	8014	14911	28.29	32.81	33.25
204	341360	158072	102522	31819	183288	148469	28566	7776	22208	31.83	34.13	34.04
205	56536	56536	28836	5558	0	0	0	7489	14653	27.43	31.93	32.69
206	61768	61768	35308	4149	0	0	0	7459	14852	28.10	32.49	33.03
207	323320	149680	100931	25593	173720	141417	26034	7099	22246	30.10	33.22	33.90
208	70440	70440	42449	5143	0	0	0	7703	15145	27.12	32.18	32.67
209	57192	57192	30929	3991	0	0	0	7682	14590	28.30	32.19	32.80
210	357904	175568	115786	36853	182336	148554	27664	6916	22131	31.55	33.77	33.71
211	63072	63072	36590	4042	0	0	0	7464	14976	26.74	32.01	32.64
212	67080	67080	40468	3700	0	0	0	7613	15303	27.37	32.25	32.84
213	329216	151208	94996	33954	178008	145083	26821	6047	22315	31.46	33.72	33.59
214	57488	57488	30337	4820	0	0	0	7963	14368	27.18	31.93	32.41
215	55480	55480	29922	3284	0	0	0	7649	14625	28.19	32.36	32.95
216	341232	159744	106136	30178	181488	147861	27506	7067	22484	31.15	33.50	33.41
217	52192	52192	26253	4425	0	0	0	7388	14126	27.33	31.79	32.49
218	47616	47616	23549	2977	0	0	0	7287	13803	28.59	32.37	32.92
219	328776	144224	96976	25102	184552	150191	28250	6533	21724	30.74	33.18	33.25
220	51000	51000	25087	4510	0	0	0	7548	13855	27.94	32.10	32.78
221	56072	56072	30726	3013	0	0	0	7582	14751	27.86	32.08	32.79
222	336960	161328	106916	31681	175632	143465	25976	6842	22080	31.16	33.52	33.52
223	58160	58160	32890	3583	0	0	0	7132	14555	27.12	32.00	32.66
224	43960	43960	23177	2700	0	0	0	7048	13035	28.54	32.34	32.92
225	335736	153416	100644	30994	182320	149187	26998	6037	21876	31.11	33.46	33.41
226	45712	45712	20582	3950	0	0	0	7493	13687	27.86	32.03	32.61
227	60216	60216	35094	3069	0	0	0	7380	14672	27.39	32.17	32.77
228	336288	154688	101276	30489	181600	148721	26746	7075	21981	31.14	33.56	33.45
229	56352	56352	30627	4262	0	0	0	7017	14446	27.12	31.95	32.61
230	44896	44896	21850	2503	0	0	0	6970	13573	28.61	32.51	33.00
231	343000	165912	111558	32556	177088	144778	26148	5897	22063	31.12	33.17	33.42
232	58072	58072	24689	4091	0	0	0	7098	14194	27.74	32.04	32.63
233	49184	49184	25260	2577	0	0	0	7229	14118	28.18	32.27	32.93
234	336168	158056	101964	30857	178112	145970	25948	6449	21980	31.35	33.54	33.50
235	34304	34304	12493	3699	0	0	0	6628	11484	29.10	32.06	32.67
236	34032	34032	13799	2119	0	0	0	6564	11550	29.12	32.52	33.00
237	341640	158216	105193	31461	183424	150224	27077	5978	21707	31.07	33.48	33.42
238	35520	35520	13962	3858	0	0	0	6514	11186	30.00	32.47	32.93
239	37552	37552	15656	3486	0	0	0	6683	11727	29.36	32.50	33.06
240	341240	160640	105728	32164	180600	147785	26721	6284	21958	31.57	33.88	33.73
241	43912	43912	20941	3278	0	0	0	6469	13224	29.17	32.98	33.37
242	42376	42376	18815	3692	0	0	0	6997	12872	29.10	32.86	33.13
243	356288	176056	114476	39863	180232	147186	26971	5837	21935	32.07	34.36	34.16
244	61112	61112	33471	5219	0	0	0	7301	15061	26.67	32.79	33.26
245	67368	67368	40045	4587	0	0	0	7570	15166	28.50	32.96	33.37
246	348728	176408	114099	39163	172320	140771	25387	7164	22164	32.11	34.37	34.22
247	52720	52720	26677	5051	0	0	0	6987	14005	28.86	32.59	33.12

num	ALL	(TOTAL	P.B PART PIC_Y	PIC_C)	(TOTAL	I PART PIC_Y	PIC_C)	MY	ETC	SM(y)	SM(b)	9MFG-4 SM(r)
248	46144	46144	22741	3538	0	0	0	6700	13165	29.62	32.91	33.37
249	377496	190648	125850	42269	186848	152593	28170	6568	22046	32.12	34.34	34.12
250	39424	39424	14549	6243	0	0	0	6844	11788	30.83	32.98	33.25
251	41720	41720	17358	5089	0	0	0	6936	12327	29.85	33.02	33.17
252	370080	192904	129237	41022	177096	144712	26198	6523	22308	32.08	34.26	34.09
253	43800	43800	20820	3636	0	0	0	6571	12773	29.19	32.54	33.24
254	56944	56944	31848	3748	0	0	0	6962	14386	28.22	32.64	33.14
255	349392	168760	106245	40862	180632	147890	26550	5830	22035	32.13	34.27	34.12
256	41432	41432	16814	4427	0	0	0	7237	12954	28.99	32.42	32.85
257	45416	45416	21838	3123	0	0	0	6981	13474	28.75	32.65	33.11
258	382144	196912	133005	41460	185232	151342	27859	6632	22046	32.04	34.14	33.99
259	35344	35344	12714	4750	0	0	0	6766	11114	30.09	32.34	32.76
260	32456	32456	12263	3042	0	0	0	6260	10891	29.91	32.81	33.25
261	350528	175576	117489	36778	174952	143429	25402	5519	21511	31.51	33.71	33.57
262	48928	48928	25298	4162	0	0	0	6224	13244	29.78	32.87	33.24
263	42904	42904	20502	3913	0	0	0	6059	12430	29.50	32.89	33.22
264	358424	174536	114992	38075	183888	150415	27448	5798	21696	31.77	33.93	33.82
265	46888	46888	21161	6836	0	0	0	5914	12947	29.86	32.65	32.96
266	37712	37712	15269	4747	0	0	0	6356	11340	30.08	32.87	33.22
267	362528	185656	120024	41579	176872	141796	25881	5290	21958	32.16	34.28	33.95
268	39024	39024	17280	3691	0	0	0	5957	12176	29.36	32.60	32.97
269	38288	38288	17191	3426	0	0	0	6047	11624	29.69	32.71	33.19
270	360720	178680	115542	42498	182040	149177	26701	5189	21613	32.18	34.19	33.97
271	46024	46024	19886	7131	0	0	0	6192	12815	29.75	32.47	32.85
272	35384	35384	13951	4063	0	0	0	6236	11134	30.23	32.99	33.26
273	348488	170296	109949	39196	178192	145903	25158	5269	22013	31.80	33.88	33.79
274	36288	36288	14542	4465	0	0	0	6109	11092	30.56	32.85	33.20
275	36592	36592	14103	5038	0	0	0	5984	11547	29.95	32.65	33.15
276	361608	181096	116752	43359	180512	147708	26634	5240	21915	32.20	34.23	33.98
277	39808	39808	18031	3389	0	0	0	6151	12237	29.12	32.48	32.94
278	36896	36896	15795	3126	0	0	0	6273	11702	29.84	32.81	33.15
279	365328	183384	116900	45589	181944	149144	26647	5090	21958	32.14	34.17	33.94
280	40248	40248	15291	7202	0	0	0	6002	11753	30.18	32.44	32.77
281	34880	34880	14168	3697	0	0	0	6072	10943	30.30	33.09	33.29
282	346864	167336	109112	37609	179328	146424	26877	5222	21420	31.89	33.98	33.79
283	38192	38192	15903	4991	0	0	0	6074	11224	30.40	32.94	33.04
284	35312	35312	14344	3749	0	0	0	6131	11088	30.32	33.06	33.30
285	354200	177232	111280	44848	176968	144401	26453	5344	21874	32.29	34.24	34.00
286	34504	34504	13620	3858	0	0	0	6008	11018	30.47	32.98	33.15
287	36296	36296	13700	5174	0	0	0	6343	11079	30.01	32.67	32.98
288	366784	180672	115428	44248	186112	151774	28187	5405	21739	32.15	34.13	33.86
289	43040	43040	20545	4194	0	0	0	6102	12199	29.58	32.86	33.07
290	43768	43768	19638	5042	0	0	0	6278	12810	29.43	32.57	33.08
291	363760	188208	119899	47379	175552	143528	25704	5154	21796	32.07	34.05	33.78
292	56504	56504	32181	3774	0	0	0	6531	14018	28.63	32.50	32.95
293	53216	53216	29605	3304	0	0	0	6448	13859	28.49	32.47	32.97
294	371616	190408	123683	45527	181208	147857	27237	5767	21545	32.03	34.04	33.77
295	47664	47664	21730	6316	0	0	0	6059	13559	29.70	32.40	32.70
296	38728	38728	14383	6557	0	0	0	5721	12067	29.84	32.51	32.88
297	370528	189832	127490	41894	180696	147731	26900	5210	21303	31.57	33.68	33.51
298	80704	80704	52655	6657	0	0	0	6177	15215	28.26	32.31	32.75
299	34096	34096	7862	10722	0	0	0	2877	12635	30.27	31.89	32.26

>> NUMBER OF BITS AND SNR FOR EACH FIELD
>> CODING SEQUENCE ... Mobile & Calendar
>> TARGET ... 9.0000 Mbps

9MBC-0

num	ALL	(P,B PART TOTAL	P,B PART PIC_Y	P,B PART PIC_C)	(I PART TOTAL	I PART PIC_Y	I PART PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
0	438088	269104	197458	48228	168984	123978	38735	1384	28305	28.73	33.23	33.83
1	60336	60336	33752	6789	0	0	0	4686	15109	25.74	32.11	32.77
2	62576	62576	35120	6025	0	0	0	6930	14501	26.21	32.42	33.01
3	347800	158096	114771	22317	189704	139487	43996	3071	24158	28.68	33.25	33.84
4	58328	58328	31820	5399	0	0	0	6960	14149	26.21	32.65	33.14
5	60664	60664	33848	5613	0	0	0	6803	14400	26.56	32.49	33.04
6	351872	169000	116684	29262	182872	134452	42172	5659	23643	29.35	33.42	34.07
7	58184	58184	31632	5309	0	0	0	6851	14392	26.32	32.49	33.10
8	60992	60992	32065	7742	0	0	0	6765	14420	26.88	32.31	32.80
9	338872	155672	107318	25381	183200	134250	42665	5520	23738	29.31	33.41	34.07
10	55872	55872	30048	4991	0	0	0	6805	14028	26.49	32.57	33.17
11	60624	60624	33233	6074	0	0	0	6685	14632	26.80	32.38	32.90
12	339600	160608	110014	27373	178992	131158	41634	5554	23467	29.38	33.36	34.03
13	60000	60000	34046	5143	0	0	0	6737	14074	26.32	32.57	33.12
14	61584	61584	35299	5461	0	0	0	6694	14130	26.60	32.45	32.96
15	332048	150400	102973	24940	181648	133151	42261	5350	23373	29.30	33.36	34.00
16	53352	53352	28626	4695	0	0	0	6687	13344	26.69	32.70	33.17
17	55064	55064	30993	4162	0	0	0	6481	13428	27.06	32.83	33.34
18	342296	163832	112874	28446	178464	130882	41395	5460	23239	29.41	33.32	33.94
19	47296	47296	26365	2442	0	0	0	6361	12128	27.15	33.16	33.65
20	46928	46928	26354	2323	0	0	0	6301	11950	27.33	33.11	33.57
21	329792	151728	100817	28400	178064	130695	41111	5320	23449	29.86	33.52	34.14
22	42920	42920	22956	2324	0	0	0	6243	11397	27.43	33.28	33.72
23	45120	45120	23449	3388	0	0	0	6201	12082	27.57	32.93	33.36
24	323040	144032	95834	26079	179008	130925	41857	4993	23352	29.92	33.63	34.18
25	44264	44264	24091	2848	0	0	0	6184	11135	27.42	33.26	33.83
26	45416	45416	24014	3158	0	0	0	6213	12031	28.02	33.25	33.76
27	311848	131712	87709	22026	180136	131392	42612	4967	23142	29.97	33.10	34.30
28	43536	43536	23861	2189	0	0	0	6327	11159	27.70	33.54	34.14
29	39320	39320	19863	2409	0	0	0	6174	10874	28.51	33.32	33.89
30	339792	159456	108971	28195	180336	131799	42415	5012	23400	30.35	34.04	34.57
31	42368	42368	24268	2067	0	0	0	5766	10267	28.02	33.52	34.14
32	44744	44744	25273	2687	0	0	0	5863	10921	28.73	33.59	34.11
33	338080	155840	106020	27460	182240	133578	42510	4924	23588	30.27	33.88	34.53
34	42832	42832	24520	1920	0	0	0	5692	10700	28.47	33.84	34.38
35	48288	48288	27704	3430	0	0	0	5761	11393	29.14	33.69	34.11
36	349536	167496	114175	31108	182040	133235	42600	4637	23781	30.73	34.26	34.81
37	45832	45832	27054	2341	0	0	0	5665	10772	28.70	33.88	34.39
38	51144	51144	29771	4026	0	0	0	5693	11654	29.03	33.74	34.27
39	356696	177848	121579	34165	178848	130124	42441	4634	23753	30.97	34.35	34.89
40	43464	43464	24347	2654	0	0	0	5815	10648	28.89	33.96	34.52
41	46792	46792	25713	4099	0	0	0	5485	11495	29.29	33.75	34.26
42	351448	173968	117738	33873	177480	129043	42215	4730	23849	31.08	34.45	35.08
43	44168	44168	25108	2659	0	0	0	5550	10851	29.03	33.97	34.52
44	48088	48088	27397	3536	0	0	0	5782	11373	29.24	33.83	34.35
45	345720	167760	112806	32814	177960	129299	42465	4586	23750	31.07	34.39	35.00
46	42408	42408	23895	2432	0	0	0	5586	10495	29.50	34.10	34.69
47	44928	44928	24893	4325	0	0	0	5516	10194	29.84	34.10	34.61
48	354152	172888	116711	33892	181264	131461	43529	4671	23888	31.15	34.50	35.08
49	39336	39336	21100	3197	0	0	0	5379	9660	29.72	34.22	34.79
50	44744	44744	23973	4791	0	0	0	5367	10613	29.95	33.93	34.39
51	372672	187328	124932	40088	185344	134590	44545	4519	23998	31.68	34.79	35.40
52	33720	33720	16971	2485	0	0	0	5159	8805	29.90	34.28	34.80
53	40016	40016	18778	5072	0	0	0	5545	10621	29.78	33.36	33.87
54	365800	185944	119432	44106	179856	130317	43355	4589	24001	31.63	34.79	35.36
55	32304	32304	15810	2220	0	0	0	5581	8693	29.71	33.91	34.46
56	39680	39680	19927	4296	0	0	0	5483	9974	29.67	33.57	34.16
57	329920	154800	91637	41462	175120	127163	41771	4633	23274	31.18	34.10	34.79
58	37224	37224	18744	3702	0	0	0	5560	9218	29.89	34.11	34.58

9MBC-1

num	ALL	(P,B PART TOTAL	P,B PART PIC_Y	P,B PART PIC_C)	(I PART TOTAL	I PART PIC_Y	I PART PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
59	48520	48520	22406	8369	0	0	0	5569	12176	29.90	32.94	33.44
60	338560	155744	92032	41886	182816	132071	44513	4585	23473	31.15	34.12	34.73
61	38664	38664	19766	2972	0	0	0	5667	10259	29.84	33.98	34.53
62	49232	49232	26186	5625	0	0	0	5475	11946	29.17	33.23	33.80
63	386384	204168	119125	62724	182216	131972	44032	4692	23839	31.58	34.21	34.81
64	36536	36536	18525	2935	0	0	0	5440	9636	29.93	33.94	34.46
65	44632	44632	23572	4437	0	0	0	5659	10964	29.34	33.52	34.05
66	380184	199400	114207	62911	180784	130500	44011	4484	24071	31.67	34.14	34.76
67	33920	33920	16054	2261	0	0	0	5624	9981	29.71	33.95	34.44
68	41760	41760	20856	3815	0	0	0	5672	11417	29.04	33.17	33.66
69	387608	217104	128979	65724	170504	123518	40752	4599	24036	31.69	34.23	34.82
70	39880	39880	20610	2739	0	0	0	5772	10759	29.33	33.65	34.11
71	41888	41888	20147	4556	0	0	0	5675	11510	29.15	33.12	33.62
72	357400	169984	94877	53384	187416	135701	45520	4527	23391	31.28	33.62	34.17
73	38352	38352	19833	2193	0	0	0	5821	10505	29.38	33.61	34.12
74	45280	45280	23768	4060	0	0	0	5496	11956	28.85	32.67	33.12
75	362472	181104	104573	54633	181368	131162	44019	4594	23491	31.15	33.64	34.25
76	41688	41688	23445	2214	0	0	0	5735	10294	28.89	33.22	33.75
77	42104	42104	22606	2866	0	0	0	5728	10904	28.54	32.94	33.47
78	352736	174552	99895	52766	178184	128982	42996	4541	23556	30.88	33.33	33.96
79	38896	38896	21262	2122	0	0	0	5709	9803	28.91	33.21	33.78
80	44640	44640	23935	3751	0	0	0	5785	11169	29.01	32.92	33.35
81	352464	175176	102025	51389	177288	128310	42640	4554	23546	30.89	33.28	33.93
82	40520	40520	21707	2835	0	0	0	5872	10106	28.88	33.32	33.79
83	43176	43176	21482	4212	0	0	0	5547	11935	28.93	32.35	32.87
84	366208	186920	116885	47871	179288	129410	43630	4776	23636	30.78	33.50	34.07
85	37112	37112	19696	2139	0	0	0	6000	9277	29.06	33.05	33.58
86	40128	40128	21104	3254	0	0	0	5417	10353	28.71	33.05	33.49
87	367936	182536	109693	50878	185400	133467	45669	4576	23653	30.76	33.35	34.02
88	36240	36240	18356	2296	0	0	0	5811	9777	29.09	33.36	33.87
89	39512	39512	19245	3646	0	0	0	5640	10981	28.85	32.71	33.27
90	362352	182264	111321	48929	180088	129180	44712	4621	23589	30.78	33.55	34.22
91	35848	35848	17951	2305	0	0	0	5940	9652	29.01	33.23	33.79
92	41184	41184	20163	3915	0	0	0	5742	11364	28.77	32.71	33.20
93	363976	187048	116198	48538	176928	127467	43230	4802	23741	30.70	33.54	34.13
94	38320	38320	20326	2316	0	0	0	5602	10076	28.88	33.25	33.80
95	40240	40240	20539	3175	0	0	0	5687	10839	28.57	32.98	33.45
96	359384	174504	102778	49557	184880	132891	45752	4719	23687	30.72	33.40	33.98
97	38792	38792	20982	2161	0	0	0	5675	9974	28.83	33.18	33.69
98	40576	40576	20945	2913	0	0	0	5894	10824	28.88	33.03	33.45
99	366672	185616	111350	51633	181056	130229	44663	4945	23872	30.73	33.39	34.02
100	40704	40704	22873	1794	0	0	0	5792	10245	28.77	33.38	33.85
101	41840	41840	21771	3387	0	0	0	5773	11109	28.81	33.01	33.41
102	340912	164536	96655	45433	176376	126169	43961	4976	23718	30.77	33.54	34.11
103	43320	43320	24642	2486	0	0	0	5930	10262	28.58	33.36	33.80
104	48424	48424	26263	4088	0	0	0	5964	12109	28.73	32.66	33.15
105	354072	175864	108117	45196	178208	127949	43989	5093	23728	30.72	33.60	34.16
106	44808	44808	25827	2369	0	0	0	6099	10513	28.50	33.30	33.75
107	51192	51192	29358	3639	0	0	0	6063	12132	28.28	32.75	33.20
108	357392	177160	107336	47428	180232	128994	44973	5032	23629	30.73	33.55	34.08
109	45176	45176	26349	2028	0	0	0	6082	10717	28.41	33.35	33.86
110	51688	51688	29974	3993	0	0	0	6018	11703	28.11	32.86	33.32
111	366560	189240	117152	49895	177320	127409	43687	4809	23608	30.70	33.47	34.11
112	47072	47072	27076	2910	0	0	0	5929	11157	28.38	33.35	33.87
113	51600	51600	28899	4474	0	0	0	5898	12929	28.19	32.72	33.23
114	381080	198944	127235	49382	182136	130463	45321	4914	23765	30.68	33.58	34.20
115	42144	42144	23108	2269	0	0	0	6012	10755	28.36	33.32	33.89
116	49904	49904	28247	3636	0	0	0	5856	11965	28.26	32.93	33.37
117	388624	210176	137575	49791	178448	128348	43863	5128	23919	30.64	33.56	34.19
118	41704	41704	22571	2410	0	0	0	5990	10733	28.57	33.37	33.85
119	44920	44920	23530	3695	0	0	0	5929	11766	28.61	32.93	33.41
120	386480	204088	132610	48870	182392	131186	44990	5098	23726	30.72	33.68	34.25
121	38936	38936	19736	2383	0	0	0	5946	10871	28.84	33.40	33.90

9MBC-2

num	ALL	(P,B PART TOTAL	P,B PART PIC_Y	P,B PART PIC_C)	(I PART TOTAL	I PART PIC_Y	I PART PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
122	45984	45984	23327	4784	0	0	0	5860	12013	28.41	32.81	33.17
123	380880	201424	130496	48215	179456	129339	43994	5143	23693	30.66	33.63	34.24
124	42152	42152	21802	3116	0	0	0	6065	11169	28.58	33.34	33.77
125	46024	46024	23664	4307	0	0	0	6037	12016	28.38	32.87	33.21
126	375832	195648	125764	47426	180184	129549	44407	5020	23666	30.67	33.71	34.30
127	42528	42528	21710	3040	0	0	0	6117	11661	28.68	33.36	33.85
128	48848	48848	24552	5550	0	0	0	5765	12981	28.35	32.71	33.12
129	371712	192576	124177	45864	179136	128419	44512	5100	23640	30.68	33.78	34.33
130	40960	40960	21348	2381	0	0	0	6016	11215	28.62	33.51	33.92
131	43640	43640	22511	3724	0	0	0	5695	11710	28.30	32.96	33.36
132	382112	202104	131823	47919	180008	128967	44912	5028	23463	30.62	33.79	34.31
133	42592	42592	22517	1945	0	0	0	6079	12051	27.94	33.34	33.74
134	48392	48392	25505	4161	0	0	0	6189	12537	27.62	32.73	33.19
135	375296	193040	125175	45280	182256	130752	45335	5205	23549	30.64	33.75	34.32
136	45344	45344	24622	2277	0	0	0	6407	12038	27.72	33.24	33.69
137	48720	48720	26515	3342	0	0	0	6178	12685	27.66	32.71	33.20
138	359912	182480	120127	39897	177432	127940	43858	5230	23460	30.33	33.55	34.11
139	42400	42400	22328	2137	0	0	0	6135	11800	27.69	33.08	33.55
140	45496	45496	23568	3414	0	0	0	6139	12375	27.70	32.70	33.13
141	346760	165904	107989	35471	180856	129756	44923	5499	23122	29.88	33.26	33.83
142	46216	46216	25308	2245	0	0	0	6524	12139	27.62	33.03	33.56
143	46776	46776	24063	3809	0	0	0	6378	12526	27.59	32.48	32.96
144	350664	171120	112267	36674	179544	128139	44528	5223	23233	29.83	33.23	33.83
145	46448	46448	25309	2511	0	0	0	6453	12175	27.35	33.02	33.41
146	47840	47840	25197	3520	0	0	0	6281	12842	27.15	32.47	32.92
147	370464	185000	121966	40195	185464	133162	46076	5472	23593	30.16	33.54	34.07
148	45824	45824	24231	3056	0	0	0	6422	12115	27.40	32.85	33.18
149	49200	49200	26772	3735	0	0	0	6368	12325	27.24	32.66	33.03
150	356912	177280	119737	35090	179632	128621	44170	5213	23441	29.72	33.24	33.76
151	47128	47128	26030	2752	0	0	0	6425	11921	27.16	32.70	33.04
152	48488	48488	26982	3355	0	0	0	5944	12207	26.80	32.43	32.72
153	348512	170592	113727	34263	177920	128009	43665	5271	23577	29.65	33.21	33.66
154	43848	43848	24380	2577	0	0	0	6067	10824	27.60	33.02	33.32
155	41648	41648	21663	3352	0	0	0	5839	10804	27.79	32.65	32.92
156	348472	169192	112033	34872	179280	128192	44828	5054	23493	29.77	33.21	33.66
157	40040	40040	21818	2272	0	0	0	5803	10147	27.94	33.13	33.52
158	41424	41424	21535	3679	0	0	0	5664	10526	27.90	32.68	33.00
159	336712	156040	96215	37543	180672	129122	45323	4902	23607	30.21	33.34	33.83
160	37176	37176	19145	2551	0	0	0	5840	9640	28.06	33.12	33.46
161	39680	39680	20246	3168	0	0	0	5796	10470	27.74	32.81	33.07
162	323136	145504	87081	36032	177632	126921	44417	4874	23811	30.22	33.31	33.80
163	38504	38504	19900	2259	0	0	0	5995	10350	28.17	33.18	33.47
164	41416	41416	21368	3405	0	0	0	6050	10593	27.79	32.81	33.05
165	324656	138736	86169	30545	185920	132440	47204	4857	23441	30.25	33.43	33.88
166	42504	42504	23244	3059	0	0	0	5914	10287	28.33	33.14	33.53
167	41568	41568	22337	2882	0	0	0	5766	10583	28.42	32.81	33.14
168	318312	139192	81559	35541	179120	127838	45041	4752	23581	30.31	33.22	33.71
169	40504	40504	22795	1903	0	0	0	5610	9936	28.45	33.25	33.69
170	41920	41920	23155	2693	0	0	0	5629	10443	28.48	32.63	32.98
171	340576	161064	93104	45053	179512	128633	44594	4714	23878	30.67	33.40	33.89
172	41792	41792	24146	1942	0	0	0	5712	9992	28.38	33.13	33.56
173	43104	43104	24038	2685	0	0	0	5751	10630	28.62	32.72	33.07
174	336112	158952	88801	47991	177160	126631	44192	4558	23933	30.61	33.31	33.77
175	42304	42304	23135	2452	0	0	0	5964	10153	28.47	33.16	33.55
176	43960	43960	24198	3306	0	0	0	5958	10498	28.51	32.76	33.04
177	345048	161304	92740	46326	183744	131375	46154	4845	23608	30.66	33.33	33.80
178	44032	44032	24743	3010	0	0	0	6064	10215	28.41	33.14	33.51
179	45264	45264	25406	3370	0	0	0	6056	10430	28.29	32.80	33.12
180	343568	162088	94103	45550	181480	129177	45915	4762	24021	30.54	33.33	33.76
181	45096	45096	24898	3434	0	0	0	6140	10624	28.60	33.06	33.46
182	48416	48416	27863	3690	0	0	0	6115	10748	28.29	32.75	33.05
183	344976	167728	98731	46516	177248	126038	44965	4881	23815	30.60	33.28	33.79
184	46272	46272	25994	3801	0	0	0	6057	10420	28.55	33.10	33.46

9MBC-3

num	ALL	(P,B PART TOTAL	P,B PART PIC_Y	P,B PART PIC_C)	(I PART TOTAL	I PART PIC_Y	I PART PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
185	47872	47872	27234	4028	0	0	0	6097	10513	28.24	32.67	33.01
186	355400	177872	107650	47812	177528	126215	45006	4896	23791	30.50	33.31	33.81
187	45352	45352	25167	3397	0	0	0	6283	10505	28.52	33.04	33.49
188	47632	47632	26237	4359	0	0	0	6136	10900	28.17	32.67	33.01
189	361264	174768	105868	46051	186496	132459	47821	5169	23896	30.57	33.30	33.77
190	42744	42744	22651	3624	0	0	0	6244	10225	28.99	33.17	33.57
191	49344	49344	27920	4216	0	0	0	5951	11197	28.23	32.76	33.08
192	351152	175176	108944	43582	175976	125316	44262	5078	23940	30.52	33.54	34.03
193	46480	46480	26464	3713	0	0	0	5923	10380	29.12	33.18	33.55
194	50168	50168	29146	4645	0	0	0	5665	10712	28.50	33.07	33.41
195	332872	147360	90958	34048	185512	131728	47548	5080	23510	30.61	33.62	34.04
196	46824	46824	27261	3490	0	0	0	5968	10105	29.08	33.58	33.90
197	45864	45864	25625	4153	0	0	0	5602	10484	28.86	33.15	33.46
198	347856	176480	113043	40682	171376	121530	43652	4906	24043	31.02	34.02	34.45
199	45368	45368	25580	3648	0	0	0	5839	10301	29.13	33.48	33.85
200	48056	48056	27153	4579	0	0	0	5754	10570	28.58	33.40	33.73
201	357216	169608	108440	38420	187608	132646	48737	5124	23849	30.99	34.00	34.41
202	48112	48112	27463	4101	0	0	0	5922	10626	29.46	33.53	33.97
203	52080	52080	30591	4862	0	0	0	5799	10828	29.41	33.41	33.76
204	343192	163360	106084	34877	179832	126921	46702	4958	23650	31.07	33.98	34.45
205	39720	39720	20730	3343	0	0	0	5570	10077	29.69	33.69	34.04
206	42448	42448	22061	4706	0	0	0	5573	10108	29.32	33.38	33.69
207	377744	200328	130247	47449	177416	125707	45466	4808	24067	31.55	34.40	34.83
208	56432	56432	33603	5980	0	0	0	5859	10990	29.51	33.54	33.95
209	49416	49416	27154	5691	0	0	0	5840	10731	29.58	33.61	33.92
210	343648	160984	102447	36464	182664	128962	47475	4811	23489	31.07	34.04	34.58
211	49456	49456	28274	4122	0	0	0	5915	11145	29.36	33.79	34.20
212	49216	49216	27601	4539	0	0	0	6069	11007	28.86	33.38	33.69
213	368760	192720	121766	48075	176040	124572	45241	5144	23959	31.64	34.42	34.91
214	52648	52648	29465	5898	0	0	0	6160	11125	29.58	33.53	33.94
215	52312	52312	29105	6026	0	0	0	5951	11224	29.47	33.53	33.83
216	354848	170176	104390	43485	184672	129628	48805	5014	23526	31.11	33.80	34.31
217	46488	46488	26174	3988	0	0	0	5983	10343	29.39	33.83	34.24
218	50888	50888	28554	5343	0	0	0	6173	10818	28.94	33.05	33.38
219	375896	195784	117152	56010	180112	127273	46590	4946	23925	31.72	34.25	34.72
220	45176	45176	24370	4778	0	0	0	6051	9977	29.23	33.31	33.79
221	47144	47144	25830	5131	0	0	0	5760	10123	29.29	33.19	33.46
222	352384	177336	105898	48784	175048	123982	44794	4923	24003	31.03	33.63	34.09
223	46384	46384	25164	4814	0	0	0	6119	10287	29.34	33.45	33.86
224	53192	53192	30943	5212	0	0	0	6037	11000	28.81	32.67	33.20
225	353064	171552	101707	47220	181512	128251	47052	5077	23757	31.23	33.70	34.20
226	41624	41624	21252	4384	0	0	0	5995	9993	29.54	33.43	33.60
227	47360	47360	26600	4102	0	0	0	5985	10673	29.00	32.85	33.19
228	354216	172904	98022	52071	181312	128067	46934	5007	24115	31.12	33.54	34.05
229	44272	44272	24379	3503	0	0	0	6159	10231	29.14	33.28	33.65
230	48680	48680	27198	4334	0	0	0	6117	11031	29.17	32.69	33.08
231	357824	178144	96105	59779	179680	127033	46393	4730	23784	31.29	33.38	33.88
232	43040	43040	23714	3702	0	0	0	5825	9799	29.26	33.05	33.45
233	43872	43872	23131	4281	0	0	0	5989	10471	29.50	33.05	33.43
234	355848	175192	91430	61022	180656	127513	46893	5097	23893	31.16	33.23	33.76
235	38712	38712	20506	3080	0	0	0	5852	9274	29.53	33.29	33.74
236	42288	42288	22111	3938	0	0	0	6099	10140	29.68	33.28	33.60
237	350800	176488	101657	52286	180312	126447	47616	5112	23682	31.19	33.52	34.11
238	38272	38272	19638	3027	0	0	0	6007	9600	29.50	33.32	33.76
239	42800	42800	21972	4420	0	0	0	5894	10514	29.62	33.33	33.81
240	339800	157840	97437	37996	181960	127433	48254	4983	23697	31.20	33.76	34.31
241	40592	40592	20663	3870	0	0	0	6175	9881	29.47	33.36	33.85
242	44552	44552	22184	5619	0	0	0	5890	10659	29.73	33.43	33.78
243	333800	155728	96975	36214	178072	124560	47237	5030	23784	31.29	33.98	34.50
244	43616	43616	22662	5226	0	0	0	6002	9726	29.39	33.37	33.79
245	46496	46496	22614	7071	0	0	0	6001	10810	29.71	33.27	33.78
246	332048	149392	91302	35289	182656	128077	48262	5218	23900	31.33	34.02	34.53
247	44648	44648	22462	6178	0	0	0	5901	10107	29.56	33.47	33.61

>> NUMBER OF BITS AND SNR FOR EACH FIELD
>> CODING SEQUENCE ... Popple
>> TARGET ... 9.0000 Mbps

SNPP-0

		(	P,B PART	)	(	I PART	)					
num	ALL	TOTAL	PIC_Y	PIC_C	TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
0	323560	210664	126076	61399	112896	80182	26653	1384	27866	36.29	40.87	40.83
1	92480	92480	45668	27120	0	0	0	9066	10626	33.25	37.78	38.09
2	89320	89320	43869	22100	0	0	0	12861	10490	33.41	38.20	38.46
3	402064	196984	120754	54620	205080	148990	50157	5290	22253	36.36	40.56	40.49
4	90264	90264	43919	23049	0	0	0	12748	10548	33.44	37.94	38.31
5	86984	86984	41510	22283	0	0	0	12714	10477	33.37	37.88	38.23
6	297784	128280	73202	35388	169504	122353	41183	9252	16406	35.43	39.66	39.81
7	73296	73296	32157	18243	0	0	0	12456	10440	32.90	37.29	37.68
8	74240	74240	33348	17966	0	0	0	12568	10358	32.78	37.14	37.68
9	297072	136736	78138	38596	160336	116297	38109	9242	16690	35.41	39.41	39.51
10	72120	72120	31411	17939	0	0	0	12491	10279	32.91	36.97	37.48
11	72048	72048	32509	16876	0	0	0	12331	10332	32.79	37.06	37.52
12	286048	112224	64427	32184	173824	125643	42213	9029	15552	35.05	38.91	39.14
13	70576	70576	30009	17593	0	0	0	12557	10417	32.82	36.91	37.50
14	68936	68936	30333	15738	0	0	0	12565	10300	32.78	36.98	37.53
15	277376	114536	62531	32797	162840	117145	39439	9256	15908	35.00	38.85	39.03
16	89192	89192	42133	23717	0	0	0	12581	10761	33.18	37.26	37.64
17	86632	86632	40898	22642	0	0	0	12328	10764	33.10	37.26	37.70
18	281352	116368	64151	33212	164984	118776	40276	9093	15844	34.98	38.78	39.04
19	72320	72320	31321	18380	0	0	0	12081	10538	32.76	36.84	37.36
20	71360	71360	29846	18531	0	0	0	12472	10511	32.67	36.56	37.28
21	301144	137288	77213	40581	163856	118177	39775	8806	16592	35.36	39.21	39.37
22	73048	73048	30595	19422	0	0	0	12532	10499	32.71	36.64	37.25
23	74872	74872	32703	19623	0	0	0	11942	10604	32.54	36.69	37.39
24	283576	117440	65631	32509	166136	120611	39523	9164	16138	34.90	38.65	38.96
25	72832	72832	31854	18191	0	0	0	12219	10568	32.56	36.65	37.21
26	73984	73984	31803	19231	0	0	0	12411	10539	32.59	36.65	37.25
27	284328	117856	65155	33387	166472	120183	40327	9112	16164	34.95	38.70	38.89
28	88064	88064	41576	23595	0	0	0	12079	10814	33.04	37.19	37.69
29	87616	87616	41546	22874	0	0	0	12371	10825	32.99	37.27	37.68
30	276584	119696	66108	34437	156888	112865	38052	8940	16182	34.95	38.73	38.92
31	70176	70176	29646	18120	0	0	0	11966	10444	32.73	36.84	37.25
32	71360	71360	30266	18344	0	0	0	12182	10568	32.64	36.71	37.25
33	310304	137968	77837	40319	172336	124437	41923	9068	16720	35.42	39.20	39.33
34	72160	72160	30957	18428	0	0	0	12258	10517	32.66	36.85	37.28
35	70488	70488	29749	17756	0	0	0	12375	10608	32.62	36.82	37.30
36	279752	116432	64300	32784	163320	117308	40003	9227	16130	34.97	38.80	38.96
37	70336	70336	28729	18817	0	0	0	12270	10520	32.73	36.77	37.23
38	71984	71984	29663	19300	0	0	0	12373	10628	32.73	36.72	37.23
39	281912	115560	63604	32814	166352	119466	40946	9106	15976	35.00	38.82	39.01
40	72648	72648	30995	18517	0	0	0	12534	10602	32.64	36.75	37.28
41	71672	71672	30591	18335	0	0	0	12283	10463	32.70	36.87	37.31
42	277408	117256	64694	33387	160152	114330	39935	9241	15821	35.07	38.87	39.04
43	72264	72264	29674	19703	0	0	0	12377	10510	32.82	36.81	37.19
44	70720	70720	29106	18454	0	0	0	12660	10500	32.78	36.84	37.37
45	287152	115088	63904	31904	172064	123278	42862	9232	15972	35.04	38.91	39.04
46	88632	88632	39763	25650	0	0	0	12371	10828	33.30	37.25	37.75
47	88608	88608	39749	25722	0	0	0	12320	10817	33.24	37.34	37.81
48	276752	113648	61954	32432	163104	116790	40399	9301	15876	35.12	38.90	39.11
49	71864	71864	29696	19277	0	0	0	12259	10632	32.99	36.95	37.37
50	72088	72088	31273	17815	0	0	0	12474	10526	32.83	37.00	37.52
51	303240	135624	76607	38986	167616	119726	41966	9295	16660	35.54	39.42	39.54
52	75248	75248	33169	19418	0	0	0	12217	10444	32.96	37.11	37.51
53	73080	73080	31436	18675	0	0	0	12500	10469	32.92	37.10	37.62
54	273560	109808	60902	30053	163752	118132	39669	9237	15567	35.18	39.08	39.27
55	89728	89728	41492	25309	0	0	0	12314	10583	33.31	37.62	38.04
56	91360	91360	43721	24558	0	0	0	12347	10734	33.18	37.51	38.04
57	277160	112648	63005	30619	164512	119814	38792	9024	15906	35.05	39.06	39.24
58	74424	74424	32413	19139	0	0	0	12493	10579	32.93	37.18	37.70

SNPP-1

		(	P,B PART	)	(	I PART	)					
num	ALL	TOTAL	PIC_Y	PIC_C	TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
59	71016	71016	29090	18882	0	0	0	12640	10404	32.88	37.08	37.59
60	288864	129336	72857	36767	159528	114828	38744	9068	16600	35.56	39.65	39.75
61	71536	71536	28839	19962	0	0	0	12219	10476	32.94	37.10	37.65
62	73440	73440	30323	20296	0	0	0	12295	10526	32.98	37.07	37.67
63	279968	111840	62126	30834	168128	121789	40396	9106	15717	35.13	39.09	39.25
64	88024	88024	39433	25423	0	0	0	12608	10560	33.44	37.58	37.98
65	86288	86288	39049	24142	0	0	0	12373	10724	33.30	37.50	37.95
66	272272	111464	62332	30175	160808	116359	38415	9171	15790	35.17	39.05	39.36
67	72832	72832	30859	19312	0	0	0	12230	10431	32.98	37.17	37.65
68	73792	73792	31066	19590	0	0	0	12712	10424	32.91	37.10	37.69
69	305336	134312	75578	35957	171024	123847	41252	9115	16587	35.57	39.58	39.70
70	88536	88536	40629	24830	0	0	0	12242	10835	33.31	37.49	37.96
71	87192	87192	39931	24573	0	0	0	11880	10808	33.39	37.52	38.05
72	280640	114224	64365	30875	166416	120520	39919	9042	15913	35.14	39.00	39.27
73	70160	70160	28763	18633	0	0	0	12280	10484	33.00	37.08	37.66
74	70216	70216	29063	18552	0	0	0	12119	10482	32.84	36.90	37.58
75	292336	130744	73838	37035	161592	115982	39636	9120	16725	35.54	39.43	39.62
76	87400	87400	40334	23806	0	0	0	12428	10832	33.38	37.48	37.99
77	85096	85096	37584	24431	0	0	0	12331	10750	33.37	37.44	37.88
78	279096	110336	60696	30571	168760	121610	41193	9239	15787	35.12	38.93	39.21
79	70112	70112	28641	18782	0	0	0	12167	10522	33.02	36.94	37.54
80	70352	70352	28886	18645	0	0	0	12134	10687	32.87	36.87	37.61
81	297288	132312	73323	39128	164976	119075	39861	8967	16934	35.54	39.36	39.56
82	86216	86216	38229	24917	0	0	0	12212	10858	33.30	37.26	37.83
83	87720	87720	39310	25596	0	0	0	11944	10870	33.26	37.24	37.80
84	278792	113848	63675	31136	164941	118479	40470	9147	15885	35.07	38.86	39.21
85	72376	72376	29649	20077	0	0	0	12015	10635	32.83	36.75	37.33
86	70976	70976	29290	18826	0	0	0	12237	10623	32.80	36.75	37.52
87	300680	133352	74185	39413	167328	120378	40973	8880	16851	35.50	39.21	39.49
88	87592	87592	39325	25295	0	0	0	12029	10943	33.30	37.19	37.80
89	88744	88744	40605	25287	0	0	0	11944	10908	33.22	37.09	37.75
90	272416	113296	63838	30705	159120	114552	38616	8673	15832	35.04	38.80	39.15
91	70768	70768	29075	19042	0	0	0	12011	10640	32.89	36.69	37.26
92	69800	69800	27834	18950	0	0	0	12288	10728	32.77	36.67	37.45
93	304760	136128	76444	40421	168632	122399	40236	8537	16723	35.50	39.19	39.41
94	86080	86080	38090	24871	0	0	0	12126	10993	33.24	37.22	37.71
95	84152	84152	37470	23619	0	0	0	12251	10812	33.25	37.23	37.78
96	275468	113296	61826	32358	162192	116871	39315	9074	16044	35.02	38.75	39.06
97	70296	70296	27755	20048	0	0	0	11804	10689	32.84	36.74	37.26
98	71096	71096	27980	20314	0	0	0	12173	10629	32.69	36.66	37.29
99	302336	133848	75201	38985	168488	121077	41439	8919	16721	35.42	39.20	39.42
100	86624	86624	39496	24425	0	0	0	11894	10809	33.21	37.27	37.76
101	83296	83296	37077	23492	0	0	0	11923	10804	33.30	37.36	37.79
102	279160	115008	63459	32474	164152	116339	41819	9103	15966	35.12	38.81	39.19
103	71544	71544	27967	20905	0	0	0	12084	10568	33.00	36.79	37.27
104	72784	72784	30748	18992	0	0	0	12311	10735	32.65	36.75	37.30
105	304080	135640	75845	39684	165440	121433	41040	9035	16843	35.47	39.23	39.52
106	89608	89608	41572	25464	0	0	0	11713	10859	33.21	37.13	37.70
107	88256	88256	42538	22632	0	0	0	12207	10879	33.00	37.33	37.70
108	279024	118816	66312	33551	160208	113715	40506	9058	15862	35.07	38.68	39.21
109	72808	72808	31759	18423	0	0	0	12212	10414	32.73	36.90	37.52
110	74040	74040	34067	17215	0	0	0	12296	10462	32.47	36.99	37.62
111	303120	140848	82851	37946	162272	116683	39625	9351	16658	35.49	39.46	39.63
112	91840	91840	46319	22250	0	0	0	12596	10675	33.22	37.47	38.02
113	91456	91456	43991	23808	0	0	0	12855	10802	33.11	37.46	37.91
114	278936	115152	65748	30281	163784	117140	40691	9398	15676	35.11	39.06	39.26
115	74016	74016	34201	16840	0	0	0	12686	10289	32.84	37.15	37.80
116	71792	71792	31570	17193	0	0	0	12655	10374	32.85	37.19	37.70
117	287840	128840	73775	34886	159000	113416	39679	9520	16564	35.54	39.58	39.69
118	90688	90688	40386	20797	0	0	0	13070	10435	33.21	37.70	38.29
119	83448	83448	38977	21186	0	0	0	12830	10453	33.50	37.70	38.38
120	281504	100552	53726	27846	180952	129277	45175	9506	15376	35.21	39.22	39.53
121	71448	71448	31819	16167	0	0	0	13148	10284	33.06	37.23	38.04

SNMC-4

		(	P,B PART	)	(	I PART	)					
num	ALL	TOTAL	PIC_Y	PIC_C	TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
248	48688	48688	24845	7461	0	0	0	5821	10561	29.55	33.24	33.68
249	327016	147904	89937	35727	179112	125644	47269	4917	23522	31.37	34.04	34.59
250	46616	46616	21721	8289	0	0	0	5793	10813	29.60	33.19	33.68
251	49792	49792	26271	7092	0	0	0	5717	10712	29.62	33.20	33.61
252	335008	155128	93418	39325	179880	125964	47696	5035	23570	31.29	33.96	34.44
253	56952	56952	25612	12055	0	0	0	5561	13724	29.27	32.47	32.86
254	64376	64376	25403	18495	0	0	0	5835	14643	29.25	31.92	32.26
255	337656	159984	95056	42637	177672	124406	47073	5048	23436	31.40	33.79	34.40
256	61360	61360	23845	17046	0	0	0	5978	14493	29.34	32.01	32.34
257	65872	65872	25100	20063	0	0	0	5652	15057	29.69	31.74	32.23
258	347288	162752	91546	48780	184536	128279	50020	5275	23388	31.43	33.73	34.29
259	66296	66296	23720	21605	0	0	0	5908	15063	29.68	31.76	32.22
260	56392	56392	22793	13343	0	0	0	5924	14332	29.63	32.25	32.69
261	347472	167320	95743	49093	180152	125420	48484	5149	23583	31.53	33.81	34.42
262	55960	55960	20180	16089	0	0	0	5888	13803	29.76	32.23	32.76
263	49896	49896	21789	9084	0	0	0	5646	13377	29.68	32.53	33.01
264	330032	152352	90788	38954	177680	123846	47643	5215	23586	31.51	34.04	34.65
265	40232	40232	18257	5401	0	0	0	5967	10607	29.73	33.13	33.72
266	42016	42016	18460	5814	0	0	0	5920	11822	30.07	33.04	33.56
267	323128	144560	84396	37324	178568	124420	47972	5217	23799	31.54	34.02	34.66
268	41368	41368	19567	5040	0	0	0	6047	10714	29.91	33.35	33.85
269	40504	40504	18633	5422	0	0	0	5844	10605	30.35	33.48	34.14
270	319720	140104	84340	33334	179616	124478	48991	5018	23559	31.61	34.15	34.77
271	37888	37888	16529	4986	0	0	0	5899	10474	30.16	33.25	33.85
272	38832	38832	16875	5506	0	0	0	5879	10572	30.37	33.53	34.09
273	366904	180784	110226	47967	186120	128905	50953	4799	24054	32.02	34.48	35.15
274	40304	40304	19036	4969	0	0	0	5828	10471	30.07	33.40	33.82
275	60664	60664	21014	19977	0	0	0	5632	14041	30.48	32.58	33.19
276	357680	181880	113374	45820	175800	121793	47661	4669	24363	32.01	34.55	35.09
277	38768	38768	17970	4813	0	0	0	5748	10237	30.14	33.73	34.24
278	48400	48400	19708	11343	0	0	0	5589	11760	30.78	33.34	33.70
279	351848	171784	108722	40624	180064	124887	48959	4718	23938	31.86	34.48	35.11
280	40896	40896	18578	5923	0	0	0	5692	10703	30.81	33.81	34.30
281	38960	38960	17654	5123	0	0	0	5442	10741	30.57	33.77	34.30
282	386960	207600	120642	64817	179360	124443	48738	4456	23864	31.92	34.11	34.74
283	38856	38856	20064	3525	0	0	0	5385	9882	30.41	33.96	34.61
284	40568	40568	20667	4550	0	0	0	5611	9740	30.28	33.71	34.25
285	358984	180824	114629	43778	178160	123662	48270	4671	23974	31.77	34.36	34.99
286	40776	40776	22897	3010	0	0	0	5516	9353	30.40	33.86	34.37
287	43648	43648	24279	4095	0	0	0	5329	9945	30.44	33.88	34.41
288	362688	176696	110937	43430	185992	128897	50884	4464	24076	31.79	34.30	34.86
289	40360	40360	23019	2753	0	0	0	5159	9429	30.40	34.06	34.63
290	47552	47552	26297	5164	0	0	0	5481	10610	30.34	33.81	34.26
291	400528	221256	138514	60116	179272	124756	48334	4596	24212	32.27	34.65	35.26
292	43192	43192	24100	4242	0	0	0	5483	9367	30.54	34.12	34.66
293	51312	51312	23603	9666	0	0	0	5289	12754	30.68	33.00	33.46
294	405584	229264	138603	68121	176320	122399	47748	4590	24123	32.32	34.62	35.19
295	46136	46136	25386	4683	0	0	0	5528	10539	30.43	33.99	34.51
296	67992	67992	35151	12542	0	0	0	6184	14115	29.69	33.20	33.57
297	422512	241504	137323	81975	181008	125564	49298	4488	23864	32.27	34.30	34.93
298	57304	57304	33078	6805	0	0	0	6283	11138	29.89	33.79	34.19
299	24168	24168	4250	7004	0	0	0	2767	10147	30.76	33.32	33.71

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num	ALL	(P.B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
122	75080	75080	36151	15962	0	0	0	12832	10135	32.54	37.25	38.16
123	281616	123584	69752	33836	158032	113213	38952	9404	16459	35.63	39.67	39.91
124	94200	94200	49246	21217	0	0	0	13119	10618	33.01	37.65	38.41
125	97232	97232	51857	21258	0	0	0	13451	10666	32.91	37.65	38.40
126	273176	103376	56493	27185	169800	121983	41923	9892	15700	35.31	39.34	39.77
127	99016	99016	53605	21422	0	0	0	13201	10788	32.95	37.74	38.52
128	95320	95320	49899	21380	0	0	0	13282	10759	33.24	37.84	38.61
129	267488	113032	61963	31095	154456	110392	38104	9636	16298	35.68	39.81	40.12
130	77368	77368	36983	16318	0	0	0	13501	10566	32.55	37.39	38.23
131	79992	79992	39270	16745	0	0	0	13488	10489	32.54	37.42	38.18
132	300832	122936	70224	32282	177896	127325	44631	9990	16380	35.75	39.92	40.25
133	89416	89416	45311	20133	0	0	0	13261	10711	33.37	37.97	38.76
134	85256	85256	41610	19703	0	0	0	13324	10619	33.55	38.02	38.68
135	269264	103912	56042	28121	165352	117866	41520	9977	15738	35.38	39.39	39.82
136	85784	85784	42491	19166	0	0	0	13540	10587	33.52	37.86	38.69
137	88640	88640	44955	19213	0	0	0	13837	10635	33.53	38.16	38.77
138	273280	119272	65857	32943	154008	107961	40033	9950	16536	35.78	39.93	40.32
139	86368	86368	42065	20468	0	0	0	13204	10631	33.58	38.05	38.85
140	87640	87640	42751	19999	0	0	0	13946	10944	33.76	38.05	38.85
141	295544	116976	62548	33527	178568	123974	48568	10229	16698	35.89	40.03	40.38
142	87344	87344	41281	21082	0	0	0	14027	10954	33.80	38.19	38.86
143	84896	84896	39048	20818	0	0	0	14098	10932	33.88	38.20	38.93
144	278392	116704	61797	33547	161688	109639	46149	10506	16754	35.99	40.22	40.46
145	79816	79816	35775	19259	0	0	0	13969	10813	34.06	38.40	38.99
146	81544	81544	35419	20875	0	0	0	14321	10929	34.27	38.28	38.91
147	282152	110632	55589	33112	171520	114859	50724	10773	17095	36.10	40.28	40.57
148	85632	85632	38014	22491	0	0	0	14413	10714	34.38	38.51	39.01
149	88640	88640	39666	23247	0	0	0	14905	10822	34.40	38.49	38.99
150	273648	107896	52833	32762	165752	108322	51508	11254	16969	36.21	40.54	40.70
151	84152	84152	35537	23063	0	0	0	14646	10906	34.53	38.60	39.09
152	83136	83136	34289	22750	0	0	0	15043	11054	34.55	38.65	39.04
153	274688	100384	46233	31197	174304	110895	57515	11679	17169	36.29	40.56	40.69
154	88640	88640	38335	23822	0	0	0	15326	11157	34.87	39.09	39.37
155	91536	91536	40306	24245	0	0	0	15654	11331	34.97	39.23	39.46
156	255352	96760	42405	31462	158592	98081	54623	11906	16875	36.34	40.66	40.69
157	77000	77000	28577	21841	0	0	0	15722	10860	34.92	38.79	39.10
158	79312	79312	30025	22635	0	0	0	15571	11075	34.92	38.82	39.15
159	260712	105984	48140	33057	154728	95490	53308	11914	18803	36.47	41.06	40.85
160	88232	88232	34832	26319	0	0	0	15963	11118	35.07	39.23	39.39
161	92288	92288	37696	27076	0	0	0	16127	11389	35.13	39.23	39.35
162	254984	93448	38626	30951	161536	99508	56137	12377	17385	36.40	40.78	40.68
163	81224	81224	29748	24222	0	0	0	16272	10982	35.02	38.98	39.17
164	86312	86312	32618	25865	0	0	0	16559	11270	35.07	39.01	39.12
165	276328	101552	42682	32931	174776	106626	62382	12378	19329	36.57	40.99	40.99
166	94680	94680	37646	29079	0	0	0	16605	11350	35.12	39.27	39.57
167	97256	97256	39479	29580	0	0	0	16863	11334	35.19	39.34	39.43
168	253144	87424	33299	29203	165720	100204	59669	12584	18185	36.49	40.81	40.74
169	85224	85224	31317	26284	0	0	0	16443	11180	35.11	38.94	39.12
170	89024	89024	32861	27912	0	0	0	16751	11500	35.19	39.04	39.29
171	265744	101424	41253	32616	164320	99826	58701	12453	20895	36.62	41.16	40.97
172	91464	91464	32136	30768	0	0	0	17003	11557	35.17	38.91	39.13
173	95464	95464	34573	31966	0	0	0	17217	11708	35.32	39.07	39.25
174	258432	91544	33800	31660	166888	99565	61589	12846	18972	36.68	41.01	40.95
175	82688	82688	26969	26918	0	0	0	17145	11656	34.93	38.26	38.61
176	81568	81568	27442	24829	0	0	0	17609	11688	34.84	38.18	38.58
177	267440	97040	36919	31896	170400	103092	61480	13636	20417	36.51	40.73	40.69
178	90808	90808	29357	31400	0	0	0	17814	12229	34.71	37.90	38.32
179	86832	86832	28547	28093	0	0	0	17735	12457	34.63	37.92	38.18
180	234648	85888	29972	28852	148760	86930	55881	13612	19401	36.24	40.09	40.33
181	85726	85728	26538	28784	0	0	0	17670	12736	34.46	37.36	37.91
182	84784	84784	27582	27279	0	0	0	17285	12638	34.36	37.57	38.15
183	244416	90568	34455	28185	153848	92738	55126	13939	19973	36.07	40.00	40.23
184	95792	95792	32190	33135	0	0	0	17556	12911	34.21	37.40	37.93

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num	ALL	(P.B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
185	94576	94576	31670	31851	0	0	0	18069	12986	34.22	37.40	37.87
186	257016	77024	24969	23912	179992	109652	64457	14154	19872	35.91	39.57	39.93
187	98272	98272	33032	33851	0	0	0	18062	13327	33.98	36.96	37.60
188	100176	100176	36407	31849	0	0	0	18147	13773	33.75	37.05	37.65
189	264800	89192	34786	26078	175608	110037	59531	13990	20378	35.53	39.22	39.53
190	101176	101176	36376	33064	0	0	0	18013	13723	33.22	36.57	37.10
191	102512	102512	37880	32688	0	0	0	17860	14084	33.24	36.49	36.99
192	260080	96984	39014	29430	163096	101992	55064	13834	20746	35.34	38.92	39.28
193	91032	91032	32793	26481	0	0	0	17598	14160	32.55	35.88	36.34
194	91840	91840	33534	26590	0	0	0	17686	14030	32.61	36.30	36.63
195	257560	89384	36383	24648	168176	106763	55431	13653	20682	34.86	38.50	38.82
196	100736	100736	34870	33563	0	0	0	17659	14644	32.53	35.92	36.54
197	101104	101104	36651	31843	0	0	0	17855	14755	32.55	36.14	36.56
198	249184	85336	33175	22737	163848	103273	54555	14267	21177	34.78	38.15	38.68
199	89824	89824	30995	26255	0	0	0	17737	14837	31.91	35.34	35.97
200	92336	92336	32794	26029	0	0	0	18405	15108	31.70	35.23	35.60
201	256960	92024	39967	22145	164936	105254	53657	14271	21666	34.26	37.62	37.95
202	98936	98936	33190	31695	0	0	0	18188	15863	31.71	34.91	35.37
203	99056	99056	35147	29277	0	0	0	18542	16090	31.69	34.96	35.45
204	243744	81752	32160	19550	161992	102005	53714	14415	21900	33.99	37.09	37.58
205	98560	98560	36333	28148	0	0	0	18152	15927	31.24	35.03	35.51
206	100872	100872	36653	29665	0	0	0	18383	16171	31.30	34.87	35.37
207	255920	90064	38099	21574	165856	105254	54275	14451	22267	33.74	36.93	37.23
208	103768	103768	36381	33099	0	0	0	18039	16249	31.38	34.65	35.12
209	100328	100328	36541	29113	0	0	0	18468	16206	31.41	34.67	35.21
210	249432	85224	33795	21036	164208	103293	54678	14148	22482	33.81	36.73	37.25
211	101840	101840	37561	29978	0	0	0	18261	16040	31.27	34.68	35.36
212	102768	102768	36380	31066	0	0	0	18701	16621	31.17	34.61	34.97
213	250464	81792	31392	19952	168672	107395	54954	14039	22732	33.62	36.62	36.97
214	108136	108136	37277	35648	0	0	0	18233	16978	31.28	34.42	34.91
215	101056	101056	33925	31632	0	0	0	18904	16595	31.40	34.48	34.99
216	252112	83688	32642	20186	168424	107248	54843	13830	23363	33.73	36.73	37.20
217	100264	100264	36393	29505	0	0	0	17802	16564	31.32	34.61	35.07
218	112056	112056	43328	33371	0	0	0	18269	17088	31.25	34.71	35.09
219	251072	83920	30372	21642	167152	107155	53575	14468	23860	33.75	36.47	37.04
220	111304	111304	39358	35971	0	0	0	18645	17330	31.41	34.35	34.89
221	102544	102544	36566	29455	0	0	0	19320	17203	31.52	34.51	34.95
222	249216	86560	30450	23370	162656	103165	52934	14816	24181	33.80	36.63	37.13
223	102328	102328	36282	30181	0	0	0	19049	16814	31.31	34.41	34.85
224	106288	106288	39134	30912	0	0	0	19145	17097	31.34	34.57	35.10
225	247056	85720	28747	23493	161336	101598	53308	15252	24658	33.86	36.49	37.00
226	106088	106088	35974	32884	0	0	0	19876	17354	31.56	34.12	34.83
227	99768	99768	34557	28161	0	0	0	19986	17064	31.63	34.35	34.91
228	242528	78664	24274	22131	163864	103565	53885	14941	23752	34.10	36.61	37.18
229	97152	97152	34762	26563	0	0	0	19623	16204	31.52	34.57	35.08
230	101352	101352	36704	28193	0	0	0	19333	17122	31.46	34.50	34.98
231	243408	73208	21347	19270	170200	107541	56218	15043	23989	34.05	36.49	37.14
232	100688	100688	33547	30870	0	0	0	19414	16857	31.82	34.30	35.01
233	99368	99368	33519	29645	0	0	0	19001	17203	31.71	34.27	34.85
234	231312	69104	20570	17436	162208	102726	53093	14466	23021	33.86	36.21	36.68
235	101112	101112	37266	27698	0	0	0	19634	16514	31.34	34.35	34.78
236	109216	109216	40926	30777	0	0	0	20161	17352	31.14	34.27	34.73
237	241192	74488	24440	18018	166704	106658	53626	14983	23467	33.59	36.14	36.67
238	108256	108256	36721	34004	0	0	0	20032	17499	31.13	33.86	34.48
239	105384	105384	37008	31221	0	0	0	19595	17560	31.22	33.96	34.51
240	249368	83832	28946	22273	165536	107173	51961	14945	24070	33.44	36.00	36.47
241	99048	99048	35562	27282	0	0	0	19062	17142	30.43	33.81	34.24
242	103352	103352	38790	28915	0	0	0	18707	16940	30.15	33.85	34.20
243	253296	89280	33686	22746	164016	107499	50118	14876	24371	33.11	35.93	36.43
244	107280	107280	37385	32509	0	0	0	19764	17622	30.39	33.55	34.13
245	102104	102104	36370	29051	0	0	0	19309	17374	30.38	33.67	34.10
246	246400	81304	29250	19581	165096	106614	52246	14863	23846	32.92	35.65	36.14
247	103304	103304	40056	27405	0	0	0	18833	17010	30.05	33.67	34.06

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num	ALL	(P.B PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	MV	ETC	SN(y)	SN(b)	SN(r)
248	107856	107856	42518	28707	0	0	0	19349	17282	29.97	33.81	34.11
249	251456	84560	31656	19677	166896	109492	51155	15339	24137	32.73	35.56	36.08
250	107816	107816	38505	31851	0	0	0	19399	17861	30.27	33.34	33.99
251	105568	105568	38303	30094	0	0	0	19316	17855	30.35	33.52	34.06
252	246504	82256	29645	19734	164248	105958	51948	15087	24132	32.95	35.80	36.26
253	99936	99936	36764	26969	0	0	0	18971	17232	30.13	33.65	34.06
254	104768	104768	38937	29153	0	0	0	19059	17619	30.08	33.66	34.08
255	249608	86496	31742	21278	163112	106918	49746	15397	24527	32.80	35.68	36.17
256	102984	102984	36809	29260	0	0	0	19535	17380	30.24	33.51	33.99
257	101200	101200	35322	28871	0	0	0	19324	17683	30.15	33.45	33.86
258	249560	82984	29003	20192	166576	108099	52073	15435	24758	32.90	35.84	36.31
259	97480	97480	36389	25183	0	0	0	19352	16556	29.95	33.66	33.94
260	104056	104056	39980	27574	0	0	0	19514	16988	29.84	33.56	33.94
261	249112	81200	28820	19112	167912	110263	51345	15493	24079	32.76	35.58	35.91
262	104680	104680	37425	29873	0	0	0	19500	17884	30.09	33.41	33.99
263	102136	102136	36447	28249	0	0	0	19973	17467	30.28	33.50	34.04
264	247080	83144	28921	20230	163936	106721	50855	15771	24582	32.99	35.76	36.25
265	104600	104600	39068	28624	0	0	0	19490	17418	29.67	33.38	33.76
266	100688	100688	38866	26134	0	0	0	18443	17245	29.71	33.59	33.95
267	245944	85912	32076	20887	160032	104230	49423	15152	24176	32.70	35.70	36.03
268	101416	101416	37326	27284	0	0	0	19247	17559	29.79	33.45	33.77
269	101176	101176	35638	28131	0	0	0	19751	17676	30.16	33.57	33.96
270	255984	83600	29321	20351	172384	112397	53639	15439	24837	32.76	35.83	36.10
271	104080	104080	41170	26357	0	0	0	19360	17193	29.62	33.70	33.94
272	102960	102960	40190	26241	0	0	0	19325	17204	29.57	33.51	33.75
273	251512	90456	34602	22269	161056	105374	49303	15276	24688	32.34	35.56	35.78
274	102432	102432	38738	27168	0	0	0	18586	17940	29.69	33.33	33.72
275	104728	104728	39620	27895	0	0	0	19486	17727	29.84	33.45	33.81
276	258272	88840	34141	21135	169432	111744	53269	15159	24824	32.60	35.79	36.20
277	99560	99560	38090	25656	0	0	0	18824	16990	29.34	33.32	33.76
278	97032	97032	36402	24452	0	0	0	19064	17114	29.39	33.30	33.69
279	246712	85784	31466	21056	160928	104119	50398	15366	24307	32.62	35.65	36.13
280	96576	96576	33828	26103	0	0	0	19312	17333	29.71	33.14	33.77
281	97352	97352	33928	26239	0	0	0	19612	17573	29.93	33.23	33.78
282	242432	77744	25409	18591	164688	106314	52031	15675	24412	32.60	35.40	35.79
283	107440	107440	42023	28657	0	0	0	19172	17588	29.71	33.36	33.96
284	103896	103896	41704	25750	0	0	0	19085	17357	29.62	33.55	33.98
285	247712	78152	27050	17315	169560	110197	52941	15517	24692	32.41	35.36	35.78
286	96400	96400	35171	24418	0	0	0	19392	17419	29.70	33.18	33.84
287	97952	97952	35043	25206	0	0	0	19910	17793	29.72	33.21	33.57
288	243344	83584	29124	21079	159760	102351	50929	15257	24604	32.72	35.63	35.97
289	100584	100584	37844	26455	0	0	0	19090	17195	29.45	33.31	33.72
290	103040	103040	39718	26410	0	0	0	19345	17567	29.45	33.29	33.71
291	245688	77272	26785	17356	168416	110471	51553	15175	24348	32.50	35.43	35.87
292	101728	101728	36920	27494	0	0	0	19793	17523	29.96	33.45	33.99
293	101480	101480	36898	27063	0	0	0	19622	17897	30.06	33.45	33.92
294	237544	74944	23708	18091	162600	104960	51248	15473	24064	32.54	35.24	35.72
295	108112	108112	42107	29130	0	0	0	19273	17602	29.77	33.47	33.93
296	109784	109784	44505	29079	0	0	0	19070	17130	29.54	33.49	34.02
297	257128	87576	32841	20884	169552	112385	50801	15477	24740	32.41	35.48	36.00
298	94608	94608	37331	21591	0	0	0	18383	17303	29.67	33.50	34.15
299	50648	50648	1527	24814	0	0	0	7666	16641	32.47	32.82	33.34

>> NUMBER OF BITS AND SNR FOR EACH FIELD
>> CODING SEQUENCE ... Table Tennis
>> TARGET ... 9.0000 Mbps

9MTI-0

		(	P,B PART	)	(	I PART	)					
num	ALL	TOTAL	PIC_Y	PIC_C	TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
0	322728	204952	170075	11591	117776	104414	7899	1354	27365	28.52	38.36	39.58
1	40488	40488	20516	2199	0	0	0	7126	10647	28.14	38.26	39.13
2	40248	40248	19329	1487	0	0	0	8373	11059	28.02	38.26	39.14
3	403440	204696	174601	6647	198744	178597	14764	5920	22911	29.76	38.57	39.94
4	39896	39896	19511	1323	0	0	0	8274	10788	27.55	38.22	39.17
5	36104	36104	16134	1258	0	0	0	8963	9769	28.21	38.48	39.47
6	357056	172088	142071	7646	184968	166007	13598	6921	20813	31.64	38.96	40.29
7	48320	48320	27251	832	0	0	0	7831	12406	28.24	38.63	39.52
8	39344	39344	19278	1032	0	0	0	7742	11292	28.85	38.65	39.43
9	356704	181272	155245	5211	175432	157402	12637	6160	20049	30.89	38.87	40.19
10	33832	33832	14655	1284	0	0	0	8522	9371	29.12	38.50	39.24
11	31816	31816	13262	1358	0	0	0	8127	9069	29.65	38.53	39.26
12	360272	185208	157877	5021	175064	157290	12399	7346	20339	30.92	38.70	39.94
13	35816	35816	15679	1687	0	0	0	8298	10152	29.29	38.50	39.38
14	42112	42112	20907	1507	0	0	0	8731	10967	28.75	38.35	39.14
15	342664	170376	139602	8342	172288	154405	12515	6939	20861	31.73	38.84	40.16
16	43168	43168	22156	1450	0	0	0	8668	10894	29.05	38.65	39.46
17	56072	56072	32478	1216	0	0	0	8718	13600	28.40	38.64	39.49
18	369936	194976	166269	8002	174960	156828	12770	5712	20355	31.64	39.00	40.29
19	37664	37664	17257	1956	0	0	0	8727	9724	29.32	38.65	39.43
20	66664	66664	41466	1717	0	0	0	9129	14352	28.16	38.58	39.45
21	393264	223656	192421	8499	169608	152141	12104	7630	20469	31.49	38.95	40.26
22	48760	48760	27085	1955	0	0	0	8221	11499	28.85	38.48	39.39
23	45376	45376	24366	1501	0	0	0	7941	11568	29.48	38.65	39.80
24	338152	161168	132595	6548	176984	159121	12505	6629	20754	31.81	38.86	40.27
25	64352	64352	39811	1891	0	0	0	9281	13369	28.30	38.55	39.62
26	52408	52408	31384	1208	0	0	0	8055	11761	29.07	38.68	39.70
27	347384	174200	143786	7195	173184	155392	12429	7194	20788	31.74	38.95	40.31
28	43904	43904	22972	1304	0	0	0	8561	11067	29.64	38.78	39.66
29	36240	36240	16532	1179	0	0	0	8438	10091	29.43	38.51	39.32
30	357840	179232	152279	6680	178608	160329	12896	5652	20004	31.75	38.99	40.34
31	46992	46992	25828	1422	0	0	0	8104	11638	28.38	38.46	39.15
32	34456	34456	14972	1058	0	0	0	8653	9773	28.95	38.56	39.35
33	333936	163384	133709	7140	170552	153336	11838	7222	20691	31.79	38.85	40.18
34	48664	48664	27153	1293	0	0	0	7757	12461	28.82	38.41	39.37
35	55192	55192	33382	1001	0	0	0	8518	12291	29.07	38.49	39.46
36	349768	175072	148655	5451	174696	157058	12265	6066	20273	31.02	38.66	39.96
37	42720	42720	22038	1168	0	0	0	8768	10746	28.95	38.41	39.22
38	39128	39128	19435	1055	0	0	0	8638	10000	28.94	38.43	39.23
39	343536	172528	141888	7898	171008	153709	12425	7314	20802	31.79	38.78	40.10
40	40368	40368	20867	862	0	0	0	8663	9876	28.88	38.45	39.27
41	46008	46008	24360	1115	0	0	0	9493	11040	29.02	38.46	39.17
42	335528	156760	129061	4898	178768	159784	13615	7625	20545	31.07	38.60	39.83
43	45144	45144	23631	1253	0	0	0	9040	11220	28.56	38.31	39.11
44	61400	61400	35291	1652	0	0	0	11327	13130	27.93	38.16	38.82
45	343256	173552	144879	5616	169704	151598	12737	8076	20350	30.97	38.48	39.81
46	78960	78960	52768	1080	0	0	0	11503	13609	26.28	38.15	39.19
47	59824	59824	35371	516	0	0	0	11123	12814	26.56	38.23	39.26
48	323136	147992	117846	5187	175144	156069	13678	9620	20736	31.15	38.77	40.17
49	86328	86328	56973	1956	0	0	0	13288	14131	26.89	38.47	39.64
50	56664	56664	31032	707	0	0	0	12140	12785	27.44	38.58	39.87
51	278712	111976	83449	2815	166736	147846	13533	10162	20907	30.28	38.94	40.26
52	74528	74528	47349	1718	0	0	0	12023	13438	28.40	38.85	40.01
53	56576	56576	31510	1212	0	0	0	11340	12514	28.96	39.05	40.24
54	298352	114264	85436	3121	184088	162023	16686	10255	20831	31.04	39.32	40.72
55	83496	83496	55050	2236	0	0	0	11903	14307	29.54	39.22	40.32
56	76848	76848	49550	1883	0	0	0	11320	14095	30.18	39.50	40.70
57	306216	140192	107681	6593	166024	145562	15090	10016	21274	32.16	39.72	41.02
58	69632	69632	43174	1383	0	0	0	11303	13772	30.19	39.51	40.60

9MTI-1

		(	P,B PART	)	(	I PART	)					
num	ALL	TOTAL	PIC_Y	PIC_C	TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
59	70720	70720	44357	1456	0	0	0	11250	13657	30.39	39.63	40.70
60	325960	146024	112224	8065	179936	157371	17174	9604	21522	33.09	40.12	41.46
61	74984	74984	47458	1672	0	0	0	11430	14424	30.90	39.81	40.99
62	76256	76256	48326	1936	0	0	0	11512	14482	31.09	39.92	41.02
63	288376	126912	93590	7104	161464	140254	15836	10269	21323	33.37	40.41	41.72
64	71048	71048	43948	1340	0	0	0	11604	14156	31.26	40.08	41.16
65	68584	68584	42054	1303	0	0	0	11382	13847	31.68	40.21	41.34
66	327632	146096	108641	10643	181536	156513	19640	10464	21731	34.13	40.72	41.96
67	65224	65224	38224	1482	0	0	0	11932	13586	31.99	40.42	41.46
68	65280	65280	38720	1411	0	0	0	11401	13748	32.05	40.41	41.43
69	311832	134840	96749	10629	176992	151180	20423	11056	21795	34.36	40.86	42.04
70	77632	77632	48726	2443	0	0	0	11782	14681	32.61	40.55	41.59
71	72792	72792	44531	2330	0	0	0	11290	14641	32.93	40.76	41.67
72	316168	121952	84527	9639	194216	164378	24455	11310	21859	34.65	41.34	42.25
73	71424	71424	42683	2563	0	0	0	11859	14319	33.09	40.82	41.82
74	68544	68544	40305	2411	0	0	0	11547	14281	33.38	40.93	41.86
75	309152	147576	104130	15308	161576	136461	19738	11541	21974	35.47	41.51	42.65
76	66800	66800	38445	2518	0	0	0	11724	14113	33.44	40.96	41.94
77	62832	62832	34827	2273	0	0	0	11807	13925	33.82	41.23	42.01
78	298784	131896	90183	13599	166888	140382	21135	11664	21821	35.71	41.63	42.69
79	64784	64784	36386	2613	0	0	0	11746	14039	33.83	41.17	41.95
80	60872	60872	32264	2680	0	0	0	12389	13539	34.10	41.22	42.10
81	289088	122520	80732	13655	166568	139038	22155	11596	21912	35.93	41.78	42.70
82	71520	71520	40220	4488	0	0	0	12223	14589	34.28	41.17	41.98
83	72312	72312	39735	5332	0	0	0	12451	14794	34.45	41.25	41.92
84	287192	116840	74246	14644	170352	141212	23752	11520	21818	36.08	41.72	42.63
85	74008	74008	40118	6210	0	0	0	12825	14855	34.56	41.25	41.84
86	72232	72232	38636	5645	0	0	0	13374	14577	34.81	41.38	41.97
87	319584	142904	90734	22891	176680	145766	25528	12359	22306	36.90	42.20	43.09
88	72680	72680	37565	7096	0	0	0	13581	14438	34.88	41.28	41.82
89	73648	73648	37512	7373	0	0	0	14101	14662	35.04	41.43	41.96
90	314176	138416	86401	22529	175760	144576	25817	12552	22301	37.02	42.32	43.12
91	76512	76512	39032	8251	0	0	0	14612	14617	35.11	41.45	41.95
92	75184	75184	38810	7757	0	0	0	14354	14263	35.20	41.55	42.01
93	309848	137232	85043	22271	172616	141803	25441	12820	22472	37.09	42.28	43.14
94	73280	73280	36028	8585	0	0	0	14363	14304	35.17	41.39	42.01
95	71288	71288	35297	7896	0	0	0	13686	14409	35.25	41.46	41.95
96	305376	133448	80931	22560	171928	140940	25608	12904	22433	37.15	42.31	43.14
97	75832	75832	37961	8904	0	0	0	14486	14481	35.26	41.29	41.91
98	75536	75536	38282	8790	0	0	0	14301	14363	35.37	41.35	41.95
99	303632	132288	78743	24172	171344	139724	26259	12417	22317	37.18	42.19	43.03
100	73456	73456	36469	8418	0	0	0	14303	14266	35.25	41.13	41.67
101	73480	73480	36435	8562	0	0	0	14152	14331	35.37	41.19	41.77
102	316840	138136	80885	27500	178704	144447	28891	12928	22189	37.16	42.05	42.77
103	77704	77704	39119	10109	0	0	0	14182	14294	35.36	41.03	41.47
104	79616	79616	41754	9883	0	0	0	13957	14022	35.33	41.03	41.48
105	323016	140248	82649	28562	182768	147597	29795	12248	22165	37.14	41.90	42.49
106	76576	76576	39994	8944	0	0	0	13621	14017	35.28	40.90	41.25
107	75280	75280	38454	9231	0	0	0	13809	13786	35.32	40.87	41.34
108	320288	144328	85454	30145	175960	141757	28833	12144	21975	37.20	41.82	42.43
109	75432	75432	39114	8928	0	0	0	13424	13966	35.32	40.80	41.31
110	75328	75328	39919	8014	0	0	0	13766	13629	35.31	40.92	41.37
111	316664	143264	85409	29291	173400	138927	29095	12032	21910	37.15	41.84	42.42
112	64360	64360	30471	7922	0	0	0	13155	12812	35.14	40.69	41.02
113	63176	63176	30275	6856	0	0	0	13365	12680	35.10	40.67	41.06
114	321344	145144	86216	30633	176200	141569	29250	11732	21944	37.12	41.77	42.40
115	65216	65216	31790	7307	0	0	0	13298	12821	34.94	40.39	40.86
116	65424	65424	32182	7174	0	0	0	13284	12784	34.90	40.39	40.72
137	294976	113656	64189	23855	181320	146377	29554	11367	21634	36.49	41.23	41.86
118	65400	65400	31584	7805	0	0	0	13196	12815	34.78	40.19	40.75
119	62512	62512	30164	6769	0	0	0	12982	12597	34.86	40.36	40.83
120	286496	117200	66478	22673	169296	136802	27136	11776	21631	36.43	41.21	41.83
121	74080	74080	39091	8022	0	0	0	12980	13987	34.94	40.45	40.91

9MTI-2

		(	P,B PART	)	(	I PART	)					
num	ALL	TOTAL	PIC_Y	PIC_C	TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
122	72600	72600	38755	6863	0	0	0	12983	13997	35.03	40.52	40.95
123	291080	115232	65151	22523	175848	142457	28033	11415	21501	36.43	41.12	41.77
124	67648	67648	34505	7416	0	0	0	12634	13093	35.21	40.54	41.04
125	72576	72576	38714	8183	0	0	0	12571	13108	35.09	40.61	41.03
126	335960	157072	95092	33836	178888	145118	28386	11633	21895	36.96	41.50	42.23
127	59784	59784	29191	6016	0	0	0	12649	11928	34.81	40.33	40.81
128	57496	57496	26851	5867	0	0	0	12486	12292	34.75	40.36	40.65
129	323944	132256	74816	29249	191688	153224	32548	11211	22896	36.44	41.34	41.79
130	41760	41760	15610	3486	0	0	0	12366	10298	34.14	39.93	40.13
131	48928	48928	18547	4093	0	0	0	15462	10826	33.92	39.59	39.80
132	273424	101136	53752	20237	172288	137805	28446	11253	21931	35.70	40.73	41.13
133	82288	82288	42236	9826	0	0	0	16793	13433	33.89	39.69	39.92
134	52240	52240	18304	9500	0	0	0	13794	10642	32.82	38.44	38.52
135	348248	171984	102401	30423	176264	151181	19271	17115	27857	34.12	39.95	40.30
136	62528	62528	25187	12372	0	0	0	13418	11551	33.07	38.83	38.82
137	52208	52208	20806	12985	0	0	0	7424	10893	33.67	39.04	38.82
138	334616	163824	105711	30249	170792	145880	19112	11684	21980	34.54	39.94	40.30
139	59312	59312	25440	14601	0	0	0	7668	11603	33.69	39.16	38.98
140	58864	58864	24921	14355	0	0	0	7944	11644	33.80	39.21	39.19
141	324848	148554	95837	30638	176264	150462	20026	5961	21924	35.45	40.41	40.76
142	52384	52384	21526	11926	0	0	0	7823	11109	33.74	39.02	39.08
143	55448	55448	23600	12466	0	0	0	8039	11343	33.87	38.94	38.73
144	373936	197240	130467	43312	176696	150830	19999	6412	22916	36.08	40.70	41.17
145	59112	59112	25437	14298	0	0	0	7705	11672	33.91	39.10	38.86
146	61016	61016	27241	14508	0	0	0	7509	11758	34.08	39.04	38.98
147	315416	141728	89185	30106	173688	148252	19603	6233	22037	35.48	40.33	40.58
148	54680	54680	22955	12889	0	0	0	7403	11433	33.98	38.90	38.83
149	53688	53688	22543	12729	0	0	0	7231	11185	33.87	38.95	38.63
150	356376	186192	123470	42014	170184	145385	18950	5853	22704	36.16	40.65	41.08
151	56160	56160	24012	13637	0	0	0	6980	11531	33.84	39.03	38.62
152	59640	59640	26320	14538	0	0	0	6871	11911	34.07	39.00	38.81
153	324352	145472	91629	32198	178880	152436	20567	5505	22017	35.47	40.25	40.50
154	52224	52224	22222	12207	0	0	0	6742	11053	34.02	38.80	38.71
155	50944	50944	20454	12904	0	0	0	6534	11052	33.82	38.78	38.55
156	362176	190632	124128	44598	171544	146534	19124	5108	22684	36.12	40.53	41.01
157	49760	49760	20009	12395	0	0	0	6436	10920	33.81	38.75	38.48
158	49904	49904	20438	11833	0	0	0	6532	11101	33.93	38.63	38.55
159	324160	147816	91931	34543	176344	150507	19968	5024	22187	35.43	40.14	40.39
160	52264	52264	22583	12008	0	0	0	6667	11006	33.87	38.67	38.54
161	49960	49960	20241	11819	0	0	0	7017	10883	33.77	38.70	38.49
162	315360	143760	88725	33289	171600	146700	19031	5198	22417	35.45	40.10	40.39
163	56488	56488	24260	13823	0	0	0	6918	11489	33.85	38.83	38.67
164	56256	56256	24755	12872	0	0	0	7197	11432	34.02	38.81	38.71
165	324464	145016	89690	33284	179448	153440	20159	5458	22433	35.44	40.13	40.39
166	49856	49856	20800	10824	0	0	0	6554	11276	33.90	38.69	38.58
167	49944	49944	21110	10985	0	0	0	6821	11028	33.79	38.74	38.53
168	361728	193384	124744	46374	168344	144081	18117	5315	22791	36.15	40.55	41.02
169	47328	47328	19211	10545	0	0	0	6752	10820	33.84	38.72	38.53
170	50464	50464	21242	11547	0	0	0	6676	10999	33.94	38.68	38.68
171	318176	141136	86571	32533	177040	151488	19763	5334	22087	35.43	40.16	40.40
172	49648	49648	20849	11268	0	0	0	6685	10846	33.91	38.70	38.65
173	49544	49544	20618	11428	0	0	0	6679	10819	33.81	38.73	38.53
174	308544	138104	84711	31796	170440	145603	19015	5401	22018	35.43	40.07	40.39
175	54216	54216	23192	13035	0	0	0	6677	11312	33.87	38.79	38.61
176	54040	54040	22569	13551	0	0	0	6483	11437	34.04	38.82	38.71
177	322160	143704	88202	33778	178456	152919	19715	5223	22323	35.43	40.11	40.31
178	48024	48024	18319	12580	0	0	0	6318	10807	33.99	38.61	38.56
179	47816	47816	18013	12712	0	0	0	6287	10804	33.80	38.67	38.44
180	360136	189848	121864	46170	170288	145410	19026	4870	22790	36.10	40.50	40.96
181	46632	46632	17266	12370	0	0	0	6408	10588	33.77	38.64	38.37
182	47592	47592	17533	13005	0	0	0	6397	11057	33.95	38.54	38.44
183	320224	140944	85272	34476	179280	152850	20588	4822	22210	35.41	40.11	40.31
184	46224	46224	16147	10709	0	0	0	6472	10896	33.93	38.60	38.54

9MTI-3

		(	P,B PART	)	(	I PART	)					
num	ALL	TOTAL	PIC_Y	PIC_C	TOTAL	PIC_Y	PIC_C	MV	ETC	SN(y)	SN(b)	SN(r)
185	48448	48448	19264	11997	0	0	0	6329	10858	33.81	38.70	38.43
186	305296	136936	83371	31998	168360	144000	18513	5093	22321	35.42	40.12	40.41
187	52024	52024	20921	13423	0	0	0	6434	11246	33.86	38.87	38.65
188	52440	52440	21160	13205	0	0	0	6526	11549	34.02	38.80	38.68
189	319072	142304	87788	32875	176768	151779	19189	5128	22313	35.42	40.16	40.37
190	33384	33384	10482	6910	0	0	0	6546	9446	33.67	38.14	38.13
191	41448	41448	12052	6811	0	0	0	12738	9817	33.42	38.14	37.87
192	363888	191792	122854	46799	172096	147308	18907	5150	22870	36.07	40.50	40.91
193	51824	51824	18005	9707	0	0	0	13227	10885	33.41	38.25	37.90
194	73056	73056	37275	12804	0	0	0	12408	10569	31.96	38.48	38.42
195	416648	243784	173011	32089	172864	151873	15140	16669	27866	34.07	40.05	40.64
196	64768	64768	30424	11449	0	0	0	12417	10478	31.96	38.45	38.45
197	51936	51936	24703	11544	0	0	0	5611	10078	32.67	38.51	38.55
198	366344	185656	133505	25046	180688	158232	16616	10633	22312	33.82	39.61	40.05
199	61008	61008	30264	14261	0	0	0	5604	10879	32.93	38.76	38.96
200	61040	61040	29364	15290	0	0	0	5261	11125	33.10	38.87	38.83
201	313384	143528	101154	22035	169856	149150	14838	4143	22084	34.45	39.80	40.21
202	60056	60056	29881	13960	0	0	0	5293	10922	32.94	38.66	38.86
203	61672	61672	30188	15214	0	0	0	5399	10871	33.29	38.80	38.83
204	364728	183568	131966	30983	181160	158696	16645	3964	22474	35.15	39.96	40.53
205	57112	57112	27601	13800	0	0	0	5059	10652	33.37	38.77	38.75
206	62440	62440	31602	14463	0	0	0	5190	11185	33.28	38.82	38.83
207	342392	174424	121760	32388	167968	147661	14451	3801	22331	35.22	40.02	40.50
208	49248	49248	23951	10160	0	0	0	5050	10084	32.95	38.51	38.41
209	47664	47664	21751	10968	0	0	0	5052	9893	33.01	38.48	38.52
210	347304	166928	116140	30391	180176	157866	16459	3881	22367	35.26	39.97	40.43
211	47168	47168	21182	10885	0	0	0	5305	9906	33.00	38.50	38.49
212	47568	47568	21859	10529	0	0	0	4986	10194	32.92	38.38	38.27
213	300768	126760	83806	23190	174008	153276	14869	3791	21836	34.62	39.69	40.05
214	61296	61296	29740	15207	0	0	0	5227	11122	33.10	38.69	38.61
215	59464	59464	27945	15377	0	0	0	5212	10930	33.23	38.70	38.72
216	307712	133176	89551	23520	174536	153029	15667	3653	22092	34.61	39.61	39.92
217	57280	57280	26308	15234	0	0	0	5084	10654	33.19	38.80	38.72
218	56000	56000	24756	15380	0	0	0	4935	10929	33.17	38.70	38.51
219	351344	178624	125626	32815	172720	152487	14393	3723	22300	35.25	39.99	40.45
220	57360	57360	25808	15567	0	0	0	4900	11085	33.16	38.72	38.57
221	56128	56128	24982	15607	0	0	0	4722	10817	33.32	38.78	38.77
222	351472	178384	124708	33793	173088	152112	15165	3480	22214	35.23	39.95	40.42
223	41704	41704	16021	11306	0	0	0	4633	9744	33.10	38.48	38.35
224	41816	41816	16865	10423	0	0	0	4684	9844	33.00	38.40	38.26
225	337800	165064	114998	30207	172736	152382	14493	3362	22358	35.30	39.97	40.44
226	56688	56688	26029	14770	0	0	0	4754	11075	33.13	38.66	38.57
227	53944	53944	22970	15488	0	0	0	4821	10645	33.33	38.73	38.72
228	306288	132272	89606	23186	174016	152654	15526	3354	21962	34.61	39.57	39.84
229	56968	56968	26565	14911	0	0	0	4770	10722	33.32	38.80	38.73
230	58352	58352	26680	15495	0	0	0	5105	11072	33.14	38.74	38.56
231	349704	175440	122930	32694	174264	153996	14390	3467	22227	35.28	39.96	40.38
232	46688	46688	20222	11135	0	0	0	5149	10182	32.86	38.41	38.23
233	46664	46664	19428	11752	0	0	0	5472	10012	32.97	38.39	38.35
234	356768	180544	125835	34221	176224	154717	15678	3907	22410	35.21	39.92	40.36
235	60904	60904	28245	16069	0	0	0	5685	10905	33.09	38.73	38.67
236	62688	62888	29782	16153	0	0	0	5508	11445	33.23	38.78	38.62
237	312736	139144	93880	25032	173592	152258	15451	4080	22035	34.58	39.59	39.95
238	61528	61528	29412	15122	0	0	0	5645	11349	33.19	38.78	38.55
239	62936	62936	30583	15345	0	0	0	5749	11259	33.15	38.63	38.56
240	352464	178496	124763	33011	173968	152249	15891	4149	22403	35.22	39.66	40.33
241	49832	49832	23090	11086	0	0	0	5128	10228	32.87	38.47	38.44
242	53080	53080	25919	10955	0	0	0	5814	10392	32.86	38.27	38.06
243	345704	171496	117125	33498	174208	152827	15512	4241	22501	35.31	39.92	40.38
244	59488	59488	28195	14834	0	0	0	5510	10545	33.47	38.62	38.50
245	63408	63408	39765	6720	0	0	0	5579	11350	33.24	39.21	39.43
246	316944	143224	98452	23938	173720	152127	15738	4362	22327	34.62	39.54	39.85
247	64312	64312	42332	5789	0	0	0	5328	10863	33.21	39.45	39.62

NUM	ALL	(P.H PART TOTAL	PIC_Y	PIC_C)	(I PART TOTAL	PIC_Y	PIC_C)	NV	ETC	SN(y)	SN(b)	SHIFT-4 SN(r)
248	70760	70760	45411	8416	0	0	0	5635	11298	32.81	38.82	38.93
249	330224	157192	110300	25580	173032	152651	14558	4643	22492	35.48	40.14	40.62
250	47560	47560	29128	2207	0	0	0	5908	10317	32.74	39.43	39.86
251	41416	41416	23363	2521	0	0	0	5613	9919	33.48	39.18	39.54
252	341792	167304	135822	30352	174488	153154	15502	4593	22369	35.49	40.06	40.51
253	68032	68032	42540	8695	0	0	0	5466	11331	33.38	39.08	39.23
254	55864	55864	35658	3337	0	0	0	5606	11263	33.72	39.69	40.05
255	293584	117808	81442	15449	176576	155283	15435	4480	21575	35.01	40.10	40.57
256	59720	59720	38007	4706	0	0	0	5577	11430	33.63	39.32	39.63
257	62088	62088	40823	4445	0	0	0	5608	11214	33.46	39.61	40.05
258	327288	156488	108246	27504	170800	150149	14806	4261	22322	35.66	40.25	40.76
259	48800	48800	28836	3908	0	0	0	5540	10516	33.32	39.38	39.80
260	42440	42440	22443	3487	0	0	0	6069	10437	33.63	39.52	39.91
261	329248	151512	106807	23537	177736	156322	15581	4715	22286	35.66	40.46	41.09
262	58176	58176	35848	5935	0	0	0	5593	11360	33.55	39.58	39.87
263	57824	57824	31234	9261	0	0	0	5965	11564	33.68	39.41	39.61
264	285840	119008	81989	16508	166832	146056	14965	4601	21721	35.02	40.17	40.71
265	55008	55008	31329	6313	0	0	0	6111	11455	33.81	39.56	39.95
266	54776	54776	33283	3987	0	0	0	6299	11207	33.58	39.60	39.82
267	327736	147944	102110	24750	179792	157986	16004	4744	22142	35.73	40.46	41.00
268	63592	63592	39993	12160	0	0	0	6122	11317	33.59	39.11	39.24
269	53448	53448	31399	4710	0	0	0	6163	11176	33.98	39.66	39.94
270	328256	154920	106910	26821	173336	152422	15134	4696	22265	35.73	40.36	40.90
271	55896	55896	35789	2760	0	0	0	6079	11268	33.93	39.86	40.34
272	54920	54920	32025	5790	0	0	0	5914	11191	33.78	39.21	39.54
273	320240	148608	103266	24400	171632	151223	14594	4613	22144	35.79	40.53	41.16
274	48152	48152	28403	2431	0	0	0	5991	11321	33.97	39.80	40.24
275	47680	47680	25245	5172	0	0	0	5881	11302	34.18	39.55	40.09
276	329440	155200	104199	30348	174240	153227	15255	4396	22015	35.75	40.30	40.69
277	53960	53960	33550	2168	0	0	0	5808	12434	34.39	39.87	40.58
278	59336	59336	36932	4307	0	0	0	5795	12302	34.08	39.65	40.21
279	322456	145496	100718	24099	176960	156676	14467	4284	22212	35.78	40.44	40.99
280	47096	47096	28379	1935	0	0	0	5541	11241	34.24	39.96	40.56
281	45304	45304	25823	2372	0	0	0	5965	11144	34.06	39.78	40.15
282	393088	218856	154986	43221	174232	153861	14491	4177	22352	36.44	40.77	41.33
283	58504	58504	37880	3518	0	0	0	5673	11433	33.55	39.80	40.26
284	54416	54416	34278	3311	0	0	0	5581	11246	33.81	39.77	40.30
285	331792	159240	114995	23655	172552	152836	13860	4145	22301	35.60	40.43	40.96
286	55504	55504	31574	6498	0	0	0	5878	11554	33.90	39.35	39.82
287	54352	54352	29197	7029	0	0	0	6136	11390	33.81	39.46	39.80
288	335792	159264	115475	22879	176528	155476	15265	4507	22190	35.64	40.50	41.14
289	61696	61696	34475	9839	0	0	0	5808	11500	33.65	39.10	39.50
290	55488	55488	33100	5823	0	0	0	6123	11242	33.81	39.58	40.04
291	332168	158448	112048	25309	173720	153391	14474	4574	22372	35.61	40.37	40.92
292	77424	77424	47670	11802	0	0	0	6284	12468	33.59	39.38	39.81
293	66248	66248	40968	6855	0	0	0	6708	12517	34.22	39.76	40.22
294	329800	157000	110412	25080	172000	151560	14594	5011	22343	35.64	40.41	41.01
295	60576	60576	37140	5274	0	0	0	6533	11629	33.54	39.48	40.00
296	81936	81936	51815	11029	0	0	0	7115	11937	33.47	38.89	39.43
297	384856	210184	152268	35026	174672	154410	14419	5191	22542	36.44	40.88	41.60
298	70176	70176	45846	5161	0	0	0	6747	12422	33.28	39.24	39.89
299	35864	35864	8231	14621	0	0	0	3338	9688	74.40	38.93	39.03