



Full Power Mode for WWAN

GSM850 Full power&DS12													
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
	128	189	251		128	189	251						
Frequency (MHz)	824.2	836.4	848.8	24.50	824.2	836.4	848.8	24.50					
GSM 1 Tx slot	33.11	32.89	32.80	33.50	24.11	23.89	23.80	24.50					
GPRS 1 Tx slots	33.10	32.88	32.77	33.50	24.10	23.88	23.77	24.50					
GPRS 2 Tx slots	30.50	30.71	30.35	31.50	24.50	24.71	24.35	25.50					
GPRS 3 Tx slots	28.10	28.35	28.19	29.50	23.84	24.09	23.93	25.24					
GPRS 4 Tx slots	25.86	26.06	25.97	27.50	22.86	23.06	22.97	24.50					
EDGE 1 Tx slot	26.36	26.38	26.37	27.50	17.36	17.38	17.37	18.50					
EDGE 2 Tx slots	24.25	24.27	24.23	25.50	18.25	18.27	18.23	19.50					
EDGE 3 Tx slots	22.07	22.15	22.09	23.50	17.81	17.89	17.83	19.24					
EDGE 4 Tx slots	20.64	20.72	20.93	21.50	17.64	17.72	17.93	18.50					
GSM1900 Full power&DS12													
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
	512	661	810		512	661	810						
Frequency (MHz)	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50					
GSM 1 Tx slot	30.08	30.10	30.07	30.50	21.08	21.10	21.07	21.50					
GPRS 1 Tx slot	30.06	29.99	30.05	30.50	21.06	20.99	21.05	21.50					
GPRS 2 Tx slots	28.06	28.18	28.17	28.50	22.06	22.18	22.17	22.50					
GPRS 3 Tx slots	25.92	25.81	25.92	26.50	21.66	21.55	21.66	22.24					
GPRS 4 Tx slots	23.68	23.64	23.74	24.50	20.68	20.64	20.74	21.50					
EDGE 1 Tx slot	25.75	25.66	25.60	26.50	16.75	16.66	16.60	17.50					
EDGE 2 Tx slots	23.57	23.41	23.40	24.50	17.57	17.41	17.40	18.50					
EDGE 3 Tx slots	21.35	21.21	21.36	22.50	17.09	16.95	17.10	18.24					
EDGE 4 Tx slots	19.50	19.44	19.49	20.50	16.50	16.44	16.49	17.50					
WCDMA I Full power&DS12			WCDMA IV Full power&DS12			WCDMA V Full power&DS12							
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V				
Rx Channel	9282	9400	9538		1312	1413	1513		4132	4182	4233		
Frequency (MHz)	9682	9800	9938	1537	1638	1738	4357	4407	4458				
	1852.4	1880	1907.6	1712.4	1732.6	1752.6	836.4	838.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	23.48	23.50	23.47	24.00	22.88	23.10	23.05	24.00	23.20	23.23	23.13	24.00
3GPP Rel 99	RMC 12.2Kbps	23.50	23.51	23.49	24.00	22.88	23.11	23.07	24.00	23.21	23.26	23.15	24.00
3GPP Rel 6	HSDPA Subtest-1	22.56	22.50	22.54	23.00	22.11	22.03	22.13	23.00	22.08	22.14	22.18	23.00
3GPP Rel 6	HSDPA Subtest-2	22.49	22.54	22.40	23.00	21.85	22.11	21.79	23.00	22.05	22.29	22.34	23.00
3GPP Rel 6	HSDPA Subtest-3	21.93	22.02	21.86	22.50	21.65	21.62	21.44	22.50	21.78	21.54	21.55	22.50
3GPP Rel 6	HSDPA Subtest-4	21.81	21.80	21.84	22.50	21.48	21.72	21.28	22.50	21.36	21.58	21.63	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.62	22.64	22.51	23.00	22.14	21.94	22.07	23.00	22.39	22.13	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.50	22.55	22.39	23.00	21.81	22.10	21.85	23.00	22.34	22.34	22.33	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.63	21.95	21.55	22.50	21.60	21.55	21.39	22.50	21.83	21.64	21.45	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.80	22.08	21.70	22.50	21.56	21.88	21.54	22.50	21.47	21.77	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	22.53	22.37	22.70	23.00	21.85	21.92	22.14	23.00	22.18	22.15	22.40	23.00
3GPP Rel 6	HSUPA Subtest-2	20.69	20.76	20.46	21.00	19.94	19.80	19.74	21.00	20.14	20.23	20.35	21.00
3GPP Rel 6	HSUPA Subtest-3	21.53	21.79	21.69	22.00	20.96	21.25	21.02	22.00	21.23	21.21	20.85	22.00
3GPP Rel 6	HSUPA Subtest-4	20.23	20.30	20.21	21.00	19.88	19.71	19.83	21.00	19.90	20.06	20.12	21.00
3GPP Rel 6	HSUPA Subtest-5	22.82	22.55	22.68	23.00	21.81	21.97	22.03	23.00	22.05	22.15	22.35	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.19	20.30	20.28	20.50	19.59	19.69	19.58	21.00	19.49	19.57	19.47	21.00



Band 2 -Ant 0 Full power&DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	0	22.52	22.54	22.51	24
20	QPSK	1	49	22.36	22.45	22.47	
20	QPSK	1	99	22.38	22.38	22.48	23
20	QPSK	50	0	21.83	21.86	21.73	
20	QPSK	50	24	21.70	21.82	21.71	23
20	QPSK	50	50	21.85	21.72	21.75	
20	QPSK	100	0	21.68	21.79	21.73	23
20	16QAM	1	0	21.85	21.77	21.77	
20	16QAM	1	49	21.81	21.71	21.73	23
20	16QAM	1	99	21.92	21.73	21.70	
20	16QAM	50	0	20.64	20.78	20.80	22
20	16QAM	50	24	20.75	20.85	20.71	
20	16QAM	50	50	20.65	20.68	20.67	22
20	16QAM	100	0	20.73	20.70	20.79	
20	64QAM	1	0	20.78	20.74	20.83	22
20	64QAM	1	49	20.69	20.80	20.75	
20	64QAM	1	99	20.65	20.66	20.74	21
20	64QAM	50	0	19.71	19.75	19.77	
20	64QAM	50	24	19.71	19.74	19.64	21
20	64QAM	50	50	19.72	19.63	19.63	
20	64QAM	100	0	19.78	19.67	19.73	21
20	64QAM	100	0	19.78	19.67	19.73	
Channel							
Frequency (MHz)							
15	QPSK	1	0	22.47	22.39	22.35	24
15	QPSK	1	37	22.28	22.34	22.42	
15	QPSK	1	74	22.25	22.36	22.30	23
15	QPSK	36	0	21.81	21.59	21.70	
15	QPSK	36	20	21.67	21.69	21.54	23
15	QPSK	36	39	21.83	21.66	21.62	
15	QPSK	75	0	21.86	21.55	21.78	23
15	16QAM	1	0	21.76	21.58	21.63	
15	16QAM	1	37	21.78	21.57	21.62	22
15	16QAM	1	74	21.73	21.69	21.62	
15	16QAM	36	0	20.56	20.71	20.64	22
15	16QAM	36	20	20.56	20.52	20.57	
15	16QAM	36	39	20.50	20.52	20.53	22
15	16QAM	75	0	20.68	20.53	20.74	
15	64QAM	1	0	20.59	20.70	20.73	22
15	64QAM	1	37	20.61	20.65	20.63	
15	64QAM	1	74	20.46	20.49	20.73	21
15	64QAM	36	0	19.59	19.71	19.63	
15	64QAM	36	20	19.65	19.59	19.54	21
15	64QAM	36	39	19.68	19.48	19.72	
15	64QAM	75	0	19.76	19.50	19.55	21
15	64QAM	75	0	19.76	19.50	19.55	
Channel							
Frequency (MHz)							
10	QPSK	1	0	22.37	22.39	22.35	24
10	QPSK	1	25	22.19	22.29	22.43	
10	QPSK	1	49	22.37	22.25	22.44	23
10	QPSK	25	0	21.71	21.59	21.67	
10	QPSK	25	12	21.53	21.79	21.67	23
10	QPSK	25	25	21.72	21.66	21.69	
10	QPSK	50	0	21.76	21.54	21.71	23
10	16QAM	1	0	21.76	21.59	21.60	
10	16QAM	1	25	21.68	21.64	21.54	23
10	16QAM	1	49	21.60	21.68	21.61	
10	16QAM	25	0	20.52	20.64	20.64	22
10	16QAM	25	12	20.63	20.48	20.52	
10	16QAM	25	25	20.53	20.60	20.63	22
10	16QAM	50	0	20.60	20.51	20.73	
10	64QAM	1	0	20.66	20.70	20.64	22
10	64QAM	1	25	20.65	20.76	20.70	
10	64QAM	1	49	20.54	20.52	20.64	21
10	64QAM	25	0	19.62	19.63	19.71	
10	64QAM	25	12	19.58	19.57	19.51	21
10	64QAM	25	25	19.65	19.47	19.63	
10	64QAM	50	0	19.64	19.50	19.66	21
10	64QAM	50	0	19.64	19.50	19.66	
Channel							
Frequency (MHz)							
5	QPSK	1	0	22.44	22.40	22.41	24
5	QPSK	1	12	22.32	22.26	22.42	
5	QPSK	1	24	22.29	22.38	22.31	23
5	QPSK	12	0	21.78	21.67	21.64	
5	QPSK	12	7	21.61	21.54	21.71	23
5	QPSK	12	13	21.76	21.69	21.64	
5	QPSK	25	0	21.72	21.64	21.67	23
5	16QAM	1	0	21.67	21.72	21.72	
5	16QAM	1	12	21.80	21.67	21.59	23
5	16QAM	1	24	21.62	21.54	21.52	
5	16QAM	12	0	20.50	20.63	20.68	22
5	16QAM	12	7	20.68	20.63	20.57	
5	16QAM	12	13	20.59	20.58	20.53	22
5	16QAM	25	0	20.69	20.54	20.73	
5	64QAM	1	0	20.62	20.70	20.74	22
5	64QAM	1	12	20.60	20.66	20.72	
5	64QAM	1	24	20.50	20.57	20.66	22
5	64QAM	12	0	19.57	19.66	19.64	
5	64QAM	12	7	19.58	19.51	19.52	21
5	64QAM	12	13	19.54	19.60	19.64	
5	64QAM	25	0	19.64	19.58	19.65	21
5	64QAM	25	0	19.64	19.58	19.65	
Channel							
Frequency (MHz)							
3	QPSK	1	0	22.36	22.37	22.48	24
3	QPSK	1	8	22.34	22.36	22.46	
3	QPSK	1	14	22.27	22.37	22.38	23
3	QPSK	8	0	21.69	21.56	21.60	
3	QPSK	8	4	21.56	21.75	21.66	23
3	QPSK	8	7	21.83	21.72	21.65	
3	QPSK	15	0	21.85	21.66	21.64	23
3	16QAM	1	0	21.77	21.67	21.73	
3	16QAM	1	8	21.69	21.64	21.53	23
3	16QAM	1	14	21.66	21.55	21.67	
3	16QAM	8	0	20.53	20.72	20.71	22
3	16QAM	8	4	20.74	20.47	20.58	
3	16QAM	8	7	20.46	20.64	20.65	22
3	16QAM	15	0	20.62	20.70	20.74	
3	64QAM	1	0	20.73	20.56	20.70	22
3	64QAM	1	8	20.57	20.78	20.55	
3	64QAM	1	14	20.58	20.53	20.72	22
3	64QAM	8	0	19.68	19.60	19.65	
3	64QAM	8	4	19.63	19.62	19.48	21
3	64QAM	8	7	19.52	19.57	19.61	
3	64QAM	15	0	19.61	19.62	19.60	21
3	64QAM	15	0	19.61	19.62	19.60	
Channel							
Frequency (MHz)							
1.4	QPSK	1	0	22.20	22.34	22.32	24
1.4	QPSK	1	3	22.27	22.31	22.33	
1.4	QPSK	1	6	22.29	22.21	22.30	23
1.4	QPSK	3	0	22.25	22.23	22.35	
1.4	QPSK	3	1	22.18	22.21	22.41	23
1.4	QPSK	3	3	22.28	22.21	22.39	
1.4	QPSK	6	0	21.28	21.40	21.42	23
1.4	16QAM	1	0	21.27	21.40	21.44	
1.4	16QAM	1	3	21.29	21.46	21.42	23
1.4	16QAM	1	5	21.34	21.38	21.41	
1.4	16QAM	3	0	21.45	21.37	21.56	23
1.4	16QAM	3	1	21.32	21.40	21.65	
1.4	16QAM	3	3	21.30	21.33	21.53	22
1.4	16QAM	6	0	20.43	20.37	20.47	
1.4	64QAM	1	0	20.35	20.46	20.40	22
1.4	64QAM	1	3	20.38	20.40	20.49	
1.4	64QAM	1	5	20.38	20.36	20.57	22
1.4	64QAM	3	0	20.35	20.42	20.57	
1.4	64QAM	3	1	20.35	20.42	20.55	22
1.4	64QAM	3	3	20.46	20.37	20.47	
1.4	64QAM	6	0	19.40	19.40	19.47	21
1.4	64QAM	6	0	19.40	19.40	19.47	

Band 4 -Ant 0 Full power&DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	0	22.57	22.52	22.61	24
20	QPSK	1	49	22.59	22.64	22.65	
20	QPSK	1	99	22.64	22.57	22.74	23
20	QPSK	50	0	21.83	21.84	21.68	
20	QPSK	50	24	21.68	21.69	21.66	23
20	QPSK	50	50	21.73	21.68	21.68	
20	QPSK	100	0	21.74	21.79	21.73	23
20	16QAM	1	0	21.81	21.75	21.75	
20	16QAM	1	49	21.80	21.71	21.79	23
20	16QAM	1	99	21.88	21.67	21.59	
20	16QAM	50	0	20.65	20.68	20.83	22
20	16QAM	50	24	20.67	20.73	20.76	
20	16QAM	50	50	20.72	20.67	20.75	22
20	16QAM	100	0	20.75	20.80	20.74	
20	64QAM	1	0	20.68	20.72	20.67	22
20	64QAM	1	49	20.71	20.79	20.71	
20	64QAM	1	99	20.74	20.71	20.83	21
20	64QAM	50	0	19.66	19.71	19.71	
20	64QAM	50	24	19.64			



Band 7-Ant 5 Full power&DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				20850	21100	21350			
Frequency (MHz)				2560	2535	2550			
20	QPSK	1	0	22.68	22.79	22.78			
20	QPSK	1	49	22.76	22.72	22.77		24	
20	QPSK	1	99	22.77	22.66	22.77			
20	QPSK	50	0	21.82	21.85	21.71			
20	QPSK	50	24	21.73	21.69	21.84		23	
20	QPSK	50	50	21.57	21.75	21.69			
20	QPSK	100	0	21.83	21.84	21.83			
20	16QAM	1	0	21.87	21.78	21.86			
20	16QAM	1	49	21.84	21.84	21.73		23	
20	16QAM	1	99	21.77	21.74	21.76			
20	16QAM	50	0	20.80	20.72	20.81			
20	16QAM	50	24	20.79	20.76	20.82			
20	16QAM	50	50	20.72	20.75	20.74		22	
20	16QAM	100	0	20.71	20.85	20.89			
20	64QAM	1	0	20.78	20.88	20.84			
20	64QAM	1	49	20.74	20.85	20.86		22	
20	64QAM	1	99	20.81	20.80	20.73			
20	64QAM	50	0	19.82	19.79	19.83			
20	64QAM	50	24	19.71	19.71	19.88			
20	64QAM	50	50	19.86	19.74	19.88		21	
20	64QAM	100	0	19.78	19.82	19.86			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.59	22.74	22.72			
15	QPSK	1	37	22.74	22.72	22.76		24	
15	QPSK	1	74	22.66	22.61	22.63			
15	QPSK	36	0	21.80	21.73	21.53			
15	QPSK	36	20	21.67	21.56	21.70		23	
15	QPSK	36	39	21.37	21.73	21.61			
15	QPSK	75	0	21.81	21.71	21.70			
15	16QAM	1	0	21.79	21.71	21.67		23	
15	16QAM	1	37	21.71	21.79	21.72			
15	16QAM	1	74	21.58	21.73	21.61			
15	16QAM	36	0	20.85	20.84	20.77			
15	16QAM	36	20	20.71	20.76	20.69		22	
15	16QAM	36	39	20.58	20.85	20.67			
15	16QAM	75	0	20.52	20.69	20.85			
15	64QAM	1	0	20.61	20.79	20.77			
15	64QAM	1	37	20.68	20.66	20.74		22	
15	64QAM	1	74	20.67	20.61	20.64			
15	64QAM	36	0	19.81	19.71	19.71			
15	64QAM	36	20	19.62	19.67	19.88		21	
15	64QAM	36	39	19.70	19.63	19.65			
15	64QAM	75	0	19.65	19.81	19.68			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.55	22.77	22.61			
10	QPSK	1	25	22.66	22.57	22.61		24	
10	QPSK	1	49	22.74	22.60	22.73			
10	QPSK	25	0	21.79	21.69	21.55			
10	QPSK	25	12	21.58	21.54	21.65		23	
10	QPSK	25	25	21.37	21.55	21.51			
10	QPSK	50	0	21.65	21.62	21.81			
10	16QAM	1	0	21.85	21.75	21.73		23	
10	16QAM	1	25	21.66	21.84	21.67			
10	16QAM	1	49	21.74	21.58	21.71		23	
10	16QAM	25	0	20.66	20.55	20.79			
10	16QAM	25	12	20.74	20.68	20.76		22	
10	16QAM	25	25	20.56	20.65	20.73			
10	16QAM	50	0	20.61	20.73	20.71			
10	64QAM	1	0	20.76	20.85	20.78			
10	64QAM	1	25	20.74	20.76	20.78		22	
10	64QAM	1	49	20.79	20.63	20.67			
10	64QAM	25	0	19.74	19.60	19.67			
10	64QAM	25	12	19.65	19.60	19.77		21	
10	64QAM	25	25	19.77	19.64	19.66			
10	64QAM	50	0	19.74	19.78	19.69			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.57	22.62	22.71			
5	QPSK	1	12	22.64	22.63	22.57		24	
5	QPSK	1	24	22.59	22.46	22.60			
5	QPSK	12	0	21.68	21.66	21.56			
5	QPSK	12	7	21.67	21.68	21.75		23	
5	QPSK	12	13	21.55	21.72	21.58			
5	QPSK	25	0	21.74	21.69	21.80			
5	16QAM	1	0	21.85	21.68	21.78		23	
5	16QAM	1	12	21.80	21.77	21.57			
5	16QAM	1	24	21.59	21.68	21.68			
5	16QAM	12	0	20.72	20.63	20.64		22	
5	16QAM	12	7	20.73	20.72	20.66			
5	16QAM	12	13	20.56	20.60	20.56			
5	16QAM	25	0	20.55	20.68	20.70			
5	64QAM	1	0	20.63	20.63	20.73		22	
5	64QAM	1	12	20.73	20.77	20.69			
5	64QAM	1	24	20.62	20.63	20.73			
5	64QAM	12	0	19.67	19.88	19.81		21	
5	64QAM	12	7	19.60	19.63	19.87			
5	64QAM	12	13	19.76	19.55	19.76			
5	64QAM	25	0	19.73	19.67	19.78			

Band 12 -Ant 0 Full power&DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				23060	23095	23130			
Frequency (MHz)				726	725	711			
10	QPSK	1	0	22.76	22.84	22.77			
10	QPSK	1	25	22.73	22.75	22.81		24	
10	QPSK	1	49	22.64	22.76	22.74			
10	QPSK	25	0	21.77	21.87	21.81			
10	QPSK	25	12	21.76	21.82	21.86		23	
10	QPSK	25	25	21.73	21.84	21.80			
10	QPSK	50	0	21.80	21.82	21.81			
10	16QAM	1	0	21.83	21.84	21.89			
10	16QAM	1	25	21.90	21.85	21.82		23	
10	16QAM	1	49	21.93	21.89	21.83			
10	16QAM	25	0	20.94	20.87	20.84			
10	16QAM	25	12	20.84	20.89	20.79		22	
10	16QAM	25	25	20.86	20.93	20.86			
10	16QAM	50	0	20.81	20.85	20.88			
10	64QAM	1	0	20.87	20.79	20.75			
10	64QAM	1	25	20.94	20.83	20.92		22	
10	64QAM	1	49	20.78	20.85	20.93			
10	64QAM	25	0	19.75	19.92	19.88			
10	64QAM	25	12	19.79	19.76	19.76		21	
10	64QAM	25	25	19.77	19.85	19.85			
10	64QAM	50	0	19.92	19.78	19.79			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.67	22.65	22.57			
5	QPSK	1	12	22.67	22.70	22.72		24	
5	QPSK	1	24	22.62	22.76	22.65			
5	QPSK	12	0	21.74	21.75	21.75			
5	QPSK	12	7	21.66	21.63	21.73		23	
5	QPSK	12	13	21.62	21.71	21.62			
5	QPSK	25	0	21.68	21.66	21.79			
5	16QAM	1	0	21.76	21.74	21.82		23	
5	16QAM	1	12	21.77	21.80	21.62			
5	16QAM	1	24	21.89	21.85	21.80			
5	16QAM	12	0	20.88	20.68	20.75		22	
5	16QAM	12	7	20.74	20.70	20.65			
5	16QAM	12	13	20.80	20.87	20.85			
5	16QAM	25	0	20.62	20.69	20.80			
5	64QAM	1	0	20.80	20.63	20.65		22	
5	64QAM	1	12	20.75	20.83	20.80			
5	64QAM	1	24	20.66	20.80	20.79		21	
5	64QAM	12	0	19.55	19.77	19.75			
5	64QAM	12	7	19.72	19.69	19.58		21	
5	64QAM	12	13	19.75	19.70	19.78			
5	64QAM	25	0	19.90	19.78	19.76			
Channel				23025	23095	23165			
Frequency (MHz)									



Band 26 -Ant 0 Full power&DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel							26765	26865	26965
Frequency (MHz)							2315	2337	2315
15	QPSK	1	0	23.38	23.57	23.57	24		
15	QPSK	1	37	23.48	23.49	23.42			
15	QPSK	1	74	23.45	23.48	23.52			
15	QPSK	36	0	22.43	22.52	22.49	23		
15	QPSK	36	20	22.50	22.37	22.49			
15	QPSK	36	39	22.35	22.45	22.43			
15	QPSK	75	0	22.46	22.49	22.38	23		
15	16QAM	1	0	22.49	22.45	22.43			
15	16QAM	1	37	22.57	22.48	22.40			
15	16QAM	1	74	22.48	22.36	22.45	22		
15	16QAM	36	0	21.55	21.45	21.49			
15	16QAM	36	20	21.49	21.43	21.43			
15	16QAM	36	39	21.59	21.51	21.65	22		
15	16QAM	75	0	21.31	21.56	21.46			
15	64QAM	1	0	21.50	21.67	21.54			
15	64QAM	1	37	21.58	21.55	21.35	22		
15	64QAM	1	74	21.36	21.52	21.47			
15	64QAM	36	0	20.37	20.43	20.57			
15	64QAM	36	20	20.28	20.44	20.45	21		
15	64QAM	36	39	20.37	20.52	20.54			
15	64QAM	75	0	20.42	20.60	20.44			
Channel							26740	26865	26990
Frequency (MHz)							819	831.5	844
10	QPSK	1	0	23.35	23.45	23.39	24		
10	QPSK	1	25	23.41	23.47	23.31			
10	QPSK	1	49	23.32	23.32	23.37			
10	QPSK	25	0	22.37	22.29	22.43	23		
10	QPSK	25	12	22.46	22.20	22.40			
10	QPSK	25	25	22.35	22.26	22.41			
10	QPSK	50	0	22.38	22.34	22.33	23		
10	16QAM	1	0	22.32	22.30	22.27			
10	16QAM	1	25	22.42	22.40	22.39			
10	16QAM	1	49	22.42	22.25	22.35	22		
10	16QAM	25	0	21.41	21.27	21.43			
10	16QAM	25	12	21.42	21.25	21.25			
10	16QAM	25	25	21.52	21.47	21.50	22		
10	16QAM	50	0	21.30	21.38	21.42			
10	64QAM	1	0	21.32	21.66	21.40			
10	64QAM	1	25	21.56	21.46	21.42	22		
10	64QAM	1	49	21.18	21.42	21.45			
10	64QAM	25	0	20.33	20.27	20.49			
10	64QAM	25	12	20.20	20.33	20.28	21		
10	64QAM	25	25	20.32	20.51	20.44			
10	64QAM	50	0	20.33	20.55	20.28			
Channel							26715	26865	27015
Frequency (MHz)							816.5	831.5	846.5
5	QPSK	1	0	23.27	23.51	23.47	24		
5	QPSK	1	12	23.34	23.33	23.41			
5	QPSK	1	24	23.45	23.31	23.37			
5	QPSK	12	0	22.26	22.31	22.40	23		
5	QPSK	12	7	22.31	22.27	22.35			
5	QPSK	12	13	22.25	22.39	22.34			
5	QPSK	25	0	22.33	22.22	22.36	23		
5	16QAM	1	0	22.33	22.35	22.30			
5	16QAM	1	12	22.41	22.40	22.23			
5	16QAM	1	24	22.35	22.25	22.36	22		
5	16QAM	12	0	21.54	21.28	21.46			
5	16QAM	12	7	21.40	21.37	21.28			
5	16QAM	12	13	21.56	21.32	21.55	22		
5	16QAM	25	0	21.21	21.53	21.41			
5	64QAM	1	0	21.40	21.48	21.38			
5	64QAM	1	12	21.44	21.50	21.34	22		
5	64QAM	1	24	21.30	21.44	21.29			
5	64QAM	12	0	20.28	20.41	20.50			
5	64QAM	12	7	20.26	20.32	20.38	21		
5	64QAM	12	13	20.18	20.36	20.53			
5	64QAM	25	0	20.31	20.42	20.28			
Channel							26705	26865	27025
Frequency (MHz)							815.5	831.5	847.5
3	QPSK	1	0	23.30	23.50	23.34	24		
3	QPSK	1	8	23.35	23.33	23.33			
3	QPSK	1	14	23.30	23.31	23.49			
3	QPSK	8	0	22.26	22.44	22.43	23		
3	QPSK	8	4	22.36	22.23	22.38			
3	QPSK	8	7	22.34	22.27	22.33			
3	QPSK	15	0	22.38	22.38	22.26	23		
3	16QAM	1	0	22.48	22.36	22.43			
3	16QAM	1	8	22.44	22.38	22.31			
3	16QAM	1	14	22.32	22.25	22.38	22		
3	16QAM	8	0	21.39	21.44	21.40			
3	16QAM	8	4	21.41	21.43	21.37			
3	16QAM	8	7	21.45	21.42	21.46	22		
3	16QAM	15	0	21.31	21.39	21.36			
3	64QAM	1	0	21.35	21.49	21.47			
3	64QAM	1	8	21.39	21.51	21.18	22		
3	64QAM	1	14	21.19	21.39	21.46			
3	64QAM	8	0	20.34	20.28	20.47			
3	64QAM	8	4	20.15	20.27	20.27	21		
3	64QAM	8	7	20.21	20.38	20.44			
3	64QAM	15	0	20.36	20.59	20.30			
Channel							26697	26865	27033
Frequency (MHz)							814.7	831.5	848.3
1.4	QPSK	1	0	23.16	23.36	23.30	24		
1.4	QPSK	1	3	23.30	23.14	23.24			
1.4	QPSK	1	5	23.10	23.22	23.48			
1.4	QPSK	3	0	23.16	23.40	23.16	23		
1.4	QPSK	3	1	23.19	23.48	23.16			
1.4	QPSK	3	3	23.27	23.29	23.22			
1.4	QPSK	6	0	22.35	22.48	22.29	23		
1.4	16QAM	1	0	22.36	22.32	22.27			
1.4	16QAM	1	3	22.20	22.27	22.42			
1.4	16QAM	1	5	22.23	22.42	22.26	23		
1.4	16QAM	3	0	22.24	22.41	22.35			
1.4	16QAM	3	1	22.36	22.27	22.42			
1.4	16QAM	3	3	22.30	22.38	22.41	22		
1.4	16QAM	6	0	21.36	21.56	21.33			
1.4	64QAM	1	0	21.37	21.41	21.27			
1.4	64QAM	1	3	21.28	21.39	21.43	22		
1.4	64QAM	1	5	21.32	21.53	21.25			
1.4	64QAM	3	0	21.37	21.50	21.43			
1.4	64QAM	3	1	21.35	21.40	21.42	21		
1.4	64QAM	3	3	21.24	21.24	21.40			
1.4	64QAM	6	0	20.28	20.40	20.43			

Band 66 -Ant 0 Full power&DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel							132072	132322	132572
Frequency (MHz)							1725	1745	1770
20	QPSK	1	0	22.82	22.81	22.71	24		
20	QPSK	1	49	22.63	22.80	22.80			
20	QPSK	1	99	22.65	22.70	22.73			
20	QPSK	50	0	21.91	21.94	21.71	23		
20	QPSK	50	24	21.76	21.72	21.78			
20	QPSK	50	50	21.91	21.83	21.71			
20	QPSK	100	0	21.85	21.86	21.78	23		
20	16QAM	1	0	21.99	21.93	21.85			
20	16QAM	1	49	21.94	21.78	21.96			
20	16QAM	1	99	21.83	21.83	21.89	22		
20	16QAM	50	0	20.70	20.78	20.83			
20	16QAM	50	24	20.84	20.88	20.82			
20	16QAM	50	50	20.86	20.72	20.79	22		
20	16QAM	100	0	20.83	20.95	20.81			
20	64QAM	1	0	20.74	20.76	20.80			
20	64QAM	1	49	20.81	20.94	20.85	22		
20	64QAM	1	99	20.90	20.76	20.91			
20	64QAM	50	0	19.70	19.73	19.84			
20	64QAM	50	24	19.95	19.96	19.88	21		
20	64QAM	50	50	19.77	19.84	19.74			
20	64QAM	100	0	19.87	19.98	19.85			
Channel							132047	132322	132597
Frequency (MHz)							1717.5	1745	1772.5
15	QPSK	1	0	22.46	22.73	22.58	24		
15	QPSK	1	37	22.50	22.61	22.77			
15	QPSK	1	74	22.57	22.65	22.57			
15	QPSK	36	0	21.86	21.93	21.68	23		
15	QPSK	36	20	21.72	21.67	21.76			
15	QPSK	36	39	21.73	21.79	21.54			
15	QPSK	75	0	21.84	21.84	21.63	23		
15	16QAM	1	0	21.91	21.83	21.71			
15	16QAM								



Band 38 -Ant 5 Full power&DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.65	22.71	22.63			
20	QPSK	1	49	22.67	22.68	22.54	24		
20	QPSK	1	99	22.47	22.65	22.50			
20	QPSK	50	0	21.64	21.80	21.77			
20	QPSK	50	24	21.71	21.70	21.74	23		
20	QPSK	50	50	21.71	21.78	21.67			
20	QPSK	100	0	21.69	21.78	21.68			
20	16QAM	1	0	21.65	21.69	21.81			
20	16QAM	1	49	21.73	21.82	21.69	23		
20	16QAM	1	99	21.75	21.75	21.80			
20	16QAM	50	0	21.03	21.06	21.05			
20	16QAM	50	24	20.95	20.99	20.98	22		
20	16QAM	50	50	20.88	20.91	20.88			
20	16QAM	100	0	20.90	20.89	20.91			
20	64QAM	1	0	20.94	21.06	20.96			
20	64QAM	1	49	21.01	20.90	21.06	22		
20	64QAM	1	99	21.04	21.07	20.89			
20	64QAM	50	0	19.77	19.86	19.83			
20	64QAM	50	24	19.86	19.84	19.92	21		
20	64QAM	50	50	19.76	19.90	19.79			
20	64QAM	100	0	19.84	19.80	19.91			
Channel				37825	38000	38175	Tune-up limit (dBm)		
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.48	22.69	22.59			
15	QPSK	1	37	22.50	22.53	22.50	24		
15	QPSK	1	74	22.45	22.64	22.43			
15	QPSK	36	0	21.45	21.79	21.66			
15	QPSK	36	20	21.61	21.61	21.57	23		
15	QPSK	36	39	21.68	21.72	21.54			
15	QPSK	75	0	21.56	21.59	21.48			
15	16QAM	1	0	21.58	21.60	21.81			
15	16QAM	1	37	21.71	21.74	21.60	23		
15	16QAM	1	74	21.73	21.57	21.77			
15	16QAM	36	0	20.95	20.96	20.94			
15	16QAM	36	20	20.78	20.90	20.94	22		
15	16QAM	36	39	20.69	20.73	20.88			
15	16QAM	75	0	20.91	20.77	20.73			
15	64QAM	1	0	20.82	20.93	20.84			
15	64QAM	1	37	20.86	20.85	21.02	22		
15	64QAM	1	74	20.90	21.01	20.86			
15	64QAM	36	0	19.77	19.72	19.75			
15	64QAM	36	20	19.75	19.73	19.76	21		
15	64QAM	36	39	19.58	19.84	19.78			
15	64QAM	75	0	19.82	19.63	19.74			
Channel				37800	38000	38200	Tune-up limit (dBm)		
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.48	22.61	22.48			
10	QPSK	1	25	22.48	22.65	22.52	24		
10	QPSK	1	49	22.31	22.55	22.43			
10	QPSK	25	0	21.58	21.79	21.72			
10	QPSK	25	12	21.56	21.51	21.59	23		
10	QPSK	25	25	21.70	21.69	21.66			
10	QPSK	50	0	21.64	21.66	21.60			
10	16QAM	1	0	21.57	21.51	21.69			
10	16QAM	1	25	21.68	21.65	21.64	23		
10	16QAM	1	49	21.64	21.64	21.65			
10	16QAM	25	0	20.84	20.94	20.86			
10	16QAM	25	12	20.87	20.92	20.92	22		
10	16QAM	25	25	20.70	20.74	20.77			
10	16QAM	50	0	20.80	20.87	20.73			
10	64QAM	1	0	20.87	21.06	20.93			
10	64QAM	1	25	20.89	20.88	21.06	22		
10	64QAM	1	49	20.96	21.04	20.76			
10	64QAM	25	0	19.70	19.85	19.71			
10	64QAM	25	12	19.85	19.67	19.81	21		
10	64QAM	25	25	19.61	19.82	19.78			
10	64QAM	50	0	19.80	19.73	19.85			
Channel				37775	38000	38225	Tune-up limit (dBm)		
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.46	22.56	22.54			
5	QPSK	1	12	22.51	22.53	22.38	24		
5	QPSK	1	24	22.45	22.53	22.42			
5	QPSK	12	0	21.53	21.70	21.69			
5	QPSK	12	7	21.65	21.53	21.55	23		
5	QPSK	12	13	21.62	21.78	21.52			
5	QPSK	25	0	21.66	21.59	21.66			
5	16QAM	1	0	21.65	21.63	21.69			
5	16QAM	1	12	21.60	21.77	21.50	23		
5	16QAM	1	24	21.70	21.72	21.74			
5	16QAM	12	0	21.02	20.90	21.02			
5	16QAM	12	7	20.79	20.96	20.96	22		
5	16QAM	12	13	20.74	20.84	20.71			
5	16QAM	25	0	20.95	20.81	20.90			
5	64QAM	1	0	20.78	20.93	20.92			
5	64QAM	1	12	20.82	20.73	21.05	22		
5	64QAM	1	24	20.89	20.91	20.77			
5	64QAM	12	0	19.71	19.77	19.69			
5	64QAM	12	7	19.84	19.77	19.85	21		
5	64QAM	12	13	19.63	19.76	19.70			
5	64QAM	25	0	19.67	19.76	19.80			

Band 41 -Ant 5 Full power&DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.76	22.78	22.79	22.68	22.63	
20	QPSK	1	49	22.68	22.71	22.59	22.55	22.68	24
20	QPSK	1	99	22.58	22.78	22.54	22.43	22.55	
20	QPSK	50	0	21.64	21.91	21.94	21.64	21.86	
20	QPSK	50	24	21.88	21.89	21.90	21.85	21.93	23
20	QPSK	50	50	21.72	21.88	21.72	21.55	21.81	
20	QPSK	100	0	21.72	21.71	21.77	21.76	21.71	
20	16QAM	1	0	21.71	21.84	21.88	21.83	21.95	
20	16QAM	1	49	21.75	21.98	21.74	21.71	21.86	23
20	16QAM	1	99	21.80	21.95	21.82	21.64	22.00	
20	16QAM	50	0	21.04	21.22	21.19	21.05	21.18	
20	16QAM	50	24	21.12	21.01	20.98	20.86	21.02	22
20	16QAM	50	50	21.04	20.91	20.91	20.98	20.90	
20	16QAM	100	0	21.10	20.90	21.05	21.00	21.08	
20	64QAM	1	0	20.97	21.14	21.02	20.81	21.11	
20	64QAM	1	49	21.20	20.96	21.22	21.04	21.15	22
20	64QAM	1	99	21.15	21.07	21.02	20.96	20.96	
20	64QAM	50	0	19.86	19.97	20.02	19.98	20.02	
20	64QAM	50	24	20.04	19.85	20.06	19.90	20.02	21
20	64QAM	50	50	19.83	20.09	19.86	19.82	19.96	
20	64QAM	100	0	20.02	19.92	20.01	19.97	20.07	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.65	22.72	22.70	22.46	22.46	
15	QPSK	1	37	22.53	22.64	22.50	22.49	22.49	24.00
15	QPSK	1	74	22.52	22.60	22.45	22.50	22.50	
15	QPSK	36	0	21.48	21.80	21.75	21.84	21.84	
15	QPSK	36	20	21.75	21.88	21.90	21.74	21.74	23
15	QPSK	36	39	21.70	21.78	21.60	21.69	21.69	
15	QPSK	75	0	21.63	21.51	21.65	21.59	21.59	
15	16QAM	1	0	21.64	21.84	21.86	21.80	21.80	
15	16QAM	1	37	21.65	21.91	21.62	21.75	21.75	23
15	16QAM	1	74	21.72	21.80	21.74	21.91	21.91	
15	16QAM	36	0	20.94	21.07	21.19	21.11	21.11	
15	16QAM	36	20	20.93	20.90	20.81	20.86	20.86	22
15	16QAM	36	39	21.01	20.88	20.85	20.76	20.76	
15	16QAM	75	0	20.96	20.76	20.86	20.82	20.82	
15	64QAM	1	0	20.80	20.98	20.90	21.06	21.06	
15	64QAM	1	37	21.12	20.77	21.07	20.98	20.98	22
15	64QAM	1	74	21.05	21.04	20.98	20.76	20.76	
15	64QAM	36							



Reduced Power Mode for WWAN

Band		WCDMA II DSI3			Tune-up Limit (dBm)	WCDMA IV DSI3			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513	
TX Channel		9262	9400	9538	19.00	1312	1413	1513	18.50
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.52	18.59	18.47	19.00	17.43	17.60	17.49	18.50
3GPP Rel 99	RMC 12.2Kbps	18.53	18.62	18.47	19.00	17.59	17.64	17.48	18.50
3GPP Rel 6	HSDPA Subtest-1	17.61	17.50	17.59	18.00	16.68	16.48	16.56	17.50
3GPP Rel 6	HSDPA Subtest-2	17.58	17.56	17.44	18.00	16.41	16.59	16.31	17.50
3GPP Rel 6	HSDPA Subtest-3	17.01	17.08	16.89	17.50	16.06	16.09	15.85	17.00
3GPP Rel 6	HSDPA Subtest-4	16.86	16.88	16.75	17.50	16.00	16.20	15.86	17.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.61	17.74	17.60	18.00	16.60	16.46	16.59	17.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.53	17.52	17.43	18.00	16.33	16.51	16.27	17.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.70	16.87	16.45	17.50	16.15	16.05	15.90	17.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.84	17.04	16.76	17.50	16.14	16.15	16.11	17.00
3GPP Rel 6	HSUPA Subtest-1	17.55	17.44	17.65	18.00	16.39	16.50	16.64	17.50
3GPP Rel 6	HSUPA Subtest-2	15.73	15.67	15.44	16.00	14.50	14.26	14.20	15.50
3GPP Rel 6	HSUPA Subtest-3	16.48	16.85	16.73	17.00	15.56	15.73	15.61	16.50
3GPP Rel 6	HSUPA Subtest-4	15.27	15.28	15.30	16.00	14.46	14.23	14.37	15.50
3GPP Rel 6	HSUPA Subtest-5	17.73	17.59	17.66	18.00	16.23	16.53	16.47	17.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.11	15.23	15.33	15.50	13.99	14.18	14.16	15.00



Band 2 -Ant 0 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)
20	QPSK	1	0	17.00	17.00	17.00	
20	QPSK	1	49	16.78	16.87	16.94	18.5
20	QPSK	1	99	16.56	16.67	16.73	
20	QPSK	50	0	16.90	17.19	17.00	
20	QPSK	50	24	16.73	16.81	16.87	18.5
20	QPSK	50	49	16.56	16.67	16.73	
20	QPSK	100	0	16.99	17.05	17.02	
20	16QAM	1	0	16.65	16.72	16.80	18.5
20	16QAM	1	49	16.76	16.86	16.88	
20	16QAM	1	99	16.94	16.82	16.81	18.5
20	16QAM	50	0	16.62	16.70	16.88	
20	16QAM	50	24	16.76	16.81	16.72	18.5
20	16QAM	50	49	16.71	16.84	17.05	
20	16QAM	100	0	16.67	16.72	16.83	18.5
20	16QAM	100	24	16.88	16.88	16.82	
20	16QAM	100	49	17.05	16.89	16.70	18.5
20	16QAM	1	99	16.62	16.83	16.82	
20	16QAM	50	0	16.84	16.83	16.77	18.5
20	16QAM	50	24	16.80	16.72	16.88	
20	16QAM	50	49	16.76	16.82	16.88	18.5
20	16QAM	100	0	16.88	16.85	16.85	
20	16QAM	100	24	16.88	16.85	16.85	18.5
20	16QAM	100	49	16.88	16.85	16.85	
15	QPSK	1	0	16.59	16.59	16.59	
15	QPSK	1	37	16.85	16.70	16.75	18.5
15	QPSK	1	74	16.79	16.80	16.82	
15	QPSK	36	0	16.81	16.94	16.83	
15	QPSK	36	20	16.96	16.75	16.83	18.5
15	QPSK	36	39	16.71	16.81	16.85	
15	QPSK	75	0	16.94	16.74	16.88	
15	16QAM	1	0	16.53	16.56	16.57	18.5
15	16QAM	1	37	16.68	16.83	16.79	
15	16QAM	1	74	16.82	16.77	16.86	18.5
15	16QAM	36	0	16.59	16.55	16.86	
15	16QAM	36	20	16.63	16.72	16.85	18.5
15	16QAM	36	39	16.68	16.72	16.97	
15	16QAM	75	0	16.77	16.61	16.80	18.5
15	16QAM	75	20	16.76	16.88	16.80	
15	16QAM	75	39	16.86	16.79	16.90	18.5
15	16QAM	1	74	16.58	16.65	16.71	
15	16QAM	36	0	16.68	16.65	16.68	18.5
15	16QAM	36	20	16.84	16.84	16.84	
15	16QAM	36	39	16.87	16.65	16.76	18.5
15	16QAM	75	0	16.76	16.83	16.71	
15	16QAM	75	20	16.76	16.83	16.71	18.5
15	16QAM	75	39	16.76	16.83	16.71	
15	16QAM	1	74	16.58	16.65	16.71	18.5
15	16QAM	36	0	16.68	16.65	16.68	
15	16QAM	36	20	16.84	16.84	16.84	18.5
15	16QAM	36	39	16.87	16.65	16.76	
15	16QAM	75	0	16.76	16.83	16.71	18.5
15	16QAM	75	20	16.76	16.83	16.71	
15	16QAM	75	39	16.76	16.83	16.71	18.5
15	16QAM	1	74	16.58	16.65	16.71	
15	16QAM	36	0	16.68	16.65	16.68	18.5
15	16QAM	36	20	16.84	16.84	16.84	
15	16QAM	36	39	16.87	16.65	16.76	18.5
15	16QAM	75	0	16.76	16.83	16.71	
15	16QAM	75	20	16.76	16.83	16.71	18.5
15	16QAM	75	39	16.76	16.83	16.71	
15	16QAM	1	74	16.58	16.65	16.71	18.5
15	16QAM	36	0	16.68	16.65	16.68	
15	16QAM	36	20	16.84	16.84	16.84	18.5
15	16QAM	36	39	16.87	16.65	16.76	
15	16QAM	75	0	16.76	16.83	16.71	18.5
15	16QAM	75	20	16.76	16.83	16.71	
15	16QAM	75	39	16.76	16.83	16.71	18.5
15	16QAM	1	74	16.58	16.65	16.71	
15	16QAM	36	0	16.68	16.65	16.68	18.5
15	16QAM	36	20	16.84	16.84	16.84	
15	16QAM	36	39	16.87	16.65	16.76	18.5
15	16QAM	75	0	16.76	16.83	16.71	
15	16QAM	75	20	16.76	16.83	16.71	18.5
15	16QAM	75	39	16.76	16.83	16.71	
15	16QAM	1	74	16.58	16.65	16.71	18.5
15	16QAM	36	0	16.68	16.65	16.68	
15	16QAM	36	20	16.84	16.84	16.84	18.5
15	16QAM	36	39	16.87	16.65	16.76	
15	16QAM	75	0	16.76	16.83	16.71	18.5
15	16QAM	75	20	16.76	16.83	16.71	
15	16QAM	75	39	16.76	16.83	16.71	18.5
15	16QAM	1	74	16.58	16.65	16.71	
15	16QAM	36	0	16.68	16.65	16.68	18.5
15	16QAM	36	20	16.84	16.84	16.84	
15	16QAM	36	39	16.87	16.65	16.76	18.5
15	16QAM	75	0	16.76	16.83	16.71	
15	16QAM	75	20	16.76	16.83	16.71	18.5
15	16QAM	75	39	16.76	16.83	16.71	
15	16QAM	1	74	16.58	16.65	16.71	18.5
15	16QAM	36	0	16.68	16.65	16.68	
15	16QAM	36	20	16.84	16.84	16.84	18.5
15	16QAM	36	39	16.87	16.65	16.76	
15	16QAM	75	0	16.76	16.83	16.71	18.5
15	16QAM	75	20	16.76	16.83	16.71	
15	16QAM	75	39	16.76	16.83	16.71	18.5
15	16QAM	1	74	16.58	16.65	16.71	
15	16QAM	36	0	16.68	16.65	16.68	18.5
15	16QAM	36	20	16.84	16.84	16.84	
15	16QAM	36	39	16.87	16.65	16.76	18.5
15	16QAM	75	0	16.76	16.83	16.71	
15	16QAM	75	20	16.76	16.83	16.71	18.5
15	16QAM	75	39	16.76	16.83	16.71	
15	16QAM	1	74	16.58	16.65	16.71	18.5
15	16QAM	36	0	16.68	16.65	16.68	
15	16QAM	36	20	16.84	16.84	16.84	18.5
15	16QAM	36	39	16.87	16.65	16.76	
15	16QAM	75	0	16.76	16.83	16.71	18.5
15	16QAM	75	20	16.76	16.83	16.71	
15	16QAM	75	39	16.76	16.83	16.71	18.5
15	16QAM	1	74	16.58	16.65	16.71	
15	16QAM	36	0	16.68	16.65	16.68	18.5
15	16QAM	36	20	16.84	16.84	16.84	
15	16QAM	36	39	16.87	16.65	16.76	18.5
15	16QAM	75	0	16.76	16.83	16.71	
15	16QAM	75	20	16.76	16.83	16.71	18.5
15	16QAM	75	39	16.76	16.83	16.71	
15	16QAM	1	74	16.58	16.65	16.71	18.5
15	16QAM	36	0	16.68	16.65	16.68	
15	16QAM	36	20	16.84	16.84	16.84	18.5
15	16QAM	36	39	16.87	16.65	16.76	
15	16QAM	75	0	16.76	16.83	16.71	18.5
15	16QAM	75	20	16.76	16.83	16.71	
15	16QAM	75	39	16.76	16.83	16.71	18.5
15	16QAM	1	74	16.58	16.65	16.71	
15	16QAM	36	0	16.68	16.65	16.68	18.5
15	16QAM	36	20	16.84	16.84	16.84	
15	16QAM	36	39	16.87	16.65	16.76	18.5
15	16QAM	75	0	16.76	16.83	16.71	
15	16QAM	75	20	16.76	16.83	16.71	18.5
15	16QAM	75	39	16.76	16.83	16.71	
15	16QAM	1	74	16.58	16.65	16.71	18.5
15	16QAM	36	0	16.68	16.65	16.68	
15	16QAM	36	20	16.84	16.84	16.84	18.5
15	16QAM	36	39	16.87	16.65	16.76	
15	16QAM	75	0	16.76	16.83	16.71	18.5
15	16QAM	75	20	16.76	16.83	16.71	
15	16QAM	75	39	16.76	16.83	16.71	18.5
15	16QAM	1	74	16.58	16.65	16.71	
15	16QAM	36	0	16.68	16.65	16.68	18.5
15	16QAM	36	20	16.84	16.84	16.84	
15	16QAM	36	39	16.87	16.65	16.76	18.5
15	16QAM	75	0	16.76	16.83	16.71	
15	16QAM	75	20	16.76	16.83	16.71	18.5
15	16QAM	75	39	16.76	16.83	16.71	
15	16QAM	1	74	16.58	16.65	16.71	18.5
15	16QAM	36	0	16.68	16.65	16.68	
15	16QAM	36	20	16.84	16.84	16.84	18.5
15	16QAM	36	39	16.87	16.65	16.76	
15	16QAM	75	0	16.76	16.83	16.71	18.5
15	16QAM	75	20	16.76	16.83	16.71	
15	16QAM	75	39	16.76	16.8		



Band 38 -Ant 5 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.64	21.84	21.76	23		
20	QPSK	1	49	21.55	21.46	21.40			
20	QPSK	1	99	21.59	21.38	21.54			
20	QPSK	50	0	21.81	21.84	21.79	23		
20	QPSK	50	24	21.52	21.46	21.58			
20	QPSK	50	50	21.78	21.43	21.54			
20	QPSK	100	0	21.60	21.78	21.72	23		
20	16QAM	1	0	21.77	21.73	21.67			
20	16QAM	1	49	21.66	21.55	21.31			
20	16QAM	1	99	21.73	21.32	21.32	22		
20	16QAM	50	0	20.79	20.65	20.56			
20	16QAM	50	24	20.57	20.50	20.41			
20	16QAM	50	50	20.79	20.56	20.52	22		
20	16QAM	100	0	20.53	20.71	20.71			
20	64QAM	1	0	20.77	20.62	20.49			
20	64QAM	1	49	20.55	20.45	20.38	22		
20	64QAM	1	99	20.54	20.52	20.47			
20	64QAM	50	0	19.73	19.59	19.71			
20	64QAM	50	24	19.62	19.79	19.63	21		
20	64QAM	50	50	19.62	19.34	19.34			
20	64QAM	100	0	19.58	19.52	19.33			
Channel				37825	38000	38175	Tune-up limit (dBm)		
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.66	21.75	21.70	23		
15	QPSK	1	37	21.59	21.33	21.57			
15	QPSK	1	74	21.69	21.53	21.53			
15	QPSK	36	0	21.74	21.72	21.65	23		
15	QPSK	36	20	21.42	21.48	21.40			
15	QPSK	36	39	21.74	21.38	21.53			
15	QPSK	75	0	21.58	21.79	21.70	23		
15	16QAM	1	0	21.80	21.58	21.66			
15	16QAM	1	37	21.54	21.61	21.43			
15	16QAM	1	74	21.61	21.43	21.48	22		
15	16QAM	36	0	20.73	20.72	20.57			
15	16QAM	36	20	20.70	20.60	20.31			
15	16QAM	36	39	20.66	20.52	20.62	22		
15	16QAM	75	0	20.62	20.76	20.78			
15	64QAM	1	0	20.72	20.63	20.50			
15	64QAM	1	37	20.56	20.61	20.28	22		
15	64QAM	1	74	20.58	20.40	20.39			
15	64QAM	36	0	19.66	19.54	19.71			
15	64QAM	36	20	19.50	19.67	19.56	21		
15	64QAM	36	39	19.58	19.36	19.29			
15	64QAM	75	0	19.51	19.53	19.19			
Channel				37800	38000	38200	Tune-up limit (dBm)		
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.58	21.83	21.72	23		
10	QPSK	1	25	21.59	21.37	21.59			
10	QPSK	1	49	21.61	21.54	21.60			
10	QPSK	25	0	21.66	21.75	21.81	23		
10	QPSK	25	12	21.47	21.47	21.43			
10	QPSK	25	25	21.76	21.45	21.65			
10	QPSK	50	0	21.54	21.72	21.67	23		
10	16QAM	1	0	21.78	21.62	21.64			
10	16QAM	1	25	21.69	21.48	21.40			
10	16QAM	1	49	21.68	21.54	21.34	22		
10	16QAM	25	0	20.65	20.76	20.71			
10	16QAM	25	12	20.68	20.44	20.40			
10	16QAM	25	25	20.77	20.44	20.57	22		
10	16QAM	50	0	20.69	20.77	20.68			
10	64QAM	1	0	20.72	20.51	20.64			
10	64QAM	1	25	20.57	20.49	20.31	22		
10	64QAM	1	49	20.69	20.43	20.34			
10	64QAM	25	0	19.80	19.70	19.79			
10	64QAM	25	12	19.58	19.73	19.69	21		
10	64QAM	25	25	19.76	19.52	19.30			
10	64QAM	50	0	19.68	19.50	19.27			
Channel				37775	38000	38225	Tune-up limit (dBm)		
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.49	21.80	21.75	23		
5	QPSK	1	12	21.53	21.36	21.56			
5	QPSK	1	24	21.73	21.47	21.49			
5	QPSK	12	0	21.77	21.70	21.67	23		
5	QPSK	12	7	21.47	21.54	21.40			
5	QPSK	12	13	21.81	21.49	21.66			
5	QPSK	25	0	21.60	21.59	21.77	23		
5	16QAM	1	0	21.75	21.62	21.57			
5	16QAM	1	12	21.54	21.60	21.40			
5	16QAM	1	24	21.60	21.35	21.33	22		
5	16QAM	12	0	20.71	20.79	20.64			
5	16QAM	12	7	20.60	20.56	20.38			
5	16QAM	12	13	20.71	20.42	20.47	22		
5	16QAM	25	0	20.54	20.79	20.76			
5	64QAM	1	0	20.71	20.54	20.59			
5	64QAM	1	12	20.64	20.46	20.24	22		
5	64QAM	1	24	20.65	20.52	20.40			
5	64QAM	12	0	19.66	19.62	19.81			
5	64QAM	12	7	19.60	19.65	19.63	21		
5	64QAM	12	13	19.64	19.37	19.59			
5	64QAM	25	0	19.58	19.55	19.16			

Band 41 -Ant 5 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2508	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.85	21.69	21.89	21.80	21.61	23
20	QPSK	1	49	21.67	21.64	21.52	21.61	21.75	
20	QPSK	1	99	21.60	21.78	21.57	21.65	21.53	
20	QPSK	50	0	21.70	21.85	21.87	21.83	21.59	23
20	QPSK	50	24	21.72	21.62	21.55	21.47	21.63	
20	QPSK	50	50	21.65	21.88	21.56	21.42	21.49	
20	QPSK	100	0	21.71	21.76	21.80	21.79	21.66	23
20	16QAM	1	0	21.84	21.82	21.78	21.74	21.61	
20	16QAM	1	49	21.61	21.73	21.64	21.50	21.58	
20	16QAM	1	99	21.65	21.74	21.45	21.50	21.47	22
20	16QAM	50	0	20.79	20.85	20.86	20.76	20.57	
20	16QAM	50	24	20.77	20.73	20.65	20.50	20.62	
20	16QAM	50	50	20.65	20.80	20.58	20.64	20.46	22
20	16QAM	100	0	20.84	20.71	20.84	20.84	20.54	
20	64QAM	1	0	20.79	20.87	20.70	20.67	20.67	
20	64QAM	1	49	20.76	20.71	20.65	20.45	20.67	22
20	64QAM	1	99	20.58	20.70	20.59	20.49	20.47	
20	64QAM	50	0	19.75	19.83	19.73	19.83	19.57	
20	64QAM	50	24	19.80	19.70	19.84	19.72	19.57	21
20	64QAM	50	50	19.60	19.78	19.54	19.42	19.68	
20	64QAM	100	0	19.60	19.70	19.64	19.36	19.51	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.68	21.59	21.56	21.78	21.43	23.00
15	QPSK	1	37	21.52	21.51	21.45	21.53	21.72	
15	QPSK	1	74	21.50	21.59	21.50	21.47	21.49	
15	QPSK	36	0	21.53	21.76	21.68	21.77	21.40	23
15	QPSK	36	20	21.57	21.59	21.52	21.35	21.54	
15	QPSK	36	39	21.49	21.75	21.42	21.31	21.40	
15	QPSK	75	0	21.62	21.68	21.63	21.61	21.60	23
15	16QAM	1	0	21.68	21.66	21.75	21.60	21.56	
15	16QAM	1	37	21.44	21.54	21.52	21.31	21.56	
15	16QAM	1	74	21.48	21.71	21.26	21.31	21.28	22
15	16QAM	36	0	20.71	20.65	20.73	20.58	20.53	
15	16QAM	36	20	20.74	20.59	20.54	20.44	20.42	
15	16QAM	36	39	20.62	20.72	20.51	20.55	20.29	22
15	16QAM	75	0	20.83	20.65	20.75	20.69	20.52	
15	64QAM	1	0	20.65	20.75	20.51	20.48	20.51	
15	64QAM	1	37	20.58	20.61	20.50	20.43	20.58	22
15	64QAM	1	74	20.40	20.52	20.56	20.44	20.32	
15	64QAM	36	0	19.69	19.80	19.65	19.80	19.38	
15	64QAM	36	20	19.67	19.66	19.76	19.69	19.46	21
15	64QAM	36	39	19.45	19.62	19.48	19.34	19.63	
15	64QAM	75	0	19.56	19.51	19.49	19.23	19.39	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	Q								



Band		WCDMA II DSI 6			Tune-up Limit (dBm)	WCDMA IV DSI 6			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513	
TX Channel		9262	9400	9538	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.51	22.50	22.35	23.00	20.84	21.02	21.00	22.00
3GPP Rel 99	RMC 12.2Kbps	22.53	22.56	22.43	23.00	20.92	21.11	21.13	22.00
3GPP Rel 6	HSDPA Subtest-1	21.62	21.48	21.57	22.00	20.14	20.12	20.23	21.00
3GPP Rel 6	HSDPA Subtest-2	21.53	21.48	21.45	22.00	19.89	20.09	19.84	21.00
3GPP Rel 6	HSDPA Subtest-3	20.84	21.11	20.93	21.50	19.62	19.71	19.45	20.50
3GPP Rel 6	HSDPA Subtest-4	20.71	20.77	20.91	21.50	19.57	19.81	19.33	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.68	21.60	21.44	22.00	20.11	20.01	19.98	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.54	21.50	21.46	22.00	19.81	20.16	19.92	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.65	20.95	20.57	21.50	19.64	19.45	19.41	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.81	21.13	20.68	21.50	19.61	19.71	19.51	20.50
3GPP Rel 6	HSUPA Subtest-1	21.54	21.38	21.74	22.00	19.83	19.99	20.10	21.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.80	19.46	20.00	17.98	17.88	17.71	19.00
3GPP Rel 6	HSUPA Subtest-3	20.55	20.82	20.61	21.00	18.88	19.32	19.02	20.00
3GPP Rel 6	HSUPA Subtest-4	19.33	19.31	19.30	20.00	17.88	17.66	17.88	19.00
3GPP Rel 6	HSUPA Subtest-5	21.77	21.48	21.63	22.00	19.73	19.88	20.00	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.16	19.28	19.35	19.50	17.67	17.77	17.60	18.50



Band 2 - Ant 0 DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 1890	Power Middle Ch. Freq. 1900	Power High Ch. Freq. 1910	Turn-up time (dBm)		
20	QPSK	1	0	20.87	21.10	20.92	22.5		
20	QPSK	1	49	20.90	20.87	21.02			
20	QPSK	1	99	20.87	20.88	20.92	22.5		
20	QPSK	50	0	21.08	21.09	21.00			
20	QPSK	50	24	20.89	21.03	20.98	22.5		
20	QPSK	50	50	20.92	20.89	21.00			
20	QPSK	100	0	20.92	21.08	20.95	22.5		
20	16QAM	1	0	21.08	20.99	21.05			
20	16QAM	1	49	20.82	20.94	20.88	22		
20	16QAM	1	99	20.79	20.87	20.71			
20	16QAM	50	0	20.61	20.67	20.71	22		
20	16QAM	50	24	20.59	20.47	20.69			
20	16QAM	50	50	20.64	20.63	20.59	22		
20	16QAM	100	0	20.54	20.62	20.76			
20	64QAM	1	0	20.76	20.55	20.83	22		
20	64QAM	1	49	20.50	20.77	20.72			
20	64QAM	1	99	20.58	20.49	20.60	21		
20	64QAM	50	0	19.56	19.64	19.63			
20	64QAM	50	24	19.56	19.64	19.63	21		
20	64QAM	50	50	19.06	19.61	19.63			
20	64QAM	100	0	19.60	19.58	19.56	21		
20	64QAM	100	0	19.60	19.58	19.56			
Channel									
Frequency (MHz)				1897.5	1890	1912.5	Turn-up time (dBm)		
15	QPSK	1	0	21.03	21.10	21.07	22.5		
15	QPSK	1	37	20.86	20.86	21.01			
15	QPSK	1	74	21.03	21.03	21.05	22.5		
15	QPSK	36	0	21.04	21.00	20.92			
15	QPSK	36	20	20.73	20.94	20.97	22.5		
15	QPSK	36	20	20.76	20.96	20.76			
15	QPSK	75	0	20.76	20.96	20.98	22.5		
15	16QAM	1	0	21.07	20.93	20.89			
15	16QAM	1	37	20.67	20.79	20.69	22.5		
15	16QAM	1	74	20.73	20.73	20.81			
15	16QAM	36	0	20.49	20.65	20.62	22		
15	16QAM	36	20	20.47	20.38	20.52			
15	16QAM	36	39	20.44	20.49	20.49	22		
15	16QAM	75	0	20.48	20.46	20.41			
15	64QAM	1	0	20.76	20.55	20.68	22		
15	64QAM	1	37	20.40	20.64	20.55			
15	64QAM	1	74	20.51	20.39	20.47	21		
15	64QAM	36	0	19.56	19.59	19.61			
15	64QAM	36	39	19.59	19.44	19.46	21		
15	64QAM	36	39	19.59	19.44	19.46			
15	64QAM	75	0	19.49	19.53	19.47	21		
15	64QAM	75	0	19.49	19.53	19.47			
Channel									
Frequency (MHz)				1895	1890	1905	Turn-up time (dBm)		
10	QPSK	1	0	20.92	21.10	20.92	22.5		
10	QPSK	1	49	20.76	20.86	20.85			
10	QPSK	25	0	20.90	21.01	21.00	22.5		
10	QPSK	25	12	20.81	20.89	20.88			
10	QPSK	25	12	20.81	20.79	20.87	22.5		
10	QPSK	50	0	20.81	21.07	20.99			
10	16QAM	1	0	21.00	20.85	20.87	22.5		
10	16QAM	1	25	20.66	20.90	20.78			
10	16QAM	1	49	20.62	20.85	20.78	22		
10	16QAM	25	0	20.49	20.60	20.61			
10	16QAM	25	12	20.46	20.34	20.49	22		
10	16QAM	25	12	20.51	20.47	20.51			
10	16QAM	50	0	20.39	20.42	20.75	22		
10	16QAM	50	24	20.46	20.34	20.49			
10	64QAM	1	0	20.53	20.71	20.70	22		
10	64QAM	1	49	20.53	20.35	20.50			
10	64QAM	25	0	19.50	19.46	19.55	21		
10	64QAM	25	12	19.55	19.43	19.42			
10	64QAM	25	12	19.55	19.43	19.42	21		
10	64QAM	50	0	19.50	19.44	19.51			
Channel									
Frequency (MHz)				1892.5	1890	1917.5	Turn-up time (dBm)		
5	QPSK	1	0	20.91	21.11	20.97	22.5		
5	QPSK	1	24	20.77	20.81	20.92			
5	QPSK	1	24	20.77	20.74	20.85	22.5		
5	QPSK	12	0	20.99	20.87	20.83			
5	QPSK	12	7	20.82	20.97	20.86	22.5		
5	QPSK	12	13	20.76	20.76	20.89			
5	QPSK	25	0	20.74	20.93	20.85	22.5		
5	16QAM	1	0	20.92	20.83	21.01			
5	16QAM	1	12	20.64	20.67	20.88	22.5		
5	16QAM	1	24	20.67	20.84	20.90			
5	16QAM	12	0	20.52	20.69	20.85	22		
5	16QAM	12	7	20.47	20.33	20.74			
5	16QAM	12	13	20.51	20.54	20.50	22		
5	16QAM	25	0	20.39	20.57	20.65			
5	64QAM	1	0	20.73	20.41	20.79	22		
5	64QAM	1	24	20.32	20.69	20.66			
5	64QAM	1	24	20.54	20.42	20.51	22		
5	64QAM	12	0	19.55	19.63	19.44			
5	64QAM	12	7	19.57	19.45	19.46	21		
5	64QAM	12	13	19.52	19.42	19.41			
5	64QAM	25	0	19.59	19.40	19.41	21		
5	64QAM	25	0	19.59	19.40	19.41			
Channel									
Frequency (MHz)				1897.5	1890	1917.5	Turn-up time (dBm)		
3	QPSK	1	0	20.95	21.04	21.04	22.5		
3	QPSK	1	8	20.71	20.87	20.86			
3	QPSK	1	14	20.80	20.70	20.89	22.5		
3	QPSK	8	0	20.99	20.87	20.81			
3	QPSK	8	4	20.88	21.02	20.95	22.5		
3	QPSK	8	7	20.78	20.72	20.84			
3	QPSK	15	0	20.76	20.88	20.87	22.5		
3	16QAM	1	0	20.99	20.88	21.04			
3	16QAM	1	8	20.82	20.79	20.71	22.5		
3	16QAM	1	14	20.60	20.77	20.85			
3	16QAM	8	0	20.47	20.64	20.66	22		
3	16QAM	8	7	20.50	20.33	20.59			
3	16QAM	8	7	20.51	20.54	20.57	22		
3	16QAM	15	0	20.51	20.59	20.58			
3	64QAM	1	0	20.62	20.45	20.79	22		
3	64QAM	1	8	20.34	20.72	20.72			
3	64QAM	1	14	20.48	20.41	20.41	22		
3	64QAM	8	0	19.52	19.64	19.60			
3	64QAM	8	4	19.44	19.43	19.49	21		
3	64QAM	8	7	19.57	19.50	19.58			
3	64QAM	15	0	19.54	19.40	19.36	21		
3	64QAM	15	0	19.54	19.40	19.36			
Channel									
Frequency (MHz)				1897.5	1890	1909.5	Turn-up time (dBm)		
1.4	QPSK	1	0	20.88	21.03	20.96	22.5		
1.4	QPSK	1	3	20.94	20.83	20.86			
1.4	QPSK	1	5	20.71	20.69	20.74	22.5		
1.4	QPSK	3	0	20.84	20.87	20.98			
1.4	QPSK	3	3	20.83	20.93	20.79	22.5		
1.4	QPSK	3	3	20.63	20.87	20.91			
1.4	QPSK	6	0	20.92	20.82	20.96	22.5		
1.4	16QAM	1	0	20.86	20.99	20.77			
1.4	16QAM	1	3	20.85	20.98	20.84	22.5		
1.4	16QAM	1	5	20.85	20.68	20.70			
1.4	16QAM	3	0	20.65	20.59	20.71	22.5		
1.4	16QAM	3	3	21.02	20.83	20.86			
1.4	16QAM	3	3	20.92	20.79	20.66	22		
1.4	16QAM	6	0	20.62	20.53	20.71			
1.4	64QAM	1	0	20.41	20.42	20.37	22		
1.4	64QAM	1	3	20.40	20.48	20.38			
1.4	64QAM	5	0	20.11	20.27	20.16	22		
1.4	64QAM	3	0	20.14	20.10	20.30			
1.4	64QAM	3	1	20.46	20.26	20.31	21		
1.4	64QAM	3	3	20.14	20.38	20.13			
1.4	64QAM	6	0	19.58	19.48	19.47	21		
1.4	64QAM	6	0	19.58	19.48	19.47			

Band 4 - Ant 0 DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 20550	Power Middle Ch. Freq. 20775	Power High Ch. Freq. 20900	Turn-up time (dBm)		
20	QPSK	1	0	21.03	21.22	21.11	22.5		
20	QPSK	1	49	20.95	21.09	21.18			
20	QPSK	1	99	21.08	21.17	21.21	22.5		
20									



GSM1900 DSI7

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.56	29.63	29.59	30.00	20.56	20.63	20.59	21.00
GPRS 1 Tx slot	29.45	29.51	29.55	30.00	20.45	20.51	20.55	21.00
GPRS 2 Tx slots	27.60	27.69	27.58	28.00	21.60	21.69	21.58	22.00
GPRS 3 Tx slots	25.44	25.22	25.28	26.00	21.18	20.96	21.02	21.74
GPRS 4 Tx slots	23.05	23.18	23.19	24.00	20.05	20.18	20.19	21.00
EDGE 1 Tx slot	25.24	25.12	25.13	26.00	16.24	16.12	16.13	17.00
EDGE 2 Tx slots	22.96	22.82	22.77	24.00	16.96	16.82	16.77	18.00
EDGE 3 Tx slots	20.84	20.59	20.88	22.00	16.58	16.33	16.62	17.74
EDGE 4 Tx slots	19.04	18.86	18.87	20.00	16.04	15.86	15.87	17.00

WCDMA II DSI7

WCDMA IV DSI7

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel	Rx Channel	9262	9400	9538		1312	1413	1513	
		9662	9800	9938		1537	1638	1738	
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	17.53	17.56	17.54	18.00	16.93	17.03	16.98	18.00
3GPP Rel 99	RMC 12.2Kbps	17.55	17.60	17.48	18.00	17.09	17.14	16.98	18.00
3GPP Rel 6	HSDPA Subtest-1	16.54	16.41	16.54	17.00	16.17	16.08	16.11	17.00
3GPP Rel 6	HSDPA Subtest-2	16.48	16.55	16.53	17.00	15.94	16.03	15.87	17.00
3GPP Rel 6	HSDPA Subtest-3	16.07	16.15	15.92	16.50	15.49	15.67	15.28	16.50
3GPP Rel 6	HSDPA Subtest-4	15.77	15.82	15.77	16.50	15.59	15.66	15.29	16.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.67	16.71	16.59	17.00	16.13	15.91	16.01	17.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.51	16.47	16.43	17.00	15.87	16.01	15.72	17.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.73	15.74	15.39	16.50	15.70	15.46	15.40	16.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.92	15.95	15.78	16.50	15.69	15.58	15.70	16.50
3GPP Rel 6	HSUPA Subtest-1	16.63	16.48	16.72	17.00	15.95	16.01	16.20	17.00
3GPP Rel 6	HSUPA Subtest-2	14.78	14.72	14.35	15.00	14.00	13.76	13.73	15.00
3GPP Rel 6	HSUPA Subtest-3	15.47	15.90	15.80	16.00	15.02	15.29	15.08	16.00
3GPP Rel 6	HSUPA Subtest-4	14.20	14.34	14.32	15.00	13.98	13.77	13.94	15.00
3GPP Rel 6	HSUPA Subtest-5	16.68	16.56	16.70	17.00	15.63	16.06	15.97	17.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.19	14.21	14.29	14.50	13.50	13.65	13.63	14.50



Band 2 - Ant 0 DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)		
20	QPSK	1	0	15.80	15.80	15.80			
20	QPSK	1	49	15.94	15.93	15.95	17.5		
20	QPSK	1	99	15.90	16.06	15.99			
20	QPSK	50	0	15.88	16.17	15.99			
20	QPSK	50	24	15.80	15.80	15.80	17.5		
20	QPSK	50	50	15.92	15.92	15.91			
20	QPSK	100	0	15.98	16.04	16.03			
20	16QAM	1	0	15.67	15.74	16.00	17.5		
20	16QAM	1	49	15.66	15.88	15.94			
20	16QAM	1	99	16.02	15.85	15.85			
20	16QAM	50	0	15.69	15.73	15.84	17.5		
20	16QAM	50	24	15.86	15.80	15.79			
20	16QAM	50	50	15.94	15.89	15.98			
20	16QAM	100	0	15.79	15.73	15.84	17.5		
20	64QAM	1	0	15.92	15.91	16.04	17.5		
20	64QAM	1	49	16.05	15.95	16.11			
20	64QAM	1	99	15.97	15.89	15.88			
20	64QAM	50	0	15.81	15.89	15.81	17.5		
20	64QAM	50	24	15.80	15.80	15.80			
20	64QAM	50	50	15.73	15.72	15.92			
20	64QAM	100	0	15.95	15.97	15.90	17.5		
Channel									
Frequency (MHz)				18675	18900	19125	Time-up limit (dBm)		
15	QPSK	1	0	15.80	16.02	16.03			
15	QPSK	1	37	15.78	15.77	15.85	17.5		
15	QPSK	1	74	15.76	15.96	15.83			
15	QPSK	36	0	15.84	16.05	16.02			
15	QPSK	36	20	15.73	15.86	15.85	17.5		
15	QPSK	36	50	15.92	15.91	15.92			
15	QPSK	75	0	15.93	15.89	15.84			
15	16QAM	1	0	15.61	15.65	15.91	17.5		
15	16QAM	1	37	15.78	15.88	15.80			
15	16QAM	1	74	15.82	15.82	15.84	17.5		
15	16QAM	36	0	15.82	15.62	15.73			
15	16QAM	36	20	15.78	15.68	15.69	17.5		
15	16QAM	36	50	15.85	15.77	15.81			
15	16QAM	75	0	15.87	15.84	15.82	17.5		
15	64QAM	1	0	15.71	15.71	16.02	17.5		
15	64QAM	1	37	15.87	15.82	16.02			
15	64QAM	1	74	15.89	15.81	15.82	17.5		
15	64QAM	36	0	15.69	15.82	15.69			
15	64QAM	36	20	15.68	15.71	15.87	17.5		
15	64QAM	36	50	15.08	15.71	15.74			
15	64QAM	75	0	15.80	15.92	15.88	17.5		
Channel									
Frequency (MHz)				18650	18900	19100	Time-up limit (dBm)		
10	QPSK	1	0	15.85	16.07	16.03			
10	QPSK	1	49	15.81	16.06	15.90	17.5		
10	QPSK	25	0	15.75	16.14	15.98			
10	QPSK	25	12	15.79	15.86	15.73	17.5		
10	QPSK	50	0	15.89	15.95	15.99			
10	16QAM	1	0	15.75	15.69	15.90	17.5		
10	16QAM	1	25	15.64	15.70	15.86			
10	16QAM	1	49	16.02	15.86	15.85	17.5		
10	16QAM	25	0	15.82	15.64	15.76			
10	16QAM	25	12	15.72	15.63	15.81	17.5		
10	16QAM	25	25	15.86	15.74	15.87			
10	16QAM	50	0	15.64	15.56	15.81	17.5		
10	64QAM	1	0	15.68	15.79	16.06	17.5		
10	64QAM	1	25	15.91	15.85	15.95			
10	64QAM	1	49	15.92	15.70	15.88	17.5		
10	64QAM	25	0	15.61	15.87	15.76			
10	64QAM	25	12	15.95	15.94	15.81	17.5		
10	64QAM	25	25	15.08	15.71	15.74			
10	64QAM	50	0	15.87	15.93	15.85	17.5		
Channel									
Frequency (MHz)				18625	18900	19175	Time-up limit (dBm)		
5	QPSK	1	0	15.90	16.10	16.03			
5	QPSK	1	12	15.71	16.07	16.03	17.5		
5	QPSK	1	24	15.75	15.98	15.98			
5	QPSK	12	0	15.71	16.13	15.90			
5	QPSK	12	7	15.74	15.75	15.82	17.5		
5	QPSK	12	13	15.91	15.84	15.80			
5	QPSK	25	0	15.83	15.77	15.80	17.5		
5	16QAM	1	0	15.57	15.73	15.91			
5	16QAM	1	12	15.54	15.66	15.90	17.5		
5	16QAM	1	24	15.92	15.71	15.94			
5	16QAM	12	0	15.88	15.83	15.96	17.5		
5	16QAM	12	7	15.74	15.69	15.62			
5	16QAM	12	13	15.88	15.75	15.85	17.5		
5	16QAM	25	0	15.76	15.70	15.83			
5	64QAM	1	0	15.70	15.82	15.70	17.5		
5	64QAM	1	12	15.83	15.92	16.06			
5	64QAM	1	24	15.94	15.85	15.82	17.5		
5	64QAM	12	0	15.73	15.84	15.75			
5	64QAM	12	7	15.84	15.94	15.78	17.5		
5	64QAM	12	13	15.87	15.87	15.87			
5	64QAM	25	0	15.94	15.81	15.71	17.5		
Channel									
Frequency (MHz)				18607	18900	19075	Time-up limit (dBm)		
1.4	QPSK	1	0	15.99	16.09	15.99			
1.4	QPSK	1	3	15.72	15.66	15.92	17.5		
1.4	QPSK	1	6	15.78	15.90	15.92			
1.4	QPSK	3	0	15.88	16.16	15.91			
1.4	QPSK	3	1	15.71	15.72	15.93	17.5		
1.4	QPSK	3	3	15.72	15.74	15.89			
1.4	QPSK	6	0	15.89	15.83	15.96	17.5		
1.4	16QAM	1	0	15.59	15.65	15.83			
1.4	16QAM	1	3	15.57	15.86	15.85	17.5		
1.4	16QAM	1	5	15.89	15.69	15.96			
1.4	16QAM	3	0	15.50	15.71	15.74	17.5		
1.4	16QAM	3	1	15.82	15.71	15.68			
1.4	16QAM	3	3	15.82	15.88	15.83	17.5		
1.4	16QAM	6	0	15.62	15.54	15.74	17.5		
1.4	64QAM	1	0	15.63	15.83	15.52			
1.4	64QAM	1	3	15.79	15.75	15.88	17.5		
1.4	64QAM	1	5	15.71	15.55	15.69			
1.4	64QAM	3	0	15.65	15.88	15.78	17.5		
1.4	64QAM	3	1	15.89	15.95	15.76			
1.4	64QAM	3	3	15.96	15.71	15.85	17.5		
1.4	64QAM	6	0	15.94	15.86	15.74	17.5		

Band 4 - Ant 0 DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)		
20	QPSK	1	0	17.20	17.25	17.25			
20	QPSK	1	49	16.99	17.15	17.24	18.5		
20	QPSK	1	99	16.84	17.12	17.10			
20	QPSK	50	0	16.89	17.32	17.13			
20	QPSK	50	24	16.84	17.20	17.20	18.5		
20	QPSK	50	50	16.92	16.94	17.01			
20	QPSK	100	0	16.98	17.12	16.99			
20	16QAM	1	0	16.99	16.94	17.17	18.5		
20	16QAM	1	49	16.83	16.91	16.97			
20	16QAM	1	99	16.95	16.95	17.25			
20	16QAM	50	0	17.06	17.17	17.12	18.5		
20	16QAM	50	24	16.88	17.11	17.00			
20	16QAM	50	50	16.82	17.03	17.15			
20	16QAM	100	0	17.11	17.00	17.14	18.5		
20	64QAM	1	0	16.97	16.93	17.06	18.5		
20	64QAM	1	49	16.86	17.06	17.02			
20	64QAM	1	99	16.98	17.03	17.10			
20	64QAM	50	0	16.98	17.17	17.15	18.5		
20	64QAM	50	24	16.92	17.05	16.92			
20	64QAM	50	50	17.11	17.13	17.31			
20	64QAM	100	0	17.02	16.88	17.10	18.5		
Channel									
Frequency (MHz)				17175	17325	17475	Time-up limit (dBm)		
15	QPSK	1	0	17.09	17.29	17.29			
15	QPSK	1	37	17.10	17.12	17.13	18.5		
15	QPSK	1	74	17.07	17.10	17.01			
15	QPSK	36	0	16.90	17.35	17.07			
15	QPSK								



Band 38 -Ant 5 DS17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.64	21.84	21.76	23		
20	QPSK	1	49	21.55	21.46	21.40			
20	QPSK	1	99	21.59	21.38	21.54			
20	QPSK	50	0	21.81	21.83	21.79	23		
20	QPSK	50	24	21.52	21.46	21.58			
20	QPSK	50	50	21.78	21.43	21.54			
20	QPSK	100	0	21.60	21.78	21.72	23		
20	16QAM	1	0	21.77	21.73	21.67			
20	16QAM	1	49	21.66	21.55	21.31			
20	16QAM	1	99	21.73	21.32	21.32	22		
20	16QAM	50	0	20.79	20.65	20.56			
20	16QAM	50	24	20.57	20.50	20.41			
20	16QAM	50	50	20.79	20.56	20.52	22		
20	16QAM	100	0	20.53	20.71	20.71			
20	64QAM	1	0	20.77	20.62	20.49			
20	64QAM	1	49	20.55	20.45	20.38	22		
20	64QAM	1	99	20.54	20.52	20.47			
20	64QAM	50	0	19.73	19.59	19.71			
20	64QAM	50	24	19.62	19.79	19.63	21		
20	64QAM	50	50	19.62	19.34	19.34			
20	64QAM	100	0	19.58	19.52	19.33			
Channel				37825	38000	38175	Tune-up limit (dBm)		
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.66	21.75	21.70	23		
15	QPSK	1	37	21.59	21.33	21.57			
15	QPSK	1	74	21.69	21.53	21.53			
15	QPSK	36	0	21.74	21.72	21.65	23		
15	QPSK	36	20	21.42	21.48	21.40			
15	QPSK	36	39	21.74	21.38	21.53			
15	QPSK	75	0	21.58	21.79	21.70	23		
15	16QAM	1	0	21.80	21.58	21.66			
15	16QAM	1	37	21.54	21.61	21.43			
15	16QAM	1	74	21.61	21.43	21.48	22		
15	16QAM	36	0	20.73	20.72	20.57			
15	16QAM	36	20	20.70	20.60	20.31			
15	16QAM	36	39	20.66	20.52	20.62	22		
15	16QAM	75	0	20.62	20.76	20.78			
15	64QAM	1	0	20.72	20.63	20.50			
15	64QAM	1	37	20.56	20.61	20.28	22		
15	64QAM	1	74	20.58	20.40	20.39			
15	64QAM	36	0	19.66	19.54	19.71			
15	64QAM	36	20	19.50	19.67	19.56	21		
15	64QAM	36	39	19.58	19.36	19.29			
15	64QAM	75	0	19.51	19.53	19.19			
Channel				37800	38000	38200	Tune-up limit (dBm)		
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.58	21.83	21.72	23		
10	QPSK	1	25	21.59	21.37	21.59			
10	QPSK	1	49	21.61	21.54	21.60			
10	QPSK	25	0	21.66	21.75	21.81	23		
10	QPSK	25	12	21.47	21.47	21.43			
10	QPSK	25	25	21.76	21.45	21.65			
10	QPSK	50	0	21.54	21.72	21.67	23		
10	16QAM	1	0	21.78	21.62	21.64			
10	16QAM	1	25	21.69	21.48	21.40			
10	16QAM	1	49	21.68	21.54	21.34	22		
10	16QAM	25	0	20.65	20.76	20.71			
10	16QAM	25	12	20.68	20.44	20.40			
10	16QAM	25	25	20.77	20.44	20.57	22		
10	16QAM	50	0	20.69	20.77	20.68			
10	64QAM	1	0	20.72	20.51	20.64			
10	64QAM	1	25	20.57	20.49	20.31	22		
10	64QAM	1	49	20.69	20.43	20.34			
10	64QAM	25	0	19.80	19.70	19.79			
10	64QAM	25	12	19.58	19.73	19.69	21		
10	64QAM	25	25	19.76	19.52	19.30			
10	64QAM	50	0	19.68	19.50	19.27			
Channel				37775	38000	38225	Tune-up limit (dBm)		
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.49	21.80	21.75	23		
5	QPSK	1	12	21.53	21.36	21.56			
5	QPSK	1	24	21.73	21.47	21.49			
5	QPSK	12	0	21.77	21.70	21.67	23		
5	QPSK	12	7	21.47	21.54	21.40			
5	QPSK	12	13	21.81	21.49	21.66			
5	QPSK	25	0	21.60	21.59	21.77	23		
5	16QAM	1	0	21.75	21.62	21.57			
5	16QAM	1	12	21.54	21.60	21.40			
5	16QAM	1	24	21.60	21.35	21.33	22		
5	16QAM	12	0	20.71	20.79	20.64			
5	16QAM	12	7	20.60	20.56	20.38			
5	16QAM	12	13	20.71	20.42	20.47	22		
5	16QAM	25	0	20.54	20.79	20.76			
5	64QAM	1	0	20.71	20.54	20.59			
5	64QAM	1	12	20.64	20.46	20.24	22		
5	64QAM	1	24	20.65	20.52	20.40			
5	64QAM	12	0	19.66	19.62	19.81			
5	64QAM	12	7	19.60	19.65	19.63	21		
5	64QAM	12	13	19.64	19.37	19.59			
5	64QAM	25	0	19.58	19.55	19.16			

Band 41 -Ant 5 DS17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2508	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.85	21.69	21.89	21.80	21.61	23
20	QPSK	1	49	21.67	21.64	21.52	21.61	21.75	
20	QPSK	1	99	21.60	21.78	21.57	21.65	21.53	
20	QPSK	50	0	21.70	21.85	21.87	21.83	21.59	23
20	QPSK	50	24	21.72	21.62	21.55	21.47	21.63	
20	QPSK	50	50	21.65	21.88	21.56	21.42	21.49	
20	QPSK	100	0	21.71	21.76	21.80	21.79	21.66	23
20	16QAM	1	0	21.84	21.82	21.78	21.74	21.61	
20	16QAM	1	49	21.61	21.73	21.64	21.50	21.58	
20	16QAM	1	99	21.65	21.74	21.45	21.50	21.47	22
20	16QAM	50	0	20.79	20.85	20.86	20.76	20.57	
20	16QAM	50	24	20.77	20.73	20.65	20.50	20.62	
20	16QAM	50	50	20.65	20.80	20.58	20.64	20.46	22
20	16QAM	100	0	20.84	20.71	20.84	20.84	20.54	
20	64QAM	1	0	20.79	20.87	20.70	20.67	20.67	
20	64QAM	1	49	20.76	20.71	20.65	20.45	20.67	22
20	64QAM	1	99	20.58	20.70	20.59	20.49	20.47	
20	64QAM	50	0	19.75	19.83	19.73	19.83	19.57	
20	64QAM	50	24	19.80	19.70	19.84	19.72	19.57	21
20	64QAM	50	50	19.60	19.78	19.54	19.42	19.68	
20	64QAM	100	0	19.60	19.70	19.64	19.36	19.51	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.68	21.59	21.56	21.78	21.43	23.00
15	QPSK	1	37	21.52	21.51	21.45	21.53	21.72	
15	QPSK	1	74	21.50	21.59	21.50	21.47	21.49	
15	QPSK	36	0	21.53	21.76	21.68	21.77	21.40	23
15	QPSK	36	20	21.57	21.59	21.52	21.35	21.54	
15	QPSK	36	39	21.49	21.75	21.42	21.31	21.40	
15	QPSK	75	0	21.62	21.68	21.63	21.61	21.60	23
15	16QAM	1	0	21.68	21.66	21.75	21.60	21.56	
15	16QAM	1	37	21.44	21.54	21.52	21.31	21.56	
15	16QAM	1	74	21.48	21.71	21.26	21.31	21.28	22
15	16QAM	36	0	20.71	20.65	20.73	20.58	20.53	
15	16QAM	36	20	20.74	20.59	20.54	20.44	20.42	
15	16QAM	36	39	20.62	20.72	20.51	20.55	20.29	22
15	16QAM	75	0	20.83	20.65	20.75	20.69	20.52	
15	64QAM	1	0	20.65	20.75	20.51	20.48	20.51	
15	64QAM	1	37	20.58	20.61	20.50	20.43	20.58	22
15	64QAM	1	74	20.40	20.52	20.56	20.44	20.32	
15	64QAM	36	0	19.69	19.80	19.65	19.80	19.38	
15	64QAM	36	20	19.67	19.66	19.76	19.69	19.46	21
15	64QAM	36	39	19.45	19.62	19.48	19.34	19.63	
15	64QAM	75	0	19.56</					



2CA DL

CA List	PCC							SCC				Power	
	LTE	BW	UL		Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
			(MHz)		(MHz)					(dBm)		(dBm)	
CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	22.45	22.54
CA_2A_4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	22.35	22.54
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	22.56	22.75
CA_2A_5A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	22.36	22.54
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	23.29	23.44
CA_2A_7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	22.41	22.54
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	22.62	22.79
CA_4A_5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	22.58	22.75
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	23.21	23.44
CA_4A_7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	22.67	22.75
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	22.72	22.79
CA_5A_7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	23.25	23.44
	Band 7	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	22.68	22.79
CA_5A_41A	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	23.35	23.44
	Band 41	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	22.58	22.79
CA_5A_66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	23.21	23.44
	Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	22.67	22.81
CA_7B	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2666.7	3217	22.58	22.79
CA_7C	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	22.48	22.79
CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	22.67	22.79
CA_7A-26A	Band 7	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	22.58	22.79
	Band 26	15M	831.5	26865	QPSK	1	0	Band 7	20M	2655	3100	23.45	23.57
CA_26A_41A	Band 26	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	23.39	23.57
	Band 41	20M	2593	40620	QPSK	1	0	Band 26	15M	876.5	8865	22.65	22.79
CA_38C	Band 38	20M	2595	37901	QPSK	1	0	Band 38	20M	2614.8	38099	22.47	22.71
CA_41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	22.71	22.79
CA_66B	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	22.67	22.81
CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 7	20M	2174.8	67084	22.65	22.81
CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	22.72	22.81



WLAN/Bluetooth Power

2.4GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head		Ant 8 Body Worn & 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		
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.00	20.50	17.19	18.50	18.55	20.00	97.90
		6	2437	18.78	20.50	16.98	18.50	18.27	20.00	
		11	2462	19.12	20.50	17.22	18.50	18.60	20.00	
	802.11g 6Mbps	1	2412	18.66	20.50	17.05	18.50	18.66	20.00	97.49
		6	2437	18.47	20.00	16.91	18.50	18.47	20.00	
		11	2462	16.49	18.00	16.95	18.00	16.49	18.00	
	802.11n-HT20 MCS0	1	2412	17.90	19.50	16.98	18.50	17.90	19.50	97.31
		6	2437	17.75	19.50	17.75	18.50	17.75	19.50	
		11	2462	16.33	18.00	16.33	18.00	16.33	18.00	
802.11n-HT40 MCS0	3	2422	13.16	15.00	13.16	15.00	13.16	15.00	92.96	
	6	2437	17.10	19.00	16.21	18.00	16.21	18.00		
	9	2452	13.18	15.00	13.18	15.00	13.18	15.00		

5.2GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head & Body Worn & Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.09	19.50	16.61	18.00	97.58
		40	5200	17.84	19.50	16.30	18.00	
		44	5220	17.86	19.50	16.44	18.00	
		48	5240	17.56	19.50	16.04	18.00	
	802.11n-HT20 MCS0	36	5180	17.98	19.50	Not Required	18.00	97.41
		40	5200	17.67	19.50		18.00	
		44	5220	17.70	19.50		18.00	
		48	5240	17.57	19.50		18.00	
	802.11n-HT40 MCS0	38	5190	14.77	16.50	Not Required	16.50	94.42
		46	5230	16.56	18.50		17.50	
	802.11ac-VHT20 MCS0	36	5180	16.19	18.00	Not Required	18.00	97.20
		40	5200	16.03	18.00		18.00	
		44	5220	15.95	17.50		17.50	
		48	5240	15.71	17.50		17.50	
	802.11ac-VHT40 MCS0	38	5190	14.27	16.00	Not Required	16.00	94.56
		46	5230	14.92	16.50		16.50	
802.11ac-VHT80 MCS0	42	5210	11.56	13.50	Not Required	13.50	90.32	

5.3GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head & Body Worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.08	19.50	16.61	18.00	97.58
		56	5280	18.04	19.50	16.55	18.00	
		60	5300	17.79	19.50	16.34	18.00	
		64	5320	17.63	19.50	16.19	18.00	
	802.11n-HT20 MCS0	52	5260	17.79	19.50	Not Required	18.00	97.41
		56	5280	17.73	19.50		18.00	
		60	5300	17.58	19.50		18.00	
		64	5320	17.31	19.00		18.00	
	802.11n-HT40 MCS0	54	5270	16.99	18.50	Not Required	17.50	94.42
		62	5310	14.68	16.50		16.50	
	802.11ac-VHT20 MCS0	52	5260	16.00	17.50	Not Required	17.50	97.20
		56	5280	15.94	17.50		17.50	
		60	5300	15.64	17.50		17.50	
		64	5320	15.78	17.50		17.50	
	802.11ac-VHT40 MCS0	54	5270	14.89	16.50	Not Required	16.50	94.56
		62	5310	14.66	16.50		16.50	
802.11ac-VHT80 MCS0	58	5290	11.99	13.50	Not Required	13.50	90.32	



5.5GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head & Body Worn		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.21	19.50	Not Required	18.00	97.58	
		116	5580	17.80	19.50		18.00		
		124	5620	17.98	19.50		18.00		
		132	5660	17.83	19.50		18.00		
		140	5700	18.10	19.50		18.00		
		144	5720	18.02	19.50		18.00		
	802.11n-HT20 MCS0	100	5500	17.93	19.50		18.00	97.41	
		116	5580	17.51	19.50		18.00		
		124	5620	17.59	19.50		18.00		
		132	5660	17.63	19.50		18.00		
		140	5700	17.89	19.50		18.00		
		144	5720	17.83	19.50		18.00		
	802.11n-HT40 MCS0	102	5510	15.14	17.00		15.14	17.00	94.42
		110	5550	16.60	18.50		16.60	18.00	
		126	5630	16.52	18.50		16.52	18.00	
		134	5670	16.72	18.50		16.72	18.00	
		142	5710	16.79	18.50		16.79	18.00	
		100	5500	16.24	18.00		18.00	97.20	
116	5580	15.57	17.50	17.50					
124	5620	15.80	17.50	17.50					
132	5660	15.73	17.50	17.50					
140	5700	16.09	18.00	18.00					
144	5720	16.03	18.00	18.00					
802.11ac-VHT20 MCS0	102	5510	14.79	16.50	Not Required	16.50	94.56		
	110	5550	14.45	16.00		16.00			
	126	5630	14.39	16.00		16.00			
	134	5670	14.68	16.50		16.50			
	142	5710	14.96	16.50		16.50			
	106	5530	11.67	13.50		13.50		90.32	
122	5610	13.74	15.50	15.50					
138	5690	14.13	16.00	16.00					

5.8GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head		Ant 8 Body Worn & 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					
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.90	19.50	Not Required	16.50	Not Required	15.00	97.58			
		157	5785	18.17	19.50		16.50		15.00				
		165	5825	17.71	19.50		16.50		15.00				
	802.11n-HT20 MCS0	149	5745	17.78	19.50		16.50		15.00	97.41			
		157	5785	17.83	19.50		16.50		15.00				
		165	5825	17.63	19.50		16.50		15.00				
	802.11n-HT40 MCS0	151	5755	16.82	18.50		14.99		16.50	13.57	15.00	94.42	
		159	5795	16.56	18.50		14.79		16.50	13.66	15.00		
		149	5745	15.95	17.50		16.50		15.00				
	802.11ac-VHT20 MCS0	157	5785	16.04	18.00		Not Required		16.50	Not Required	15.00	97.20	
		165	5825	15.78	17.50				16.50		15.00		
		151	5755	14.86	16.50				16.50		15.00		
	802.11ac-VHT40 MCS0	159	5795	14.65	16.50				16.50		15.00	94.56	
		155	5775	14.36	16.00				16.00		14.50		15.00
		155	5775	14.36	16.00				16.00		14.50		15.00

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.85	9.83	9.64
	CH 39	2441	12.96	10.06	9.87
	CH 78	2480	12.11	9.13	9.35
Tune-up Limit			14.00	11.00	11.00

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.17
	CH 19	2440	7.23
	CH 39	2480	7.05
Tune-up Limit			8.00