



Full Power Mode

GSM850	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	Limit	128	189	251	Limit
Frequency (MHz)	850.2	850.4	850.6	(dbm)	850.2	850.4	850.6	(dbm)
GSM-1 Tx slot	33.08	33.12	33.01	33.50	24.08	24.12	24.01	24.50
GPRS-1 Tx slot	32.96	33.01	32.88	33.50	23.96	24.01	23.88	24.50
GPRS-2 Tx slot	31.44	31.77	31.70	32.50	25.44	25.77	25.70	26.50
GPRS-3 Tx slots	29.93	29.97	29.89	31.00	25.07	25.71	25.63	26.74
GPRS-4 Tx slots	28.53	28.65	28.50	30.00	25.53	25.66	25.50	27.00
EDGE-1 Tx slot	27.05	27.12	26.99	27.50	18.05	18.12	17.99	18.50
EDGE-2 Tx slot	25.94	25.86	25.96	26.00	19.94	19.88	19.96	20.00
EDGE-3 Tx slots	23.52	23.58	23.50	24.00	19.50	19.38	19.24	19.74
EDGE-4 Tx slots	22.22	22.31	22.24	23.00	19.22	19.31	19.24	20.00

GSM1800	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame Average Power (dbm)			Tune-up Limit (dbm)
	512	861	810		512	861	810	
TX Channel	512	861	810	Limit	512	861	810	Limit
Frequency (MHz)	1850.2	1850	1850.8	(dbm)	1850.2	1850	1850.8	(dbm)
GSM-1 Tx slot	26.70	29.91	29.85	31.00	20.70	20.91	20.85	22.00
GPRS-1 Tx slot	29.80	29.94	29.75	31.00	20.80	20.94	20.75	22.00
GPRS-2 Tx slots	28.84	28.96	28.73	30.00	22.84	22.96	22.73	24.00
GPRS-3 Tx slots	27.12	27.19	27.05	28.00	22.88	22.90	22.79	23.74
GPRS-4 Tx slots	26.05	26.11	25.90	27.00	23.05	23.11	22.90	24.00
EDGE-1 Tx slot	25.17	25.30	25.34	26.00	16.17	16.30	16.34	17.00
EDGE-2 Tx slots	24.16	24.21	24.11	25.00	18.16	18.21	18.11	19.00
EDGE-3 Tx slots	22.18	22.24	22.21	23.00	17.92	17.98	17.95	18.74
EDGE-4 Tx slots	20.92	21.06	21.01	22.00	17.92	18.06	18.01	19.00

Band	WCDMA II			Tune-up Limit (dbm)	WCDMA V			Tune-up Limit (dbm)	
	9262	9400	9538		4132	4182	4233		
TX Channel	9262	9400	9538	Limit	4132	4182	4233	Limit	
Rx Channel	9692	9800	9938	(dbm)	4397	4407	4435	(dbm)	
Frequency (MHz)	1852.4	1850	1850.6		836.4	834.4	836.6		
3GPP Rel 99	AMR 12.2Kbps	22.69	22.80	22.71	24.00	22.93	23.09	23.03	24.00
3GPP Rel 99	RM-C 12.2Kbps	22.77	22.82	22.74	24.00	23.03	23.14	23.05	24.00
3GPP Rel 6	HSDPA Subtest-1	21.86	21.94	21.67	23.00	22.16	22.29	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	21.85	21.78	21.79	23.00	22.11	22.08	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	21.27	21.14	21.21	22.80	21.81	21.37	21.55	22.50
3GPP Rel 6	HSDPA Subtest-4	21.38	21.20	21.31	22.50	21.68	21.43	21.53	22.50
3GPP Rel 6	DCHSDPA Subtest-1	21.57	21.73	21.60	23.00	21.89	21.98	21.82	23.00
3GPP Rel 6	DCHSDPA Subtest-2	21.70	21.82	21.55	23.00	22.05	22.18	21.81	23.00
3GPP Rel 6	DCHSDPA Subtest-3	21.37	21.22	21.16	22.50	21.84	21.60	21.43	22.50
3GPP Rel 6	DCHSDPA Subtest-4	21.12	21.18	21.07	22.50	21.40	21.42	21.30	22.50
3GPP Rel 6	HSUPA Subtest-1	21.69	21.79	21.70	23.00	21.95	22.13	21.94	23.00
3GPP Rel 6	HSUPA Subtest-2	19.72	19.65	19.75	21.00	20.09	19.97	19.99	21.00
3GPP Rel 6	HSUPA Subtest-3	20.84	20.66	20.62	22.00	21.11	21.03	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	19.60	19.82	19.63	21.00	19.84	20.15	19.86	21.00
3GPP Rel 6	HSUPA Subtest-5	21.80	21.85	21.81	23.00	22.06	22.14	22.10	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.76	18.76	18.84	20.50	19.06	19.13	19.20	20.50



Band 2										
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	22.84	22.99	23.29	24	0		
20	QPSK	1	49	22.79	22.93	22.91				
20	QPSK	1	99	22.87	22.89	22.82				
20	QPSK	50	0	21.85	21.92	21.79	23	1		
20	QPSK	50	24	21.76	21.80	21.79				
20	QPSK	50	50	21.76	21.87	21.83				
20	QPSK	100	0	21.73	21.81	21.73	23	1		
20	16QAM	1	0	21.59	21.77	21.75				
20	16QAM	1	49	21.66	21.75	21.72				
20	16QAM	1	99	21.62	21.70	21.58	22	2		
20	16QAM	50	0	20.72	20.89	20.81				
20	16QAM	50	24	20.68	20.81	20.76				
20	16QAM	50	50	20.81	20.85	20.78	22	2		
20	16QAM	100	0	20.71	20.78	20.61				
20	84QAM	1	0	20.72	20.82	20.67				
20	84QAM	1	49	20.67	20.80	20.76	22	2		
20	84QAM	1	99	20.71	20.75	20.80				
20	84QAM	50	0	19.85	19.98	19.96				
20	84QAM	50	24	19.84	19.93	19.83	21	3		
20	84QAM	50	50	19.77	19.81	19.72				
20	84QAM	100	0	19.76	19.89	19.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.75	22.90	22.84	24	0		
15	QPSK	1	37	22.87	22.78	22.85				
15	QPSK	1	74	22.73	22.78	22.80				
15	QPSK	36	0	21.81	21.75	21.73	23	1		
15	QPSK	36	20	21.79	21.76	21.76				
15	QPSK	36	39	21.80	21.81	21.89				
15	QPSK	75	0	21.60	21.64	21.65	23	1		
15	16QAM	1	0	21.52	21.62	21.71				
15	16QAM	1	37	21.52	21.72	21.59				
15	16QAM	1	74	21.59	21.65	21.42	22	2		
15	16QAM	36	0	20.56	20.75	20.71				
15	16QAM	36	20	20.51	20.63	20.71				
15	16QAM	36	39	20.68	20.67	20.64	22	2		
15	16QAM	75	0	20.66	20.72	20.49				
15	84QAM	1	0	20.57	20.74	20.52				
15	84QAM	1	37	20.65	20.74	20.62	22	2		
15	84QAM	1	74	20.67	20.66	20.46				
15	84QAM	36	0	19.76	19.80	19.92				
15	84QAM	36	20	19.70	19.90	19.66	21	3		
15	84QAM	36	39	19.65	19.68	19.62				
15	84QAM	75	0	19.66	19.65	19.67				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.67	22.88	22.81	24	0		
10	QPSK	1	25	22.66	22.84	22.80				
10	QPSK	1	49	22.75	22.82	22.70				
10	QPSK	25	0	21.71	21.82	21.82	23	1		
10	QPSK	25	12	21.67	21.84	21.84				
10	QPSK	25	25	21.70	21.78	21.75				
10	QPSK	50	0	21.65	21.71	21.69	23	1		
10	16QAM	1	0	21.43	21.61	21.60				
10	16QAM	1	25	21.59	21.82	21.89				
10	16QAM	1	49	21.53	21.65	21.41	22	2		
10	16QAM	25	0	20.63	20.63	20.63				
10	16QAM	25	12	20.56	20.71	20.65				
10	16QAM	25	25	20.74	20.68	20.73	22	2		
10	16QAM	50	0	20.55	20.74	20.45				
10	84QAM	1	0	20.69	20.76	20.56				
10	84QAM	1	25	20.54	20.75	20.59	22	2		
10	84QAM	1	49	20.68	20.59	20.57				
10	84QAM	25	0	19.88	19.88	19.93				
10	84QAM	25	12	19.73	19.84	19.76	21	3		
10	84QAM	25	25	19.63	19.74	19.64				
10	84QAM	50	0	19.72	19.82	19.61				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.73	22.91	22.79	24	0		
5	QPSK	1	12	22.72	22.92	22.79				
5	QPSK	1	24	22.79	22.87	22.78				
5	QPSK	12	0	21.78	21.78	21.76	23	1		
5	QPSK	12	7	21.70	21.79	21.67				
5	QPSK	12	13	21.59	21.81	21.74				
5	QPSK	25	0	21.57	21.75	21.57	23	1		
5	16QAM	1	0	21.45	21.61	21.59				
5	16QAM	1	12	21.61	21.61	21.59				
5	16QAM	1	24	21.57	21.58	21.48	22	2		
5	16QAM	12	0	20.70	20.74	20.70				
5	16QAM	12	7	20.55	20.65	20.73				
5	16QAM	12	13	20.73	20.76	20.66	22	2		
5	16QAM	25	0	20.67	20.70	20.55				
5	84QAM	1	0	20.62	20.72	20.59				
5	84QAM	1	12	20.51	20.76	20.60	22	2		
5	84QAM	1	24	20.66	20.65	20.43				
5	84QAM	12	0	19.80	19.93	19.81				
5	84QAM	12	7	19.68	19.79	19.72	21	3		
5	84QAM	12	13	19.78	19.80	19.72				
5	84QAM	25	0	19.67	19.83	19.72				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.81	22.81	22.81	24	0		
3	QPSK	1	8	22.72	22.76	22.85				
3	QPSK	1	14	22.79	22.80	22.74				
3	QPSK	8	0	21.73	21.79	21.68	23	1		
3	QPSK	8	4	21.78	21.71	21.72				
3	QPSK	8	7	21.58	21.84	21.80				
3	QPSK	15	0	21.62	21.67	21.68	23	1		
3	16QAM	1	0	21.43	21.72	21.63				
3	16QAM	1	8	21.51	21.58	21.69				
3	16QAM	1	14	21.56	21.66	21.52	22	2		
3	16QAM	8	0	20.68	20.77	20.69				
3	16QAM	8	4	20.64	20.68	20.59				
3	16QAM	8	7	20.64	20.71	20.62	22	2		
3	16QAM	15	0	20.67	20.75	20.58				
3	84QAM	1	0	20.57	20.75	20.50				
3	84QAM	1	8	20.52	20.72	20.73	22	2		
3	84QAM	1	14	20.60	20.59	20.50				
3	84QAM	8	0	19.83	19.89	19.83				
3	84QAM	8	4	19.74	19.88	19.74	21	3		
3	84QAM	8	7	19.71	19.63	19.69				
3	84QAM	15	0	19.59	19.87	19.73				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.71	22.92	22.88	24	0		
1.4	QPSK	1	0	22.87	22.84	22.87				
1.4	QPSK	1	5	22.76	22.71	22.74				
1.4	QPSK	3	0	22.67	22.83	22.84	23	1		
1.4	QPSK	3	1	22.70	22.90	22.83				
1.4	QPSK	3	3	22.76	22.72	22.73				
1.4	QPSK	6	0	21.72	21.78	21.69	23	1		
1.4	16QAM	1	0	21.76	21.84	21.71				
1.4	16QAM	1	3	21.63	21.72	21.66				
1.4	16QAM	1	5	21.57	21.76	21.56	23	1		
1.4	16QAM	3	0	21.56	21.61	21.72				
1.4	16QAM	3	1	21.62	21.62	21.69				
1.4	16QAM	3	3	21.47	21.67	21.41	22	2		
1.4	16QAM	6	0	20.55	20.76	20.64				
1.4	84QAM	1	0	20.57	20.65	20.72				
1.4	84QAM	1	3	20.73	20.82	20.72	22	2		
1.4	84QAM	1	5	20.66	20.75	20.53				
1.4	84QAM	3	0	20.67	20.76	20.60				
1.4	84QAM	3	1	20.54	20.66	20.69	21	3		
1.4	84QAM	3	3	20.81	20.72	20.57				
1.4	84QAM	6	0	19.70	19.85	19.84				

Band 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)										
20	QPSK	1	0	23.11	23.36	23.29	24	0		
20	QPSK	1	49	23.11	23.31	23.16				
20	QPSK	1	99	23.18	23.21	23.05				
20	QPSK	50	0	22.11	22.29	22.67	23	1		
20	QPSK	50	24	22.15	22.23	22.36				
20	QPSK	50	50	22.08	22.26	22.10				
20	QPSK	100	0	22.09	22.18	22.05	23	1		
20	16QAM	1	0	21.82	22.02	22.12				
20	16QAM	1	49							



Band 7								
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				2050	2110	2150		
Frequency (MHz)				2010	2035	2050		
20	QPSK	1	0	23.54	23.55	23.47		
20	QPSK	1	49	23.43	23.40	23.42	24	0
20	QPSK	1	99	23.45	23.39	23.39		
20	QPSK	50	0	22.25	22.45	22.42		
20	QPSK	50	24	22.26	22.44	22.40	23	1
20	QPSK	50	50	22.25	22.32	22.20		
20	QPSK	100	0	22.23	22.25	22.17		
20	16QAM	1	0	21.98	22.13	22.16		
20	16QAM	1	49	21.98	22.20	22.10	23	1
20	16QAM	1	99	21.93	22.13	22.07		
20	16QAM	50	0	21.22	21.32	21.31		
20	16QAM	50	24	21.18	21.34	21.17	22	2
20	16QAM	50	50	21.22	21.33	21.37		
20	16QAM	100	0	21.12	21.17	21.00		
20	64QAM	1	0	21.18	21.23	21.25		
20	64QAM	1	49	21.09	21.18	21.35	22	2
20	64QAM	99	21.10	21.31	21.02			
20	64QAM	50	0	20.39	20.53	20.48		
20	64QAM	50	24	20.27	20.48	20.40		
20	64QAM	50	50	20.29	20.19	20.16	21	3
20	64QAM	100	0	20.27	20.41	20.28		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20715	2035	20625		
15	QPSK	1	0	23.41	23.52	23.42		
15	QPSK	1	37	23.28	23.35	23.30	24	0
15	QPSK	1	74	23.31	23.30	23.37		
15	QPSK	36	0	22.14	22.46	22.38		
15	QPSK	36	20	22.28	22.28	22.29	23	1
15	QPSK	36	39	22.20	22.14	22.02		
15	QPSK	75	0	22.09	22.21	21.99		
15	16QAM	1	0	21.91	22.02	22.04		
15	16QAM	1	37	21.82	22.05	21.92	23	1
15	16QAM	1	74	21.81	22.02	22.01		
15	16QAM	36	0	21.19	21.27	21.15		
15	16QAM	36	20	21.04	21.27	21.14	22	2
15	16QAM	36	39	21.14	21.15	21.24		
15	16QAM	75	0	21.08	21.01	20.84		
15	64QAM	1	1	21.11	21.14	21.13		
15	64QAM	1	37	20.93	21.08	21.22	22	2
15	64QAM	1	74	20.95	21.18	20.86		
15	64QAM	36	0	20.28	20.46	20.32		
15	64QAM	36	20	20.24	20.33	20.38		
15	64QAM	36	39	20.11	20.05	20.05	21	3
15	64QAM	75	0	20.11	20.31	20.23		
Channel				20820	21100	21420	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20505	2035	20555		
10	QPSK	1	0	23.39	23.40	23.35		
10	QPSK	1	25	23.29	23.35	23.25	24	0
10	QPSK	1	49	23.33	23.32	23.23		
10	QPSK	25	0	22.13	22.42	22.38		
10	QPSK	25	12	22.33	22.30	22.31	23	1
10	QPSK	25	25	22.11	22.22	22.04		
10	QPSK	50	0	22.10	22.11	22.05		
10	16QAM	1	0	21.84	22.01	22.01		
10	16QAM	1	25	21.95	22.14	21.96	23	1
10	16QAM	1	49	21.79	22.07	22.04		
10	16QAM	25	0	21.07	21.21	21.18		
10	16QAM	25	12	21.14	21.26	21.06	22	2
10	16QAM	25	25	21.09	21.25	21.28		
10	16QAM	50	0	20.98	21.13	20.82		
10	64QAM	1	0	21.03	21.18	21.13		
10	64QAM	1	25	20.98	21.04	21.33	22	2
10	64QAM	1	49	20.95	21.26	20.95		
10	64QAM	25	0	20.35	20.37	20.38		
10	64QAM	25	12	20.24	20.38	20.28		
10	64QAM	25	25	20.21	20.15	20.07	21	3
10	64QAM	50	0	20.24	20.32	20.22		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20525	2035	20575		
5	QPSK	1	0	23.39	23.43	23.29		
5	QPSK	1	12	23.41	23.37	23.32	24	0
5	QPSK	1	24	23.43	23.30	23.27		
5	QPSK	12	0	22.18	22.42	22.28		
5	QPSK	12	7	22.28	22.40	22.30	23	1
5	QPSK	12	13	22.21	22.14	22.16		
5	QPSK	25	0	22.19	22.11	21.99		
5	16QAM	1	0	21.84	22.05	22.10		
5	16QAM	1	12	21.82	22.11	22.01	23	1
5	16QAM	1	24	21.81	22.01	21.93		
5	16QAM	12	0	21.06	21.25	21.21		
5	16QAM	12	7	21.01	21.18	21.04	22	2
5	16QAM	12	13	21.18	21.29	21.31		
5	16QAM	25	0	21.04	20.99	20.89		
5	64QAM	1	0	21.03	21.10	21.23		
5	64QAM	1	12	20.99	21.03	21.29	22	2
5	64QAM	1	24	21.00	21.17	20.85		
5	64QAM	12	0	20.24	20.49	20.34		
5	64QAM	12	7	20.23	20.44	20.35	21	3
5	64QAM	12	13	20.23	20.09	20.12		
5	64QAM	25	0	20.14	20.29	20.15		

Band 26								
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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.30	23.39	23.32		
15	QPSK	1	37	23.17	23.21	23.14	24	0
15	QPSK	1	74	23.32	23.23	23.11		
15	QPSK	36	0	21.98	22.32	22.21		
15	QPSK	36	20	22.09	22.36	22.25	23	1
15	QPSK	36	39	22.11	22.15	22.00		
15	QPSK	75	0	22.09	22.12	22.03		
15	16QAM	1	0	21.83	21.99	21.95		
15	16QAM	1	37	21.80	22.01	21.84	23	1
15	16QAM	1	74	21.77	21.96	21.88		
15	16QAM	36	0	20.96	21.05	21.13		
15	16QAM	36	20	21.05	21.13	21.05	22	2
15	16QAM	36	39	20.99	21.12	21.15		
15	16QAM	75	0	20.88	21.03	20.87		
15	64QAM	1	0	21.04	21.02	21.12		
15	64QAM	1	37	20.92	20.98	21.13	22	2
15	64QAM	1	74	20.96	21.04	20.85		
15	64QAM	36	0	20.15	20.28	20.34		
15	64QAM	36	20	20.13	20.31	20.24	21	3
15	64QAM	36	39	20.15	20.02	20.03		
15	64QAM	75	0	19.99	20.24	20.12		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	23.25	23.36	23.16		
10	QPSK	1	25	23.01	23.10	23.04	24	0
10	QPSK	1	49	23.30	23.10	23.09		
10	QPSK	25	0	21.86	22.22	22.14		
10	QPSK	25	12	22.05	22.20	22.18	23	1
10	QPSK	25	25	22.02	22.03	21.82		
10	QPSK	50	0	22.03	21.99	21.88		
10	16QAM	1	0	21.89	21.97	21.91		
10	16QAM	1	25	21.69	21.88	21.80	23	1
10	16QAM	1	49	21.62	21.92	21.71		
10	16QAM	25	0	20.87	20.99	21.05		
10	16QAM	25	12	20.89	21.05	20.89	22	2
10	16QAM	25	25	20.82	21.00	21.03		
10	16QAM	50	0	20.70	20.94	20.80		
10	64QAM	1	0	20.97	20.92	21.02		
10	64QAM	1	25	20.86	20.93	20.95	22	2
10	64QAM	1	49	20.79	21.01	20.74		
10	64QAM	25	0	20.01	20.13	20.25		
10	64QAM	25	12	19.99	20.26	20.17	21	3
10	64QAM	25	25	19.87	19.85	19.86		
10	64QAM	50	0	19.87	20.13	20.10		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	23.23	23.26	23.22		
5	QPSK	1	12	23.03	23.12	22.98	24	0
5	QPSK	1	24	23.28	23.17	22.94		
5	QPSK	12	0	21.92	22.19	22.18		
5	QPSK	12	7	21.95	22.23	22.08	23	1
5	QPSK	12	13	22.00	22.10	21.93		
5	QPSK							



Band 38										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.44	23.46	23.42	24	0		
20	QPSK	1	49	23.21	23.26	23.25				
20	QPSK	1	99	23.45	23.35	23.29	23	1		
20	QPSK	50	0	22.42	22.49	22.37				
20	QPSK	50	24	22.31	22.38	22.42	23	1		
20	QPSK	50	50	22.38	22.43	22.37				
20	QPSK	100	0	22.16	22.18	22.17	23	1		
20	16QAM	1	0	21.86	22.03	22.11				
20	16QAM	1	49	21.94	22.13	21.87	22	2		
20	16QAM	1	99	21.82	22.05	22.04				
20	16QAM	50	0	21.05	21.10	21.20	22	2		
20	16QAM	50	24	21.22	21.29	21.10				
20	16QAM	50	50	21.02	21.22	21.18	22	2		
20	16QAM	100	0	21.03	21.18	21.03				
20	64QAM	1	0	21.12	21.07	21.26	22	2		
20	64QAM	1	49	21.03	21.03	21.15				
20	64QAM	1	99	21.06	21.10	20.94	21	3		
20	64QAM	50	0	20.28	20.34	20.39				
20	64QAM	50	24	20.30	20.40	20.36	21	3		
20	64QAM	50	50	20.24	20.13	20.19				
20	64QAM	100	0	20.09	20.32	20.22				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.35	23.41	23.26	24	0		
15	QPSK	1	37	23.17	23.17	23.17				
15	QPSK	1	74	23.37	23.19	23.16	23	1		
15	QPSK	36	0	22.38	22.41	22.25				
15	QPSK	36	20	22.18	22.27	22.33	23	1		
15	QPSK	36	39	22.28	22.40	22.25				
15	QPSK	75	0	22.03	22.07	22.13	23	1		
15	16QAM	1	0	21.76	21.97	22.05				
15	16QAM	1	37	21.84	22.02	21.70	22	2		
15	16QAM	1	74	21.79	22.02	21.94				
15	16QAM	36	0	21.01	21.08	21.04	22	2		
15	16QAM	36	20	21.12	21.17	21.07				
15	16QAM	36	39	20.94	21.07	21.03	21	3		
15	16QAM	75	0	20.88	21.10	21.00				
15	64QAM	1	0	20.95	20.99	21.09	22	2		
15	64QAM	1	37	20.92	20.99	21.02				
15	64QAM	1	74	20.93	20.94	20.80	21	3		
15	64QAM	36	0	20.24	20.23	20.29				
15	64QAM	36	20	20.23	20.25	20.33	21	3		
15	64QAM	36	39	20.14	19.99	20.11				
15	64QAM	75	0	19.98	20.18	20.11				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.28	23.33	23.33	24	0		
10	QPSK	1	25	23.05	23.14	23.18				
10	QPSK	1	49	23.36	23.18	23.11	23	1		
10	QPSK	25	0	22.25	22.38	22.29				
10	QPSK	25	12	22.27	22.28	22.35	23	1		
10	QPSK	25	25	22.26	22.31	22.20				
10	QPSK	50	0	22.13	22.13	22.10	23	1		
10	16QAM	1	0	21.74	21.92	22.02				
10	16QAM	1	25	21.81	21.96	21.83	22	2		
10	16QAM	1	49	21.74	21.95	22.02				
10	16QAM	25	0	21.00	20.94	21.05	22	2		
10	16QAM	25	12	21.04	21.26	21.05				
10	16QAM	25	25	20.85	21.04	21.09	21	3		
10	16QAM	50	0	20.88	21.12	20.93				
10	64QAM	1	0	21.05	20.93	21.17	22	2		
10	64QAM	1	25	20.91	20.98	21.08				
10	64QAM	1	49	21.01	21.08	20.94	22	2		
10	64QAM	25	0	20.18	20.32	20.34				
10	64QAM	25	12	20.18	20.28	20.32	21	3		
10	64QAM	25	25	20.14	20.04	20.13				
10	64QAM	50	0	19.98	20.29	20.14				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.28	23.38	23.30	24	0		
5	QPSK	1	12	23.15	23.10	23.16				
5	QPSK	1	24	23.34	23.25	23.27	23	1		
5	QPSK	12	0	22.38	22.44	22.27				
5	QPSK	12	7	22.23	22.22	22.31	23	1		
5	QPSK	12	13	22.24	22.39	22.25				
5	QPSK	25	0	22.06	22.14	22.02	23	1		
5	16QAM	1	0	21.72	21.97	21.94				
5	16QAM	1	12	21.86	22.05	21.79	22	2		
5	16QAM	1	24	21.71	21.97	21.98				
5	16QAM	12	0	20.90	20.99	21.16	22	2		
5	16QAM	12	7	21.13	21.28	21.03				
5	16QAM	12	13	20.92	21.05	21.13	21	3		
5	16QAM	25	0	20.96	21.06	20.85				
5	64QAM	1	0	21.09	21.01	21.18	22	2		
5	64QAM	1	12	21.00	20.90	21.01				
5	64QAM	1	24	20.89	21.06	20.91	22	2		
5	64QAM	12	0	20.15	20.25	20.36				
5	64QAM	12	7	20.16	20.33	20.36	21	3		
5	64QAM	12	13	20.14	20.02	20.13				
5	64QAM	25	0	19.91	20.22	20.10				

Band 41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.40	23.46	23.53	23.50	23.37	24	0
20	QPSK	1	49	23.19	23.18	23.33	23.26	23.31		
20	QPSK	1	99	23.46	23.40	23.42	23.22	23.22	23	1
20	QPSK	50	0	22.43	22.43	22.55	22.29	22.41		
20	QPSK	50	24	22.29	22.27	22.32	22.39	22.47	23	1
20	QPSK	50	50	22.38	22.40	22.37	22.33	22.41		
20	QPSK	100	0	22.13	22.15	22.17	22.13	22.10	23	1
20	16QAM	1	0	21.88	21.93	21.96	22.16	22.06		
20	16QAM	1	49	21.89	21.98	22.10	21.82	21.83	22	2
20	16QAM	1	99	21.84	21.87	22.12	22.07	22.07		
20	16QAM	50	0	20.99	21.12	21.04	21.21	21.27	22	2
20	16QAM	50	24	21.21	21.26	21.26	21.08	21.13		
20	16QAM	50	50	20.99	21.10	21.30	21.16	21.26	22	2
20	64QAM	1	0	21.09	21.07	21.10	21.23	21.31		
20	64QAM	1	49	21.09	20.99	21.01	21.14	21.21	22	2
20	64QAM	1	99	21.09	21.05	21.17	20.90	21.01		
20	64QAM	50	0	20.25	20.30	20.34	20.32	20.36	21	3
20	64QAM	50	24	20.26	20.33	20.48	20.42	20.32		
20	64QAM	50	50	20.28	20.31	20.07	20.17	20.14	21	3
20	64QAM	100	0	20.06	20.15	20.40	20.28	20.17		
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.38	23.33	23.41	23.43	23.22	24	0
15	QPSK	1	37	23.12	23.07	23.25	23.14	23.16		
15	QPSK	1	74	23.43	23.32	23.31	23.08	23.19	23	1
15	QPSK	36	0	22.41	22.38	22.51	22.13	22.32		
15	QPSK	36	20	22.17	22.10	22.22	22.32	22.31	23	1
15	QPSK	36	39	22.35	22.33	22.28	22.25	22.35		
15	QPSK	75	0	22.07	22.13	22.14	22.32	21.93	23	1
15	16QAM	1	0	21.82	21.90	21.91	22.05	21.88		
15	16QAM	1	37	21.82	21.95	22.02	21.69	21.78	22	2
15	16QAM	1	74	21.72	21.79	22.04	21.86	21.97		
15	16QAM	36	0	20.92	21.08	20.98	21.17	21.18	22	2
15	16QAM	36	20	21.18	21.21	21.11	20.91	21.01		
15	16QAM	36	39	20.81	21.01	21.20	21.11	21.09	21	3
15	16QAM	75	0	21.01	20.94	21.20	20.86	20.96		
15	64QAM	1	0	21.01	20.94	20.98	21.11	21.27	22	2
15	64QAM									



Reduced Power Mode for Receiver on

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	182	188	251		182	188	251	
TX Channel	524.2	536.4	848.8		524.2	536.4	848.8	
Frequency (MHz)	31.17	31.26	31.09	32.00	22.17	22.26	22.09	23.00
GPRS 1 Tx slot	31.06	31.22	31.03	32.00	22.06	22.22	22.03	23.00
GPRS 2 Tx slots	30.15	30.29	30.02	31.00	24.15	24.29	24.02	25.00
GPRS 3 Tx slots	28.14	28.25	27.98	29.00	23.88	23.99	23.70	24.74
GPRS 4 Tx slots	26.99	27.13	26.84	28.00	23.99	24.13	23.84	25.00
EDGE 1 Tx slot	25.27	25.41	25.25	26.00	16.27	16.41	16.25	17.00
EDGE 2 Tx slots	24.17	24.22	24.02	25.00	18.17	18.22	18.02	19.00
EDGE 3 Tx slots	21.76	21.89	21.61	22.50	17.50	17.63	17.35	18.24
EDGE 4 Tx slots	20.32	20.43	20.16	21.00	17.32	17.43	17.16	18.00

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)	26.95	27.15	27.11	28.00	17.95	18.19	18.11	19.00
GPRS 1 Tx slot	25.90	27.14	26.98	28.00	17.90	18.14	17.88	19.00
GPRS 2 Tx slots	25.95	26.16	26.11	27.00	19.95	20.16	20.11	21.00
GPRS 3 Tx slots	24.00	24.24	24.14	25.00	19.74	19.98	19.88	20.74
GPRS 4 Tx slots	23.13	23.35	23.25	24.00	20.13	20.28	20.25	21.00
EDGE 1 Tx slot	22.23	22.46	22.34	23.00	13.23	13.46	13.34	14.00
EDGE 2 Tx slots	21.20	21.44	21.39	22.00	15.20	15.44	15.39	16.00
EDGE 3 Tx slots	19.39	19.51	19.35	20.00	15.13	15.25	15.09	15.74
EDGE 4 Tx slots	18.62	18.25	18.16	19.00	15.02	15.25	15.16	16.00

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	8400	8538		4132	4182	4233		
TX Channel	8662	8900	9338		4367	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	19.69	19.70	19.62	21.00	22.93	23.09	23.03	24.00
3GPP Rel 99	RMC 12.2Kbps	19.73	19.76	19.70	21.00	23.03	23.14	23.05	24.00
3GPP Rel 6	HSDPA Subtest-1	18.83	18.85	18.69	20.00	22.16	22.29	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	18.95	18.75	18.68	20.00	22.11	22.08	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	18.31	18.18	18.27	19.50	21.61	21.37	21.55	22.50
3GPP Rel 6	HSDPA Subtest-4	18.35	18.12	18.25	19.50	21.68	21.43	21.53	22.50
3GPP Rel 6	DCHSDPA Subtest-1	18.59	18.75	18.61	20.00	21.89	21.98	21.82	23.00
3GPP Rel 6	DCHSDPA Subtest-2	18.70	18.89	18.64	20.00	22.05	22.18	21.81	23.00
3GPP Rel 6	DCHSDPA Subtest-3	18.39	18.16	18.16	19.50	21.64	21.60	21.43	22.50
3GPP Rel 6	DCHSDPA Subtest-4	18.16	18.15	18.16	19.50	21.40	21.42	21.30	22.50
3GPP Rel 6	HSUPA Subtest-1	18.67	18.67	18.71	20.00	21.95	22.13	21.94	23.00
3GPP Rel 6	HSUPA Subtest-2	16.77	16.59	16.78	18.00	20.09	19.97	19.99	21.00
3GPP Rel 6	HSUPA Subtest-3	17.86	17.65	17.65	19.00	21.11	21.03	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	16.64	16.93	16.98	18.00	19.94	20.15	19.98	21.00
3GPP Rel 6	HSUPA Subtest-5	18.71	18.84	18.74	20.00	22.06	22.14	22.10	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.72	15.77	15.85	17.50	19.06	19.13	19.20	20.50



Band 2										
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	20.58	20.72	20.59			22	0
20	QPSK	1	49	20.45	20.59	20.62				
20	QPSK	1	99	20.43	20.54	20.47				
20	QPSK	50	0	20.61	20.64	20.54				
20	QPSK	50	24	20.52	20.59	20.58			22	0
20	QPSK	50	50	20.43	20.54	20.47				
20	QPSK	100	0	20.44	20.64	20.52				
20	16QAM	1	0	20.46	20.45	20.46				
20	16QAM	1	49	20.47	20.58	20.45			22	0
20	16QAM	1	99	20.37	20.53	20.39				
20	16QAM	50	0	20.58	20.70	20.66				
20	16QAM	50	24	20.52	20.58	20.50			22	0
20	16QAM	50	50	20.52	20.68	20.48				
20	16QAM	100	0	20.56	20.57	20.47				
20	64QAM	1	0	20.42	20.48	20.45				
20	64QAM	1	49	20.46	20.57	20.41			22	0
20	64QAM	1	99	20.57	20.67	20.47				
20	64QAM	50	0	19.51	19.71	19.58				
20	64QAM	50	24	19.44	19.56	19.48			21	1
20	64QAM	50	50	19.59	19.64	19.56				
20	64QAM	100	0	19.55	19.67	19.57				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.53	20.58	20.53			22	0
15	QPSK	1	37	20.41	20.54	20.50				
15	QPSK	1	74	20.28	20.40	20.36				
15	QPSK	36	0	20.57	20.52	20.42				
15	QPSK	36	20	20.35	20.51	20.52			22	0
15	QPSK	36	39	20.30	20.54	20.40				
15	QPSK	75	0	20.29	20.54	20.48				
15	16QAM	1	0	20.35	20.34	20.33			22	0
15	16QAM	1	37	20.42	20.44	20.32				
15	16QAM	1	74	20.25	20.44	20.32				
15	16QAM	36	0	20.51	20.67	20.61				
15	16QAM	36	20	20.55	20.49	20.43			22	0
15	16QAM	36	39	20.42	20.44	20.36				
15	16QAM	75	0	20.51	20.46	20.39				
15	64QAM	1	0	20.35	20.38	20.38			22	0
15	64QAM	1	37	20.32	20.47	20.27				
15	64QAM	1	74	20.45	20.59	20.39				
15	64QAM	36	0	19.50	19.65	19.46			21	1
15	64QAM	36	20	19.31	19.52	19.33				
15	64QAM	36	39	19.45	19.52	19.47				
15	64QAM	75	0	19.44	19.54	19.53				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.48	20.59	20.46			22	0
10	QPSK	1	25	20.38	20.49	20.56				
10	QPSK	1	49	20.31	20.50	20.35				
10	QPSK	25	0	20.54	20.53	20.41				
10	QPSK	25	12	20.38	20.47	20.49			22	0
10	QPSK	25	25	20.31	20.53	20.42				
10	QPSK	50	0	20.31	20.51	20.48				
10	16QAM	1	0	20.32	20.37	20.35				
10	16QAM	1	25	20.40	20.49	20.30			22	0
10	16QAM	1	49	20.26	20.45	20.26				
10	16QAM	25	0	20.50	20.66	20.60				
10	16QAM	25	12	20.51	20.52	20.44			22	0
10	16QAM	25	25	20.38	20.52	20.41				
10	16QAM	50	0	20.44	20.43	20.39				
10	64QAM	1	0	20.27	20.43	20.36			22	0
10	64QAM	1	25	20.38	20.47	20.37				
10	64QAM	1	49	20.44	20.59	20.37				
10	64QAM	25	0	19.52	19.57	19.59			21	1
10	64QAM	25	12	19.34	19.44	19.34				
10	64QAM	25	25	19.50	19.54	19.42				
10	64QAM	50	0	19.51	19.52	19.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.50	20.65	20.45			22	0
5	QPSK	1	12	20.40	20.41	20.48				
5	QPSK	1	24	20.32	20.49	20.34				
5	QPSK	12	0	20.47	20.57	20.50				
5	QPSK	12	7	20.39	20.46	20.54			22	0
5	QPSK	12	13	20.36	20.49	20.40				
5	QPSK	25	0	20.35	20.61	20.41				
5	16QAM	1	0	20.32	20.31	20.31			22	0
5	16QAM	1	12	20.32	20.43	20.32				
5	16QAM	1	24	20.28	20.46	20.32				
5	16QAM	12	0	20.47	20.61	20.58				
5	16QAM	12	7	20.57	20.50	20.38			22	0
5	16QAM	12	13	20.43	20.49	20.41				
5	16QAM	25	0	20.45	20.53	20.38				
5	64QAM	1	0	20.32	20.41	20.34			22	0
5	64QAM	1	12	20.32	20.47	20.30				
5	64QAM	1	24	20.44	20.55	20.43				
5	64QAM	12	0	19.50	19.65	19.55			21	1
5	64QAM	12	7	19.31	19.45	19.42				
5	64QAM	12	13	19.52	19.56	19.42				
5	64QAM	25	0	19.51	19.52	19.44				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.44	20.63	20.56			22	0
3	QPSK	1	8	20.34	20.50	20.52				
3	QPSK	1	14	20.30	20.51	20.37				
3	QPSK	8	0	20.52	20.49	20.43				
3	QPSK	8	7	20.28	20.49	20.32			22	0
3	QPSK	8	14	20.40	20.47	20.47				
3	QPSK	15	0	20.35	20.50	20.47				
3	16QAM	1	0	20.42	20.40	20.39				
3	16QAM	1	8	20.42	20.55	20.36			22	0
3	16QAM	1	14	20.26	20.44	20.33				
3	16QAM	8	0	20.55	20.58	20.60				
3	16QAM	8	7	20.48	20.49	20.46			22	0
3	16QAM	8	14	20.48	20.49	20.46				
3	16QAM	15	0	20.51	20.47	20.37				
3	64QAM	1	0	20.32	20.39	20.40				
3	64QAM	1	8	20.32	20.54	20.31			22	0
3	64QAM	1	14	20.44	20.62	20.48				
3	64QAM	8	0	19.54	19.62	19.47				
3	64QAM	8	7	19.36	19.43	19.39			21	1
3	64QAM	8	14	19.52	19.60	19.45				
3	64QAM	15	0	19.43	19.60	19.49				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.49	20.66	20.48			22	0
1.4	QPSK	1	0	20.38	20.48	20.47				
1.4	QPSK	1	5	20.31	20.47	20.38				
1.4	QPSK	3	0	20.52	20.57	20.41				
1.4	QPSK	3	1	20.33	20.50	20.55				
1.4	QPSK	3	3	20.35	20.51	20.34			22	0
1.4	QPSK	6	0	20.33	20.51	20.37				
1.4	16QAM	1	0	20.40	20.40	20.35				
1.4	16QAM	1	3	20.34	20.44	20.37			22	0
1.4	16QAM	1	5	20.23	20.39	20.28				
1.4	16QAM	3	0	20.46	20.62	20.56				
1.4	16QAM	3	1	20.58	20.51	20.37				
1.4	16QAM	3	3	20.49	20.49	20.42			22	0
1.4	16QAM	6	0	20.43	20.42	20.42				
1.4	64QAM	1	0	20.32	20.38	20.40				
1.4	64QAM	1	3	20.34	20.48	20.29			22	0
1.4	64QAM	1	5	20.52	20.58	20.41				
1.4	64QAM	3	0	20.53	20.56	20.44				
1.4	64QAM	3	1	20.31	20.50	20.36				
1.4	64QAM	3	3	20.45	20.56	20.47				
1.4	64QAM	6	0	19.46	19.58	19.49			21	1

Band 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit			



Band 7								
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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.19	17.26	17.09		
20	QPSK	1	49	17.00	17.12	17.08	18	0
20	QPSK	1	99	16.97	17.11	17.03		
20	QPSK	50	0	17.03	17.15	17.12		
20	QPSK	50	24	16.97	17.00	16.95	18	0
20	QPSK	50	50	16.89	17.04	16.91		
20	QPSK	100	0	17.03	17.08	17.00		
20	16QAM	1	0	17.04	17.08	17.05		
20	16QAM	1	49	17.11	17.23	17.08	18	0
20	16QAM	1	99	17.04	17.17	17.12		
20	16QAM	50	0	17.15	17.23	17.07		
20	16QAM	50	24	17.13	17.18	17.15	18	0
20	16QAM	50	50	17.03	17.09	17.06		
20	16QAM	100	0	16.98	17.12	17.02		
20	64QAM	1	0	16.88	16.97	16.90		
20	64QAM	1	49	17.04	17.13	17.10	18	0
20	64QAM	99	0	16.87	17.00	16.89		
20	64QAM	50	0	17.19	17.20	17.19	18	0
20	64QAM	50	24	17.03	17.07	17.11		
20	64QAM	50	50	16.92	17.06	16.96	18	0
20	64QAM	100	0	16.93	17.08	17.03		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.05	17.21	17.05		
15	QPSK	1	37	16.98	17.01	17.02	18	0
15	QPSK	1	74	16.87	16.99	16.95		
15	QPSK	36	0	16.95	17.05	17.01		
15	QPSK	36	20	16.83	16.91	16.81	18	0
15	QPSK	36	39	16.85	16.99	16.86		
15	QPSK	75	0	16.97	16.93	16.93		
15	16QAM	1	0	16.93	17.05	17.02		
15	16QAM	1	37	17.06	17.15	16.96	18	0
15	16QAM	1	74	16.89	17.11	17.01		
15	16QAM	36	0	17.08	17.10	16.97		
15	16QAM	36	20	17.00	17.09	17.07	18	0
15	16QAM	36	39	16.99	17.00	16.98		
15	16QAM	75	0	16.96	17.07	16.98		
15	64QAM	1	1	16.77	16.82	16.85	18	0
15	64QAM	1	37	16.99	17.05	16.96		
15	64QAM	1	74	16.82	16.89	16.80		
15	64QAM	36	0	17.10	17.09	17.06		
15	64QAM	36	20	16.90	17.00	16.98	18	0
15	64QAM	36	39	16.82	16.91	16.83		
15	64QAM	75	0	16.81	17.01	16.91		
Channel				20820	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.08	17.13	17.01		
10	QPSK	1	25	16.93	17.03	17.01	18	0
10	QPSK	1	49	16.94	16.99	16.91		
10	QPSK	25	0	16.92	17.05	17.03		
10	QPSK	25	12	16.93	16.90	16.85	18	0
10	QPSK	25	25	16.85	16.95	16.78		
10	QPSK	50	0	16.95	16.93	16.96		
10	16QAM	1	0	16.94	16.97	17.01		
10	16QAM	1	25	17.03	17.19	16.96	18	0
10	16QAM	1	49	16.89	17.09	17.05		
10	16QAM	25	0	17.11	17.10	16.98		
10	16QAM	25	12	17.02	17.06	17.05	18	0
10	16QAM	25	25	16.96	17.04	16.94		
10	16QAM	50	0	16.89	17.03	16.99		
10	64QAM	1	0	16.78	16.84	16.75		
10	64QAM	1	25	16.94	17.10	16.97	18	0
10	64QAM	1	49	16.75	16.91	16.78		
10	64QAM	25	0	17.09	17.09	17.09	18	0
10	64QAM	25	12	16.93	17.01	17.02		
10	64QAM	25	25	16.87	16.93	16.83		
10	64QAM	50	0	16.83	16.97	17.00	18	0
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.14	17.18	17.01		
5	QPSK	1	12	16.94	17.06	16.97	18	0
5	QPSK	1	24	16.84	16.98	16.97		
5	QPSK	12	0	16.97	17.08	16.98		
5	QPSK	12	7	16.87	16.91	16.87	18	0
5	QPSK	12	13	16.75	16.90	16.82		
5	QPSK	25	0	16.96	16.96	16.88		
5	16QAM	1	0	16.96	16.99	16.98		
5	16QAM	1	12	17.00	17.15	16.90	18	0
5	16QAM	1	24	17.01	17.03	17.08		
5	16QAM	12	0	17.04	17.16	16.92		
5	16QAM	12	7	17.06	17.15	17.08	18	0
5	16QAM	12	13	16.91	17.02	17.00		
5	16QAM	25	0	16.95	17.02	16.88		
5	64QAM	1	0	16.79	16.85	16.81	18	0
5	64QAM	1	12	16.95	17.10	16.96		
5	64QAM	1	24	16.80	16.95	16.76		
5	64QAM	12	0	17.11	17.15	17.15		
5	64QAM	12	7	16.95	16.96	16.99	18	0
5	64QAM	12	13	16.86	16.92	16.85		
5	64QAM	25	0	16.79	17.02	16.96		

Band 26								
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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.30	23.39	23.32		
15	QPSK	1	37	23.17	23.21	23.14	24	0
15	QPSK	1	74	23.32	23.23	23.11		
15	QPSK	36	0	21.98	22.32	22.21		
15	QPSK	36	20	22.09	22.36	22.25	23	1
15	QPSK	36	39	22.11	22.15	22.00		
15	QPSK	75	0	22.09	22.12	22.03		
15	16QAM	1	0	21.83	21.99	21.95		
15	16QAM	1	37	21.80	22.01	21.84	23	1
15	16QAM	1	74	21.77	21.96	21.88		
15	16QAM	36	0	20.96	21.05	21.13		
15	16QAM	36	20	21.05	21.13	21.05	22	2
15	16QAM	36	39	20.99	21.12	21.15		
15	16QAM	75	0	20.88	21.03	20.87		
15	64QAM	1	0	21.04	21.02	21.12		
15	64QAM	1	37	20.92	20.98	21.13	22	2
15	64QAM	1	74	20.96	21.04	20.85		
15	64QAM	36	0	20.15	20.28	20.34	21	3
15	64QAM	36	20	20.13	20.31	20.24		
15	64QAM	36	39	20.15	20.02	20.03		
15	64QAM	75	0	19.99	20.24	20.12		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	23.25	23.36	23.16		
10	QPSK	1	25	23.01	23.10	23.04	24	0
10	QPSK	1	49	23.30	23.10	23.09		
10	QPSK	25	0	21.86	22.22	22.14		
10	QPSK	25	12	22.05	22.20	22.18	23	1
10	QPSK	25	25	22.02	22.03	21.82		
10	QPSK	50	0	22.03	21.99	21.88		
10	16QAM	1	0	21.69	21.97	21.91	23	1
10	16QAM	1	25	21.69	21.88	21.80		
10	16QAM	1	49	21.62	21.92	21.71		
10	16QAM	25	0	20.87	20.99	21.05		
10	16QAM	25	12	20.89	21.05	20.89	22	2
10	16QAM	25	25	20.82	21.00	21.03		
10	16QAM	50	0	20.70	20.95	20.80		
10	64QAM	1	0	20.97	20.92	21.02		
10	64QAM	1	25	20.86	20.93	20.95	22	2
10	64QAM	1	49	20.79	21.01	20.74		
10	64QAM	25	0	20.01	20.13	20.25		
10	64QAM	25	12	19.99	20.26	20.17	21	3
10	64QAM	25	25	19.87	19.85	19.86		
10	64QAM	50	0	19.87	20.13	20.10		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	23.23	23.26	23.22		
5	QPSK	1	12	23.03	23.12	22.98	24	0
5	QPSK	1	24	23.28	23.17	22.94		
5	QPSK	12	0	21.92	22.19	22.18		
5	QPSK	12	7	21.95	22.23	22.08	23	1
5	QPSK	12	13	22.00	22.10	21.93		



Band 38										
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)				2580	2595	2610				
20	QPSK	1	0	17.09	17.24	17.09	18	0		
20	QPSK	1	49	17.02	17.15	17.07				
20	QPSK	1	99	17.01	17.11	17.05	18	0		
20	QPSK	50	0	17.02	17.15	17.05				
20	QPSK	50	24	16.84	17.04	16.84	18	0		
20	QPSK	50	50	16.87	16.97	16.87				
20	QPSK	100	0	16.83	17.01	16.95	18	0		
20	16QAM	1	0	16.88	16.93	16.96				
20	16QAM	1	49	16.93	17.03	17.00	18	0		
20	16QAM	1	99	16.95	17.06	16.96				
20	16QAM	50	0	17.02	17.20	17.12	18	0		
20	16QAM	50	24	17.01	17.00	16.97				
20	16QAM	50	50	16.98	17.13	17.01	18	0		
20	16QAM	100	0	16.97	17.10	16.90				
20	16QAM	1	0	16.73	16.76	16.74	18	0		
20	16QAM	1	49	16.93	16.99	16.96				
20	16QAM	1	99	16.86	16.91	16.84	18	0		
20	16QAM	50	0	17.11	17.20	17.04				
20	16QAM	50	24	17.10	17.07	17.04	18	0		
20	16QAM	50	50	17.05	17.07	16.96				
20	16QAM	100	0	17.05	17.01	16.97				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	17.03	17.21	16.98	18	0		
15	QPSK	1	37	16.91	17.06	16.99				
15	QPSK	1	74	16.94	17.02	16.94	18	0		
15	QPSK	36	0	16.92	17.08	17.00				
15	QPSK	36	20	16.76	17.01	16.80	18	0		
15	QPSK	36	39	16.73	16.85	16.81				
15	QPSK	75	0	16.79	16.94	16.96	18	0		
15	16QAM	1	0	16.75	16.90	16.81				
15	16QAM	1	37	16.83	16.96	16.87	18	0		
15	16QAM	1	74	16.87	16.92	16.88				
15	16QAM	36	0	16.89	17.08	16.98	18	0		
15	16QAM	36	20	16.93	16.89	16.92				
15	16QAM	36	39	16.98	17.10	16.97	18	0		
15	16QAM	75	0	16.85	16.99	16.87				
15	16QAM	1	0	16.67	16.73	16.70	18	0		
15	16QAM	1	37	16.81	16.87	16.88				
15	16QAM	1	74	16.81	16.88	16.74	18	0		
15	16QAM	36	0	17.05	17.13	16.90				
15	16QAM	36	20	16.97	16.99	16.94	18	0		
15	16QAM	36	39	16.95	17.00	16.91				
15	16QAM	75	0	16.94	16.88	16.86				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	16.94	17.11	17.03	18	0		
10	QPSK	1	25	16.88	17.03	17.02				
10	QPSK	1	49	16.96	17.03	17.01	18	0		
10	QPSK	25	0	16.87	17.04	17.02				
10	QPSK	25	12	16.75	16.97	16.81	18	0		
10	QPSK	25	25	16.82	16.93	16.74				
10	QPSK	50	0	16.75	16.96	16.87	18	0		
10	16QAM	1	0	16.76	16.81	16.71				
10	16QAM	1	25	16.84	16.98	16.90	18	0		
10	16QAM	1	49	16.84	16.97	16.88				
10	16QAM	25	0	16.99	17.12	16.98	18	0		
10	16QAM	25	12	16.95	16.90	16.87				
10	16QAM	25	25	16.92	17.09	16.93	18	0		
10	16QAM	50	0	16.93	17.02	16.86				
10	16QAM	1	0	16.65	16.63	16.61	18	0		
10	16QAM	1	25	16.87	16.86	16.88				
10	16QAM	1	49	16.73	16.86	16.76	18	0		
10	16QAM	25	0	17.01	17.07	16.97				
10	16QAM	25	12	17.00	16.94	16.92	18	0		
10	16QAM	25	25	16.91	16.92	16.92				
10	16QAM	50	0	16.94	16.95	16.82				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	17.01	17.19	16.94	18	0		
5	QPSK	1	12	16.89	17.09	16.98				
5	QPSK	1	24	16.89	17.05	17.02	18	0		
5	QPSK	12	0	16.87	17.05	16.98				
5	QPSK	12	7	16.76	16.94	16.73	18	0		
5	QPSK	12	13	16.77	16.87	16.81				
5	QPSK	25	0	16.78	16.94	16.87	18	0		
5	16QAM	1	0	16.84	16.80	16.81				
5	16QAM	1	12	16.84	16.89	16.90	18	0		
5	16QAM	1	24	16.88	16.91	16.89				
5	16QAM	12	0	16.89	17.05	17.08	18	0		
5	16QAM	12	7	16.90	16.89	16.92				
5	16QAM	12	13	16.93	17.09	16.91	18	0		
5	16QAM	25	0	16.83	17.00	16.78				
5	16QAM	1	0	16.69	16.71	16.65	18	0		
5	16QAM	1	12	16.80	16.85	16.85				
5	16QAM	1	24	16.71	16.90	16.77	18	0		
5	16QAM	12	0	16.97	17.05	16.90				
5	16QAM	12	7	16.97	16.93	17.01	18	0		
5	16QAM	12	13	17.00	17.04	16.92				
5	16QAM	25	0	17.00	16.98	16.83				

Band 41										
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				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	17.23	17.16	17.39	18	0		
20	QPSK	1	49	17.19	17.15	17.28				
20	QPSK	1	99	17.03	17.11	17.16	18	0		
20	QPSK	50	0	17.14	17.09	17.23				
20	QPSK	50	24	17.07	16.97	17.11	18	0		
20	QPSK	50	50	17.09	17.00	17.13				
20	QPSK	100	0	16.98	17.02	17.12	18	0		
20	16QAM	1	0	16.97	16.94	17.02				
20	16QAM	1	49	17.03	17.03	17.16	18	0		
20	16QAM	1	99	17.16	17.16	17.24				
20	16QAM	50	0	17.19	17.23	17.31	18	0		
20	16QAM	50	24	17.15	17.08	17.19				
20	16QAM	50	50	17.31	17.26	17.36	18	0		
20	16QAM	100	0	17.05	17.05	17.20				
20	16QAM	1	0	17.26	17.20	17.35	18	0		
20	16QAM	1	49	17.16	17.16	17.26				
20	16QAM	1	99	17.25	17.23	17.32	18	0		
20	16QAM	50	0	17.19	17.19	17.29				
20	16QAM	50	24	17.16	17.16	17.23	18	0		
20	16QAM	50	50	17.20	17.24	17.26				
20	16QAM	100	0	16.97	17.08	17.12				
Channel				39725	40173	40608	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593.8				
15	QPSK	1	0	17.09	17.01	17.34	18	0		
15	QPSK	1	37	17.05	17.11	17.23				
15	QPSK	1	74	16.97	17.03	17.03	18	0		
15	QPSK	36	0	17.09	16.94	17.08				
15	QPSK	36	20	17.01	16.82	17.07	18	0		
15	QPSK	36	39	17.02	16.90	17.07				
15	QPSK	75	0	16.86	16.90	17.04	18	0		
15	16QAM	1	0	16.93	16.90	16.90				
15	16QAM	1	37	16.91	16.94	17.06	18	0		
15	16QAM	1	74	17.07	17.11	17.16				
15	16QAM	36	0	17.05	17.08	17.27	18	0		
15	16QAM	36	20	17.11	16.95	17.04				
15	16QAM	36	39	17.21	17.20	17.26	18	0		
15	16QAM	75	0	16.85	16.91	17.16				
15	16QAM	1	0	17.15	17.11	17.29	18	0		
15	16QAM	1	37	17.03	17.02	17.14				
15	16QAM	1	74	17.11	17.19	17.26	18	0		
15	16QAM	36	0	17.06	17.07	17.22				
15	16QAM	36	20	17.06	17.13	17.07	18	0		
15	16QAM	36	39	17.09	17.09	17.30				
15	16QAM	75	0	16.89	17.01	17.04				
Channel				39700	40160	40600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	25					



Reduced Power Mode for Sensor on

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)	24.16	24.23	24.13	25.00	15.16	15.23	15.13	16.00
GSM 1 Tx slot	24.06	24.21	24.10	25.00	15.06	15.21	15.10	16.00
GPRS 1 Tx slots	22.95	23.16	23.10	24.00	16.95	17.16	17.10	18.00
GPRS 2 Tx slots	20.90	21.07	21.02	22.00	16.64	16.81	16.76	17.74
GPRS 3 Tx slots	19.81	20.01	19.96	21.00	16.81	17.01	16.96	18.00
GPRS 4 Tx slots	18.15	18.32	18.17	19.00	9.15	9.32	9.17	10.00
EDGE 1 Tx slot	17.03	17.20	17.17	18.00	11.03	11.20	11.17	12.00
EDGE 2 Tx slots	14.74	14.94	14.81	15.50	10.48	10.68	10.55	11.24
EDGE 3 Tx slots	13.21	13.42	13.36	14.00	10.21	10.42	10.36	11.00
EDGE 4 Tx slots								

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	1652.2	1663.8	1675.4		1652.2	1663.8	1675.4	
Frequency (MHz)	20.67	20.74	20.49	21.50	11.67	11.74	11.49	12.50
GSM 1 Tx slot	20.61	20.69	20.46	21.50	11.61	11.69	11.46	12.50
GPRS 1 Tx slots	19.85	19.71	19.44	20.50	13.85	13.71	13.44	14.50
GPRS 2 Tx slots	17.84	17.80	17.62	18.50	13.38	13.54	13.38	14.24
GPRS 3 Tx slots	16.73	16.81	16.60	17.50	13.73	13.81	13.60	14.50
GPRS 4 Tx slots	15.84	16.10	15.86	16.50	6.84	7.10	6.86	7.50
EDGE 1 Tx slot	14.96	15.03	14.84	15.50	8.96	9.03	8.84	9.50
EDGE 2 Tx slots	12.97	13.01	12.82	13.50	8.71	8.75	8.56	9.24
EDGE 3 Tx slots	11.70	11.79	11.53	12.50	8.70	8.79	8.53	9.50
EDGE 4 Tx slots								

Band	Tx Channel	WCDMA 1			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		9600	9600	9538		4132	4182	4233	
	Rx Channel	9662	9660	9638		4367	4407	4458	
	Frequency (MHz)	1632.2	1630	1597.6		320.4	323.4	348.6	
3GPP Rel 99	AMR 12.2Kbps	13.87	13.97	13.82	15.00	15.86	16.02	15.97	17.00
3GPP Rel 99	RMTC 12.2Kbps	13.94	14.03	13.98	15.00	15.95	16.10	16.04	17.00
3GPP Rel 6	HSDPA Subtest-1	13.02	13.16	12.88	14.00	15.13	15.25	14.91	16.00
3GPP Rel 6	HSDPA Subtest-2	13.03	12.97	13.04	14.00	15.10	15.00	15.00	16.00
3GPP Rel 6	HSDPA Subtest-3	12.50	12.34	12.46	13.50	14.54	14.34	14.52	15.50
3GPP Rel 6	HSDPA Subtest-4	12.60	12.45	12.48	13.50	14.66	14.40	14.54	15.50
3GPP Rel 6	DCHSDPA Subtest-1	12.74	12.88	12.76	14.00	14.84	14.91	14.79	16.00
3GPP Rel 6	DCHSDPA Subtest-2	12.93	13.07	12.81	14.00	14.96	15.16	14.82	16.00
3GPP Rel 6	DCHSDPA Subtest-3	12.61	12.37	12.37	13.50	14.61	14.62	14.60	15.50
3GPP Rel 6	DCHSDPA Subtest-4	12.20	12.43	12.23	13.50	14.39	14.35	14.21	15.50
3GPP Rel 6	HSUPA Subtest-1	12.86	12.97	12.95	14.00	14.91	15.08	14.90	16.00
3GPP Rel 6	HSUPA Subtest-2	10.91	10.82	11.00	12.00	13.05	12.87	12.92	14.00
3GPP Rel 6	HSUPA Subtest-3	12.05	11.85	11.83	13.00	14.03	13.97	13.81	15.00
3GPP Rel 6	HSUPA Subtest-4	10.85	11.09	10.84	12.00	12.83	13.13	12.83	14.00
3GPP Rel 6	HSUPA Subtest-5	12.99	13.03	13.07	14.00	14.98	15.14	15.01	16.00
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	9.98	9.93	10.08	11.50	12.01	12.14	12.15	13.00



Band 2										
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	14.09	14.27	14.14	15.5	0		
20	QPSK	1	49	14.01	14.14	14.06				
20	QPSK	1	99	14.07	14.14	14.02				
20	QPSK	50	0	14.19	14.25	14.21	15.5	0		
20	QPSK	50	24	14.11	14.13	14.07				
20	QPSK	50	50	14.01	14.12	14.03				
20	QPSK	100	0	14.09	14.16	14.11	15.5	0		
20	16QAM	1	0	13.96	14.06	14.01				
20	16QAM	1	49	14.01	14.11	14.03				
20	16QAM	1	99	14.15	14.19	14.11	15.5	0		
20	16QAM	50	0	14.11	14.23	14.13				
20	16QAM	50	24	14.01	14.12	13.98				
20	16QAM	50	50	13.97	14.06	13.95	15.5	0		
20	16QAM	100	0	14.05	14.15	14.04				
20	64QAM	1	0	13.84	13.96	13.91				
20	64QAM	1	49	14.02	14.06	14.01	15.5	0		
20	64QAM	1	99	13.79	13.88	13.79				
20	64QAM	50	0	13.98	14.02	13.98				
20	64QAM	50	24	14.03	14.16	14.07	15.5	0		
20	64QAM	50	50	14.04	14.13	13.98				
20	64QAM	100	0	14.12	14.22	14.08				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.04	14.23	14.04	15.5	0		
15	QPSK	1	37	13.91	14.06	14.00				
15	QPSK	1	74	13.97	13.98	13.97				
15	QPSK	36	0	14.18	14.23	14.20	15.5	0		
15	QPSK	36	20	14.05	14.11	14.06				
15	QPSK	36	39	13.98	14.10	14.01				
15	QPSK	75	0	13.99	14.07	14.02	15.5	0		
15	16QAM	1	0	13.85	13.94	13.89				
15	16QAM	1	37	13.88	14.09	13.96				
15	16QAM	1	74	14.12	14.05	14.00	15.5	0		
15	16QAM	36	0	14.00	14.15	14.01				
15	16QAM	36	20	13.88	14.09	13.84				
15	16QAM	36	39	13.96	14.04	13.81	15.5	0		
15	16QAM	75	0	13.99	14.02	13.99				
15	64QAM	1	0	13.75	13.90	13.77				
15	64QAM	1	37	13.93	14.01	13.96	15.5	0		
15	64QAM	1	74	13.88	13.81	13.96				
15	64QAM	36	0	13.87	13.90	13.82				
15	64QAM	36	20	13.89	14.04	14.02	15.5	0		
15	64QAM	36	39	13.98	13.99	13.95				
15	64QAM	75	0	14.01	14.16	14.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.04	14.14	14.02	15.5	0		
10	QPSK	1	25	13.92	14.00	13.98				
10	QPSK	1	49	13.96	14.09	13.90				
10	QPSK	25	0	14.11	14.23	14.15	15.5	0		
10	QPSK	25	12	14.07	13.99	14.00				
10	QPSK	25	25	13.98	14.10	13.90				
10	QPSK	50	0	14.02	14.07	14.09	15.5	0		
10	16QAM	1	0	13.92	14.03	13.92				
10	16QAM	1	25	13.93	14.11	13.99				
10	16QAM	1	49	14.10	14.11	14.06	15.5	0		
10	16QAM	25	0	14.02	14.02	14.09				
10	16QAM	25	12	14.01	14.01	13.90				
10	16QAM	25	25	13.90	13.98	13.81	15.5	0		
10	16QAM	50	0	13.96	14.13	13.95				
10	64QAM	1	0	13.74	13.91	13.89				
10	64QAM	1	25	13.93	13.94	13.87	15.5	0		
10	64QAM	1	49	13.85	13.88	13.87				
10	64QAM	25	0	13.75	13.97	13.78				
10	64QAM	25	12	13.98	14.14	14.07	15.5	0		
10	64QAM	25	25	14.03	14.04	13.86				
10	64QAM	50	0	14.03	14.15	13.99				
Channel										
Frequency (MHz)										
5	QPSK	1	0	13.99	14.15	14.08	15.5	0		
5	QPSK	1	12	13.92	14.01	14.01				
5	QPSK	1	24	13.95	14.08	14.01				
5	QPSK	12	0	14.05	14.12	14.07	15.5	0		
5	QPSK	12	7	14.08	14.02	13.95				
5	QPSK	12	13	13.87	14.07	13.93				
5	QPSK	25	0	13.97	14.17	14.00	15.5	0		
5	16QAM	1	0	13.93	14.01	13.94				
5	16QAM	1	12	13.91	14.05	13.94				
5	16QAM	1	24	14.05	14.06	14.10	15.5	0		
5	16QAM	12	0	14.07	14.14	14.01				
5	16QAM	12	7	13.92	14.05	13.85				
5	16QAM	12	13	13.84	13.91	13.82	15.5	0		
5	16QAM	25	0	13.95	14.11	13.89				
5	64QAM	1	0	13.69	13.84	13.90				
5	64QAM	1	12	13.93	13.95	13.98	15.5	0		
5	64QAM	1	24	13.65	13.87	13.73				
5	64QAM	12	0	13.73	14.00	13.77				
5	64QAM	12	7	14.03	14.17	13.95	15.5	0		
5	64QAM	12	13	13.90	14.07	13.90				
5	64QAM	25	0	14.02	14.11	14.05				
Channel										
Frequency (MHz)										
3	QPSK	1	0	14.06	14.10	14.08	15.5	0		
3	QPSK	1	8	14.01	14.08	14.00				
3	QPSK	1	14	13.98	14.01	13.90				
3	QPSK	8	0	14.18	14.22	14.13	15.5	0		
3	QPSK	8	4	13.97	14.05	13.93				
3	QPSK	8	7	13.89	13.98	13.99				
3	QPSK	15	0	14.00	14.18	14.06	15.5	0		
3	16QAM	1	0	13.91	13.92	13.92				
3	16QAM	1	8	13.96	14.08	14.01				
3	16QAM	1	14	14.03	14.11	14.06	15.5	0		
3	16QAM	8	0	14.02	14.09	14.05				
3	16QAM	8	4	13.93	13.97	13.91				
3	16QAM	8	7	13.88	14.05	13.89	15.5	0		
3	16QAM	15	0	14.05	14.02	14.03				
3	64QAM	1	0	13.79	13.82	13.77				
3	64QAM	1	8	13.89	13.98	13.98	15.5	0		
3	64QAM	1	14	13.89	13.96	13.85				
3	64QAM	8	0	13.87	13.96	13.87				
3	64QAM	8	4	13.99	14.07	14.00	15.5	0		
3	64QAM	8	7	13.98	14.00	13.85				
3	64QAM	15	0	14.00	14.11	13.95				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.04	14.15	14.06	15.5	0		
1.4	QPSK	1	0	13.94	14.00	14.04				
1.4	QPSK	1	5	13.99	14.01	13.98				
1.4	QPSK	3	0	14.18	14.19	14.11	15.5	0		
1.4	QPSK	3	1	13.99	14.05	13.98				
1.4	QPSK	3	3	13.89	13.99	13.99				
1.4	QPSK	6	0	14.06	14.11	14.10	15.5	0		
1.4	16QAM	1	0	13.94	14.01	13.98				
1.4	16QAM	1	3	13.98	14.03	13.97				
1.4	16QAM	1	5	14.02	14.11	13.99	15.5	0		
1.4	16QAM	3	0	14.09	14.15	14.02				
1.4	16QAM	3	1	13.93	13.97	13.95				
1.4	16QAM	3	3	13.96	13.96	13.94	15.5	0		
1.4	16QAM	6	0	14.03	14.14	14.03				
1.4	64QAM	1	0	13.72	13.83	13.79				
1.4	64QAM	1	3	13.92	13.97	13.99	15.5	0		
1.4	64QAM	1	5	13.76	13.82	13.75				
1.4	64QAM	3	0	13.81	13.98	13.75				
1.4	64QAM	3	1	13.99	14.11	13.96	15.5	0		
1.4	64QAM	3	3	13.90	14.03	13.92				
1.4	64QAM	6	0	14.04	14.13	13.94				

Band 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)										
20	QPSK	1	0	15.11	15.15	14.93	16	0		
20	QPSK	1	49	14.93	15.04	15.01				
20	QPSK	1	99	14.95	14.98	14.88				
20	QPSK	50	0	15.09	15.11	15.06	16	0		
20	QPSK	50	24	14.94	15.07	14.91				
20	QPSK	50	50	15.08	15.02	15.04				
20	QPSK	100	0	14.92	15.06	15.01	16	0		
20	16QAM	1								



Band 7								
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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	9.28	9.34	9.22		
20	QPSK	1	49	9.15	9.18	9.12	10	0
20	QPSK	1	99	9.11	9.12	9.08		
20	QPSK	50	0	9.30	9.32	9.24		
20	QPSK	50	24	9.17	9.24	9.11	10	0
20	QPSK	50	50	9.10	9.12	9.07		
20	QPSK	100	0	9.15	9.23	9.18		
20	16QAM	1	0	9.01	9.14	9.11		
20	16QAM	1	49	9.08	9.23	9.16	10	0
20	16QAM	1	99	8.98	9.11	9.05		
20	16QAM	50	0	9.17	9.32	9.19		
20	16QAM	50	24	9.05	9.17	9.13	10	0
20	16QAM	50	50	9.17	9.25	9.16		
20	16QAM	100	0	9.15	9.20	9.06		
20	64QAM	1	0	9.05	9.17	9.13		
20	64QAM	1	49	9.25	9.29	9.15	10	0
20	64QAM	99	9.14	9.21	9.16			
20	64QAM	50	0	9.22	9.31	9.20		
20	64QAM	50	24	9.18	9.27	9.23	10	0
20	64QAM	50	50	9.11	9.23	9.16		
20	64QAM	100	0	9.07	9.19	9.11		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	9.22	9.27	9.07	10	0
15	QPSK	1	37	9.00	9.04	9.03		
15	QPSK	1	74	8.99	9.05	8.97		
15	QPSK	36	0	9.20	9.19	9.14		
15	QPSK	36	20	9.14	9.14	8.98	10	0
15	QPSK	36	39	8.97	9.07	8.98		
15	QPSK	75	0	9.06	9.11	9.04		
15	16QAM	1	0	8.91	9.00	9.04		
15	16QAM	1	37	8.95	9.15	9.08	10	0
15	16QAM	1	74	8.90	8.98	8.95		
15	16QAM	36	0	9.03	9.26	9.05		
15	16QAM	36	20	8.96	9.04	9.00	10	0
15	16QAM	36	39	9.09	9.17	9.11		
15	16QAM	75	0	9.08	9.17	8.95		
15	64QAM	1	0	8.98	9.08	9.07		
15	64QAM	1	37	9.12	9.21	9.05	10	0
15	64QAM	1	74	9.08	9.18	9.04		
15	64QAM	36	0	9.10	9.17	9.08		
15	64QAM	36	20	9.05	9.20	9.15	10	0
15	64QAM	36	39	9.08	9.14	9.02		
15	64QAM	75	0	8.99	9.04	9.00		
Channel				20820	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	9.21	9.26	9.17		
10	QPSK	1	25	9.04	9.03	9.06	10	0
10	QPSK	1	49	8.98	9.04	8.94		
10	QPSK	25	0	9.24	9.22	9.16		
10	QPSK	25	12	9.05	9.09	9.02	10	0
10	QPSK	25	25	9.01	8.97	9.04		
10	QPSK	50	0	9.07	9.10	9.14		
10	16QAM	1	0	8.95	9.04	9.05		
10	16QAM	1	25	9.02	9.10	9.04	10	0
10	16QAM	1	49	8.93	8.97	8.94		
10	16QAM	25	0	9.11	9.19	9.10		
10	16QAM	25	12	8.98	9.03	8.99	10	0
10	16QAM	25	25	9.08	9.10	9.13		
10	16QAM	50	0	9.02	9.15	8.97		
10	64QAM	1	0	8.91	9.12	9.09		
10	64QAM	1	25	9.22	9.25	9.09	10	0
10	64QAM	1	49	9.08	9.16	9.03		
10	64QAM	25	0	9.12	9.24	9.08		
10	64QAM	25	12	9.13	9.22	9.16	10	0
10	64QAM	25	25	9.02	9.12	9.09		
10	64QAM	50	0	8.93	9.10	8.99		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	9.23	9.28	9.08		
5	QPSK	1	12	9.11	9.05	9.02	10	0
5	QPSK	1	24	8.90	8.90	8.96		
5	QPSK	12	0	9.24	9.28	9.18		
5	QPSK	12	7	9.10	9.12	8.96	10	0
5	QPSK	12	13	8.99	9.09	8.97		
5	QPSK	25	0	9.12	9.11	9.09		
5	16QAM	1	0	8.94	9.00	8.97		
5	16QAM	1	12	8.98	9.12	9.07	10	0
5	16QAM	1	24	8.92	9.07	8.94		
5	16QAM	12	0	9.10	9.29	9.10		
5	16QAM	12	7	8.96	9.13	9.10	10	0
5	16QAM	12	13	9.06	9.14	9.08		
5	16QAM	25	0	9.07	9.15	9.01		
5	64QAM	1	0	9.00	9.03	9.04		
5	64QAM	1	12	9.12	9.22	9.05	10	0
5	64QAM	1	24	9.08	9.09	9.03		
5	64QAM	12	0	9.10	9.28	9.07		
5	64QAM	12	7	9.05	9.12	9.17	10	0
5	64QAM	12	13	9.00	9.19	9.11		
5	64QAM	25	0	9.02	9.09	9.04		

Band 26								
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				26760	26860	26960		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	16.55	16.69	16.62		
15	QPSK	1	37	16.54	16.61	16.58	17.5	0
15	QPSK	1	74	16.38	16.48	16.42		
15	QPSK	36	0	16.46	16.59	16.46		
15	QPSK	36	20	16.42	16.46	16.35	17.5	0
15	QPSK	36	39	16.34	16.46	16.40		
15	QPSK	75	0	16.38	16.49	16.34		
15	16QAM	1	0	16.53	16.67	16.55		
15	16QAM	1	37	16.51	16.62	16.56	17.5	0
15	16QAM	1	74	16.46	16.59	16.48		
15	16QAM	36	0	16.37	16.47	16.37		
15	16QAM	36	20	16.47	16.53	16.43	17.5	0
15	16QAM	36	39	16.53	16.60	16.50		
15	16QAM	75	0	16.41	16.51	16.39		
15	64QAM	1	0	16.40	16.54	16.40		
15	64QAM	1	37	16.43	16.51	16.40	17.5	0
15	64QAM	1	74	16.34	16.44	16.36		
15	64QAM	36	0	16.39	16.50	16.35		
15	64QAM	36	20	16.52	16.57	16.45	17.5	0
15	64QAM	36	39	16.53	16.60	16.47		
15	64QAM	75	0	16.47	16.51	16.46		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	16.50	16.56	16.52		
10	QPSK	1	25	16.40	16.55	16.44	17.5	0
10	QPSK	1	49	16.29	16.37	16.35		
10	QPSK	25	0	16.35	16.48	16.36		
10	QPSK	25	12	16.33	16.44	16.21	17.5	0
10	QPSK	25	25	16.28	16.40	16.32		
10	QPSK	50	0	16.28	16.40	16.20		
10	16QAM	1	0	16.48	16.59	16.46		
10	16QAM	1	25	16.39	16.54	16.45	17.5	0
10	16QAM	1	49	16.34	16.47	16.45		
10	16QAM	25	0	16.27	16.40	16.26		
10	16QAM	25	12	16.33	16.39	16.37	17.5	0
10	16QAM	25	25	16.46	16.54	16.45		
10	16QAM	50	0	16.36	16.39	16.31		
10	64QAM	1	0	16.26	16.45	16.32		
10	64QAM	1	25	16.29	16.41	16.33	17.5	0
10	64QAM	1	49	16.28	16.37	16.27		
10	64QAM	25	0	16.28	16.41	16.21		
10	64QAM	25	12	16.40	16.46	16.39	17.5	0
10	64QAM	25	25	16.43	16.48	16.40		
10	64QAM	50	0	16.39	16.39	16.42		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	16.52	16.56	16.48		
5	QPSK	1	12	16.46	16.55	16.45	17.5	0
5	QPSK	1	24	16.30	16.45	16.30		
5	QPSK	12	0	16.41	16.51	16.36		
5	QPSK	12	7	16.30	16.43	16.20	17.5	0
5	QPSK	12	13	16.20	16.37	16.33		
5	QPSK	25	0	16.34	16.36	16.29		
5	16QAM	1	0	16.46	16.53	16.49		
5	16QAM	1	12	16.37	16.56	16.46	17.5</	



Band 38												
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)				2580	2595	2610						
20	QPSK	1	0	11.20	11.27	11.11	12	0				
20	QPSK	1	49	11.14	11.18	11.06						
20	QPSK	1	99	11.02	11.11	11.05						
20	QPSK	50	0	11.13	11.23	11.17						
20	QPSK	50	24	11.02	11.15	11.09						
20	QPSK	50	50	10.93	11.07	11.00						
20	QPSK	100	0	11.13	11.17	11.03						
20	16QAM	1	0	10.99	11.06	10.95			12	0		
20	16QAM	1	49	11.01	11.13	11.01						
20	16QAM	1	99	10.89	10.98	10.92						
20	16QAM	50	0	11.24	11.30	11.25						
20	16QAM	50	24	11.06	11.14	11.03						
20	16QAM	50	50	11.13	11.21	11.07						
20	16QAM	100	0	11.10	11.23	11.19						
20	64QAM	1	0	10.99	11.03	10.97	12	0				
20	64QAM	1	49	11.10	11.22	11.10						
20	64QAM	1	99	11.08	11.14	11.04						
20	64QAM	50	0	11.17	11.29	11.22						
20	64QAM	50	24	11.15	11.20	11.06						
20	64QAM	50	50	11.02	11.16	11.05						
20	64QAM	100	0	11.14	11.22	11.15						
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	11.06	11.20	11.05			12	0		
15	QPSK	1	37	11.09	11.03	10.99						
15	QPSK	1	74	10.91	11.06	10.94						
15	QPSK	36	0	11.00	11.14	11.03						
15	QPSK	36	20	10.88	11.03	11.04						
15	QPSK	36	39	10.79	11.02	10.96						
15	QPSK	75	0	11.06	11.10	10.96	12	0				
15	16QAM	1	0	10.85	11.02	10.87						
15	16QAM	1	37	10.87	11.04	10.88						
15	16QAM	1	74	10.81	10.91	10.79						
15	16QAM	36	0	11.10	11.19	11.17						
15	16QAM	36	20	10.96	11.05	10.96						
15	16QAM	36	39	10.96	11.06	10.96						
15	16QAM	75	0	11.03	11.19	11.11						
15	64QAM	1	0	10.88	10.91	10.87			12	0		
15	64QAM	1	37	10.98	11.10	10.96						
15	64QAM	1	74	11.00	11.03	10.95						
15	64QAM	36	0	11.10	11.15	11.13						
15	64QAM	36	20	11.06	11.09	11.02						
15	64QAM	36	39	10.91	11.13	10.95						
15	64QAM	75	0	11.02	11.15	11.03						
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	11.16	11.27	11.17	12	0				
10	QPSK	1	25	11.07	11.14	10.98						
10	QPSK	1	49	10.96	10.98	10.98						
10	QPSK	25	0	11.08	11.11	11.08						
10	QPSK	25	12	10.94	11.01	10.99						
10	QPSK	25	25	10.85	11.02	10.87						
10	QPSK	50	0	11.09	11.11	10.92			12	0		
10	16QAM	1	0	10.89	10.94	10.88						
10	16QAM	1	25	10.89	11.03	10.92						
10	16QAM	1	49	10.86	10.90	10.83						
10	16QAM	25	0	11.18	11.18	11.20						
10	16QAM	25	12	10.95	11.04	10.91						
10	16QAM	25	25	11.08	11.11	10.93						
10	16QAM	50	0	11.02	11.20	11.11						
10	64QAM	1	0	10.89	10.97	10.85	12	0				
10	64QAM	1	25	10.97	11.14	11.07						
10	64QAM	1	49	10.99	11.09	10.98						
10	64QAM	25	0	11.08	11.24	11.09						
10	64QAM	25	12	11.01	11.16	10.95						
10	64QAM	25	25	10.95	11.04	11.00						
10	64QAM	50	0	11.08	11.19	11.08						
Channel				37775	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	11.09	11.16	10.96			12	0		
5	QPSK	1	12	11.01	11.05	10.97						
5	QPSK	1	24	10.95	10.98	10.94						
5	QPSK	12	0	11.04	11.11	11.11						
5	QPSK	12	7	10.87	11.09	11.03						
5	QPSK	12	13	10.80	11.02	10.86	12	0				
5	QPSK	25	0	11.00	11.07	10.90						
5	16QAM	1	0	10.94	10.92	10.87						
5	16QAM	1	12	10.91	11.08	10.89						
5	16QAM	1	24	10.80	10.94	10.85						
5	16QAM	12	0	11.14	11.25	11.21						
5	16QAM	12	7	10.97	11.02	10.82						
5	16QAM	12	13	11.05	11.15	11.00						
5	16QAM	25	0	11.02	11.08	11.11						
5	64QAM	1	0	10.84	10.90	10.90			12	0		
5	64QAM	1	12	10.99	11.08	11.07						
5	64QAM	1	24	10.98	11.08	10.94						
5	64QAM	12	0	11.11	11.16	11.09						
5	64QAM	12	7	11.01	11.10	10.97						
5	64QAM	12	13	10.91	11.11	10.99						
5	64QAM	25	0	11.07	11.18	11.02						

Band 41														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490						
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	11.19	11.07	11.30	11.05	11.16	12	0				
20	QPSK	1	49	11.08	11.06	11.21	11.12	11.17						
20	QPSK	1	99	11.10	10.99	11.13	11.03	11.03						
20	QPSK	50	0	11.15	11.21	11.25	11.17	11.21						
20	QPSK	50	24	10.99	11.04	11.13	11.03	11.01						
20	QPSK	50	50	11.06	11.01	11.10	11.07	10.98						
20	QPSK	100	0	11.08	11.09	11.16	11.08	11.11						
20	16QAM	1	0	10.93	10.87	11.02	10.96	10.92			12	0		
20	16QAM	1	49	11.07	11.14	11.20	11.15	11.06						
20	16QAM	1	99	11.09	11.10	11.13	11.03	11.02						
20	16QAM	50	0	11.19	11.17	11.27	11.19	11.16						
20	16QAM	50	24	11.02	11.08	11.14	11.10	11.08						
20	16QAM	50	50	11.20	11.11	11.23	11.19	11.12						
20	16QAM	100	0	11.14	11.09	11.20	11.17	11.05						
20	64QAM	1	0	11.00	10.93	11.06	10.96	10.92	12	0				
20	64QAM	1	49	11.04	11.01	11.15	11.09	11.08						
20	64QAM	1	99	11.08	11.11	11.22	11.08	11.17						
20	64QAM	50	0	11.15	11.24	11.28	11.25	11.23						
20	64QAM	50	24	11.09	11.07	11.13	11.09	11.03						
20	64QAM	50	50	10.94	10.97	11.07	11.04	11.00						
20	64QAM	100	0	11.06	11.10	11.19	11.15	11.04						
Channel				39725	40173	40620	41068	41515						
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	11.09	10.93	11.17	10.92	11.05			12	0		
15	QPSK	1	37	10.93	11.02	11.10	10.99	11.08						
15	QPSK	1	74	10.98	10.85	10.99	10.92	10.90						
15	QPSK	36	0	11.07	11.13	11.12	11.04	11.17						
15	QPSK	36	20	10.87	10.96	10.98	10.89	10.94						
15	QPSK	36	39	10.92	10.97	11.07	10.95	10.92						
15	QPSK	75	0	11.03	11.03	11.03	10.94	10.99	12	0				
15	16QAM	1	0	10.84	10.82	10.99	10.90	10.82						
15	16QAM	1	37	11.03	11.07	11.13	11.02	10.98						
15	16QAM	1	74	10.96	11.07	11.07	10.97	10.96						
15	16QAM	36	0	11.04	11.08	11.20	11.08	11.09						
15	16QAM	36	20	10.92	10.94	11.08	11.00	11.04						
15	16QAM	36	39	11.09	11.09	11.16	11.09	10.98						
15	16QAM	75	0	11.03	10.96	11.11	11.11	10.99						
15	64QAM	1	0	10.90	10.82	10.91	10.86	10.86			12	0		
15	64QAM	1	37	10.98	10.90	11.11	10.99	11.01						
15	64QAM	1	74	11.04	10.97	11.16	10.95	11.03						
15	64QAM	36	0	11.11										



2.4GHz WLAN				WIFI Ant For Full Power For Head SAR		WIFI Ant For Body SAR		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.27	19.00	16.05	18.00	99.31
		6	2437	17.33	19.00	16.19	18.00	
		11	2462	17.31	19.00	16.14	18.00	
	802.11g 6Mbps	1	2412	16.12	17.50	Not Required	17.50	96.97
		6	2437	16.19	17.50		17.50	
		11	2462	16.05	17.50		17.50	
	802.11n-HT20 MCS0	1	2412	15.49	17.00		17.00	96.24
		6	2437	15.58	17.00		17.00	
		11	2462	15.62	17.00		17.00	
802.11n-HT40 MCS0	3	2422	15.50	17.00	Not Required		17.00	93.71
	6	2437	15.42	17.00			17.00	
	9	2452	14.40	16.00			16.00	

5.2GHz WLAN				WIFI Ant For Full Power For Head SAR		WIFI Ant For Body SAR		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	15.93	17.50	Not Required	14.50	96.97
		40	5200	16.15	17.50		14.50	
		44	5220	16.09	17.50		14.50	
		48	5240	16.02	17.50		14.50	
		52	5260	14.97	16.50		14.50	
		56	5280	15.05	16.50		14.50	
	802.11n-HT20 MCS0	44	5220	14.99	16.50		14.50	96.76
		48	5240	14.90	16.50		14.50	
		52	5260	15.07	16.50		14.50	
		56	5280	14.96	16.50		14.50	
		60	5300	14.96	16.50		14.50	
		64	5320	15.04	16.50		14.50	
	802.11n-HT40 MCS0	38	5190	15.07	16.50		14.50	93.71
		42	5210	14.96	16.50		14.50	
		46	5230	14.96	16.50		14.50	
		50	5250	15.04	16.50		14.50	
		54	5270	15.08	16.50		14.50	
		58	5290	15.02	16.50		14.50	
802.11ac-VHT20 MCS0	44	5220	15.06	16.50	14.50	96.79		
	48	5240	15.06	16.50	14.50			
	52	5260	14.81	16.50	14.50			
	56	5280	14.81	16.50	14.50			
	60	5300	14.96	16.50	14.50			
	64	5320	13.04	14.50	13.04		14.50	
802.11ac-VHT40 MCS0	38	5190	14.81	16.50	14.50	93.76		
	42	5210	14.96	16.50	14.50			
802.11ac-VHT80 MCS0	42	5210	13.04	14.50	13.04	14.50	87.50	

5.3GHz WLAN				WIFI Ant For Full Power For Head SAR		WIFI Ant For Body SAR		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	5300	16.04	17.50	Not Required	14.50	96.97
		56	5320	16.27	17.50		14.50	
		60	5340	16.10	17.50		14.50	
		64	5360	16.07	17.50		14.50	
		68	5380	14.96	16.50		14.50	
		72	5400	15.05	16.50		14.50	
	802.11n-HT20 MCS0	56	5380	15.05	16.50		14.50	96.76
		60	5400	15.09	16.50		14.50	
		64	5420	15.03	16.50		14.50	
		68	5440	15.03	16.50		14.50	
		72	5460	15.08	16.50		14.50	
		76	5480	15.06	16.50		14.50	
	802.11n-HT40 MCS0	52	5300	15.08	16.50		14.50	93.71
		56	5320	15.08	16.50		14.50	
		60	5340	15.03	16.50		14.50	
		64	5360	15.08	16.50		14.50	
		68	5380	15.08	16.50		14.50	
		72	5400	15.10	16.50		14.50	
802.11ac-VHT20 MCS0	52	5300	15.06	16.50	14.50	96.79		
	56	5320	15.08	16.50	14.50			
	60	5340	15.10	16.50	14.50			
	64	5360	15.06	16.50	14.50			
	68	5380	14.89	16.50	14.50			
	72	5400	15.02	16.50	14.50			
802.11ac-VHT40 MCS0	52	5300	15.02	16.50	14.50	93.76		
	56	5320	13.02	14.50	13.02		14.50	
802.11ac-VHT80 MCS0	58	5290	13.02	14.50	13.02	14.50	87.50	

5.5GHz WLAN				WIFI Ant For Full Power For Head SAR		WIFI Ant For Body SAR		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	16.34	17.50	Not Required	14.00	96.97	
		116	5580	16.30	17.50		14.00		
		124	5620	16.18	17.50		14.00		
		132	5660	16.23	17.50		14.00		
		140	5700	16.09	17.50		14.00		
		144	5720	16.18	17.50		14.00		
	802.11n-HT20 MCS0	100	5500	15.21	16.50		14.00	96.76	
		116	5580	15.25	16.50		14.00		
		124	5620	15.02	16.50		14.00		
		132	5660	15.03	16.50		14.00		
		140	5700	14.99	16.50		14.00		
		144	5720	15.01	16.50		14.00		
	802.11n-HT40 MCS0	102	5510	15.14	16.50		14.00	93.71	
		110	5550	15.09	16.50		14.00		
		126	5630	15.01	16.50		14.00		
		134	5670	15.08	16.50		14.00		
		142	5710	15.05	16.50		14.00		
		150	5800	15.25	16.50		14.00		
	802.11ac-VHT20 MCS0	116	5580	15.25	16.50		14.00	96.79	
		124	5620	15.06	16.50		14.00		
		132	5660	15.24	16.50		14.00		
		140	5700	15.01	16.50		14.00		
		144	5720	15.09	16.50		14.00		
		150	5810	15.01	16.50		14.00		
	802.11ac-VHT40 MCS0	110	5550	15.03	16.50		14.00	93.76	
		126	5630	14.86	16.50		14.00		
		134	5670	14.82	16.50		14.00		
		142	5710	14.86	16.50		14.00		
		150	5830	13.13	14.50		12.77		14.00
		158	5910	13.04	14.50		12.55		14.00
802.11ac-VHT80 MCS0	138	5690	13.02	14.50	12.54	14.00	87.50		

5.8GHz WLAN				WIFI Ant For Full Power For Head SAR		WIFI Ant For Body SAR		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.33	17.50	Not Required	14.00	96.97
		157	5785	16.29	17.50		14.00	
		165	5825	16.37	17.50		14.00	
		173	5865	15.11	16.50		14.00	
		181	5905	15.05	16.50		14.00	
		189	5945	15.09	16.50		14.00	
	802.11n-HT20 MCS0	149	5745	15.06	16.50		14.00	96.76
		157	5785	15.05	16.50		14.00	
		165	5825	15.09	16.50		14.00	
		173	5865	15.15	16.50		14.00	
		181	5905	15.03	16.50		14.00	
		189	5945	15.20	16.50		14.00	
	802.11n-HT40 MCS0	149	5745	15.16	16.50		14.00	93.71
		157	5785	15.25	16.50		14.00	
		165	5825	15.25	16.50		14.00	
		173	5865	14.94	16.50		14.00	
		181	5905	15.07	16.50		14.00	
		189	5945	15.07	16.50		14.00	
802.11ac-VHT20 MCS0	149	5745	15.16	16.50	14.00	96.79		
	157	5785	15.25	16.50	14.00			
	165	5825	15.25	16.50	14.00			
	173	5865	14.94	16.50	14.00			
	181	5905	15.07	16.50	14.00			
	189	5945	15.07	16.50	14.00			
802.11ac-VHT40 MCS0	149	5745	15.07	16.50	14.00	93.76		
	157	5785	15.07	16.50	14.00			
802.11ac-VHT80 MCS0	155	5775	13.06	14.50	12.63	14.00	87.50	

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.55	8.25	8.53
	CH 39	2441	10.25	8.20	8.22
	CH 38	2480	10.25	8.48	8.42
	Tune-up Limit		12.00	10.00	10.00

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	2.08
	CH 19	2440	2.89
	CH 39	2480	2.36
	Tune-up Limit		3.50

BLE 2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	1.97
	CH 19	2440	2.80
	CH 39	2480	2.33
	Tune-up Limit		3.50