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Title : Core Experiment I.8 results
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On behalf of COST-VADIS
Purpose : Information, Discussion

This document collects the first results we obtained by performing Core Experiment I.8. Its goal is to compare the coding efficiency of the frequency scanning method versus the block scanning one.

For this experiment *Mobcal* and *Flower* have been processed at 4 and 9 Mbit/sec. SNR's for both the Basic Mode of TM2 (*BM*) and the Core Experiment I.8 (*I.8*) are presented in the table below.

	I			P			B		
	Y	U	V	Y	U	V	Y	U	V
<i>Mob 4M BM</i>	27.9	34.0	35.4	26.3	33.1	34.6	26.0	33.2	34.7
<i>Mob 4M I8</i>	28.2	34.1	35.6	26.1	33.0	34.5	25.7	33.0	34.5
<i>Mob 9M BM</i>	32.2	36.9	38.1	30.6	35.7	37.1	28.9	36.0	37.4
<i>Mob 9M I8</i>	32.9	37.3	38.6	30.5	35.5	37.0	29.3	35.6	37.1
<i>Flo 4M BM</i>	30.9	33.0	35.3	28.0	31.6	34.2	26.8	31.3	34.1
<i>Flo 4M I8</i>	31.4	33.4	35.5	27.9	31.5	34.3	26.6	31.2	34.1
<i>Flo 9M BM</i>	36.1	36.9	38.0	32.7	34.0	36.0	31.3	33.8	35.7
<i>Flo 9M I8</i>	37.4	38.1	38.9	32.8	34.1	36.1	31.0	33.6	35.6

Conclusions:

- at this stage of the experimentation, both techniques present similar efficiency;
- the higher the bitrate, the higher the efficiency of frequency scanning technique;
- further studies are required to adapt frequency scanning technique to the context of TM2.