

Full&Default Power Mode/Redued Power for DS12

<GSM>

GSM850_Ant.1_Index.2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.23	32.40	32.53	33.50	23.26	23.40	23.33	24.50
GPRS 1 Tx slot	32.24	32.38	32.29	33.50	23.24	23.38	23.29	24.50
GPRS 2 Tx slots	30.73	30.76	30.69	31.50	24.73	24.75	24.69	25.50
GPRS 3 Tx slots	28.81	28.87	28.77	29.50	24.55	24.61	24.51	25.24
GPRS 4 Tx slots	28.74	28.77	28.59	27.50	23.74	23.77	23.59	24.50
EDGE 1 Tx slot	26.81	26.85	26.74	27.50	17.81	17.85	17.74	18.50
EDGE 2 Tx slots	24.72	24.93	24.89	25.50	18.72	18.93	18.89	19.50
EDGE 3 Tx slots	22.82	22.84	22.67	23.50	18.66	18.58	18.41	19.24
EDGE 4 Tx slots	21.33	21.45	21.32	22.00	18.33	18.45	18.32	19.00

<WCDMA>

Band	WCDMA V_Ant.1	Tune-up			
		4132	4182	4233	
TX Channel	4132	4182	4233		
Rx Channel	4387	4407	4438		
Frequency (MHz)	828.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.33	22.40	22.36	24.00
3GPP Rel 99	RMC 12.2Kbps	22.43	22.50	22.49	24.00
3GPP Rel 6	HSDPA Subtest-1	21.29	21.40	21.54	23.00
3GPP Rel 6	HSDPA Subtest-2	21.50	21.62	21.35	23.00
3GPP Rel 6	HSDPA Subtest-3	20.74	20.92	20.91	22.50
3GPP Rel 6	HSDPA Subtest-4	20.93	21.07	21.00	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.35	21.53	21.32	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.51	21.45	21.45	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.74	21.04	21.04	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.96	20.97	20.85	22.50
3GPP Rel 6	HSUPA Subtest-1	21.39	21.61	21.35	23.00
3GPP Rel 6	HSUPA Subtest-2	19.49	19.49	19.29	21.00
3GPP Rel 6	HSUPA Subtest-3	20.31	20.40	20.38	22.00
3GPP Rel 6	HSUPA Subtest-4	19.50	19.55	19.44	21.00
3GPP Rel 6	HSUPA Subtest-5	21.48	21.60	21.48	23.00



LTE Band 5 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.39	22.74	22.65	24	0
10	QPSK	1	25	22.52	22.66	22.53		
10	QPSK	1	49	22.51	22.61	22.50		
10	QPSK	25	0	21.59	21.85	21.70	23	1
10	QPSK	25	12	21.65	21.74	21.65		
10	QPSK	25	25	21.72	21.82	21.77		
10	QPSK	50	0	21.65	21.78	21.70	23	1
10	16QAM	1	0	21.68	21.74	21.65		
10	16QAM	1	25	21.68	21.73	21.68		
10	16QAM	1	49	21.64	21.77	21.71	22	2
10	16QAM	25	0	20.95	21.05	20.98		
10	16QAM	25	12	20.98	21.03	21.00		
10	16QAM	25	25	20.95	21.06	21.03	22	2
10	16QAM	50	0	20.58	20.63	20.58		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.23	22.68	22.52	24	0
5	QPSK	1	12	22.55	22.52	22.52		
5	QPSK	1	24	22.48	22.53	22.37		
5	QPSK	12	0	21.58	21.79	21.66	23	1
5	QPSK	12	7	21.58	21.71	21.57		
5	QPSK	12	13	21.65	21.71	21.68		
5	QPSK	25	0	21.63	21.69	21.59	23	1
5	16QAM	1	0	21.65	21.70	21.63		
5	16QAM	1	12	21.60	21.68	21.59		
5	16QAM	1	24	21.62	21.65	21.60	22	2
5	16QAM	12	0	20.86	21.01	20.94		
5	16QAM	12	7	20.88	20.94	20.93		
5	16QAM	12	13	20.83	20.94	20.94	22	2
5	16QAM	25	0	20.43	20.52	20.49		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.35	22.66	22.53	24	0
3	QPSK	1	8	22.34	22.58	22.53		
3	QPSK	1	14	22.47	22.56	22.42		
3	QPSK	8	0	21.48	21.75	21.58	23	1
3	QPSK	8	4	21.56	21.61	21.51		
3	QPSK	8	7	21.62	21.71	21.73		
3	QPSK	15	0	21.60	21.69	21.67	23	1
3	16QAM	1	0	21.57	21.63	21.57		
3	16QAM	1	8	21.56	21.66	21.62		
3	16QAM	1	14	21.60	21.74	21.61	22	2
3	16QAM	8	0	20.82	21.01	20.92		
3	16QAM	8	4	20.92	20.91	20.93		
3	16QAM	8	7	20.89	20.99	20.94	22	2
3	16QAM	15	0	20.51	20.52	20.50		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.23	22.64	22.55	24	0
1.4	QPSK	1	3	22.57	22.59	22.60		
1.4	QPSK	1	5	22.43	22.49	22.47		
1.4	QPSK	3	0	22.35	22.67	22.60	23	1
1.4	QPSK	3	1	22.57	22.57	22.54		
1.4	QPSK	3	3	22.47	22.55	22.38		
1.4	QPSK	6	0	21.48	21.82	21.67	23	1
1.4	16QAM	1	0	21.52	21.63	21.59		
1.4	16QAM	1	3	21.60	21.80	21.64		
1.4	16QAM	1	5	21.52	21.75	21.56	23	1
1.4	16QAM	3	0	21.51	21.72	21.67		
1.4	16QAM	3	1	21.61	21.72	21.62		
1.4	16QAM	3	3	21.66	21.73	21.68	22	2
1.4	16QAM	6	0	20.84	20.97	20.89		

LTE Band 7 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.31	22.55	22.35	24	0
20	QPSK	1	49	22.34	22.46	22.41		
20	QPSK	1	98	22.18	22.28	22.15		
20	QPSK	50	0	21.32	21.41	21.35	23	1
20	QPSK	50	24	21.30	21.33	21.31		
20	QPSK	50	50	21.28	21.34	21.32		
20	QPSK	100	0	21.34	21.45	21.32	23	1
20	16QAM	1	0	21.69	21.74	21.69		
20	16QAM	1	49	21.67	21.80	21.78		
20	16QAM	1	98	21.54	21.52	21.58	22	2
20	16QAM	50	0	20.32	20.43	20.32		
20	16QAM	50	24	20.44	20.52	20.45		
20	16QAM	50	50	20.25	20.37	20.29	22	2
20	16QAM	100	0	20.41	20.51	20.38		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.23	22.47	22.30	24	0
15	QPSK	1	37	22.21	22.33	22.37		
15	QPSK	1	74	22.16	22.12	22.02		
15	QPSK	36	0	21.28	21.36	21.30	23	1
15	QPSK	36	20	21.18	21.29	21.18		
15	QPSK	36	39	21.19	21.25	21.26		
15	QPSK	75	0	21.20	21.34	21.24	23	1
15	16QAM	1	0	21.67	21.69	21.63		
15	16QAM	1	37	21.56	21.69	21.68		
15	16QAM	1	74	21.52	21.60	21.53	22	2
15	16QAM	36	0	20.23	20.38	20.21		
15	16QAM	36	20	20.39	20.48	20.37		
15	16QAM	36	39	20.14	20.35	20.24	22	2
15	16QAM	75	0	20.38	20.43	20.31		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.28	22.51	22.28	24	0
10	QPSK	1	25	22.22	22.34	22.39		
10	QPSK	1	49	22.14	22.20	22.04		
10	QPSK	25	0	21.26	21.33	21.31	23	1
10	QPSK	25	12	21.19	21.30	21.25		
10	QPSK	25	25	21.24	21.27	21.29		
10	QPSK	50	0	21.21	21.34	21.21	23	1
10	16QAM	1	0	21.56	21.66	21.55		
10	16QAM	1	25	21.60	21.75	21.72		
10	16QAM	1	49	21.43	21.65	21.54	22	2
10	16QAM	25	0	20.22	20.39	20.27		
10	16QAM	25	12	20.34	20.42	20.32		
10	16QAM	25	25	20.13	20.26	20.22	22	2
10	16QAM	50	0	20.33	20.47	20.34		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.25	22.48	22.23	24	0
5	QPSK	1	12	22.22	22.36	22.38		
5	QPSK	1	24	22.05	22.17	22.02		
5	QPSK	12	0	21.19	21.29	21.25	23	1
5	QPSK	12	7	21.23	21.25	21.17		
5	QPSK	12	13	21.16	21.30	21.19		
5	QPSK	25	0	21.27	21.41	21.19	23	1
5	16QAM	1	0	21.59	21.72	21.63		
5	16QAM	1	12	21.64	21.78	21.66		
5	16QAM	1	24	21.41	21.50	21.47	22	2
5	16QAM	12	0	20.20	20.40	20.27		
5	16QAM	12	7	20.34	20.41	20.42		
5	16QAM	12	13	20.12	20.32	20.22	22	2
5	16QAM	25	0	20.34	20.47	20.32		



LTE Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							37850	38000	38150
Frequency (MHz)							2530	2555	2580
20	QPSK	1	0	22.35	22.55	22.75	24	0	
20	QPSK	1	49	22.32	22.43	22.37			
20	QPSK	1	99	22.26	22.29	22.15			
20	QPSK	50	0	21.32	21.51	21.43	23	1	
20	QPSK	50	24	21.40	21.44	21.36			
20	QPSK	50	50	21.41	21.47	21.45			
20	QPSK	100	0	21.34	21.36	21.24	23	1	
20	16QAM	1	0	21.37	21.50	21.43			
20	16QAM	1	49	21.34	21.37	21.32			
20	16QAM	1	99	21.37	21.50	21.43	22	2	
20	16QAM	50	0	20.19	20.07	20.01			
20	16QAM	50	24	20.10	20.15	20.13			
20	16QAM	50	50	20.02	20.12	20.10	20	0	
20	16QAM	100	0	20.50	20.63	20.52			
Channel									37850
Frequency (MHz)							2577.5	2595	2612.5
15	QPSK	1	0	22.25	22.52	22.40	24	0	
15	QPSK	1	37	22.29	22.38	22.29			
15	QPSK	1	74	22.23	22.23	22.09			
15	QPSK	36	0	21.18	21.47	21.36	23	1	
15	QPSK	36	20	21.37	21.32	21.27			
15	QPSK	36	39	21.35	21.39	21.36			
15	QPSK	75	0	21.23	21.29	21.17	23	1	
15	16QAM	1	0	21.31	21.47	21.39			
15	16QAM	1	37	21.29	21.23	21.29			
15	16QAM	1	74	21.30	21.43	21.40	22	2	
15	16QAM	36	0	20.05	20.06	20.09			
15	16QAM	36	20	20.09	20.26	20.19			
15	16QAM	36	39	20.09	20.17	20.15	20	0	
15	16QAM	75	0	20.47	20.59	20.41			
Channel									37800
Frequency (MHz)							2572.5	2595	2617.5
10	QPSK	1	0	22.24	22.53	22.45	24	0	
10	QPSK	1	25	22.23	22.39	22.27			
10	QPSK	1	49	22.17	22.20	22.06			
10	QPSK	25	0	21.22	21.41	21.31	23	1	
10	QPSK	25	12	21.30	21.42	21.28			
10	QPSK	25	25	21.33	21.37	21.39			
10	QPSK	50	0	21.30	21.32	21.13	23	1	
10	16QAM	1	0	21.32	21.47	21.36			
10	16QAM	1	25	21.26	21.24	21.20			
10	16QAM	1	49	21.30	21.43	21.40	22	2	
10	16QAM	25	0	20.03	20.06	20.07			
10	16QAM	25	12	20.15	20.19	20.22			
10	16QAM	25	25	20.14	20.17	20.12	20	0	
10	16QAM	50	0	20.47	20.50	20.44			
Channel									37800
Frequency (MHz)							2572.5	2595	2617.5
5	QPSK	1	0	22.26	22.50	22.39	24	0	
5	QPSK	1	12	22.23	22.38	22.26			
5	QPSK	1	24	22.22	22.24	22.06			
5	QPSK	12	0	21.23	21.41	21.32	23	1	
5	QPSK	12	7	21.36	21.41	21.24			
5	QPSK	12	13	21.27	21.44	21.39			
5	QPSK	25	0	21.29	21.34	21.12	23	1	
5	16QAM	1	0	21.34	21.43	21.36			
5	16QAM	1	12	21.22	21.28	21.26			
5	16QAM	1	24	21.34	21.38	21.33	22	2	
5	16QAM	12	0	20.01	20.06	20.12			
5	16QAM	12	7	20.12	20.21	20.24			
5	16QAM	12	13	20.17	20.19	20.15	20	0	
5	16QAM	25	0	20.48	20.60	20.38			
Channel									37800

LTE Band 41 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							40140	40400	40670	41140
Frequency (MHz)							2545	2570	2595	2645
20	QPSK	1	0	22.38	22.45	22.55	22.45	24	0	
20	QPSK	1	49	22.81	22.49	22.81	22.60			
20	QPSK	1	99	22.57	22.44	22.64	22.61			
20	QPSK	50	0	21.44	21.49	21.67	21.55	23	1	
20	QPSK	50	24	21.57	21.45	21.64	21.59			
20	QPSK	50	50	21.41	21.65	21.65	21.40			
20	QPSK	100	0	21.36	21.45	21.56	21.52	23	1	
20	16QAM	1	0	21.60	21.42	21.60	21.68			
20	16QAM	1	49	21.58	21.46	21.61	21.58			
20	16QAM	1	99	21.81	21.63	21.82	21.83	22	2	
20	16QAM	50	0	20.49	20.40	20.56	20.49			
20	16QAM	50	24	20.60	20.48	20.68	20.68			
20	16QAM	50	50	20.72	20.54	20.73	20.65	20	0	
20	16QAM	100	0	20.47	20.35	20.45	20.46			
Channel							40140			40400
Frequency (MHz)							2542.5	2570.5	2599.5	2647.5
15	QPSK	1	0	22.29	22.60	22.39	22.35	24	0	
15	QPSK	1	37	22.56	22.54	22.44	22.49			
15	QPSK	1	74	22.55	22.53	22.39	22.49			
15	QPSK	36	0	21.31	21.64	21.40	21.45	23	1	
15	QPSK	36	20	21.44	21.61	21.37	21.47			
15	QPSK	36	39	21.29	21.60	21.54	21.33			
15	QPSK	75	0	21.28	21.50	21.39	21.42	23	1	
15	16QAM	1	0	21.51	21.48	21.38	21.55			
15	16QAM	1	37	21.56	21.53	21.42	21.49			
15	16QAM	1	74	21.76	21.71	21.50	21.76	22	2	
15	16QAM	36	0	20.43	20.50	20.31	20.42			
15	16QAM	36	20	20.48	20.56	20.43	20.56			
15	16QAM	36	39	20.60	20.65	20.41	20.63	20	0	
15	16QAM	75	0	20.40	20.42	20.22	20.38			
Channel							40690			40990
Frequency (MHz)							2590	2600	2600	2650
10	QPSK	1	0	22.25	22.55	22.42	22.38	24	0	
10	QPSK	1	25	22.69	22.51	22.37	22.47			
10	QPSK	1	49	22.51	22.51	22.41	22.58			
10	QPSK	25	0	21.32	21.65	21.44	21.43	23	1	
10	QPSK	25	12	21.54	21.58	21.34	21.51			
10	QPSK	25	25	21.34	21.60	21.60	21.35			
10	QPSK	50	0	21.27	21.47	21.39	21.42	23	1	
10	16QAM	1	0	21.48	21.56	21.37	21.47			
10	16QAM	1	25	21.49	21.55	21.40	21.46			
10	16QAM	1	49	21.73	21.69	21.53	21.73	22	2	
10	16QAM	25	0	20.44	20.49	20.26	20.44			
10	16QAM	25	12	20.51	20.61	20.36	20.61			
10	16QAM	25	25	20.68	20.68	20.45	20.57	20	0	
10	16QAM	50	0	20.39	20.36	20.26	20.44			
Channel							40690			40990
Frequency (MHz)							2587.5	2599.5	2601.5	2652.5
5	QPSK	1	0	22.35	22.63	22.46	22.35	24	0	
5	QPSK	1	12	22.57	22.46	22.36	22.57			
5	QPSK	1	24	22.46	22.54	22.53	22.50			
5	QPSK	12	0	21.29	21.62	21.35	21.50	23	1	
5	QPSK	12	7	21.52	21.61	21.31	21.50			
5	QPSK	12	13	21.29	21.56	21.55	21.31			
5	QPSK	25	0	21.27	21.48	21.32	21.46	23	1	
5	16QAM	1	0	21.51	21.56	21.34	21.49			
5	16QAM	1	12	21.49	21.54	21.40	21.49			
5	16QAM	1	24	21.75	21.69	21.53	21.78	22	2	
5	16QAM	12	0	20.42	20.48	20.34	20.39			
5	16QAM	12	7	20.50	20.55	20.44	20.59			
5	16QAM	12	13	20.64	20.69	20.50	20.56	20	0	
5	16QAM	25	0	20.39	20.36	20.31	20.38			
Channel							40690			40990



Reduced Power for DSI4

<GSM>

GSM850_Ant_1_Index 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	125	189	251		125	189	251	
TX Channel	125	189	251	Limit	125	189	251	Limit
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.26	32.40	32.33	33.50	23.26	23.40	23.33	24.50
GPRS 1 Tx slot	32.24	32.38	32.29	33.50	23.24	23.38	23.29	24.50
GPRS 2 Tx slots	30.73	30.75	30.69	31.50	21.73	21.75	21.69	22.50
GPRS 3 Tx slots	28.81	28.87	28.77	29.50	24.61	24.61	24.51	25.24
GPRS 4 Tx slots	26.74	26.77	26.59	27.50	23.74	23.77	23.59	24.50
EDGE 1 Tx slot	26.81	26.85	26.74	27.50	17.81	17.85	17.74	18.50
EDGE 2 Tx slots	24.72	24.83	24.89	25.50	18.72	18.93	18.89	19.50
EDGE 3 Tx slots	22.82	22.84	22.67	23.50	18.56	18.58	18.41	19.24
EDGE 4 Tx slots	21.33	21.45	21.32	22.00	18.33	18.45	18.32	19.00

<WCDMA>

Band	WCDMA V_Ant_1_DSI 4			Tune-up Limit (dBm)	
	TX Channel	4132	4182		4233
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	838.4	848.6		
3GPP Rel 99	AMR 12.2Kbps	22.33	22.40	22.36	24.00
3GPP Rel 99	RMTC 12.2Kbps	22.43	22.50	22.49	24.00
3GPP Rel 6	HSUPA Subtest-1	21.29	21.40	21.54	23.00
3GPP Rel 6	HSUPA Subtest-2	21.50	21.62	21.35	23.00
3GPP Rel 6	HSDPA Subtest-3	20.74	20.62	20.91	22.50
3GPP Rel 6	HSDPA Subtest-4	20.83	21.07	21.00	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.35	21.53	21.32	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.51	21.45	21.45	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.74	21.04	21.04	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.86	20.97	20.85	22.50
3GPP Rel 6	HSUPA Subtest-1	21.39	21.61	21.35	23.00
3GPP Rel 6	HSUPA Subtest-2	19.49	19.49	19.29	21.00
3GPP Rel 6	HSUPA Subtest-3	20.31	20.40	20.38	22.00
3GPP Rel 6	HSUPA Subtest-4	19.50	19.55	19.44	21.00
3GPP Rel 6	HSUPA Subtest-5	21.48	21.60	21.48	23.00



LTE Band 5 Ant 1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20450	20525	20600		
				829	836.5	844		
10	QPSK	1	0	22.39	22.74	22.65	24	0
10	QPSK	1	25	22.62	22.66	22.63		
10	QPSK	1	49	22.51	22.61	22.59		
10	QPSK	25	0	21.59	21.85	21.70	23	1
10	QPSK	25	12	21.65	21.74	21.65		
10	QPSK	25	25	21.72	21.82	21.77		
10	QPSK	50	0	21.65	21.78	21.70	23	1
10	16QAM	1	0	21.68	21.74	21.65		
10	16QAM	1	25	21.68	21.73	21.68		
10	16QAM	1	49	21.64	21.77	21.71	22	2
10	16QAM	25	0	20.95	21.05	20.98		
10	16QAM	25	12	20.98	21.03	21.00		
10	16QAM	25	25	20.95	21.06	21.03	22	2
10	16QAM	50	0	20.95	20.83	20.58		
10	16QAM	50	0	20.95	20.83	20.58		
Channel								
Frequency (MHz)				20425	20525	20625		
				823.5	838.5	843.5		
5	QPSK	1	0	22.28	22.68	22.52	24	0
5	QPSK	1	12	22.55	22.52	22.52		
5	QPSK	1	24	22.48	22.53	22.37		
5	QPSK	12	0	21.55	21.79	21.66	23	1
5	QPSK	12	7	21.58	21.71	21.57		
5	QPSK	12	13	21.65	21.71	21.68		
5	QPSK	25	0	21.63	21.69	21.59	23	1
5	16QAM	1	0	21.65	21.70	21.63		
5	16QAM	1	12	21.60	21.68	21.59		
5	16QAM	1	24	21.62	21.65	21.60	22	2
5	16QAM	12	0	20.96	21.01	20.94		
5	16QAM	12	7	20.88	20.94	20.93		
5	16QAM	12	13	20.83	20.94	20.94	22	2
5	16QAM	25	0	20.43	20.52	20.49		
5	16QAM	25	0	20.43	20.52	20.49		
Channel								
Frequency (MHz)				20415	20525	20635		
				825.5	836.5	847.5		
3	QPSK	1	0	22.35	22.66	22.53	24	0
3	QPSK	1	6	22.54	22.58	22.53		
3	QPSK	1	14	22.47	22.56	22.45		
3	QPSK	8	0	21.48	21.75	21.58	23	1
3	QPSK	8	4	21.56	21.81	21.51		
3	QPSK	8	7	21.62	21.71	21.73		
3	QPSK	15	0	21.60	21.69	21.67	23	1
3	16QAM	1	0	21.57	21.63	21.57		
3	16QAM	1	6	21.56	21.68	21.62		
3	16QAM	1	14	21.60	21.74	21.61	22	2
3	16QAM	8	0	20.82	21.01	20.92		
3	16QAM	8	4	20.92	20.91	20.93		
3	16QAM	8	7	20.89	20.99	20.94	22	2
3	16QAM	15	0	20.51	20.52	20.50		
3	16QAM	15	0	20.51	20.52	20.50		
Channel								
Frequency (MHz)				20407	20525	20643		
				827.7	838.5	848.3		
1.4	QPSK	1	0	22.26	22.64	22.55	24	0
1.4	QPSK	1	3	22.57	22.59	22.60		
1.4	QPSK	1	5	22.43	22.49	22.47		
1.4	QPSK	3	0	22.35	22.57	22.69	23	1
1.4	QPSK	3	1	22.57	22.57	22.54		
1.4	QPSK	3	3	22.47	22.55	22.38		
1.4	QPSK	6	0	21.48	21.82	21.57	23	1
1.4	16QAM	1	0	21.52	21.63	21.59		
1.4	16QAM	1	3	21.60	21.80	21.64		
1.4	16QAM	1	5	21.52	21.75	21.56	23	1
1.4	16QAM	3	0	21.51	21.72	21.67		
1.4	16QAM	3	1	21.61	21.72	21.62		
1.4	16QAM	3	3	21.66	21.73	21.68	22	2
1.4	16QAM	6	0	20.84	20.97	20.89		
1.4	16QAM	6	0	20.84	20.97	20.89		

LTE Band 7 Ant 1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20950	21100	21350		
				2510	2535	2560		
20	QPSK	1	0	10.55	10.71	10.49	12	0
20	QPSK	1	49	10.51	10.69	10.62		
20	QPSK	1	99	10.34	10.50	10.40		
20	QPSK	50	0	10.49	10.81	10.37	12	0
20	QPSK	50	24	10.48	10.56	10.58		
20	QPSK	50	50	10.23	10.47	10.28		
20	QPSK	100	0	10.46	10.65	10.40	12	0
20	16QAM	1	0	10.37	10.56	10.54		
20	16QAM	1	49	10.20	10.44	10.28		
20	16QAM	1	99	10.47	10.58	10.45	12	0
20	16QAM	50	0	10.37	10.57	10.49		
20	16QAM	50	24	10.47	10.63	10.47		
20	16QAM	50	50	10.40	10.38	10.48	12	0
20	16QAM	100	0	10.22	10.43	10.36		
20	16QAM	100	0	10.22	10.43	10.36		
Channel								
Frequency (MHz)				20925	21100	21375		
				2506.5	2535	2572.5		
15	QPSK	1	0	10.52	10.66	10.44	12	0
15	QPSK	1	37	10.42	10.64	10.48		
15	QPSK	1	74	10.21	10.48	10.34		
15	QPSK	36	0	10.44	10.48	10.25	12	0
15	QPSK	36	20	10.36	10.51	10.51		
15	QPSK	36	39	10.27	10.40	10.20		
15	QPSK	75	0	10.41	10.63	10.27	12	0
15	16QAM	1	0	10.29	10.52	10.50		
15	16QAM	1	37	10.28	10.31	10.30		
15	16QAM	1	74	10.41	10.48	10.41	12	0
15	16QAM	36	0	10.28	10.45	10.37		
15	16QAM	36	20	10.35	10.58	10.44		
15	16QAM	36	39	10.28	10.44	10.41	12	0
15	16QAM	75	0	10.28	10.37	10.22		
15	16QAM	75	0	10.28	10.37	10.22		
Channel								
Frequency (MHz)				20900	21100	21400		
				2505	2535	2565		
10	QPSK	1	0	10.47	10.62	10.40	12	0
10	QPSK	1	25	10.47	10.67	10.59		
10	QPSK	1	49	10.22	10.37	10.36		
10	QPSK	25	0	10.45	10.69	10.30	12	0
10	QPSK	25	12	10.41	10.53	10.46		
10	QPSK	25	25	10.30	10.41	10.22		
10	QPSK	50	0	10.42	10.56	10.35	12	0
10	16QAM	1	0	10.29	10.47	10.50		
10	16QAM	1	25	10.31	10.39	10.31		
10	16QAM	1	49	10.41	10.51	10.31	12	0
10	16QAM	25	0	10.32	10.52	10.37		
10	16QAM	25	12	10.40	10.59	10.43		
10	16QAM	25	25	10.23	10.47	10.41	12	0
10	16QAM	50	0	10.21	10.29	10.33		
10	16QAM	50	0	10.21	10.29	10.33		
Channel								
Frequency (MHz)				20775	21100	21425		
				2502.5	2535	2577.5		
5	QPSK	1	0	10.51	10.59	10.38	12	0
5	QPSK	1	12	10.40	10.64	10.50		
5	QPSK	1	24	10.23	10.44	10.35		
5	QPSK	12	0	10.43	10.54	10.33	12	0
5	QPSK	12	7	10.28	10.45	10.55		
5	QPSK	12	13	10.23	10.39	10.22		
5	QPSK	25	0	10.43	10.51	10.28	12	0
5	16QAM	1	0	10.32	10.49	10.49		
5	16QAM	1	12	10.26	10.33	10.25		
5	16QAM	1	24	10.37	10.53	10.41	12	0
5	16QAM	12	0	10.34	10.46	10.39		
5	16QAM	12	7	10.35	10.58	10.41		
5	16QAM	12	13	10.31	10.52	10.37	12	0
5	16QAM	25	0	10.27	10.34	10.23		
5	16QAM	25	0	10.27	10.34	10.23		



LTE Band 38 Ant 1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2583	2595	2610		
20	QPSK	1	0	12.81	12.85	12.89	14	0
20	QPSK	1	49	12.88	12.70	12.85		
20	QPSK	1	99	12.82	12.71	12.57		
20	QPSK	50	0	12.76	12.89	12.64	14	0
20	QPSK	50	24	12.73	12.75	12.66		
20	QPSK	50	50	12.73	12.87	12.82		
20	QPSK	100	0	12.58	12.78	12.73	14	0
20	16QAM	1	0	12.56	12.66	12.48		
20	16QAM	1	49	12.64	12.89	12.52		
20	16QAM	1	99	12.72	12.88	12.78	14	0
20	16QAM	50	0	12.58	12.81	12.82		
20	16QAM	50	24	12.48	12.61	12.44		
20	16QAM	50	50	12.87	12.72	12.54	14	0
20	16QAM	100	0	12.63	12.84	12.61		
Channel				37922	38000	38165		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	12.77	12.94	12.76	14	0
15	QPSK	1	37	12.56	12.63	12.79		
15	QPSK	1	74	12.54	12.66	12.49		
15	QPSK	36	0	12.69	12.79	12.58	14	0
15	QPSK	36	20	12.81	12.73	12.60		
15	QPSK	36	39	12.60	12.78	12.72		
15	QPSK	75	0	12.55	12.73	12.63	14	0
15	16QAM	1	0	12.51	12.61	12.38		
15	16QAM	1	37	12.51	12.87	12.46		
15	16QAM	1	74	12.81	12.78	12.71	14	0
15	16QAM	36	0	12.48	12.49	12.79		
15	16QAM	36	20	12.35	12.56	12.41		
15	16QAM	36	39	12.63	12.67	12.47	14	0
15	16QAM	75	0	12.60	12.56	12.54		
Channel				37800	38000	38200		
Frequency (MHz)				2618	2665	2693		
10	QPSK	1	0	12.70	12.85	12.77	14	0
10	QPSK	1	25	12.58	12.65	12.77		
10	QPSK	1	49	12.51	12.87	12.46		
10	QPSK	25	0	12.72	12.81	12.52	14	0
10	QPSK	25	12	12.60	12.64	12.60		
10	QPSK	25	25	12.65	12.80	12.72		
10	QPSK	50	0	12.48	12.74	12.66	14	0
10	16QAM	1	0	12.54	12.98	12.35		
10	16QAM	1	25	12.53	12.61	12.45		
10	16QAM	1	49	12.63	12.78	12.68	14	0
10	16QAM	25	0	12.53	12.58	12.74		
10	16QAM	25	12	12.37	12.51	12.37		
10	16QAM	25	25	12.54	12.69	12.48	14	0
10	16QAM	50	0	12.56	12.52	12.52		
Channel				37972	38000	38265		
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	12.74	12.91	12.79	14	0
5	QPSK	1	12	12.61	12.63	12.76		
5	QPSK	1	24	12.51	12.68	12.45		
5	QPSK	12	0	12.69	12.78	12.57	14	0
5	QPSK	12	7	12.70	12.66	12.54		
5	QPSK	12	13	12.64	12.76	12.68		
5	QPSK	25	0	12.49	12.71	12.71	14	0
5	16QAM	1	0	12.51	12.58	12.35		
5	16QAM	1	12	12.59	12.63	12.39		
5	16QAM	1	24	12.63	12.84	12.69	14	0
5	16QAM	12	0	12.49	12.47	12.79		
5	16QAM	12	7	12.39	12.50	12.39		
5	16QAM	12	13	12.63	12.60	12.47	14	0
5	16QAM	25	0	12.52	12.51	12.49		

LTE Band 41 Ant 1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2570	2595	2645		
20	QPSK	1	0	13.58	13.62	13.59	13.68	14	0
20	QPSK	1	49	13.41	13.42	13.41	13.56		
20	QPSK	1	99	13.35	13.35	13.44	13.34		
20	QPSK	50	0	13.48	13.49	13.64	13.41	14	0
20	QPSK	50	24	13.45	13.47	13.48	13.45		
20	QPSK	50	50	13.48	13.54	13.59	13.63		
20	QPSK	100	0	13.33	13.33	13.52	13.50	14	0
20	16QAM	1	0	13.32	13.32	13.36	13.27		
20	16QAM	1	49	13.38	13.43	13.40	13.23		
20	16QAM	1	99	13.46	13.53	13.68	13.48	14	0
20	16QAM	50	0	13.36	13.36	13.33	13.53		
20	16QAM	50	24	13.25	13.18	13.41	13.13		
20	16QAM	50	50	13.38	13.40	13.49	13.25	14	0
20	16QAM	100	0	13.40	13.37	13.42	13.40		
Channel				40115	4035	40595	41165		
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	13.43	13.55	13.67	13.58	14	0
15	QPSK	1	37	13.31	13.36	13.35	13.54		
15	QPSK	1	74	13.28	13.24	13.40	13.27		
15	QPSK	36	0	13.37	13.38	13.56	13.33	14	0
15	QPSK	36	20	13.36	13.42	13.36	13.32		
15	QPSK	36	39	13.41	13.45	13.46	13.55		
15	QPSK	75	0	13.27	13.27	13.42	13.38	14	0
15	16QAM	1	0	13.24	13.25	13.27	13.13		
15	16QAM	1	37	13.24	13.30	13.29	13.16		
15	16QAM	1	74	13.43	13.41	13.58	13.40	14	0
15	16QAM	36	0	13.31	13.34	13.24	13.46		
15	16QAM	36	20	13.23	13.05	13.35	13.08		
15	16QAM	36	39	13.33	13.37	13.40	13.15	14	0
15	16QAM	75	0	13.31	13.34	13.33	13.34		
Channel				40690	40990	40690	41190		
Frequency (MHz)				25915	2620	2690	2690		
10	QPSK	1	0	13.44	13.57	13.59	13.60	14	0
10	QPSK	1	25	13.28	13.32	13.37	13.53		
10	QPSK	1	49	13.24	13.31	13.36	13.23		
10	QPSK	25	0	13.38	13.43	13.51	13.29	14	0
10	QPSK	25	12	13.38	13.42	13.46	13.32		
10	QPSK	25	25	13.36	13.52	13.50	13.49		
10	QPSK	50	0	13.28	13.25	13.49	13.37	14	0
10	16QAM	1	0	13.20	13.22	13.23	13.16		
10	16QAM	1	25	13.34	13.37	13.35	13.16		
10	16QAM	1	49	13.37	13.45	13.59	13.38	14	0
10	16QAM	25	0	13.32	13.28	13.21	13.44		
10	16QAM	25	12	13.20	13.15	13.29	13.00		
10	16QAM	25	25	13.34	13.33	13.38	13.21	14	0
10	16QAM	50	0	13.26	13.28	13.39	13.35		
Channel				40595	40935	40935	41215		
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	13.44	13.57	13.64	13.66	14	0
5	QPSK	1	12	13.28	13.32	13.31	13.44		
5	QPSK	1	24	13.23	13.33	13.34	13.30		
5	QPSK	12	0	13.38	13.42	13.53	13.36	14	0
5	QPSK	12	7	13.38	13.41	13.44	13.36		
5	QPSK	12	13	13.39	13.60	13.48	13.63		
5	QPSK	25	0	13.26	13.30	13.44	13.43	14	0
5	16QAM	1	0	13.20	13.27	13.33	13.16		
5	16QAM	1	12	13.30	13.35	13.27	13.13		
5	16QAM	1	24	13.41	13.50	13.56	13.41	14	0
5	16QAM	12	0	13.28	13.31	13.23	13.49		
5	16QAM	12	7	13.14	13.11	13.34	13.08		
5	16QAM	12	13	13.31	13.34	13.39	13.19	14	0
5	16QAM	25	0	13.30	13.30	13.36	13.34		



Reduced Power for DSI6

<GSM>

GSM850_Ant 1_Index 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	125	189	251		125	189	251	
TX Channel	125	189	251	Limit	125	189	251	Limit
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.26	32.40	32.33	33.50	23.26	23.40	23.33	24.50
GPRS 1 Tx slot	32.24	32.38	32.29	33.50	23.24	23.38	23.29	24.50
GPRS 2 Tx slots	30.73	30.75	30.69	31.50	21.73	21.75	21.69	22.50
GPRS 3 Tx slots	28.81	28.87	28.77	29.50	24.61	24.61	24.51	25.24
GPRS 4 Tx slots	26.74	26.77	26.59	27.50	23.74	23.77	23.59	24.50
EDGE 1 Tx slot	26.81	26.85	26.74	27.50	17.81	17.85	17.74	18.50
EDGE 2 Tx slots	24.72	24.83	24.89	25.50	18.72	18.93	18.89	19.50
EDGE 3 Tx slots	22.82	22.84	22.67	23.50	18.56	18.58	18.41	19.24
EDGE 4 Tx slots	21.33	21.45	21.32	22.00	18.33	18.45	18.32	19.00

<WCDMA>

Band	WCDMA V_Ant 1_DSI 6			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4132	4182	4233		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.33	22.40	22.36	24.00
3GPP Rel 99	RMTC 12.2Kbps	22.43	22.50	22.49	24.00
3GPP Rel 6	HSUPA Subtest-1	21.29	21.40	21.54	23.00
3GPP Rel 6	HSUPA Subtest-2	21.50	21.62	21.35	23.00
3GPP Rel 6	HSDPA Subtest-3	20.74	20.62	20.91	22.50
3GPP Rel 6	HSDPA Subtest-4	20.83	21.07	21.00	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.35	21.53	21.32	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.51	21.45	21.45	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.74	21.04	21.04	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.86	20.97	20.85	22.50
3GPP Rel 6	HSUPA Subtest-1	21.39	21.61	21.35	23.00
3GPP Rel 6	HSUPA Subtest-2	19.49	19.49	19.29	21.00
3GPP Rel 6	HSUPA Subtest-3	20.31	20.40	20.38	22.00
3GPP Rel 6	HSUPA Subtest-4	19.50	19.55	19.44	21.00
3GPP Rel 6	HSUPA Subtest-5	21.48	21.60	21.48	23.00



LTE Band 5 Ant 1 DSI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20450	20525	20600		
				829	836.5	844		
10	QPSK	1	0	22.39	22.74	22.65	24	0
10	QPSK	1	25	22.62	22.66	22.63		
10	QPSK	1	49	22.51	22.61	22.59		
10	QPSK	25	0	21.59	21.85	21.70	23	1
10	QPSK	25	12	21.65	21.74	21.65		
10	QPSK	25	25	21.72	21.82	21.77		
10	QPSK	50	0	21.65	21.78	21.70	23	1
10	16QAM	1	0	21.68	21.74	21.65		
10	16QAM	1	25	21.68	21.73	21.68		
10	16QAM	1	49	21.64	21.77	21.71	22	2
10	16QAM	25	0	20.95	21.05	20.98		
10	16QAM	25	12	20.98	21.03	21.00		
10	16QAM	25	25	20.95	21.06	21.03	22	2
10	16QAM	50	0	20.95	20.83	20.58		
10	16QAM	50	0	20.95	20.83	20.58		
Channel								
Frequency (MHz)				20425	20523	20625	Tune-up limit (dBm)	MPR (dB)
				823.5	838.5	843.5		
5	QPSK	1	0	22.28	22.68	22.52	24	0
5	QPSK	1	12	22.55	22.52	22.52		
5	QPSK	1	24	22.48	22.53	22.37		
5	QPSK	12	0	21.55	21.79	21.66	23	1
5	QPSK	12	7	21.58	21.71	21.57		
5	QPSK	12	13	21.65	21.71	21.68		
5	QPSK	25	0	21.63	21.69	21.59	23	1
5	16QAM	1	0	21.65	21.70	21.63		
5	16QAM	1	12	21.60	21.68	21.59		
5	16QAM	1	24	21.62	21.65	21.60	22	2
5	16QAM	12	0	20.86	21.01	20.94		
5	16QAM	12	7	20.88	20.94	20.93		
5	16QAM	12	13	20.83	20.94	20.94	22	2
5	16QAM	25	0	20.43	20.52	20.49		
5	16QAM	25	0	20.43	20.52	20.49		
Channel								
Frequency (MHz)				826.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)
				826.5	836.5	847.5		
3	QPSK	1	0	22.35	22.66	22.53	24	0
3	QPSK	1	6	22.54	22.58	22.53		
3	QPSK	1	14	22.47	22.56	22.42		
3	QPSK	8	0	21.48	21.75	21.58	23	1
3	QPSK	8	4	21.56	21.81	21.51		
3	QPSK	8	7	21.62	21.71	21.73		
3	QPSK	15	0	21.60	21.69	21.67	23	1
3	16QAM	1	0	21.57	21.63	21.57		
3	16QAM	1	6	21.56	21.68	21.62		
3	16QAM	1	14	21.60	21.74	21.61	22	2
3	16QAM	8	0	20.82	21.01	20.92		
3	16QAM	8	4	20.92	20.91	20.93		
3	16QAM	8	7	20.89	20.99	20.94	22	2
3	16QAM	15	0	20.51	20.52	20.50		
3	16QAM	15	0	20.51	20.52	20.50		
Channel								
Frequency (MHz)				20407	20523	20643	Tune-up limit (dBm)	MPR (dB)
				824.7	838.5	848.3		
1.4	QPSK	1	0	22.26	22.64	22.55	24	0
1.4	QPSK	1	3	22.57	22.59	22.60		
1.4	QPSK	1	5	22.43	22.49	22.47		
1.4	QPSK	3	0	22.35	22.57	22.63	23	1
1.4	QPSK	3	1	22.57	22.57	22.54		
1.4	QPSK	3	3	22.47	22.55	22.38		
1.4	QPSK	6	0	21.48	21.82	21.57	23	1
1.4	16QAM	1	0	21.52	21.63	21.59		
1.4	16QAM	1	3	21.60	21.80	21.64		
1.4	16QAM	1	5	21.52	21.75	21.56	23	1
1.4	16QAM	3	0	21.51	21.72	21.67		
1.4	16QAM	3	1	21.61	21.72	21.62		
1.4	16QAM	3	3	21.66	21.73	21.68	22	2
1.4	16QAM	3	3	21.66	21.73	21.68		
1.4	16QAM	6	0	20.84	20.97	20.89		

LTE Band 7 Ant 1 DSI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	10.17	10.37	10.28	11.5	0
20	QPSK	1	49	10.21	10.36	10.24		
20	QPSK	1	99	10.04	10.15	10.10		
20	QPSK	50	0	10.15	10.27	10.03	11.5	0
20	QPSK	50	24	10.08	10.17	10.21		
20	QPSK	50	50	9.85	10.07	9.96		
20	QPSK	100	0	10.12	10.26	10.07	11.5	0
20	16QAM	1	0	10.06	10.27	10.24		
20	16QAM	1	49	9.81	10.08	9.97		
20	16QAM	1	99	10.08	10.19	10.07	11.5	0
20	16QAM	50	0	10.04	10.27	10.19		
20	16QAM	50	24	10.13	10.26	10.11		
20	16QAM	50	50	10.04	10.18	10.14	11.5	0
20	16QAM	100	0	9.92	10.12	10.03		
20	16QAM	100	0	9.92	10.12	10.03		
Channel								
Frequency (MHz)				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
				2076.5	2255	2272.5		
15	QPSK	1	0	10.03	10.32	10.11	11.5	0
15	QPSK	1	37	10.16	10.26	10.16		
15	QPSK	1	74	9.97	10.03	9.96		
15	QPSK	36	0	10.12	10.17	9.92	11.5	0
15	QPSK	36	20	10.03	10.03	10.14		
15	QPSK	36	39	9.95	10.03	9.93		
15	QPSK	75	0	10.08	10.14	9.98	11.5	0
15	16QAM	1	0	9.97	10.17	10.14		
15	16QAM	1	37	9.95	10.02	9.83		
15	16QAM	1	74	10.00	10.08	9.84	11.5	0
15	16QAM	36	0	9.90	10.22	10.14		
15	16QAM	36	20	10.01	10.17	10.03		
15	16QAM	36	39	9.93	10.09	10.10	11.5	0
15	16QAM	75	0	9.86	10.04	10.01		
15	16QAM	75	0	9.86	10.04	10.01		
Channel								
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
				2505	2535	2565		
10	QPSK	1	0	10.13	10.34	10.07	11.5	0
10	QPSK	1	25	10.13	10.32	10.20		
10	QPSK	1	49	9.92	10.02	10.01		
10	QPSK	25	0	10.02	10.23	9.95	11.5	0
10	QPSK	25	12	10.00	10.08	10.10		
10	QPSK	25	25	9.95	9.93	9.81		
10	QPSK	50	0	10.01	10.19	9.97	11.5	0
10	16QAM	1	0	10.01	10.25	10.11		
10	16QAM	1	25	9.95	9.86	9.83		
10	16QAM	1	49	10.00	10.05	10.04	11.5	0
10	16QAM	25	0	9.94	10.23	10.08		
10	16QAM	25	12	10.02	10.12	9.98		
10	16QAM	25	25	9.94	10.06	10.01	11.5	0
10	16QAM	50	0	9.88	10.00	9.93		
10	16QAM	50	0	9.88	10.00	9.93		
Channel								
Frequency (MHz)				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
				2076.5	2255	2272.5		
5	QPSK	1	0	10.08	10.29	10.06	11.5	0
5	QPSK	1	12	10.16	10.30	10.19		
5	QPSK	1	24	10.00	10.08	10.06		
5	QPSK	12	0	10.08	10.14	9.95	11.5	0
5	QPSK	12	7	9.95	10.10	10.14		
5	QPSK	12	13	9.95	9.96	9.80		
5	QPSK	25	0	10.08	10.13	10.00	11.5	0
5	16QAM	1	0	10.02	10.18	10.11		
5	16QAM	1	12	9.95	9.97	9.80		
5	16QAM	1	24	10.05	10.08	9.99	11.5	0
5	16QAM	12	0	9.96	10.23	10.08		
5	16QAM	12	7	10.07	10.13	10.08		
5	16QAM	12	13	9.93	10.08	10.06	11.5	0
5	16QAM	25	0	9.88	10.09	9.94		
5	16QAM	25	0	9.88	10.09	9.94		



LTE Band 38 Ant 1 DSI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	0	MPR (dB)
Channel				37650	38000	38150		
Frequency (MHz)				2530	2535	2540		
20	QPSK	1	0	11.85	12.02	11.85	13	0
20	QPSK	1	49	11.69	11.70	11.88		
20	QPSK	1	99	11.85	11.71	11.57		
20	QPSK	50	0	11.83	11.99	11.73		
20	QPSK	50	24	11.71	11.83	11.54		
20	QPSK	50	50	11.79	11.93	11.82	13	0
20	QPSK	100	0	11.81	11.79	11.76		
20	16QAM	1	0	11.82	11.67	11.47		
20	16QAM	1	49	11.67	11.76	11.59	13	0
20	16QAM	1	99	11.71	11.97	11.79		
20	16QAM	50	0	11.59	11.54	11.88		
20	16QAM	50	24	11.46	11.62	11.43	13	0
20	16QAM	50	50	11.77	11.79	11.61		
20	16QAM	100	0	11.86	11.69	11.71		
Channel				37925	38000	38150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2556	2612.5		
15	QPSK	1	0	11.75	11.98	11.83	13	0
15	QPSK	1	37	11.58	11.58	11.81		
15	QPSK	1	74	11.55	11.58	11.44		
15	QPSK	36	0	11.78	11.92	11.66		
15	QPSK	36	20	11.56	11.77	11.59	13	0
15	QPSK	36	39	11.69	11.83	11.71		
15	QPSK	75	0	11.56	11.70	11.62		
15	16QAM	1	0	11.57	11.60	11.37		
15	16QAM	1	37	11.62	11.86	11.49	13	0
15	16QAM	1	74	11.60	11.86	11.69		
15	16QAM	36	0	11.49	11.58	11.79		
15	16QAM	36	20	11.33	11.48	11.39	13	0
15	16QAM	36	39	11.69	11.69	11.55		
15	16QAM	75	0	11.52	11.64	11.59		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				26015	2556	26115		
10	QPSK	1	0	11.81	11.95	11.74	13	0
10	QPSK	1	25	11.62	11.55	11.78		
10	QPSK	1	49	11.53	11.61	11.48		
10	QPSK	25	0	11.73	11.89	11.67		
10	QPSK	25	12	11.56	11.73	11.57	13	0
10	QPSK	25	25	11.66	11.80	11.71		
10	QPSK	50	0	11.48	11.71	11.84		
10	16QAM	1	0	11.58	11.60	11.37		
10	16QAM	1	25	11.61	11.61	11.50	13	0
10	16QAM	1	49	11.63	11.83	11.69		
10	16QAM	25	0	11.46	11.55	11.73		
10	16QAM	25	12	11.40	11.49	11.36	13	0
10	16QAM	25	25	11.73	11.69	11.56		
10	16QAM	50	0	11.57	11.63	11.56		
Channel				2572.5	2556	2617.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	11.78	11.94	11.76	13	0
5	QPSK	1	12	11.62	11.58	11.79		
5	QPSK	1	24	11.54	11.63	11.48		
5	QPSK	12	0	11.68	11.94	11.62		
5	QPSK	12	7	11.58	11.68	11.58	13	0
5	QPSK	12	13	11.74	11.81	11.75		
5	QPSK	25	0	11.53	11.69	11.68		
5	16QAM	1	0	11.47	11.60	11.40	13	0
5	16QAM	1	12	11.63	11.60	11.43		
5	16QAM	1	24	11.56	11.90	11.71		
5	16QAM	12	0	11.53	11.53	11.81		
5	16QAM	12	7	11.31	11.52	11.33	13	0
5	16QAM	12	13	11.72	11.64	11.52		
5	16QAM	25	0	11.54	11.61	11.57		

LTE Band 41 Ant 1 DSI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2599	2645		
20	QPSK	1	0	12.32	12.61	12.74	12.76	13	0
20	QPSK	1	49	12.42	12.49	12.42	12.55		
20	QPSK	1	99	12.43	12.36	12.53	12.43		
20	QPSK	50	0	12.33	12.49	12.68	12.59		
20	QPSK	50	24	12.44	12.48	12.51	12.44	13	0
20	QPSK	50	50	12.56	12.55	12.64	12.65		
20	QPSK	100	0	12.32	12.34	12.52	12.51		
20	16QAM	1	0	12.32	12.31	12.38	12.28		
20	16QAM	1	49	12.40	12.45	12.50	12.31	13	0
20	16QAM	1	99	12.45	12.63	12.73	12.52		
20	16QAM	50	0	12.36	12.38	12.36	12.57		
20	16QAM	50	24	12.31	12.17	12.41	12.12	13	0
20	16QAM	50	50	12.47	12.49	12.59	12.25		
20	16QAM	100	0	12.46	12.46	12.42	12.47		
Channel				25415	2570.5	2599.5	2647.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	12.51	12.51	12.66	12.66	13	0
15	QPSK	1	37	12.35	12.34	12.35	12.50		
15	QPSK	1	74	12.31	12.31	12.47	12.36		
15	QPSK	36	0	12.45	12.40	12.47	12.45		
15	QPSK	36	20	12.37	12.39	12.40	12.32	13	0
15	QPSK	36	39	12.43	12.40	12.49	12.59		
15	QPSK	75	0	12.23	12.22	12.43	12.44		
15	16QAM	1	0	12.26	12.22	12.24	12.22		
15	16QAM	1	37	12.30	12.30	12.41	12.24	13	0
15	16QAM	1	74	12.37	12.59	12.62	12.44		
15	16QAM	36	0	12.28	12.33	12.24	12.42		
15	16QAM	36	20	12.21	12.03	12.34	11.98	13	0
15	16QAM	36	39	12.31	12.40	12.49	12.13		
15	16QAM	75	0	12.40	12.32	12.33	12.41		
Channel				40990	40990	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2570	2560	2596		
10	QPSK	1	0	12.49	12.50	12.62	12.55	13	0
10	QPSK	1	25	12.36	12.36	12.37	12.48		
10	QPSK	1	49	12.27	12.23	12.40	12.31		
10	QPSK	25	0	12.36	12.37	12.63	12.49	13	0
10	QPSK	25	12	12.34	12.35	12.37	12.40		
10	QPSK	25	25	12.62	12.49	12.57	12.55		
10	QPSK	50	0	12.17	12.27	12.44	12.47		
10	16QAM	1	0	12.24	12.15	12.24	12.21	13	0
10	16QAM	1	25	12.32	12.33	12.41	12.16		
10	16QAM	1	49	12.33	12.59	12.66	12.43		
10	16QAM	25	0	12.29	12.28	12.27	12.52		
10	16QAM	25	12	12.16	12.08	12.32	12.08	13	0
10	16QAM	25	25	12.41	12.37	12.50	12.17		
10	16QAM	50	0	12.33	12.35	12.38	12.42		
Channel				2537.5	2569.5	2601.5	2652.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	12.52	12.46	12.60	12.64	13	0
5	QPSK	1	12	12.28	12.37	12.35	12.39		
5	QPSK	1	24	12.28	12.27	12.37	12.36		
5	QPSK	12	0	12.38	12.39	12.59	12.36		
5	QPSK	12	7	12.32	12.39	12.41	12.32	13	0
5	QPSK	12	13	12.41	12.43	12.56	12.54		
5	QPSK	25	0	12.23	12.30	12.48	12.42		
5	16QAM	1	0	12.17	12.16	12.27	12.21	13	0
5	16QAM	1	12	12.33	12.38	12.42	12.23		
5	16QAM	1	24	12.33	12.51	12.57	12.45		
5	16QAM	12	0	12.28	12.30	12.21	12.47		
5	16QAM	12	7	12.20	12.12	12.33	12.06	13	0
5	16QAM	12	13	12.35	12.34	12.53	12.29		
5	16QAM	25	0	12.41	12.42	12.26	12.32		

Bluetooth/WLAN Power

<2.4GHz WLAN>

Ant 5			Full Power		Head&Bodyworn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	16.76	18.00	16.76	18.00	16.76	18.00	98.01
	6	2437	15.64	17.50	15.64	17.50	15.64	17.50	
	11	2462	15.21	17.00	15.21	17.00	15.21	17.00	
802.11g 6Mbps	1	2412	13.41	15.00	13.41	15.00	13.41	15.00	88.68
	2	2417	19.83	21.50	19.83	21.50	16.22	18.00	
	6	2437	19.18	20.50	19.18	20.50	16.05	17.50	
802.11n-HT20 MCSO	10	2457	20.30	22.00	19.36	21.00	16.25	18.00	82.81
	11	2462	12.72	14.50	12.72	14.50	12.72	14.50	
	1	2412	12.56	14.50	Not Requested	21.00	Not Requested	18.00	
	2	2417	19.34	21.00	Not Requested	20.50	Not Requested	17.50	
	6	2437	19.36	20.50	Not Requested	21.00	Not Requested	18.00	
	10	2457	20.63	22.00	Not Requested	21.00	Not Requested	18.00	
	11	2462	12.88	14.50	Not Requested	14.50	Not Requested	14.50	

<5.2GHz WLAN>

Ant 5			Full Power		Head		Bodyworn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	17.29	19.00	15.42	17.00	12.64	14.50	9.77	11.50	89.10
	40	5200	18.42	20.00	15.49	17.00	12.79	14.50	9.90	11.50	
	44	5220	18.48	20.00	15.63	17.00	12.88	14.50	9.95	11.50	
802.11n-HT20 MCSO	48	5240	18.05	20.00	15.47	17.00	12.71	14.50	9.83	11.50	86.81
	36	5180	16.57	18.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	40	5200	18.48	20.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
802.11ac-VHT20 MCSO	44	5220	18.45	20.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	87.43
	48	5240	18.22	20.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	36	5180	16.50	18.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	40	5200	17.65	19.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	44	5220	17.49	19.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	48	5240	17.35	19.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	

<5.3GHz WLAN>

Ant 5			Full Power		Head		Bodyworn&Extremity		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	17.95	19.50	15.79	17.00	12.99	14.50	89.10
	56	5280	17.91	19.50	15.76	17.00	12.93	14.50	
	60	5300	18.17	20.00	15.83	17.00	13.09	14.50	
802.11n-HT20 MCSO	64	5320	18.02	20.00	15.81	17.00	13.05	14.50	86.81
	52	5260	18.12	20.00	Not Requested	17.00	Not Requested	14.50	
	56	5280	18.08	20.00	Not Requested	17.00	Not Requested	14.50	
802.11ac-VHT20 MCSO	60	5300	18.10	20.00	Not Requested	17.00	Not Requested	14.50	87.43
	64	5320	18.18	20.00	Not Requested	17.00	Not Requested	14.50	
	52	5260	17.33	19.00	Not Requested	17.00	Not Requested	14.50	
	56	5280	17.21	19.00	Not Requested	17.00	Not Requested	14.50	
	60	5300	17.39	19.00	Not Requested	17.00	Not Requested	14.50	
	64	5320	17.30	19.00	Not Requested	17.00	Not Requested	14.50	

<5.5GHz WLAN>

Ant 5			Full Power		Head		Bodyworn&Extremity		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	18.01	19.50	15.15	16.50	12.54	14.50	89.10
	116	5580	18.53	20.00	15.39	16.50	12.65	14.50	
	124	5620	18.47	20.00	15.49	16.50	12.59	14.50	
802.11n-HT20 MCSO	132	5660	18.51	20.00	15.51	16.50	12.51	14.50	86.81
	140	5700	17.31	19.00	15.18	16.50	12.63	14.50	
	100	5500	17.15	19.00	Not Requested	16.50	Not Requested	14.50	
802.11ac-VHT20 MCSO	116	5580	18.58	20.00	Not Requested	16.50	Not Requested	14.50	87.43
	124	5620	18.54	20.00	Not Requested	16.50	Not Requested	14.50	
	132	5660	18.50	20.00	Not Requested	16.50	Not Requested	14.50	
	140	5700	16.52	18.00	Not Requested	16.50	Not Requested	14.50	
	100	5500	17.07	18.50	Not Requested	16.50	Not Requested	14.50	
	116	5580	17.67	19.50	Not Requested	16.50	Not Requested	14.50	
	124	5620	17.63	19.50	Not Requested	16.50	Not Requested	14.50	
	132	5660	17.61	19.50	Not Requested	16.50	Not Requested	14.50	
	140	5700	16.43	18.00	Not Requested	16.50	Not Requested	14.50	

<5.8GHz WLAN>

Ant 5			Full Power		Head		Bodyworn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	17.86	19.50	14.18	16.00	9.11	11.00	7.55	9.50	89.10
	157	5785	18.25	20.00	14.27	16.00	9.52	11.00	7.67	9.50	
	165	5825	18.03	20.00	14.06	16.00	9.21	11.00	7.51	9.50	
802.11n-HT20 MCSO	149	5745	17.96	19.50	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	86.81
	157	5785	18.39	20.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	
	165	5825	18.20	20.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	
802.11ac-VHT20 MCSO	149	5745	17.89	19.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	87.43
	157	5785	17.53	19.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	
	165	5825	17.34	19.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	



<Bluetooth>

Mode	Channel	Frequency (MHz)	Ant 5			Tune-up Limit
			Average power (dBm)			
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	9.31	7.14	7.09	10.50
	CH 39	2441	7.96	6.09	6.01	9.00
	CH 76	2480	7.41	6.05	6.13	9.00

BLE 1M

Mode	Channel	Frequency (MHz)	Ant 5	
			Average power (dBm)	
			0.5M	1M
LE	CH 00	2402	0.71	
	CH 19	2440	-0.77	
	CH 39	2480	-1.68	
Tune-up Limit			1.5	

BLE 2M

Mode	Channel	Frequency (MHz)	Ant 5	
			Average power (dBm)	
			1M	2M
LE	CH 00	2402	0.25	
	CH 19	2440	-0.64	
	CH 39	2480	-1.40	
Tune-up Limit			1.50	