

CCITT SGXV
Working Party XV/1
Specialists Group on Coding
for Visual Telephony

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Orlando , December 6-9 , 1988

Title : Simulation results at 10 Hz

Source : F , FRG , NL , S , N , UK , I

Eight labs have simulated RM6 at 10 Hz with comparable results. Annexed to that document is an example of simulation results.

Statistics concern the six following sequences : Claire , Salesman , Miss America , Trevor , Blue Jacket , Swing.

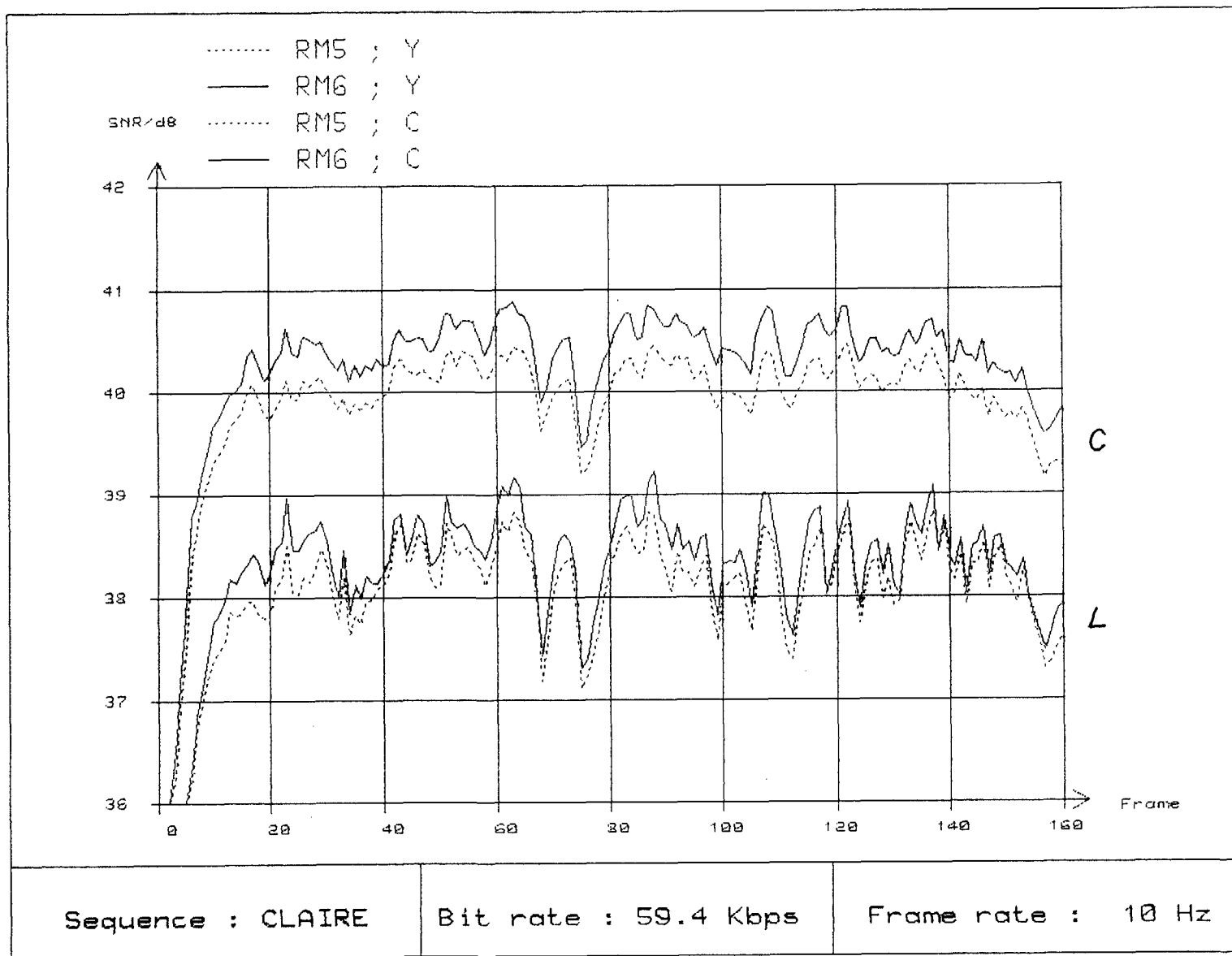
The curves allow comparison with RM5.

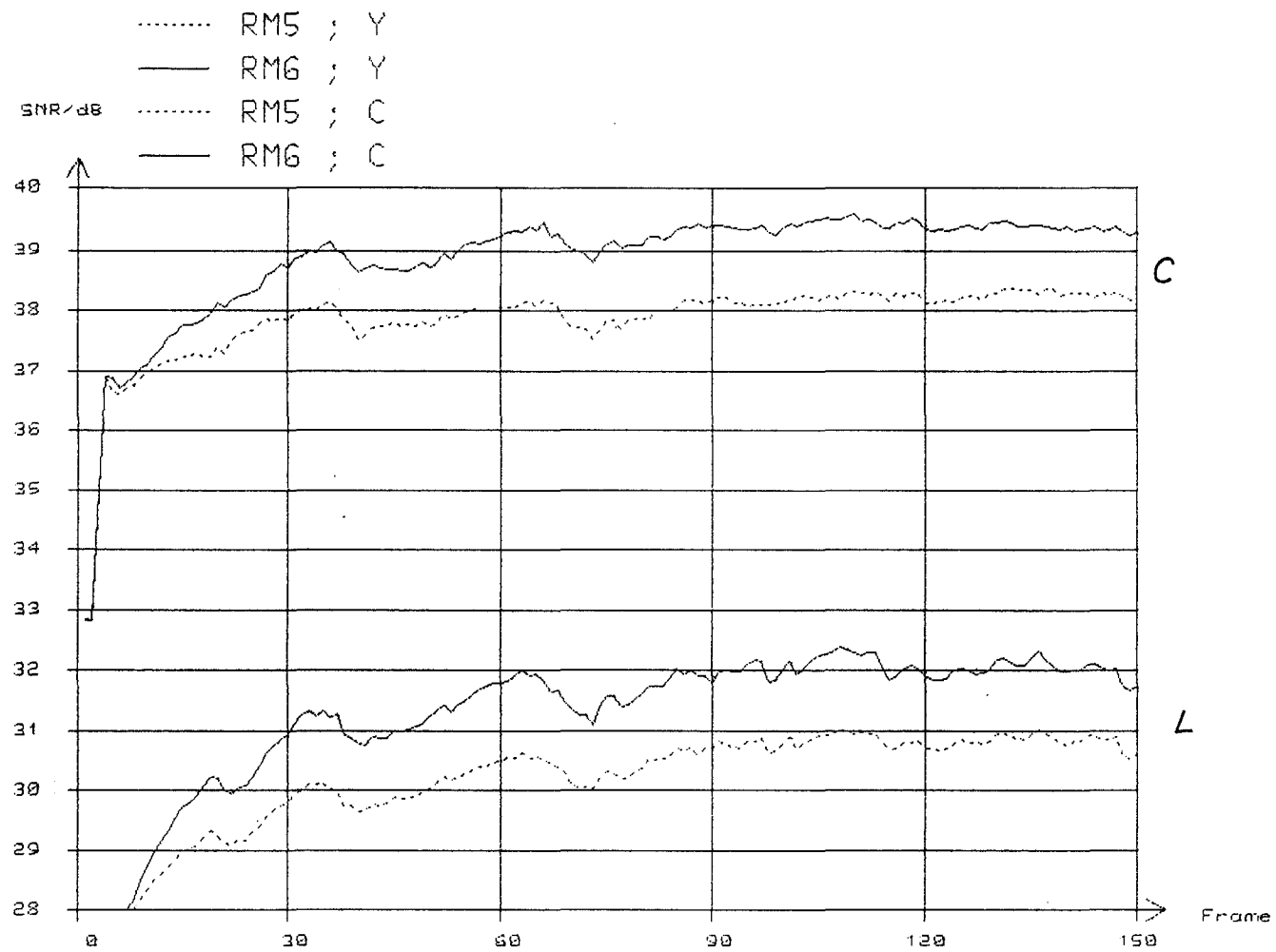
Statistics : RM6
 Bit rate : 59.4 Kbps
 Source : CNET/France
 Date : 14/11/88

Sequence Frame rate	MISS A 10 Hz	CLAIRE 10 Hz	TREVOR 10 Hz
R.M.S. Y C	3.27 2.97	3.19 2.48	5.53 2.60
S.N.R., Y C	37.83 38.68	38.07 40.25	33.28 39.83
Step size	18.41	18.74	37.21
Nbr of non zeroes	Y: 2.67 C: 1.34	3.25 1.84	2.13 1.04
Nbr of zeroes	Y: 4.40 C: 1.49	5.49 2.88	3.42 0.18
MACRO BLOCK TYPE			
Overflow	0	0	0
Fixed	221	278	230
Fixed MC	20	6	34
Inter	78	63	32
Inter MC	74	47	89
Intra	0	0	8
NUMBER OF BITS			
MB Attributes	652	501	534
E O B	1481	1014	1166
Motion vectors	575	325	1024
Coefficients : Y C	2513 611	3792 278	3040 81
Total	5832	5910	5845

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Sequence Frame rate	SALESMAN 10 Hz	SWING 10 Hz	BLUE JACKET 10 Hz
R.M.S. Y C	7.22 2.92	7.19 4.58	5.31 3.14
S.N.R. Y C	30.96 38.83	31.00 34.91	33.62 38.19
Step size	26.43	20.85	22.58
Nbr of non zeroes	Y: 2.98 C: 1.23	2.43 2.58	3.99 1.56
Nbr of zeroes	Y:10.33 C: 1.61	20.77 13.71	9.28 3.79
MACRO BLOCK TYPE			
Overflow	2	5	0
Fixed	260	280	281
Fixed MC	6	1	3
Inter	89	100	87
Inter MC	35	6	22
Intra	1	1	0
NUMBER OF BITS			
MB Attributes	585	540	512
E O B	1039	992	975
Motion vectors	289	85	167
Coefficients : Y C	3924 71	3512 763	3743 513
Total	5908	5892	5910

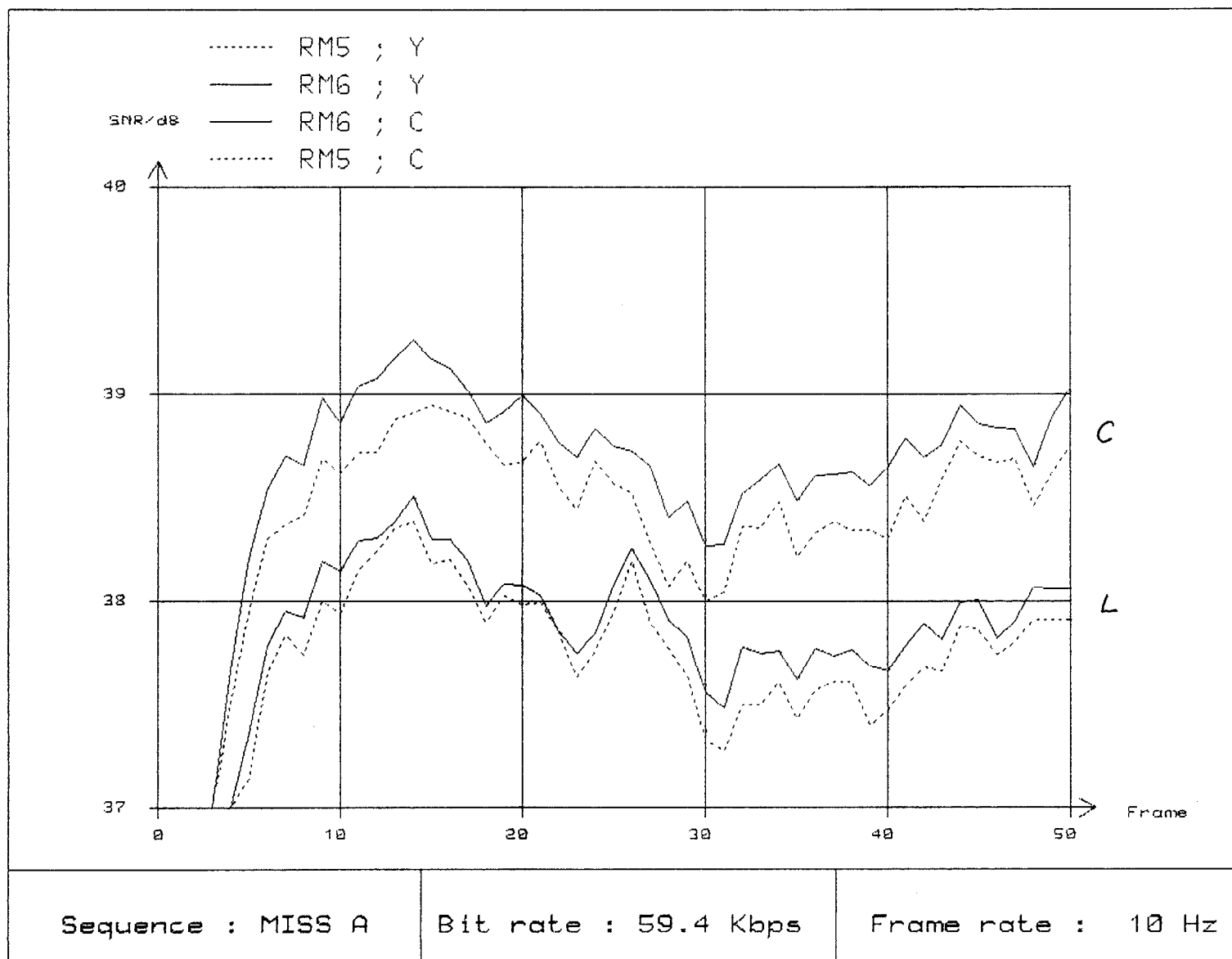


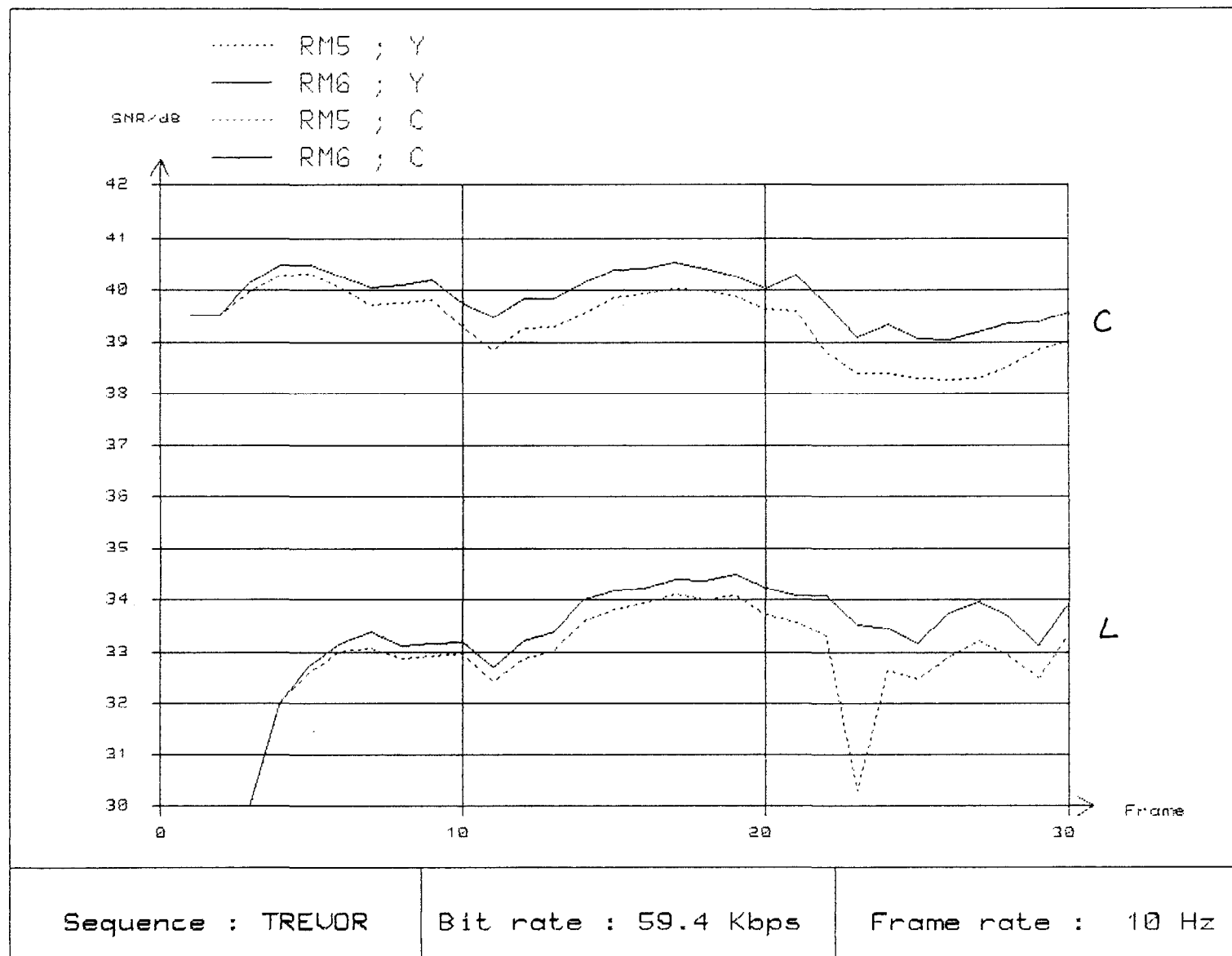


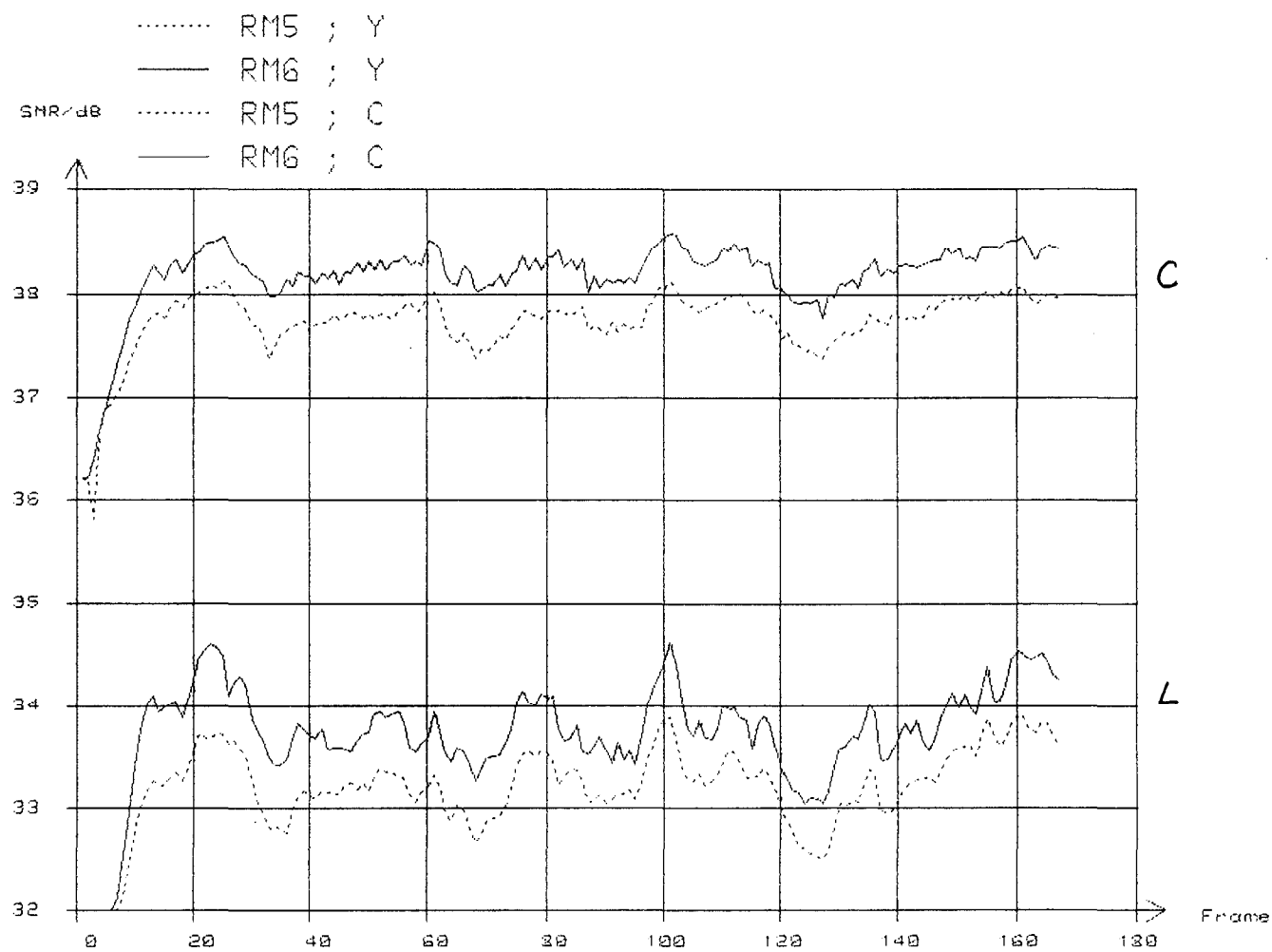
Sequence : Salesman

Bit rate : 59.4 Kbps

Frame rate : 10 Hz







Sequence :BLUE JACK

Bit rate : 59.4 Kbps

Frame rate : 10 Hz

