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urban scenario		,			
Urban	Mux shared 16QAM	Mux shared 64QAM	Hierachical mod.	Stand alone DVB-H	
Modulation	16 QAM 1/2	64QAM 1/2	LP 16-QAM / HP QPSK	QPSK 1/2	
Throughput [Mbps]	10-12	15-18	LP 15-18 / HP 5-6	5-6	
Frequency [MHz]	600	600	600	600	
Bandwidth [MHz]	7,61	7,61	7,61	7,61	
Therma noise density [dBm/Hz]	-174	-174	-174	-174	
Receiver noise figure [dB]	6	6	6	6	
Noise power[dBm]	-99,19	-99,19	-99,19	-99,19	
SNR [dB]	11,2	16	11,4	5,4	
Implementation margin [dB]	2,5	2,5	2,5	2,5	
Receiver sensitivity thershold [dBm]	-85,49	-80,69	-85,29	-91,29	
Shadowing standard variation [dB]	8,1	8,1	8,1	8,1	
Coverage probability	75%	75%	75%	75%	
Shadowing margin [dB]	5,5	5,5	5,5	5,5	
Penetration loss [dB]	15	15	15	15	
Required Signal Strenght [dBm]	-65,02	-60,22	-64,82	-70,82	
Tx EIRP [dBm] (High Tower/Low site)	63 / 53	63 / 53	63 / 53	63 / 53	
Reciver antenna gain [dB]	-8	-8	-8	-8	
DVB-H cell radius [Km] (High Tower 150m)	1,8	1,25	1,75	2,75	
DVB-H cell radius [Km] (Low site 30m)	0,45	0,3	0,45	0,65	
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		QI	PSK hierarchio	cal vs pure Q	
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Modulation Throughput [Mbps] Frequency [Mitz]	Mux shared 16QAM 16-QAM 1/2 10-12	Mux shared 64 QAM 64-QAM 1/2	Hierachical mod.	Stand alone DVB
Throughput [Mbps]		64-QAM 1/2	LDAG OAM UID ODOK	
	10-12		LP 16-QAM /HP QPSK	QPSK 1/2
Frequency [MHz]		15-18	LP 15-18 / HP 5-6	5-6
	600	600	600	600
Bandwidth [MHz]	7,61	7,61	7,61	7,61
Therma noise density [dBm/Hz]	-174	-174	-174	-174
Receiver noise figure [dB]	6	6	6	6
Voise power[dBm]	-99,19	-99,19	-99,19	-99,19
SNR [dB]	11,2	16	11,4	5,4
mplementation margin [dB]	2,5	2,5	2,5	2,5
Receiver sensitivity thershold [dBm]	-85,49	-80,69	-85,29	-91,29
Shadowing standard variation [dB]	6,1	6,1	6,1	6,1
Coverage probability	75%	75%	75%	75%
Shadowing margin [dB]	4,1	4,1	4,1	4,1
Penetration loss [dB]	10	10	10	10
Required Signal Strenght [dBm]	-71,37	-66,57	-71,17	-77,17
fx EIRP [dBm] (High Tower/Low site)	63 / 53	63 / 53	63 / 53	63 / 53
Reciver antenna gain [dB]	-8	-8	-8	-8
OVB-H cell radius [Km] (High Tower 150m)	3,9	2,70	3,85	6,05
DVB-H cell radius [Km] (Low site 30m)	0,9	0,65	0,85	1,3















