Full Power Mode

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.05	32.11	32.01	33.00	23.05	23.11	23.01	24.00
GPRS 1 Tx slot	32.00	32.09	31.95	33.00	23.00	23.09	22.95	24.00
GPRS 2 Tx slots	29.92	30.05	29.93	31.00	23.92	24.05	23.93	25.00
GPRS 3 Tx slots	28.11	28.13	28.00	29.50	23.85	23.87	23.74	25.24
GPRS 4 Tx slots	26.03	26.07	25.96	27.00	23.03	23.07	22.96	24.00
EDGE 1 Tx slot	25.41	25.55	25.50	27.00	16.41	16.55	16.50	18.00
EDGE 2 Tx slots	24.09	24.22	24.18	26.00	18.09	18.22	18.18	20.00
EDGE 3 Tx slots	22.01	22.04	21.97	23.50	17.75	17.78	17.71	19.24
EDGE 4 Tx slots	19.53	19.69	19.59	21.00	16.53	16.69	16.59	18.00

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.23	22.28	22.21	24.00
3GPP Rel 99	RMC 12.2Kbps	22.25	22.39	22.26	24.00
3GPP Rel 6	HSDPA Subtest-1	21.07	21.46	21.35	23.00
3GPP Rel 6	HSDPA Subtest-2	21.35	21.19	21.30	23.00
3GPP Rel 6	HSDPA Subtest-3	20.87	20.72	20.69	22.50
3GPP Rel 6	HSDPA Subtest-4	20.76	20.98	20.63	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.28	21.60	21.26	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.17	21.46	21.43	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.66	20.98	20.89	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.80	21.02	20.67	22.50
3GPP Rel 6	HSUPA Subtest-1	21.09	21.28	21.00	23.00
3GPP Rel 6	HSUPA Subtest-2	19.29	19.10	19.25	21.00
3GPP Rel 6	HSUPA Subtest-3	20.09	20.14	20.10	22.00
3GPP Rel 6	HSUPA Subtest-4	19.24	19.16	19.34	21.00
3GPP Rel 6	HSUPA Subtest-5	21.38	21.46	21.50	23.00

Band 5

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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.87	22.91	22.90	24	0
10	QPSK	1	25	22.76	22.90	22.83		
10	QPSK	1	49	22.76	22.88	22.80		
10	QPSK	25	0	21.98	22.11	21.93	23	1
10	QPSK	25	12	21.92	22.06	21.88		
10	QPSK	25	25	21.88	21.99	21.89		
10	QPSK	50	0	21.85	22.01	21.83		
10	16QAM	1	0	22.16	22.23	22.12	23	1
10	16QAM	1	25	22.08	22.17	22.06		
10	16QAM	1	49	21.96	22.11	22.06		
10	16QAM	25	0	21.01	21.14	20.95	22	2
10	16QAM	25	12	21.00	21.07	20.93		
10	16QAM	25	25	20.98	21.03	20.90		
10	16QAM	50	0	20.96	21.12	21.04		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.83	22.82	22.79	24	0
5	QPSK	1	12	22.67	22.78	22.66		
5	QPSK	1	24	22.66	22.70	22.63		
5	QPSK	12	0	21.93	21.93	21.88	23	1
5	QPSK	12	7	21.88	21.87	21.82		
5	QPSK	12	13	21.77	21.84	21.75		
5	QPSK	25	0	21.68	21.92	21.76		
5	16QAM	1	0	22.06	22.06	21.98	23	1
5	16QAM	1	12	21.92	22.12	21.96		
5	16QAM	1	24	21.92	21.92	21.93		
5	16QAM	12	0	20.88	20.98	20.75	22	2
5	16QAM	12	7	20.91	20.99	20.88		
5	16QAM	12	13	20.89	20.91	20.78		
5	16QAM	25	0	20.90	20.95	20.96		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.78	22.81	22.73	24	0
3	QPSK	1	8	22.57	22.79	22.76		
3	QPSK	1	14	22.69	22.69	22.71		
3	QPSK	8	0	21.87	21.99	21.88	23	1
3	QPSK	8	4	21.86	21.98	21.69		
3	QPSK	8	7	21.80	21.93	21.73		
3	QPSK	15	0	21.73	21.96	21.68		
3	16QAM	1	0	22.11	22.15	21.98	23	1
3	16QAM	1	8	21.90	22.08	21.90		
3	16QAM	1	14	21.82	22.02	21.92		
3	16QAM	8	0	20.97	21.07	20.77	22	2
3	16QAM	8	4	20.80	20.93	20.86		
3	16QAM	8	7	20.86	20.86	20.85		
3	16QAM	15	0	20.81	21.01	20.86		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.67	22.84	22.83	24	0
1.4	QPSK	1	3	22.58	22.70	22.73		
1.4	QPSK	1	5	22.66	22.82	22.69		
1.4	QPSK	3	0	22.78	22.89	22.85		
1.4	QPSK	3	1	22.75	22.88	22.80		
1.4	QPSK	3	3	22.70	22.89	22.78		
1.4	QPSK	6	0	21.80	21.92	21.64	23	1
1.4	16QAM	1	0	22.09	22.03	22.02	23	1
1.4	16QAM	1	3	21.96	22.00	21.95		
1.4	16QAM	1	5	21.78	21.98	21.91		
1.4	16QAM	3	0	21.82	22.06	21.86		
1.4	16QAM	3	1	21.91	22.00	21.75		
1.4	16QAM	3	3	21.94	21.91	21.71		
1.4	16QAM	6	0	20.85	21.07	20.91	22	2

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	22.88	22.93	22.92	24	0
20	QPSK	1	49	22.68	22.85	22.76		
20	QPSK	1	99	22.75	22.81	22.76		
20	QPSK	50	0	21.78	21.91	21.77	23	1
20	QPSK	50	24	21.63	21.75	21.67		
20	QPSK	50	50	21.65	21.82	21.68		
20	QPSK	100	0	21.71	21.88	21.85		
20	16QAM	1	0	22.10	22.20	22.00	23	1
20	16QAM	1	49	21.94	22.12	21.92		
20	16QAM	1	99	21.96	22.15	22.03		
20	16QAM	50	0	21.06	21.17	21.10	22	2
20	16QAM	50	24	20.93	21.11	20.96		
20	16QAM	50	50	20.97	21.07	20.94		
20	16QAM	100	0	20.86	21.01	20.86		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.74	22.79	22.78	24	0
15	QPSK	1	37	22.64	22.79	22.65		
15	QPSK	1	74	22.64	22.65	22.60		
15	QPSK	36	0	21.60	21.79	21.60	23	1
15	QPSK	36	20	21.48	21.61	21.63		
15	QPSK	36	39	21.60	21.70	21.49		
15	QPSK	75	0	21.63	21.84	21.68		
15	16QAM	1	0	21.91	22.12	21.90	23	1
15	16QAM	1	37	21.77	21.92	21.88		
15	16QAM	1	74	21.86	22.07	21.91		
15	16QAM	36	0	20.97	21.08	21.01	22	2
15	16QAM	36	20	20.85	20.94	20.91		
15	16QAM	36	39	20.81	20.96	20.84		
15	16QAM	75	0	20.82	20.88	20.77		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.83	22.78	22.82	24	0
10	QPSK	1	25	22.50	22.77	22.69		
10	QPSK	1	49	22.60	22.73	22.72		
10	QPSK	25	0	21.65	21.70	21.64	23	1
10	QPSK	25	12	21.46	21.64	21.59		
10	QPSK	25	25	21.58	21.63	21.58		
10	QPSK	50	0	21.61	21.78	21.67		
10	16QAM	1	0	22.04	22.12	21.88	23	1
10	16QAM	1	25	21.87	22.01	21.77		
10	16QAM	1	49	21.90	22.02	21.98		
10	16QAM	25	0	20.89	21.11	20.96	22	2
10	16QAM	25	12	20.75	20.97	20.92		
10	16QAM	25	25	20.78	20.99	20.81		
10	16QAM	50	0	20.68	20.88	20.69		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.83	22.81	22.76	24	0
5	QPSK	1	12	22.63	22.76	22.60		
5	QPSK	1	24	22.68	22.73	22.57		
5	QPSK	12	0	21.65	21.79	21.62	23	1
5	QPSK	12	7	21.49	21.64	21.50		
5	QPSK	12	13	21.52	21.62	21.48		
5	QPSK	25	0	21.57	21.82	21.74		
5	16QAM	1	0	21.91	22.16	21.96	23	1
5	16QAM	1	12	21.75	22.07	21.87		
5	16QAM	1	24	21.83	22.01	21.90		
5	16QAM	12	0	20.87	21.07	20.97	22	2
5	16QAM	12	7	20.83	20.94	20.87		
5	16QAM	12	13	20.91	20.98	20.80		
5	16QAM	25	0	20.69	20.96	20.73		

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	23.03	23.12	22.96	24	0
20	QPSK	1	49	22.94	23.09	23.06		
20	QPSK	1	99	22.94	22.99	22.89		
20	QPSK	50	0	21.99	22.16	22.06	23	1
20	QPSK	50	24	22.03	22.12	21.96		
20	QPSK	50	50	21.87	22.01	21.90		
20	QPSK	100	0	21.95	22.08	22.02		
20	16QAM	1	0	22.02	22.20	22.10	23	1
20	16QAM	1	49	22.13	22.15	22.06		
20	16QAM	1	99	22.03	22.07	21.91		
20	16QAM	50	0	21.04	21.22	21.07	22	2
20	16QAM	50	24	20.96	21.07	20.93		
20	16QAM	50	50	20.98	21.09	21.01		
20	16QAM	100	0	20.88	21.03	21.01		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.87	22.97	22.92	24	0
15	QPSK	1	37	22.78	23.00	22.93		
15	QPSK	1	74	22.81	22.89	22.80		
15	QPSK	36	0	21.81	22.00	22.02	23	1
15	QPSK	36	20	21.88	22.06	21.85		
15	QPSK	36	39	21.72	21.86	21.78		
15	QPSK	75	0	21.92	21.92	21.97		
15	16QAM	1	0	21.96	22.03	21.94	23	1
15	16QAM	1	37	21.99	22.01	21.96		
15	16QAM	1	74	21.95	21.93	21.82		
15	16QAM	36	0	20.87	21.10	21.02	22	2
15	16QAM	36	20	20.93	21.02	20.80		
15	16QAM	36	39	20.86	20.92	20.84		
15	16QAM	75	0	20.84	21.00	20.97		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.89	22.99	22.85	24	0
10	QPSK	1	25	22.89	23.06	22.92		
10	QPSK	1	49	22.81	22.83	22.85		
10	QPSK	25	0	21.83	22.11	21.99	23	1
10	QPSK	25	12	21.97	22.03	21.88		
10	QPSK	25	25	21.83	21.91	21.74		
10	QPSK	50	0	21.86	22.02	21.90		
10	16QAM	1	0	21.96	22.05	21.94	23	1
10	16QAM	1	25	22.02	22.04	21.99		
10	16QAM	1	49	21.93	21.90	21.77		
10	16QAM	25	0	20.92	21.15	20.99	22	2
10	16QAM	25	12	20.81	20.93	20.86		
10	16QAM	25	25	20.90	21.01	20.90		
10	16QAM	50	0	20.83	20.98	20.88		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.85	23.00	22.85	24	0
5	QPSK	1	12	22.85	22.99	22.95		
5	QPSK	1	24	22.79	22.82	22.80		
5	QPSK	12	0	21.84	22.02	22.00	23	1
5	QPSK	12	7	21.94	22.02	21.89		
5	QPSK	12	13	21.75	21.98	21.73		
5	QPSK	25	0	21.88	21.92	21.84		
5	16QAM	1	0	21.91	22.15	22.08	23	1
5	16QAM	1	12	21.99	22.12	22.03		
5	16QAM	1	24	21.87	21.92	21.82		
5	16QAM	12	0	20.99	21.15	21.04	22	2
5	16QAM	12	7	20.94	21.05	20.82		
5	16QAM	12	13	20.83	20.92	20.92		
5	16QAM	25	0	20.79	20.90	20.85		

Band 41

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	23.32	23.13	23.35	23.23	24	0
20	QPSK	1	49	23.20	23.15	23.29	23.31		
20	QPSK	1	99	23.06	23.20	23.19	23.00		
20	QPSK	50	0	22.38	22.30	22.46	22.32	23	1
20	QPSK	50	24	22.29	22.17	22.33	22.19		
20	QPSK	50	50	22.07	22.18	22.10	22.05		
20	QPSK	100	0	22.39	22.03	22.43	22.22		
20	16QAM	1	0	22.26	22.17	22.31	22.42	23	1
20	16QAM	1	49	22.25	22.33	22.34	22.22		
20	16QAM	1	99	22.36	22.30	22.37	22.06		
20	16QAM	50	0	21.30	21.20	21.50	21.28	22	2
20	16QAM	50	24	21.30	21.25	21.31	21.04		
20	16QAM	50	50	21.19	21.23	21.31	21.19		
20	16QAM	100	0	21.34	21.08	21.35	21.15		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	23.21	22.98	23.11	23.03	24	0
15	QPSK	1	37	23.00	23.10	23.09	23.28		
15	QPSK	1	74	22.98	23.16	23.01	22.93		
15	QPSK	36	0	22.32	22.24	22.35	22.08	23	1
15	QPSK	36	20	22.07	22.00	22.26	22.11		
15	QPSK	36	39	21.85	22.12	21.86	21.99		
15	QPSK	75	0	22.34	21.90	22.16	22.14		
15	16QAM	1	0	22.00	22.06	22.12	22.17	23	1
15	16QAM	1	37	22.11	22.19	22.31	21.97		
15	16QAM	1	74	22.32	22.06	22.32	21.87		
15	16QAM	36	0	21.14	21.04	21.37	21.24	22	2
15	16QAM	36	20	21.25	21.04	21.19	20.99		
15	16QAM	36	39	21.09	21.01	21.04	21.01		
15	16QAM	75	0	21.17	20.94	21.14	21.06		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	23.02	22.87	23.04	22.94	24	0
10	QPSK	1	25	23.01	22.75	22.81	23.20		
10	QPSK	1	49	22.74	22.96	22.92	22.87		
10	QPSK	25	0	22.17	21.98	22.14	22.08	23	1
10	QPSK	25	12	22.19	21.85	22.05	21.88		
10	QPSK	25	25	21.87	21.93	21.69	21.72		
10	QPSK	50	0	22.20	22.10	22.27	22.17		
10	16QAM	1	0	21.94	21.86	22.03	22.05	23	1
10	16QAM	1	25	21.88	22.09	21.99	22.14		
10	16QAM	1	49	22.08	22.07	22.25	21.77		
10	16QAM	25	0	21.05	20.97	21.18	20.97	22	2
10	16QAM	25	12	20.91	20.80	20.87	20.69		
10	16QAM	25	25	20.86	20.78	20.94	21.03		
10	16QAM	50	0	20.92	20.75	21.07	20.94		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	23.16	22.95	23.06	23.01	24	0
5	QPSK	1	12	23.01	22.79	22.83	23.05		
5	QPSK	1	24	22.70	23.03	23.03	22.88		
5	QPSK	12	0	22.15	22.18	22.18	22.11	23	1
5	QPSK	12	7	21.98	21.88	22.08	21.89		
5	QPSK	12	13	21.79	21.90	21.69	21.73		
5	QPSK	25	0	22.16	21.85	22.32	22.00		
5	16QAM	1	0	21.98	21.96	22.01	22.03	23	1
5	16QAM	1	12	22.04	22.09	21.98	21.98		
5	16QAM	1	24	22.11	22.19	22.20	21.72		
5	16QAM	12	0	20.87	20.75	21.09	21.13	22	2
5	16QAM	12	7	21.04	20.97	21.08	20.68		
5	16QAM	12	13	20.90	20.84	20.89	20.85		
5	16QAM	25	0	20.97	20.89	21.02	20.86		

Reduced Power Mode for Hotspot

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.05	32.11	32.01	33.00	23.05	23.11	23.01	24.00
GPRS 1 Tx slot	32.00	32.09	31.95	33.00	23.00	23.09	22.95	24.00
GPRS 2 Tx slots	29.92	30.05	29.93	31.00	23.92	24.05	23.93	25.00
GPRS 3 Tx slots	28.11	28.13	28.00	29.50	23.85	23.87	23.74	25.24
GPRS 4 Tx slots	26.03	26.07	25.96	27.00	23.03	23.07	22.96	24.00
EDGE 1 Tx slot	25.41	25.55	25.50	27.00	16.41	16.55	16.50	18.00
EDGE 2 Tx slots	24.09	24.22	24.18	26.00	18.09	18.22	18.18	20.00
EDGE 3 Tx slots	22.01	22.04	21.97	23.50	17.75	17.78	17.71	19.24
EDGE 4 Tx slots	19.53	19.69	19.59	21.00	16.53	16.69	16.59	18.00

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.23	22.28	22.21	24.00
3GPP Rel 99	RMC 12.2Kbps	22.25	22.39	22.26	24.00
3GPP Rel 6	HSDPA Subtest-1	21.07	21.46	21.35	23.00
3GPP Rel 6	HSDPA Subtest-2	21.35	21.19	21.30	23.00
3GPP Rel 6	HSDPA Subtest-3	20.87	20.72	20.69	22.50
3GPP Rel 6	HSDPA Subtest-4	20.76	20.98	20.63	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.28	21.60	21.26	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.17	21.46	21.43	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.66	20.98	20.89	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.80	21.02	20.67	22.50
3GPP Rel 6	HSUPA Subtest-1	21.09	21.28	21.00	23.00
3GPP Rel 6	HSUPA Subtest-2	19.29	19.10	19.25	21.00
3GPP Rel 6	HSUPA Subtest-3	20.09	20.14	20.10	22.00
3GPP Rel 6	HSUPA Subtest-4	19.24	19.16	19.34	21.00
3GPP Rel 6	HSUPA Subtest-5	21.38	21.46	21.50	23.00

Band 5

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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.87	22.91	22.90	24	0
10	QPSK	1	25	22.76	22.90	22.83		
10	QPSK	1	49	22.76	22.88	22.80		
10	QPSK	25	0	21.98	22.11	21.93	23	1
10	QPSK	25	12	21.92	22.06	21.88		
10	QPSK	25	25	21.88	21.99	21.89		
10	QPSK	50	0	21.85	22.01	21.83		
10	16QAM	1	0	22.16	22.23	22.12	23	1
10	16QAM	1	25	22.08	22.17	22.06		
10	16QAM	1	49	21.96	22.11	22.06		
10	16QAM	25	0	21.01	21.14	20.95	22	2
10	16QAM	25	12	21.00	21.07	20.93		
10	16QAM	25	25	20.98	21.03	20.90		
10	16QAM	50	0	20.96	21.12	21.04		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.83	22.82	22.79	24	0
5	QPSK	1	12	22.67	22.78	22.66		
5	QPSK	1	24	22.66	22.70	22.63		
5	QPSK	12	0	21.93	21.93	21.88	23	1
5	QPSK	12	7	21.88	21.87	21.82		
5	QPSK	12	13	21.77	21.84	21.75		
5	QPSK	25	0	21.68	21.92	21.76		
5	16QAM	1	0	22.06	22.06	21.98	23	1
5	16QAM	1	12	21.92	22.12	21.96		
5	16QAM	1	24	21.92	21.92	21.93		
5	16QAM	12	0	20.88	20.98	20.75	22	2
5	16QAM	12	7	20.91	20.99	20.88		
5	16QAM	12	13	20.89	20.91	20.78		
5	16QAM	25	0	20.90	20.95	20.96		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.78	22.81	22.73	24	0
3	QPSK	1	8	22.57	22.79	22.76		
3	QPSK	1	14	22.69	22.69	22.71		
3	QPSK	8	0	21.87	21.99	21.88	23	1
3	QPSK	8	4	21.86	21.98	21.69		
3	QPSK	8	7	21.80	21.93	21.73		
3	QPSK	15	0	21.73	21.96	21.68		
3	16QAM	1	0	22.11	22.15	21.98	23	1
3	16QAM	1	8	21.90	22.08	21.90		
3	16QAM	1	14	21.82	22.02	21.92		
3	16QAM	8	0	20.97	21.07	20.77	22	2
3	16QAM	8	4	20.80	20.93	20.86		
3	16QAM	8	7	20.86	20.86	20.85		
3	16QAM	15	0	20.81	21.01	20.86		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.67	22.84	22.83	24	0
1.4	QPSK	1	3	22.58	22.70	22.73		
1.4	QPSK	1	5	22.66	22.82	22.69		
1.4	QPSK	3	0	22.78	22.89	22.85		
1.4	QPSK	3	1	22.75	22.88	22.80		
1.4	QPSK	3	3	22.70	22.89	22.78		
1.4	QPSK	6	0	21.80	21.92	21.64	23	1
1.4	16QAM	1	0	22.09	22.03	22.02	23	1
1.4	16QAM	1	3	21.96	22.00	21.95		
1.4	16QAM	1	5	21.78	21.98	21.91		
1.4	16QAM	3	0	21.82	22.06	21.86		
1.4	16QAM	3	1	21.91	22.00	21.75		
1.4	16QAM	3	3	21.94	21.91	21.71		
1.4	16QAM	6	0	20.85	21.07	20.91	22	2

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	14.12	14.39	14.00	15	0
20	QPSK	1	49	14.12	14.07	14.11		
20	QPSK	1	99	14.11	14.31	14.12		
20	QPSK	50	0	12.90	13.38	13.20	14	1
20	QPSK	50	24	13.18	13.35	12.96		
20	QPSK	50	50	13.28	13.31	13.12		
20	QPSK	100	0	13.09	13.23	13.11		
20	16QAM	1	0	12.77	13.11	13.17	14	1
20	16QAM	1	49	13.06	13.22	12.76		
20	16QAM	1	99	13.09	13.23	12.76		
20	16QAM	50	0	12.32	12.52	12.41	13	2
20	16QAM	50	24	12.29	12.49	12.08		
20	16QAM	50	50	12.02	12.33	12.12		
20	16QAM	100	0	12.28	12.43	12.10		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	14.01	14.04	13.78	15	0
15	QPSK	1	37	13.66	13.70	13.75		
15	QPSK	1	74	13.72	14.15	13.73		
15	QPSK	36	0	12.78	12.95	12.99	14	1
15	QPSK	36	20	13.01	13.24	12.86		
15	QPSK	36	39	12.83	13.22	12.78		
15	QPSK	75	0	12.83	13.10	12.95		
15	16QAM	1	0	12.60	12.66	12.87	14	1
15	16QAM	1	37	12.74	12.87	12.55		
15	16QAM	1	74	12.96	12.92	12.47		
15	16QAM	36	0	11.97	12.10	12.11	13	2
15	16QAM	36	20	12.03	12.41	12.05		
15	16QAM	36	39	12.01	12.24	12.07		
15	16QAM	75	0	11.86	11.99	11.92		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	13.69	14.07	13.77	15	0
10	QPSK	1	25	13.94	13.63	13.85		
10	QPSK	1	49	13.78	13.97	14.03		
10	QPSK	25	0	12.80	13.03	13.03	14	1
10	QPSK	25	12	12.87	13.01	12.81		
10	QPSK	25	25	12.89	13.05	13.00		
10	QPSK	50	0	12.67	12.91	12.92		
10	16QAM	1	0	12.58	12.66	12.89	14	1
10	16QAM	1	25	12.66	12.92	12.63		
10	16QAM	1	49	12.97	13.02	12.61		
10	16QAM	25	0	11.98	12.10	12.06	13	2
10	16QAM	25	12	11.96	12.05	11.75		
10	16QAM	25	25	11.73	11.98	11.85		
10	16QAM	50	0	11.95	12.07	11.95		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	13.70	13.97	13.91	15	0
5	QPSK	1	12	13.78	13.80	13.85		
5	QPSK	1	24	13.68	14.15	14.04		
5	QPSK	12	0	12.73	12.96	13.04	14	1
5	QPSK	12	7	12.75	13.11	12.67		
5	QPSK	12	13	13.04	13.05	12.75		
5	QPSK	25	0	12.87	13.14	13.03		
5	16QAM	1	0	12.65	12.71	12.98	14	1
5	16QAM	1	12	12.84	12.96	12.49		
5	16QAM	1	24	12.97	12.97	12.67		
5	16QAM	12	0	12.20	12.31	12.27	13	2
5	16QAM	12	7	12.02	12.15	11.90		
5	16QAM	12	13	11.90	11.99	11.82		
5	16QAM	25	0	11.89	12.13	11.81		

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	14.13	14.52	14.45	15.5	0
20	QPSK	1	49	14.20	14.21	14.17		
20	QPSK	1	99	14.25	14.35	14.19		
20	QPSK	50	0	13.34	13.56	13.48	14.5	1
20	QPSK	50	24	13.08	13.27	13.08		
20	QPSK	50	50	13.33	13.43	13.35		
20	QPSK	100	0	13.16	13.36	13.01		
20	16QAM	1	0	13.56	13.65	13.62	14.5	1
20	16QAM	1	49	13.38	13.53	13.24		
20	16QAM	1	99	13.32	13.66	13.45		
20	16QAM	50	0	12.40	12.50	12.21	13.5	2
20	16QAM	50	24	12.19	12.34	12.12		
20	16QAM	50	50	12.38	12.42	12.34		
20	16QAM	100	0	12.05	12.41	12.20		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	13.95	14.18	14.33	15.5	0
15	QPSK	1	37	13.96	13.97	13.98		
15	QPSK	1	74	13.97	14.02	13.92		
15	QPSK	36	0	13.08	13.35	13.35	14.5	1
15	QPSK	36	20	12.90	13.23	12.93		
15	QPSK	36	39	13.29	13.11	13.30		
15	QPSK	75	0	12.87	13.11	12.68		
15	16QAM	1	0	13.45	13.36	13.54	14.5	1
15	16QAM	1	37	13.27	13.38	13.20		
15	16QAM	1	74	13.19	13.57	13.41		
15	16QAM	36	0	12.14	12.34	12.06	13.5	2
15	16QAM	36	20	11.91	12.19	12.07		
15	16QAM	36	39	12.12	12.22	12.12		
15	16QAM	75	0	11.86	12.23	12.11		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	13.96	14.19	14.12	15.5	0
10	QPSK	1	25	14.12	14.04	14.11		
10	QPSK	1	49	14.18	14.10	13.83		
10	QPSK	25	0	13.21	13.40	13.27	14.5	1
10	QPSK	25	12	13.08	13.00	12.99		
10	QPSK	25	25	13.08	13.11	13.05		
10	QPSK	50	0	13.07	13.22	12.72		
10	16QAM	1	0	13.46	13.50	13.28	14.5	1
10	16QAM	1	25	13.08	13.39	13.02		
10	16QAM	1	49	13.00	13.28	13.43		
10	16QAM	25	0	12.32	12.36	12.13	13.5	2
10	16QAM	25	12	11.96	12.25	11.90		
10	16QAM	25	25	12.11	12.07	12.17		
10	16QAM	50	0	11.73	12.21	12.18		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	14.12	14.16	14.23	15.5	0
5	QPSK	1	12	14.17	14.19	14.00		
5	QPSK	1	24	14.01	14.23	13.90		
5	QPSK	12	0	13.32	13.38	13.28	14.5	1
5	QPSK	12	7	13.07	13.06	13.01		
5	QPSK	12	13	13.17	13.12	13.05		
5	QPSK	25	0	12.91	13.25	13.00		
5	16QAM	1	0	13.49	13.30	13.37	14.5	1
5	16QAM	1	12	13.28	13.26	13.05		
5	16QAM	1	24	13.06	13.30	13.30		
5	16QAM	12	0	12.23	12.25	11.92	13.5	2
5	16QAM	12	7	12.05	12.26	12.01		
5	16QAM	12	13	12.24	12.27	12.26		
5	16QAM	25	0	11.86	12.27	12.16		

Band 41

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	14.18	14.41	14.55	14.53	15.5	0
20	QPSK	1	49	14.26	14.25	14.27	14.16		
20	QPSK	1	99	14.32	14.14	14.33	14.41		
20	QPSK	50	0	13.34	13.47	13.53	13.51	14.5	1
20	QPSK	50	24	13.12	13.09	13.39	13.29		
20	QPSK	50	50	13.40	13.35	13.41	13.35		
20	QPSK	100	0	13.13	13.03	13.49	13.34		
20	16QAM	1	0	13.62	13.64	13.61	13.62	14.5	1
20	16QAM	1	49	13.32	13.18	13.38	13.61		
20	16QAM	1	99	13.31	13.39	13.50	13.62		
20	16QAM	50	0	12.47	12.21	12.50	12.55	13.5	2
20	16QAM	50	24	12.25	12.08	12.56	12.40		
20	16QAM	50	50	12.33	12.33	12.47	12.43		
20	16QAM	100	0	12.08	12.23	12.42	12.44		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	14.09	14.28	14.24	14.42	15.5	0
15	QPSK	1	37	13.98	14.00	14.09	14.09		
15	QPSK	1	74	14.08	14.05	14.15	14.22		
15	QPSK	36	0	13.10	13.30	13.36	13.28	14.5	1
15	QPSK	36	20	12.94	13.00	13.22	13.14		
15	QPSK	36	39	13.15	13.06	13.13	13.17		
15	QPSK	75	0	12.85	12.86	13.32	13.02		
15	16QAM	1	0	13.49	13.44	13.33	13.38	14.5	1
15	16QAM	1	37	13.24	13.05	13.17	13.49		
15	16QAM	1	74	13.17	13.29	13.18	13.35		
15	16QAM	36	0	12.22	12.03	12.22	12.41	13.5	2
15	16QAM	36	20	11.94	11.98	12.28	12.22		
15	16QAM	36	39	12.04	12.20	12.23	12.12		
15	16QAM	75	0	11.92	11.97	12.20	12.29		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	13.97	14.24	14.27	14.32	15.5	0
10	QPSK	1	25	14.14	14.09	14.10	13.99		
10	QPSK	1	49	14.13	13.94	14.09	14.20		
10	QPSK	25	0	13.07	13.21	13.21	13.33	14.5	1
10	QPSK	25	12	12.84	12.87	13.08	13.01		
10	QPSK	25	25	13.18	13.23	13.15	13.20		
10	QPSK	50	0	13.00	13.04	13.36	13.09		
10	16QAM	1	0	13.39	13.52	13.35	13.38	14.5	1
10	16QAM	1	25	13.19	13.19	13.15	13.48		
10	16QAM	1	49	13.17	13.20	13.19	13.47		
10	16QAM	25	0	12.17	12.09	12.20	12.44	13.5	2
10	16QAM	25	12	11.95	11.98	12.40	12.22		
10	16QAM	25	25	12.11	12.24	12.39	12.19		
10	16QAM	50	0	11.94	11.98	12.25	12.33		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	14.13	14.17	14.46	14.26	15.5	0
5	QPSK	1	12	14.04	13.97	14.12	14.06		
5	QPSK	1	24	14.14	14.09	14.21	14.21		
5	QPSK	12	0	13.13	13.35	13.44	13.22	14.5	1
5	QPSK	12	7	13.01	13.02	13.16	13.01		
5	QPSK	12	13	13.30	13.06	13.17	13.24		
5	QPSK	25	0	13.00	12.90	13.34	13.03		
5	16QAM	1	0	13.47	13.42	13.36	13.38	14.5	1
5	16QAM	1	12	13.11	12.99	13.13	13.29		
5	16QAM	1	24	13.08	13.20	13.24	13.35		
5	16QAM	12	0	12.17	12.05	12.36	12.27	13.5	2
5	16QAM	12	7	12.02	11.92	12.28	12.09		
5	16QAM	12	13	12.09	12.08	12.16	12.14		
5	16QAM	25	0	11.90	12.11	12.12	12.18		

Reduced Power Mode for Body-worn&Extremity

Band 5

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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.87	22.91	22.90	24	0
10	QPSK	1	25	22.76	22.90	22.83		
10	QPSK	1	49	22.76	22.88	22.80		
10	QPSK	25	0	21.98	22.11	21.93	23	1
10	QPSK	25	12	21.92	22.06	21.88		
10	QPSK	25	25	21.88	21.99	21.89		
10	QPSK	50	0	21.85	22.01	21.83		
10	16QAM	1	0	22.16	22.23	22.12	23	1
10	16QAM	1	25	22.08	22.17	22.06		
10	16QAM	1	49	21.96	22.11	22.06		
10	16QAM	25	0	21.01	21.14	20.95	22	2
10	16QAM	25	12	21.00	21.07	20.93		
10	16QAM	25	25	20.98	21.03	20.90		
10	16QAM	50	0	20.96	21.12	21.04		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.83	22.82	22.79	24	0
5	QPSK	1	12	22.67	22.78	22.66		
5	QPSK	1	24	22.66	22.70	22.63		
5	QPSK	12	0	21.93	21.93	21.88	23	1
5	QPSK	12	7	21.88	21.87	21.82		
5	QPSK	12	13	21.77	21.84	21.75		
5	QPSK	25	0	21.68	21.92	21.76		
5	16QAM	1	0	22.06	22.06	21.98	23	1
5	16QAM	1	12	21.92	22.12	21.96		
5	16QAM	1	24	21.92	21.92	21.93		
5	16QAM	12	0	20.88	20.98	20.75	22	2
5	16QAM	12	7	20.91	20.99	20.88		
5	16QAM	12	13	20.89	20.91	20.78		
5	16QAM	25	0	20.90	20.95	20.96		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.78	22.81	22.73	24	0
3	QPSK	1	8	22.57	22.79	22.76		
3	QPSK	1	14	22.69	22.69	22.71		
3	QPSK	8	0	21.87	21.99	21.88	23	1
3	QPSK	8	4	21.86	21.98	21.69		
3	QPSK	8	7	21.80	21.93	21.73		
3	QPSK	15	0	21.73	21.96	21.68		
3	16QAM	1	0	22.11	22.15	21.98	23	1
3	16QAM	1	8	21.90	22.08	21.90		
3	16QAM	1	14	21.82	22.02	21.92		
3	16QAM	8	0	20.97	21.07	20.77	22	2
3	16QAM	8	4	20.80	20.93	20.86		
3	16QAM	8	7	20.86	20.86	20.85		
3	16QAM	15	0	20.81	21.01	20.86		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.67	22.84	22.83	24	0
1.4	QPSK	1	3	22.58	22.70	22.73		
1.4	QPSK	1	5	22.66	22.82	22.69		
1.4	QPSK	3	0	22.78	22.89	22.85		
1.4	QPSK	3	1	22.75	22.88	22.80		
1.4	QPSK	3	3	22.70	22.89	22.78		
1.4	QPSK	6	0	21.80	21.92	21.64	23	1
1.4	16QAM	1	0	22.09	22.03	22.02	23	1
1.4	16QAM	1	3	21.96	22.00	21.95		
1.4	16QAM	1	5	21.78	21.98	21.91		
1.4	16QAM	3	0	21.82	22.06	21.86		
1.4	16QAM	3	1	21.91	22.00	21.75		
1.4	16QAM	3	3	21.94	21.91	21.71		
1.4	16QAM	6	0	20.85	21.07	20.91	22	2

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	15.81	16.12	16.02	17	0
20	QPSK	1	49	15.64	15.84	15.70		
20	QPSK	1	99	15.68	15.91	15.80		
20	QPSK	50	0	14.91	15.04	14.80	16	1
20	QPSK	50	24	14.79	14.89	14.64		
20	QPSK	50	50	14.88	14.97	14.80		
20	QPSK	100	0	14.89	15.00	14.79		
20	16QAM	1	0	15.11	15.35	15.22	16	1
20	16QAM	1	49	15.16	15.29	15.03		
20	16QAM	1	99	15.03	15.22	14.91		
20	16QAM	50	0	14.10	14.25	13.95	15	2
20	16QAM	50	24	13.98	14.16	13.96		
20	16QAM	50	50	13.79	14.10	14.02		
20	16QAM	100	0	13.81	14.11	13.84		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	15.56	15.86	15.80	17	0
15	QPSK	1	37	15.38	15.75	15.50		
15	QPSK	1	74	15.60	15.75	15.57		
15	QPSK	36	0	14.82	14.82	14.54	16	1
15	QPSK	36	20	14.57	14.76	14.39		
15	QPSK	36	39	14.68	14.83	14.53		
15	QPSK	75	0	14.75	14.74	14.68		
15	16QAM	1	0	14.91	15.23	14.99	16	1
15	16QAM	1	37	15.07	15.12	14.82		
15	16QAM	1	74	14.86	15.04	14.75		
15	16QAM	36	0	13.97	13.98	13.85	15	2
15	16QAM	36	20	13.75	13.97	13.69		
15	16QAM	36	39	13.59	13.88	13.89		
15	16QAM	75	0	13.60	14.01	13.70		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	15.50	15.85	15.93	17	0
10	QPSK	1	25	15.45	15.55	15.48		
10	QPSK	1	49	15.53	15.76	15.57		
10	QPSK	25	0	14.63	14.77	14.58	16	1
10	QPSK	25	12	14.67	14.59	14.44		
10	QPSK	25	25	14.69	14.77	14.50		
10	QPSK	50	0	14.69	14.91	14.54		
10	16QAM	1	0	14.98	15.20	14.98	16	1
10	16QAM	1	25	14.90	15.17	14.89		
10	16QAM	1	49	14.94	14.93	14.81		
10	16QAM	25	0	13.87	14.05	13.82	15	2
10	16QAM	25	12	13.90	14.07	13.66		
10	16QAM	25	25	13.64	13.98	13.90		
10	16QAM	50	0	13.54	13.84	13.66		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	15.69	15.85	15.86	17	0
5	QPSK	1	12	15.53	15.64	15.59		
5	QPSK	1	24	15.59	15.78	15.61		
5	QPSK	12	0	14.77	14.87	14.57	16	1
5	QPSK	12	7	14.71	14.73	14.41		
5	QPSK	12	13	14.66	14.88	14.71		
5	QPSK	25	0	14.60	14.69	14.57		
5	16QAM	1	0	14.97	15.24	15.03	16	1
5	16QAM	1	12	15.03	15.10	14.77		
5	16QAM	1	24	14.74	15.10	14.81		
5	16QAM	12	0	14.00	13.95	13.69	15	2
5	16QAM	12	7	13.83	13.92	13.83		
5	16QAM	12	13	13.58	13.82	13.79		
5	16QAM	25	0	13.50	13.99	13.66		

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	15.17	15.45	15.38	16.5	0
20	QPSK	1	49	15.05	15.14	14.97		
20	QPSK	1	99	14.97	15.26	15.11		
20	QPSK	50	0	14.26	14.46	14.17	15.5	1
20	QPSK	50	24	13.98	14.22	14.10		
20	QPSK	50	50	14.10	14.32	14.11		
20	QPSK	100	0	13.98	14.30	14.00		
20	16QAM	1	0	14.32	14.53	14.44	15.5	1
20	16QAM	1	49	14.13	14.41	14.33		
20	16QAM	1	99	14.26	14.57	14.40		
20	16QAM	50	0	13.09	13.42	13.25	14.5	2
20	16QAM	50	24	13.06	13.28	13.17		
20	16QAM	50	50	12.96	13.36	13.05		
20	16QAM	100	0	12.90	13.31	13.13		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	14.96	15.13	15.08	16.5	0
15	QPSK	1	37	14.92	15.02	14.80		
15	QPSK	1	74	14.73	15.13	14.94		
15	QPSK	36	0	14.16	14.25	13.94	15.5	1
15	QPSK	36	20	13.81	13.92	13.90		
15	QPSK	36	39	13.87	14.02	13.81		
15	QPSK	75	0	13.88	14.22	13.83		
15	16QAM	1	0	14.20	14.35	14.15	15.5	1
15	16QAM	1	37	13.96	14.12	14.20		
15	16QAM	1	74	14.02	14.30	14.11		
15	16QAM	36	0	12.91	13.29	13.06	14.5	2
15	16QAM	36	20	12.90	13.02	12.86		
15	16QAM	36	39	12.85	13.14	12.81		
15	16QAM	75	0	12.77	13.02	13.05		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	14.99	15.20	15.18	16.5	0
10	QPSK	1	25	14.83	15.06	14.77		
10	QPSK	1	49	14.73	14.98	14.97		
10	QPSK	25	0	14.04	14.25	13.96	15.5	1
10	QPSK	25	12	13.90	14.12	13.94		
10	QPSK	25	25	13.97	14.19	13.93		
10	QPSK	50	0	13.73	14.19	13.75		
10	16QAM	1	0	14.17	14.44	14.17	15.5	1
10	16QAM	1	25	13.97	14.19	14.19		
10	16QAM	1	49	14.13	14.41	14.32		
10	16QAM	25	0	12.81	13.13	12.97	14.5	2
10	16QAM	25	12	12.74	13.00	12.98		
10	16QAM	25	25	12.75	13.16	12.92		
10	16QAM	50	0	12.81	13.14	12.92		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	14.94	15.22	15.14	16.5	0
5	QPSK	1	12	14.81	14.98	14.85		
5	QPSK	1	24	14.88	15.14	14.80		
5	QPSK	12	0	13.99	14.21	14.04	15.5	1
5	QPSK	12	7	13.87	14.13	13.96		
5	QPSK	12	13	13.80	14.20	13.85		
5	QPSK	25	0	13.71	14.18	13.91		
5	16QAM	1	0	14.05	14.40	14.36	15.5	1
5	16QAM	1	12	14.01	14.29	14.03		
5	16QAM	1	24	13.98	14.35	14.25		
5	16QAM	12	0	12.91	13.24	13.02	14.5	2
5	16QAM	12	7	12.97	12.96	12.97		
5	16QAM	12	13	12.75	13.18	12.79		
5	16QAM	25	0	12.69	13.16	12.88		

Band 41

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	15.11	15.33	15.49	15.46	16.5	0
20	QPSK	1	49	15.05	15.07	15.16	15.02		
20	QPSK	1	99	15.00	15.11	15.24	15.04		
20	QPSK	50	0	14.19	14.32	14.46	14.21	15.5	1
20	QPSK	50	24	14.09	14.11	14.27	13.98		
20	QPSK	50	50	14.15	14.18	14.30	14.07		
20	QPSK	100	0	14.13	14.30	14.38	14.20		
20	16QAM	1	0	14.30	14.28	14.49	14.23	15.5	1
20	16QAM	1	49	14.03	14.23	14.32	14.20		
20	16QAM	1	99	14.15	14.28	14.44	14.30		
20	16QAM	50	0	13.31	13.11	13.39	13.25	14.5	2
20	16QAM	50	24	13.26	13.20	13.46	13.29		
20	16QAM	50	50	13.32	13.14	13.41	13.33		
20	16QAM	100	0	13.11	13.15	13.30	13.21		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	14.82	15.12	15.20	15.23	16.5	0
15	QPSK	1	37	14.87	14.93	14.96	14.87		
15	QPSK	1	74	14.86	14.81	15.00	14.86		
15	QPSK	36	0	14.08	14.08	14.22	14.02	15.5	1
15	QPSK	36	20	13.81	14.01	13.99	13.89		
15	QPSK	36	39	13.97	14.00	14.08	13.80		
15	QPSK	75	0	13.91	14.21	14.22	13.96		
15	16QAM	1	0	14.18	14.16	14.37	14.01	15.5	1
15	16QAM	1	37	13.87	14.03	14.22	13.95		
15	16QAM	1	74	13.91	14.07	14.25	14.03		
15	16QAM	36	0	13.06	12.96	13.13	13.04	14.5	2
15	16QAM	36	20	13.11	12.95	13.31	12.99		
15	16QAM	36	39	13.17	12.97	13.16	13.20		
15	16QAM	75	0	12.98	13.00	13.06	12.97		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	14.80	15.17	15.26	15.20	16.5	0
10	QPSK	1	25	14.78	14.77	15.04	14.81		
10	QPSK	1	49	14.83	14.96	15.03	14.83		
10	QPSK	25	0	13.99	14.14	14.25	14.01	15.5	1
10	QPSK	25	12	13.80	13.95	14.09	13.77		
10	QPSK	25	25	13.86	13.93	13.99	13.87		
10	QPSK	50	0	13.93	14.02	14.20	14.03		
10	16QAM	1	0	14.15	14.16	14.20	14.12	15.5	1
10	16QAM	1	25	13.90	14.14	14.04	14.05		
10	16QAM	1	49	13.87	14.17	14.26	14.06		
10	16QAM	25	0	13.06	13.00	13.28	13.15	14.5	2
10	16QAM	25	12	13.09	13.01	13.30	13.04		
10	16QAM	25	25	13.07	12.98	13.17	13.20		
10	16QAM	50	0	12.87	12.85	13.15	13.08		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	14.89	15.05	15.20	15.16	16.5	0
5	QPSK	1	12	14.84	14.85	14.99	14.91		
5	QPSK	1	24	14.79	15.01	14.92	14.74		
5	QPSK	12	0	13.99	14.06	14.36	13.96	15.5	1
5	QPSK	12	7	13.86	14.03	14.03	13.88		
5	QPSK	12	13	13.95	14.04	14.03	13.91		
5	QPSK	25	0	13.94	14.16	14.08	13.97		
5	16QAM	1	0	13.99	14.07	14.27	14.13	15.5	1
5	16QAM	1	12	13.84	14.02	14.21	13.94		
5	16QAM	1	24	13.94	14.00	14.24	14.18		
5	16QAM	12	0	13.09	12.89	13.29	13.05	14.5	2
5	16QAM	12	7	13.15	13.03	13.21	13.02		
5	16QAM	12	13	13.13	12.91	13.24	13.16		
5	16QAM	25	0	12.90	12.86	13.20	12.94		

WLAN/Bluetooth Power

2.4GHz WLAN				Ant 2 Full Power For Head SAR For Hotspot SAR For Body-worn SAR For Extremity SAR		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.01	20.50	97.97
		6	2437	19.11	20.50	
		11	2462	18.98	20.50	
	802.11g 6Mbps	1	2412	19.36	20.50	97.46
		6	2437	18.83	20.50	
		11	2462	18.72	20.50	
	802.11n-HT20 MCS0	1	2412	19.06	20.50	88.18
		6	2437	19.37	20.50	
		11	2462	19.05	20.50	

5.2GHz WLAN				Ant 2 Full Power For Head SAR		Ant 2 For Body-worn SAR For Hotspot SAR For Extremity SAR		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.49	19.50	13.42	14.50	88.89
		40	5200	18.40	19.50	13.16	14.50	
		44	5220	17.92	19.50	13.02	14.50	
		48	5240	18.12	19.50	13.11	14.50	
	802.11n-HT20 MCS0	36	5180	18.46	19.50	Not Required	14.50	88.61
		40	5200	18.41	19.50		14.50	
		44	5220	17.92	19.50		14.50	
		48	5240	18.06	19.50		14.50	
	802.11ac-VHT20 MCS0	36	5180	17.56	19.00		14.50	89.16
		40	5200	17.42	19.00		14.50	
		44	5220	17.07	19.00		14.50	
		48	5240	17.29	19.00		14.50	

5.3GHz WLAN				Ant 2 Full Power For Head SAR		Ant 2 For Body-worn SAR For Extremity SAR		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.90	19.50	12.88	14.50	88.89
		56	5280	18.15	19.50	13.05	14.50	
		60	5300	18.04	19.50	12.91	14.50	
		64	5320	17.73	19.50	12.75	14.50	
	802.11n-HT20 MCS0	52	5260	17.90	19.50	Not Required	14.50	88.61
		56	5280	18.20	19.50		14.50	
		60	5300	18.04	19.50		14.50	
		64	5320	17.66	19.50		14.50	
	802.11ac-VHT20 MCS0	52	5260	17.04	18.50		14.50	89.16
		56	5280	17.32	19.00		14.50	
		60	5300	17.23	19.00		14.50	
		64	5320	16.78	18.50		14.50	

5.5GHz WLAN				Ant 2 Full Power For Head SAR		Ant 2 For Body-worn SAR For Extremity SAR		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.24	19.50	15.12	16.50	88.89
		116	5580	18.09	19.50	14.95	16.50	
		124	5620	18.04	19.50	14.86	16.50	
		132	5660	17.73	19.50	15.41	16.50	
		140	5700	18.07	19.50	15.68	16.50	
	802.11n-HT20 MCS0	100	5500	18.15	19.50	Not Required	16.50	88.61
		116	5580	17.97	19.50		16.50	
		124	5620	17.85	19.50		16.50	
		132	5660	18.00	19.50		16.50	
		140	5700	17.94	19.50		16.50	
	802.11ac-VHT20 MCS0	100	5500	17.21	19.00		16.50	89.16
		116	5580	16.73	18.50		16.50	
		124	5620	17.07	18.50		16.50	
		132	5660	16.58	18.50		16.50	
		140	5700	16.71	18.50		16.50	

5.8GHz WLAN				Ant 2 Full Power For Head SAR For Hotspot SAR For Body-worn SAR For Extremity SAR		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.79	19.50	88.89
		157	5785	18.02	19.50	
		165	5825	17.60	19.50	
	802.11n-HT20 MCS0	149	5745	17.70	19.50	88.61
		157	5785	17.92	19.50	
		165	5825	17.56	19.50	
	802.11ac-VHT20 MCS0	149	5745	17.56	19.50	89.16
		157	5785	16.61	18.50	
		165	5825	17.28	19.00	

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	9.56	7.23	7.44	11.50
	CH 39	2441	9.77	7.84	7.81	11.50
	CH 78	2480	10.81	8.93	9.03	12.50

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	0.97
	CH 19	2440	0.61
	CH 39	2480	1.04
Tune-up Limit			2.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	0.88
	CH 19	2440	0.75
	CH 39	2480	0.92
Tune-up Limit			2.00