



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power for UAT									
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		32.17	32.20	32.18	32.80	23.17	23.20	23.18	23.80
GPRS 1 Tx slot		32.05	32.17	32.15	32.80	23.05	23.17	23.15	23.80
GPRS 2 Tx slots		30.46	30.65	30.58	31.30	24.46	24.65	24.58	25.30
GPRS 3 Tx slots		28.84	29.01	29.00	29.80	24.58	24.75	24.74	25.54
GPRS 4 Tx slots		27.47	27.74	27.55	28.50	24.47	24.74	24.55	25.50
EDGE 1 Tx slot		26.10	26.17	26.15	26.80	17.10	17.17	17.15	17.80
EDGE 2 Tx slots		24.46	24.57	24.53	24.80	18.46	18.57	18.53	18.80
EDGE 3 Tx slots		23.32	23.55	23.43	23.80	18.06	18.30	18.17	18.54
EDGE 4 Tx slots		22.58	22.82	22.69	23.20	18.58	19.62	18.68	20.20

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		27.67	27.53	27.67	28.80	18.67	18.53	18.67	19.80
GPRS 1 Tx slot		27.47	27.58	27.58	28.80	18.47	18.56	18.55	19.80
GPRS 2 Tx slots		24.81	25.12	24.92	26.30	18.81	19.12	18.92	20.30
GPRS 3 Tx slots		23.71	24.01	23.89	25.00	19.45	19.75	19.33	20.74
GPRS 4 Tx slots		22.20	22.51	22.34	23.50	19.20	19.51	19.34	20.50
EDGE 1 Tx slot		23.32	23.60	23.35	24.30	14.32	14.60	14.35	15.30
EDGE 2 Tx slots		21.51	21.42	21.75	23.20	15.51	15.42	15.75	17.20
EDGE 3 Tx slots		20.41	20.81	20.68	22.10	16.15	16.55	16.40	17.84
EDGE 4 Tx slots		19.22	19.44	19.46	21.10	16.22	16.44	16.46	18.10

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9600	9638		1312	1413	1513		4132	4462	4433	
RX Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.17	22.28	22.26	23.30	21.78	21.92	21.93	23.30	24.25	24.24	24.19	24.80
3GPP Rel 99	RMC 12.2Kbps	22.18	22.30	22.28	23.30	21.80	21.93	21.95	23.30	24.27	24.25	24.21	24.80
3GPP Rel 6	HSDPA Subtest-1	21.23	21.31	21.30	22.30	20.77	20.95	20.92	22.30	23.28	23.26	23.23	23.80
3GPP Rel 6	HSDPA Subtest-2	21.26	21.33	21.29	22.30	20.76	20.91	20.93	22.30	23.27	23.27	23.17	23.80
3GPP Rel 6	HSDPA Subtest-3	20.71	20.82	20.82	21.80	20.31	20.42	20.39	21.80	22.79	22.77	22.72	23.30
3GPP Rel 6	HSDPA Subtest-4	20.70	20.80	20.80	21.80	20.29	20.39	20.42	21.80	22.77	22.73	22.72	23.30
3GPP Rel 6	DC-HSDPA Subtest-1	21.22	21.25	21.23	22.30	20.78	20.82	20.89	22.30	23.26	23.24	23.21	23.80
3GPP Rel 6	DC-HSDPA Subtest-2	21.18	21.23	21.20	22.30	20.74	20.79	20.86	22.30	23.22	23.19	23.17	23.80
3GPP Rel 6	DC-HSDPA Subtest-3	20.66	20.71	20.65	21.80	20.33	20.38	20.41	21.80	22.76	22.78	22.72	23.30
3GPP Rel 6	DC-HSDPA Subtest-4	20.65	20.70	20.66	21.80	20.30	20.35	20.38	21.80	22.74	22.75	22.70	23.30
3GPP Rel 6	HSUPA Subtest-1	21.20	21.32	21.33	22.30	20.79	20.94	20.91	22.30	23.12	23.08	23.04	23.80
3GPP Rel 6	HSUPA Subtest-2	19.24	19.32	19.33	20.30	18.79	18.95	18.96	20.30	21.09	21.10	21.00	21.80
3GPP Rel 6	HSUPA Subtest-3	20.22	20.33	20.35	21.30	19.84	19.93	19.95	21.30	22.20	22.13	22.11	22.80
3GPP Rel 6	HSUPA Subtest-4	19.24	19.33	19.31	20.30	18.81	18.93	18.99	20.30	21.17	21.05	21.09	21.80
3GPP Rel 6	HSUPA Subtest-5	21.20	21.30	21.40	22.30	20.50	20.90	20.90	22.30	22.70	22.75	22.69	23.80
3GPP Rel 7	HSPA+ (10QAM) Subtest-1	19.37	19.44	19.39	20.30	18.95	19.12	19.01	20.30	21.33	21.24	21.29	21.80

Band		CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel		1913	394	777		25	600	1175		476	590	684	
Frequency (MHz)		824.7	836.52	848.31		1851.25	1980	1908.75		817.9	820.5	823.1	
RC1 505S		24.01	24.02	23.98	24.80	21.78	21.80	21.80	23.30	24.16	24.18	24.14	24.80
RC3 505S		23.99	24.01	23.96	24.80	21.77	21.79	21.88	23.30	24.15	24.17	24.13	24.80
RC3 5032 (F+SCH)		23.97	24.01	23.95	24.80	21.77	21.79	21.87	23.30	24.13	24.16	24.12	24.80
RC3 5035 (F+SCH)		23.94	23.99	23.95	24.80	21.69	21.78	21.82	23.30	24.12	24.15	24.12	24.80
RTAP 15S 15Kbps		23.89	23.97	23.94	24.80	21.68	21.77	21.85	23.30	24.11	24.15	24.12	24.80
RETAP 40968ba		23.89	23.96	23.94	24.80	21.67	21.76	21.80	23.30	24.11	24.13	24.10	24.80

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High-Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2566	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.53	23.42	23.47	23.32	23.31	24.6	0
20	QPSK	1	49	23.49	23.54	23.79	23.72	23.71		
20	QPSK	1	99	23.50	23.45	23.48	23.41	23.65		
20	QPSK	50	0	22.58	22.61	22.87	22.70	22.70		
20	QPSK	50	24	22.85	22.88	22.89	22.78	22.75	23.6	1
20	QPSK	50	50	22.62	22.66	22.88	22.75	22.73		
20	QPSK	100	0	22.58	22.63	22.89	22.75	22.71		
20	16QAM	1	0	22.91	22.80	22.82	22.52	22.54		
20	16QAM	1	49	22.82	22.77	22.90	23.00	22.91	23.6	1
20	16QAM	1	99	22.85	22.88	22.71	22.77	23.01		
20	16QAM	50	0	21.68	21.54	21.91	21.71	21.81		
20	16QAM	50	24	21.70	21.81	21.90	21.88	22.01		
20	16QAM	50	50	21.71	21.78	21.88	21.84	21.88	22.6	2
20	16QAM	100	0	21.63	21.65	21.90	21.85	21.93		
20	64QAM	1	0	21.35	21.50	21.38	21.30	21.29		
20	64QAM	1	49	21.31	21.47	21.64	21.63	21.70		
20	64QAM	1	99	21.45	21.51	21.34	21.31	21.46	22.6	2
20	64QAM	50	0	20.35	20.43	20.56	20.35	20.53		
20	64QAM	50	24	20.36	20.53	20.65	20.49	20.76		
20	64QAM	50	50	20.33	20.55	20.56	20.52	20.75		
20	64QAM	100	0	20.27	20.45	20.55	20.40	20.67	21.6	3
20	256QAM	1	0	18.17	18.32	18.23	18.26	18.31		
20	256QAM	1	49	18.36	18.32	18.24	18.35	18.32		
20	256QAM	1	99	18.33	18.39	18.36	18.28	18.31		
20	256QAM	50	0	18.64	18.52	18.52	18.37	18.34	20.1	4.5
20	256QAM	50	24	18.66	18.53	18.34	18.49	18.56		
20	256QAM	50	50	18.64	18.56	18.52	18.38	18.51		
20	256QAM	100	0	18.50	18.88	18.34	18.22	18.52		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.53	23.34	23.40	23.62	23.58	24.6	0
15	QPSK	1	37	23.56	23.52	23.75	23.65	23.53		
15	QPSK	1	74	23.49	23.40	23.65	23.74	23.77		
15	QPSK	36	0	22.76	22.89	22.86	22.82	22.82		
15	QPSK	36	20	22.73	22.72	22.79	22.97	22.90	23.6	1
15	QPSK	36	36	22.62	22.56	22.83	22.97	22.90		
15	QPSK	75	0	22.67	22.59	22.79	22.96	22.84		
15	16QAM	1	0	22.88	22.58	22.80	22.98	22.77		
15	16QAM	1	37	22.78	22.88	22.97	22.97	22.91	23.6	1
15	16QAM	1	74	22.90	22.71	22.87	22.94	23.01		
15	16QAM	36	0	21.74	21.51	21.67	21.85	21.72		
15	16QAM	36	20	21.71	21.67	21.75	22.00	21.84		
15	16QAM	36	36	21.75	21.56	21.86	21.95	21.97	22.6	2
15	16QAM	75	0	21.74	21.60	21.73	21.99	21.74		
15	64QAM	1	0	21.28	21.26	21.26	21.51	21.42		
15	64QAM	1	37	21.31	21.52	21.63	21.71	21.67		
15	64QAM	1	74	21.38	21.28	21.48	21.48	21.56	22.6	2
15	64QAM	36	0	20.33	20.41	20.38	20.61	20.56		
15	64QAM	36	20	20.33	20.54	20.49	20.70	20.66		
15	64QAM	36	36	20.35	20.47	20.54	20.59	20.69		
15	64QAM	75	0	20.27	20.50	20.41	20.61	20.56	21.6	3
15	256QAM	1	0	18.47	18.44	18.17	18.24	18.28		
15	256QAM	1	37	18.53	18.49	18.15	18.13	18.34		
15	256QAM	1	74	18.53	18.31	18.48	18.43	18.43		
15	256QAM	36	0	18.23	18.37	18.31	18.35	18.22	20.1	4.5
15	256QAM	36	20	18.20	18.36	18.19	18.33	18.34		
15	256QAM	36	36	18.45	18.35	18.32	18.21	18.23		
15	256QAM	75	0	18.43	18.41	18.11	18.09	18.35		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.28	23.02	23.2	23.36	23.3	24.6	0
10	QPSK	1	25	23.37	23.29	23.46	23.42	23.5		
10	QPSK	1	49	23.44	23.14	23.39	23.37	23.35		
10	QPSK	25	0	22.51	22.39	22.58	22.63	22.61		
10	QPSK	25	12	22.64	22.54	22.67	22.83	22.77	23.6	1
10	QPSK	25	25	22.46	22.45	22.56	22.72	22.74		
10	QPSK	50	0	22.51	22.47	22.46	22.75	22.57		
10	16QAM	1	0	22.76	22.59	22.55	22.7	22.78		
10	16QAM	1	25	22.68	22.73	22.81	22.7	22.91	23.6	1
10	16QAM	1	49	22.62	22.58	22.64	22.82	22.71		
10	16QAM	25	0	21.6	21.57	21.65	21.61	21.76		
10	16QAM	25	12	21.58	21.55	21.66	21.86	21.81		
10	16QAM	25	25	21.46	21.59	21.68	21.76	21.79	22.6	2
10	16QAM	50	0	21.53	21.51	21.63	21.78	21.74		
10	64QAM	1	0	21.17	21.15	21.16	21.28	21.28		
10	64QAM	1	25	21.09	21.39	21.47	21.54	21.51		
10	64QAM	1	49	21.18	21.16	21.24	21.33	21.23	22.6	2
10	64QAM	25	0	20.15	20.38	20.30	20.45	20.47		
10	64QAM	25	12	20.22	20.49	20.41	20.62	20.60		
10	64QAM	25	25	20.16	20.40	20.37	20.50	20.47		
10	64QAM	50	0	20.08	20.33	20.24	20.49	20.40	21.6	3
10	256QAM	1	0	18.13	18.17	18.11	18.24	18.30		
10	256QAM	1	25	18.11	18.21	18.27	18.36	18.33		
10	256QAM	1	49	18.23	18.31	18.36	18.36	18.38		
10	256QAM	25	0	18.17	18.19	18.28	18.27	18.28	20.1	4.5
10	256QAM	25	12	18.22	18.29	18.10	18.22	18.40		
10	256QAM	25	25	18.12	18.16	18.33	18.36	18.23		
10	256QAM	50	0	18.15	18.18	18.13	18.31	18.25		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2466.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.40	23.31	23.53	23.62	23.59	24.6	0
5	QPSK	1	12	23.35	23.38	23.52	23.63	23.66		
5	QPSK	1	24	23.33	23.36	23.52	23.68	23.57		
5	QPSK	12	0	22.52	22.55	22.63	22.80	22.82		
5	QPSK	12	7	22.56	22.64	22.71	22.77	22.81	23.6	1
5	QPSK	12	13	22.53	22.59	22.72	22.82	22.77		
5	QPSK	25	0	22.54	22.56	22.60	22.74	22.76		
5	16QAM	1	0	22.80	22.59	22.75	22.92	23.01		
5	16QAM	1	12	22.63	22.61	22.79	22.97	22.86	23.6	1
5	16QAM	1	24	22.73	22.64	22.85	23.03	22.90		
5	16QAM	12	0	21.66	21.55	21.68	21.83	21.87		
5	16QAM	12	7	21.59	21.64	21.65	21.84	21.90		
5	16QAM	12	13	21.62	21.64	21.75	21.88	21.80	22.6	2
5	16QAM	25	0	21.58	21.58	21.71	21.80	21.75		
5	64QAM	1	0	21.15	21.33	21.31	21.49	21.51		
5	64QAM	1	12	21.12	21.41	21.42	21.53	21.55		
5	64QAM	1	24	21.14	21.41	21.43	21.53	21.53	21.6	3
5	64QAM	12	0	20.14	20.41	20.33	20.47	20.53		
5	64QAM	12	7	20.19	20.42	20.41	20.53	20.55		
5	64QAM	12	13	20.18	20.42	20.42	20.55	20.49		
5	64QAM	25	0	20.17	20.46	20.37	20.48	20.54	20.1	4.5
5	256QAM	1	0	18.46	18.35	18.16	18.45	18.53		
5	256QAM	1	12	18.29	18.23	18.22	18.35	18.37		
5	256QAM	1	24	18.19	18.56	18.55	18.46	18.46		
5	256QAM	12	0	18.						

LTE Band 48									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Middle Ch. / Freq.	Power High-Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	23.05	23.22	23.08	23.19	23.8	0
20	QPSK	1	49	23.24	23.46	23.35	23.42		
20	QPSK	1	99	23.08	23.26	23.12	23.21		
20	QPSK	50	0	22.21	22.45	22.33	22.38		
20	QPSK	50	24	22.34	22.81	22.50	22.51	22.8	1
20	QPSK	50	50	22.29	22.53	22.42	22.44		
20	QPSK	100	0	22.26	22.52	22.41	22.44		
20	16QAM	1	0	22.30	22.62	22.46	22.38		
20	16QAM	1	49	22.88	22.80	22.75	22.72	22.8	1
20	16QAM	1	99	22.46	22.56	22.81	22.53		
20	16QAM	50	0	21.33	21.51	21.38	21.41		
20	16QAM	50	24	21.42	21.56	21.52	21.50		
20	16QAM	50	50	21.34	21.47	21.50	21.46	21.8	2
20	16QAM	100	0	21.32	21.50	21.49	21.46		
20	64QAM	1	0	21.13	21.42	21.16	21.11		
20	64QAM	1	49	21.53	21.62	21.55	21.47		
20	64QAM	1	99	21.27	21.33	21.42	21.22	20.8	3
20	64QAM	50	0	20.45	20.71	20.59	20.49		
20	64QAM	50	24	20.59	20.79	20.69	20.59		
20	64QAM	50	50	20.50	20.62	20.65	20.53		
20	64QAM	100	0	20.52	20.71	20.66	20.58	19.3	4.5
20	256QAM	1	0	17.34	17.65	17.39	17.35		
20	256QAM	1	49	17.74	17.79	17.72	17.69		
20	256QAM	1	99	17.55	17.81	17.70	17.50		
20	256QAM	50	0	17.68	18.05	17.63	17.76	19.3	4.5
20	256QAM	50	24	17.88	18.06	18.06	17.88		
20	256QAM	50	50	17.76	18.07	18.00	17.81		
20	256QAM	100	0	17.66	17.85	17.80	17.52		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.99	22.91	22.82	23.21	23.8	0
15	QPSK	1	37	23.27	23.12	23.04	23.39		
15	QPSK	1	74	23.19	23.08	23.01	23.26		
15	QPSK	36	0	22.32	22.35	22.08	22.43		
15	QPSK	36	20	22.39	22.41	22.16	22.50	22.8	1
15	QPSK	36	36	22.34	22.29	22.17	22.49		
15	QPSK	75	0	22.32	22.32	22.13	22.45		
15	16QAM	1	0	22.14	22.48	22.19	22.61		
15	16QAM	1	37	22.37	22.51	22.41	22.73	22.8	1
15	16QAM	1	74	22.22	22.32	22.42	22.66		
15	16QAM	36	0	21.02	21.25	21.15	21.46		
15	16QAM	36	20	21.07	21.33	21.20	21.51		
15	16QAM	36	36	21.06	21.24	21.19	21.47	21.8	2
15	16QAM	75	0	21.03	21.18	21.15	21.45		
15	64QAM	1	0	21.03	21.29	21.14	21.28		
15	64QAM	1	37	21.25	21.32	21.29	21.47		
15	64QAM	1	74	21.19	21.22	21.24	21.38	20.8	3
15	64QAM	36	0	20.02	20.14	20.13	20.54		
15	64QAM	36	20	20.09	20.24	20.21	20.61		
15	64QAM	36	36	20.07	20.15	20.16	20.56		
15	64QAM	75	0	20.04	20.20	20.15	20.59	19.3	4.5
15	256QAM	1	0	17.34	17.52	17.37	17.52		
15	256QAM	1	37	17.46	17.49	17.46	17.68		
15	256QAM	1	74	17.47	17.50	17.52	17.66		
15	256QAM	36	0	17.39	17.32	17.31	17.51	19.3	4.5
15	256QAM	36	20	17.36	17.39	17.56	17.63		
15	256QAM	36	36	17.37	17.64	17.65	17.57		
15	256QAM	75	0	17.32	17.38	17.33	17.76		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.75	22.81	22.88	22.90	23.8	0
10	QPSK	1	25	23.17	23.25	23.16	23.24		
10	QPSK	1	49	23.14	23.13	23.12	23.11		
10	QPSK	25	0	22.03	22.24	22.17	22.18		
10	QPSK	25	12	22.19	22.33	22.22	22.34	22.8	1
10	QPSK	25	25	22.22	22.13	22.16	22.32		
10	QPSK	50	0	22.24	22.09	22.13	22.27		
10	16QAM	1	0	22.33	22.26	22.21	22.22		
10	16QAM	1	25	22.28	22.17	22.46	22.60	22.8	1
10	16QAM	1	49	22.19	22.22	22.33	22.42		
10	16QAM	25	0	21.28	21.32	21.28	21.19		
10	16QAM	25	12	21.32	21.29	21.23	21.39		
10	16QAM	25	25	21.17	21.18	21.19	21.33	21.8	2
10	16QAM	50	0	21.25	21.21	21.17	21.23		
10	64QAM	1	0	21.08	21.12	21.26	20.98		
10	64QAM	1	25	21.32	21.23	21.17	21.38		
10	64QAM	1	49	21.14	21.21	21.09	21.25	20.8	3
10	64QAM	25	0	20.26	20.36	20.32	20.30		
10	64QAM	25	12	20.18	20.22	20.23	20.43		
10	64QAM	25	25	20.09	20.18	20.17	20.42		
10	64QAM	50	0	20.12	20.20	20.06	20.33	19.3	4.5
10	256QAM	1	0	17.39	17.35	17.49	17.32		
10	256QAM	1	25	17.35	17.40	17.34	17.60		
10	256QAM	1	49	17.42	17.49	17.37	17.53		
10	256QAM	25	0	17.33	17.54	17.50	17.57	19.3	4.5
10	256QAM	25	12	17.35	17.67	17.58	17.55		
10	256QAM	25	25	17.39	17.67	17.66	17.73		
10	256QAM	50	0	17.40	17.18	17.34	17.50		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3562.5	3607	3643	3697.5		
5	QPSK	1	0	22.91	22.88	23.01	23.09	23.8	0
5	QPSK	1	12	23.13	23.00	23.19	23.21		
5	QPSK	1	24	23.09	22.95	23.05	23.21		
5	QPSK	12	0	22.23	22.28	22.19	22.26		
5	QPSK	12	7	22.31	22.19	22.07	22.36	22.8	1
5	QPSK	12	13	22.21	22.15	22.12	22.34		
5	QPSK	25	0	22.15	22.07	22.21	22.28		
5	16QAM	1	0	22.13	22.09	22.15	22.35		
5	16QAM	1	12	22.32	22.23	22.26	22.45	22.8	1
5	16QAM	1	24	22.28	22.16	22.29	22.49		
5	16QAM	12	0	21.34	21.24	21.27	21.25		
5	16QAM	12	7	21.32	21.21	21.18	21.36		
5	16QAM	12	13	21.29	21.25	21.13	21.32	21.8	2
5	16QAM	25	0	21.30	21.13	21.10	21.25		
5	64QAM	1	0	21.08	21.17	21.16	21.12		
5	64QAM	1	12	21.14	21.18	21.12	21.27		
5	64QAM	1	24	21.17	21.20	21.15	21.30	20.8	3
5	64QAM	12	0	20.25	20.09	20.18	20.22		
5	64QAM	12	7	20.21	20.11	20.21	20.32		
5	64QAM	12	13	20.12	20.14	20.14	20.33		
5	64QAM	25	0	20.10	20.20	20.09	20.38	19.3	4.5
5	256QAM	1	0	17.32	17.40	17.39	17.36		
5	256QAM	1	12	17.35	17.35	17.36	17.49		
5	256QAM	1	24	17.45	17.48	17.43	17.58		
5	256QAM	12	0	17.32	17.35	17.36	17.49	19.3	4.5
5	256QAM	12	7	17.38	17.46	17.56	17.64		
5	256QAM	12	13	17.32	17.63	17.63	17.64		
5	256QAM	25	0	17.38	17.38	17.37	17.55		

Reduced power level 1 for Head-UAT									
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)		534.2	535.2	536.2		534.2	535.2	536.2	
GSM 1 Tx slot		30.62	30.83	30.63	31.30	21.62	21.83	21.63	22.30
GPRS 1 Tx slot		30.58	30.81	30.59	31.30	21.58	21.81	21.59	22.30
GPRS 2 Tx slots		29.03	29.20	28.92	29.80	23.03	23.20	22.92	23.80
GPRS 3 Tx slots		27.33	27.53	27.32	28.30	23.07	23.27	23.06	24.04
GPRS 4 Tx slots		26.12	26.37	26.05	27.00	23.12	23.37	23.05	24.00
EDGE 1 Tx slot		24.63	24.52	24.81	25.30	15.63	15.52	15.91	16.30
EDGE 2 Tx slots		23.03	23.02	23.10	23.30	17.03	17.02	17.10	17.30
EDGE 3 Tx slots		21.80	21.98	21.73	22.30	17.54	17.70	17.47	18.04
EDGE 4 Tx slots		21.03	21.19	21.27	21.70	16.03	16.19	16.27	16.70

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		22.10	22.32	22.26	23.30	13.10	13.32	13.26	14.30
GPRS 1 Tx slot		22.09	22.29	22.24	23.30	13.09	13.29	13.24	14.30
GPRS 2 Tx slots		19.56	19.84	19.66	20.80	13.56	13.84	13.66	14.80
GPRS 3 Tx slots		18.64	18.90	18.75	19.50	14.38	14.64	14.49	15.24
GPRS 4 Tx slots		17.08	17.30	17.27	18.00	14.08	14.30	14.27	15.00
EDGE 1 Tx slot		18.08	17.88	17.89	18.80	9.08	8.88	8.89	9.80
EDGE 2 Tx slots		16.62	17.00	16.99	17.70	10.62	11.00	10.99	11.70
EDGE 3 Tx slots		15.59	15.61	15.36	16.60	11.33	11.35	11.10	12.34
EDGE 4 Tx slots		14.45	14.53	14.56	15.60	11.45	11.53	11.56	12.60

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		5262	5400	5538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	13.04	12.84	12.89	14.30	13.44	13.50	13.58	14.80	20.56	20.55	20.52	21.30
3GPP Rel 99	RMC 12.2Kbps	13.05	12.86	12.94	14.30	13.46	13.53	13.61	14.80	20.61	20.57	20.55	21.30
3GPP Rel 6	HSDPA Subtest-1	12.28	12.35	12.35	13.30	12.29	12.47	12.44	13.80	19.53	19.63	19.64	20.30
3GPP Rel 6	HSDPA Subtest-2	12.31	12.38	12.34	13.30	12.28	12.43	12.45	13.80	19.28	19.62	19.63	20.30
3GPP Rel 6	HSDPA Subtest-3	11.76	11.87	11.87	12.80	11.83	11.94	11.91	13.30	19.03	18.76	19.11	19.80
3GPP Rel 6	HSDPA Subtest-4	11.75	11.85	11.85	12.80	11.81	11.91	11.94	13.30	19.05	19.12	19.12	19.80
3GPP Rel 6	DC-HSDPA Subtest-1	12.27	12.30	12.28	13.30	12.30	12.34	12.41	13.80	19.51	19.61	19.63	20.30
3GPP Rel 6	DC-HSDPA Subtest-2	12.23	12.28	12.25	13.30	12.28	12.31	12.38	13.80	19.23	19.54	19.60	20.30
3GPP Rel 6	DC-HSDPA Subtest-3	11.72	11.75	11.69	12.80	11.85	11.90	11.93	13.30	19.00	19.77	19.11	19.80
3GPP Rel 6	DC-HSDPA Subtest-4	11.65	11.74	11.70	12.80	11.82	11.87	11.90	13.30	19.02	19.14	19.10	19.80
3GPP Rel 6	HSUPA Subtest-1	12.24	12.36	12.37	13.30	12.31	12.46	12.43	13.80	19.37	19.45	19.46	20.30
3GPP Rel 6	HSUPA Subtest-2	10.28	10.36	10.37	11.30	10.31	10.47	10.48	11.80	17.10	17.45	17.48	18.30
3GPP Rel 6	HSUPA Subtest-3	11.26	11.37	11.39	12.30	11.36	11.45	11.47	12.80	18.44	18.12	18.50	19.30
3GPP Rel 6	HSUPA Subtest-4	10.28	10.37	10.35	11.30	10.33	10.45	10.41	11.80	17.45	17.44	17.49	18.30
3GPP Rel 6	HSUPA Subtest-5	12.24	12.34	12.44	13.30	12.02	12.42	12.42	13.80	18.94	18.99	19.13	20.30
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	10.41	10.44	10.39	11.30	10.47	10.64	10.53	11.80	17.57	17.48	17.53	18.30

Band		CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel		1913	394	777		25	609	1175		476	590	684	
Frequency (MHz)		824.7	836.52	848.31		1951.25	1980	1968.75		817.9	820.5	823.1	
RC1 505S		22.03	22.05	22.00	22.80	13.62	13.65	13.72	14.80	21.24	21.26	21.13	21.80
RC3 505S		22.02	22.04	21.99	22.80	13.59	13.61	13.71	14.80	21.23	21.25	21.12	21.80
RC3 5032 (F+SCH)		21.99	22.02	21.98	22.80	13.58	13.60	13.70	14.80	21.22	21.24	21.11	21.80
RC3 5035 (F+SCH)		21.98	21.99	21.96	22.80	13.53	13.59	13.68	14.80	21.21	21.24	21.10	21.80
RTAP 151 160bps		21.93	21.97	21.95	22.80	13.51	13.59	13.67	14.80	21.21	21.23	21.09	21.80
RETAP 4096bps		21.91	21.96	21.93	22.80	13.50	13.57	13.65	14.80	21.20	21.23	21.09	21.80

PN	Modulation	Rate	FS (GHz)	Power dBm	Power dBm 100m	Power dBm 100m	Frequency offset (MHz)	SNR (dB)
Channel								
30	QPSK	1	0	15.94	15.96	15.95		
15	QPSK	1	40	12.52	12.40	12.55	13.3	0
10	QPSK	1	80	12.39	12.49	12.48		
5	QPSK	1	160	12.44	12.22	12.50		
10	QPSK	50	24	12.26	12.34	12.32		
5	QPSK	50	50	12.23	12.25	12.27		
10	QPSK	1	0	12.25	12.14	12.24		
20	QPSK	1	0	12.29	12.31	12.31		
20	QPSK	1	40	12.21	12.30	12.28	13.3	0
20	QPSK	1	80	12.17	12.17	12.19		
20	QPSK	50	0	12.23	12.21	12.23		
20	QPSK	50	25	12.26	12.36	12.30		
20	QPSK	50	50	12.25	12.25	12.25		
20	QPSK	1	40	12.24	12.33	12.22		
20	QPSK	1	80	12.20	12.31	12.18		
20	QPSK	50	50	12.16	12.22	12.14		
20	QPSK	50	50	12.15	12.15	12.11		
20	QPSK	50	0	11.93	12.06	11.87		
20	QPSK	50	0	12.16	12.27	12.17	13.3	0
20	QPSK	50	0	12.25	12.25	12.25		
20	QPSK	1	100	0	12.13	12.12	16.8	
Channel								
Frequency (MHz)				1803.5	1800	1807.5	Frequency offset (MHz)	SNR (dB)
15	QPSK	1	0	11.99	12.16	12.30		
15	QPSK	1	20	12.23	12.30	12.30	13.3	0
15	QPSK	1	20	11.88	12.28	12.31		
15	QPSK	36	0	12.11	12.20	12.18		
15	QPSK	36	0	12.37	12.37	12.37		
15	QPSK	36	90	12.19	12.25	12.25	13.3	0
15	QPSK	75	0	12.18	12.29	12.22		
15	QPSK	75	0	12.57	12.58	12.58		
15	QPSK	1	0	12.47	12.58	12.55	13.3	0
15	QPSK	1	74	12.32	12.52	12.49		
15	QPSK	36	12	12.35	12.45	12.41		
15	QPSK	36	20	12.27	12.35	12.27		
15	QPSK	36	25	12.26	12.30	12.26		
15	QPSK	36	50	12.22	12.30	12.22		
15	QPSK	1	0	12.01	12.32	12.32	13.3	0
15	QPSK	1	0	12.33	12.40	12.33		
15	QPSK	1	74	12.04	12.15	12.04		
15	QPSK	36	0	12.11	12.25	12.15		
15	QPSK	36	0	12.08	12.22	12.18	13.3	0
15	QPSK	36	0	12.14	12.25	12.15		
15	QPSK	36	0	12.11	12.25	12.15		
15	QPSK	36	0	12.11	12.24	12.13		
15	QPSK	1	74	11.85	12.34	12.34	13.3	0
15	QPSK	36	20	11.81	12.00	11.83		
15	QPSK	36	20	12.11	12.29	12.01		
15	QPSK	36	20	12.02	12.23	12.12		
15	QPSK	36	20	12.19	12.19	12.19		
Channel								
Frequency				26050	26040	26060	Frequency offset (MHz)	SNR (dB)
10	QPSK	1	0	11.77	11.86	11.52		
10	QPSK	1	20	11.97	12.09	12.07	13.3	0
10	QPSK	1	40	11.73	11.89	12.08		
10	QPSK	1	80	11.97	12.11	12.11		
10	QPSK	25	12	11.99	12.15	12.13		
10	QPSK	25	25					

Table 1

Ref. ID	Modulation	RF Size	RF Offset	Power Level dBm	Power Margin dB	Power High dBm	Turn-on Time (sec)	APN (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.24	18.22	18.26		
20	QPSK	1	48	18.26	18.22	18.22		18.8
20	QPSK	1	96	18.23	18.41	18.16		
20	QPSK	50	0	18.31	18.32	18.32		
20	QPSK	50	24	18.30	18.27	18.30		18.8
20	QPSK	50	50	18.32	18.30	18.27		
20	QPSK	100	0	18.30	18.30	18.30		
20	16QAM	1	0	18.26	18.22	18.30		
20	16QAM	1	48	18.28	18.14	18.17		18.8
20	16QAM	1	96	18.01	18.22	18.1		
20	16QAM	50	0	18.04	18.05	17.99		
20	16QAM	50	24	18.08	17.89	17.82		18.8
20	16QAM	50	50	17.93	17.82	17.8		
20	16QAM	100	0	17.91	17.81	17.8		
20	16QAM	1	0	18.12	17.88	18.17		
20	16QAM	1	48	18.01	18.32	17.89		18.8
20	16QAM	1	96	18.34	18.20	18.11		
20	16QAM	50	0	18.08	18.05	18.05		
20	16QAM	50	24	18.10	18.03	17.88		18.8
20	16QAM	50	50	18.07	17.85	17.89		
20	16QAM	100	0	17.95	17.77	17.89		
20	16QAM	1	0	17.85	17.85	17.79		
20	16QAM	1	48	17.85	18.10	17.88		18.8
20	16QAM	1	96	17.77	17.80	17.82		
20	16QAM	50	0	17.89	17.83	17.81		
20	16QAM	50	24	17.79	17.85	17.75		18.8
20	16QAM	50	50	17.81	17.84	17.85		
20	16QAM	100	0	17.89	17.72	17.77		
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.30	18.27	18.28		
15	QPSK	1	37	18.23	18.17	18.10		18.8
15	QPSK	1	74	18.22	18.14	18.13		
15	QPSK	36	0	18.34	18.34	18.29		
15	QPSK	36	20	18.39	18.30	18.20		18.8
15	QPSK	36	36	18.38	18.32	18.30		
15	QPSK	72	0	18.37	18.24	18.27		
15	16QAM	1	0	18.28	18.27	18.28		
15	16QAM	1	37	18.24	18.27	18.30		18.8
15	16QAM	1	74	18.22	18.35	18.28		
15	16QAM	36	0	18.28	18.07	18.01		
15	16QAM	36	20	18.39	18.05	18.04		18.8
15	16QAM	36	36	18.32	18.03	17.87		
15	16QAM	72	0	18.20	17.86	17.88		
15	16QAM	1	0	18.15	18.17	18.14		
15	16QAM	1	37	18.14	18.24	18.05		18.8
15	16QAM	1	74	18.21	18.07	18.05		
15	16QAM	36	0	17.97	18.04	18.05		
15	16QAM	36	20	18.00	18.01	17.88		18.8
15	16QAM	36	36	18.10	18.04	17.89		
15	16QAM	72	0	18.01	17.82	17.89		
15	16QAM	1	0	17.88	18.07	17.75		
15	16QAM	1	37	18.05	17.95	17.89		18.8
15	16QAM	1	74	17.84	17.78	17.74		
15	16QAM	36	0	17.77	17.82	17.81		
15	16QAM	36	20	17.78	17.88	17.78		18.8
15	16QAM	36	36	17.84	18.03	17.87		
15	16QAM	72	0	17.75	17.87	17.88		
Channel								
Frequency (MHz)								
10	QPSK	1	0	18.20	18.12	18.10		
10	QPSK	1	25	18.04	18.01	18.02		18.8
10	QPSK	1	49	18.15	18.18	18.07		
10	QPSK	25	0	18.14	18.13	18.08		
10	QPSK	25	12	18.22	18.14	18.11		18.8
10	QPSK	25	25	18.12	18.10	18.18		
10	QPSK	50	0	18.08	17.89	17.88		
10	16QAM	1	0	18.22	18.37	18.21		
10	16QAM	1	25	18.28	18.26	18.20		18.8
10	16QAM	1	49	18.20	18.30	18.32		
10	16QAM	25	0	18.15	18.14	18.01		
10	16QAM	25	12	18.18	18.17	18.03		18.8
10	16QAM	25	25	18.04	18.08	18.10		
10	16QAM	50	0	18.07	18.02	17.84		
10	16QAM	1	0	18.01	18.10	18.11		
10	16QAM	1	25	18.11	18.00	18.01		18.8
10	16QAM	1	49	17.99	18.08	17.89		
10	16QAM	25	0	17.83	17.87	17.79		
10	16QAM	25	12	17.89	17.84	17.81		18.8
10	16QAM	25	25	17.95	17.87	17.88		
10	16QAM	50	0	17.82	17.80	17.69		
10	16QAM	1	0	17.74	18.09	17.75		18.8
10	16QAM	1	25	18.08	18.04	17.89		
10	16QAM	1	49	17.71	18.08	17.89		
10	16QAM	25	0	17.83	17.73	17.65		18.8
10	16QAM	25	12	17.88	17.71	17.68		
10	16QAM	25	25	17.96	17.86	17.88		
10	16QAM	50	0	17.88	17.79	17.68		
Channel								
Frequency (MHz)								
5	QPSK	1	0	18.08	17.99	17.85		
5	QPSK	1	12	18.05	17.89	17.87		18.8
5	QPSK	1	24	18.03	18.05	17.89		
5	QPSK	12	0	18.11	18.03	17.89		
5	QPSK	12	7	18.16	18.14	18.04		18.8
5	QPSK	12	13	18.13	18.20	18.00		
5	QPSK	25	0	18.15	18.17	18.01		
5	16QAM	1	0	18.25	18.27	18.22		
5	16QAM	1	12	18.21	18.35	18.20		18.8
5	16QAM	1	24	18.18	18.20	18.20		
5	16QAM	12	0	18.18	18.12	18.02		
5	16QAM	12	7	18.28	18.23	18.11		18.8
5	16QAM	12	13	18.22	18.19	18.12		
5	16QAM	25	0	18.14	18.11	17.89		
5	16QAM	1	0	17.98	17.89	17.81		18.8
5	16QAM	1	12	18.00	17.84	18.08		
5	16QAM	1	24	18.20	17.85	17.82		
5	16QAM	12	0	17.84	17.89	17.89		
5	16QAM	12	7	17.95	17.84	17.78		18.8
5	16QAM	12	13	17.91	17.88	17.79		
5	16QAM	25	0	17.83	17.86	17.78		
5	16QAM	1	0	17.89	17.87	17.53		
5	16QAM	1	12	17.94	17.59	17.89		18.8
5	16QAM	1	24	17.83	17.84	17.85		
5	16QAM	12	0	17.84	17.88	17.46		
5	16QAM	12	7	17.84	17.81	17.85		18.8
5	16QAM	12	13	17.85	17.85	17.68		
5	16QAM	25	0	17.97	17.85	17.85		

LTE Band 38									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				2750	3800	3810			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	0	15.07	15.00	14.94			
20	QPSK	1	49	15.20	15.11	15.15	18.1	0	
20	QPSK	1	99	15.35	15.15	15.15			
20	QPSK	50	0	15.01	14.98	15.01			
20	QPSK	50	24	15.25	14.98	15.19			
20	QPSK	50	50	14.99	14.80	14.82	18.1	0	
20	QPSK	100	0	14.88	14.80	14.80			
20	16QAM	1	0	15.13	15.08	14.98			
20	16QAM	1	49	15.10	15.04	15.12	18.1	0	
20	16QAM	1	99	15.23	15.18	15.09			
20	16QAM	50	0	14.87	14.73	14.74			
20	16QAM	50	24	15.10	14.84	14.80			
20	16QAM	50	50	15.02	14.87	14.89	18.1	0	
20	16QAM	100	0	14.87	14.87	14.77			
20	64QAM	1	0	14.70	14.54	14.64			
20	64QAM	1	49	14.77	14.58	14.77	18.1	0	
20	64QAM	1	99	14.73	14.70	14.78			
20	64QAM	50	0	14.48	14.42	14.55			
20	64QAM	50	24	14.63	14.49	14.66			
20	64QAM	50	50	14.55	14.52	14.60	18.1	0	
20	64QAM	100	0	14.61	14.44	14.57			
20	256QAM	1	0	14.63	14.47	14.57			
20	256QAM	1	49	14.63	14.42	14.63	18.1	0	
20	256QAM	1	99	14.59	14.56	14.64			
20	256QAM	50	0	14.39	14.33	14.46			
20	256QAM	50	24	14.58	14.42	14.59	18.1	0	
20	256QAM	50	50	14.48	14.45	14.53			
20	256QAM	100	0	14.49	14.32	14.45			
Channel				37825	38000	38175	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	14.71	14.75	14.86			
15	QPSK	1	37	14.68	14.86	14.90	18.1	0	
15	QPSK	1	74	14.83	14.90	14.89			
15	QPSK	38	0	14.77	14.73	14.87			
15	QPSK	38	20	14.88	14.92	14.98	18.1	0	
15	QPSK	38	39	14.78	14.85	14.95			
15	QPSK	75	0	14.80	14.84	14.92			
15	16QAM	1	0	14.93	15.04	15.11			
15	16QAM	1	37	15.10	15.03	15.24	18.1	0	
15	16QAM	1	74	15.15	15.10	15.26			
15	16QAM	38	0	14.59	14.93	14.84			
15	16QAM	38	20	14.90	14.71	14.87	18.1	0	
15	16QAM	38	39	14.75	14.82	14.92			
15	16QAM	75	0	14.80	14.81	14.96			
15	64QAM	1	0	14.64	14.48	14.60			
15	64QAM	1	37	14.78	14.72	14.78	18.1	0	
15	64QAM	1	74	14.82	14.60	14.83			
15	64QAM	38	0	14.54	14.89	14.48			
15	64QAM	38	20	14.75	14.58	14.63	18.1	0	
15	64QAM	38	39	14.63	14.57	14.68			
15	64QAM	75	0	14.69	14.53	14.			

BTE Band 41										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2503	25463	2593	26363	26830		
20	QPSK	1	0	14.98	15.27	15.14	15.28	15.27	16.1	0
20	QPSK	1	49	15.10	15.17	15.42	15.29	15.34		
20	QPSK	1	99	15.13	15.24	15.24	15.08	15.34		
20	QPSK	50	0	14.98	15.14	15.22	15.26	15.35	16.1	0
20	QPSK	50	24	15.00	15.24	15.36	15.32	15.33		
20	QPSK	50	50	14.97	15.26	15.35	15.26	15.35		
20	QPSK	100	0	15.03	15.13	15.35	15.24	15.34		
20	16QAM	1	0	15.04	15.27	15.09	15.14	15.20	16.1	0
20	16QAM	1	49	15.00	15.26	15.36	15.30	15.35		
20	16QAM	1	99	15.02	15.37	15.21	14.94	15.34		
20	16QAM	50	0	15.01	15.16	15.23	15.28	15.39	16.1	0
20	16QAM	50	24	15.03	15.29	15.30	15.35	15.33		
20	16QAM	50	50	15.02	15.28	15.34	15.31	15.39		
20	16QAM	100	0	14.96	15.16	15.35	15.24	15.36		
20	64QAM	1	0	15.00	14.95	14.90	14.87	14.85	16.1	0
20	64QAM	1	49	14.84	14.97	15.02	15.06	15.08		
20	64QAM	1	99	14.93	15.00	14.98	14.61	15.10		
20	64QAM	50	0	15.11	15.16	15.23	15.29	15.36	16.1	0
20	64QAM	50	24	15.15	15.29	15.32	15.37	15.35		
20	64QAM	50	50	15.12	15.29	15.35	15.31	15.39		
20	256QAM	100	0	14.94	15.17	15.32	15.27	15.33		
20	256QAM	1	0	14.93	14.88	14.83	14.80	14.78	16.1	0
20	256QAM	1	49	14.70	14.83	14.88	14.92	14.94		
20	256QAM	1	99	14.79	14.86	14.84	14.47	14.96		
20	256QAM	50	0	15.02	15.07	15.14	15.20	15.27	16.1	0
20	256QAM	50	24	15.08	15.22	15.25	15.30	15.28		
20	256QAM	50	50	15.05	15.22	15.28	15.24	15.32		
20	256QAM	100	0	14.82	15.05	15.20	15.15	15.21		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5		
15	QPSK	1	0	14.85	14.89	15.01	15.08	15.15	16.1	0
15	QPSK	1	57	14.84	15.02	15.07	15.03	15.17		
15	QPSK	1	74	14.85	15.00	15.01	15.02	15.16		
15	QPSK	36	0	14.95	15.06	15.21	15.27	15.35	16.1	0
15	QPSK	36	20	14.96	15.26	15.34	15.37	15.34		
15	QPSK	36	39	14.93	15.18	15.31	15.28	15.33		
15	QPSK	75	0	14.92	15.17	15.28	15.30	15.39	16.1	0
15	16QAM	1	0	14.98	15.05	15.21	15.21	15.18		
15	16QAM	1	37	14.95	15.22	15.24	15.28	15.19		
15	16QAM	1	74	15.00	15.09	15.26	15.16	15.12		
15	16QAM	36	0	14.96	15.03	15.22	15.25	15.23	16.1	0
15	16QAM	36	20	1						

LTE Band 41HPU

Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Middle Ch / Freq	Power Middle Ch / Freq	Power High-Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	18.6	0
20	QPSK	1	0	17.95	17.84	17.89	17.74	17.73		
20	QPSK	1	49	17.91	17.96	18.01	18.04	18.03	18.6	0
20	QPSK	1	99	17.92	17.87	18.07	17.83	18.06		
20	QPSK	50	0	17.61	17.64	17.90	17.73	17.73	18.6	0
20	QPSK	50	24	17.86	17.71	18.00	17.91	17.78		
20	QPSK	50	50	17.65	17.69	17.91	17.78	17.76	18.6	0
20	QPSK	100	0	17.61	17.66	17.90	17.78	17.74		
20	16QAM	1	0	17.94	17.83	17.85	17.55	17.57	18.6	0
20	16QAM	1	49	17.85	17.80	17.93	17.93	17.94		
20	16QAM	1	99	17.88	17.91	17.74	17.80	17.94	18.6	0
20	16QAM	50	0	17.72	17.58	17.95	17.75	17.85		
20	16QAM	50	24	17.74	17.85	17.94	17.92	17.95	18.6	0
20	16QAM	50	50	17.75	17.82	17.92	17.88	17.92		
20	16QAM	100	0	17.67	17.69	17.94	17.69	17.97	18.6	0
20	64QAM	1	0	17.39	17.54	17.42	17.44	17.33		
20	64QAM	1	49	17.35	17.51	17.68	17.67	17.74	18.6	0
20	64QAM	1	99	17.49	17.55	17.28	17.35	17.50		
20	64QAM	50	0	17.40	17.48	17.61	17.40	17.58	18.6	0
20	64QAM	50	24	17.41	17.58	17.70	17.54	17.81		
20	64QAM	50	50	17.38	17.60	17.61	17.57	17.80	18.6	0
20	64QAM	100	0	17.32	17.50	17.60	17.45	17.72		
20	256QAM	1	0	16.93	16.96	17.05	16.98	16.75	18.6	0
20	256QAM	1	49	17.07	17.20	17.16	17.09	17.03		
20	256QAM	1	99	16.97	16.76	16.75	16.83	16.91	18.6	0
20	256QAM	50	0	17.11	17.32	17.35	17.11	17.12		
20	256QAM	50	24	17.22	17.01	17.04	17.05	17.20	18.6	0
20	256QAM	50	50	17.28	17.51	17.03	17.47	17.01		
20	256QAM	100	0	17.08	17.36	17.50	17.21	17.58	Channel	
Frequency (MHz)				2593.5	2546.3	2593	2637.6	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.45	17.26	17.32	17.54	17.50	18.6	0
15	QPSK	1	37	17.48	17.44	17.67	17.57	17.45		
15	QPSK	1	74	17.41	17.32	17.57	17.66	17.69	18.6	0
15	QPSK	36	0	17.53	17.42	17.46	17.65	17.65		
15	QPSK	36	20	17.56	17.55	17.62	17.80	17.73	18.6	0
15	QPSK	36	39	17.45	17.39	17.66	17.80	17.73		
15	QPSK	75	0	17.50	17.42	17.62	17.79	17.67	18.6	0
15	16QAM	1	0	17.71	17.41	17.63	17.71	17.60		
15	16QAM	1	37	17.61	17.71	17.80	17.80	17.74	18.6	0
15	16QAM	1	74	17.73	17.54	17.70	17.77	17.74		
15	16QAM	36	0	17.58	17.35	17.51	17.69	17.56	18.6	0
15	16QAM	36	20	17.55	17.51	17.59	17.74	17.68		
15	16QAM	36	39	17.59	17.40	17.70	17.79	17.71	18.6	0
15	16QAM	75	0	17.56	17.44	17.57	17.73	17.58		
15	64QAM	1	0	17.12	17.10	17.10	17.35	17.26	18.6	0
15	64QAM	1	37	17.15	17.36	17.47	17.55	17.51		
15	64QAM	1	74	17.22	17.12	17.32	17.32	17.40	18.6	0
15	64QAM	36	0	17.18	17.26	17.23	17.46	17.41		
15	64QAM	36	20	17.18	17.39	17.34	17.55	17.51	18.6	0
15	64QAM	36	39	17.20	17.32	17.39	17.44	17.54		
15	64QAM	75	0	17.12	17.35	17.26	17.46	17.41	18.6	0
15	256QAM	1	0	16.96	16.82	17.06	17.19	16.98		
15	256QAM	1	37	17.05	17.26	17.07	17.05	17.03	18.6	0
15	256QAM	1	74	17.00	16.91	17.06	17.10	17.19		
15	256QAM	36	0	16.99	17.10	16.97	17.17	17.05	18.6	0
15	256QAM	36	20	16.99	17.32	17.28	17.06	17.04		
15	256QAM	36	39	17.10	17.23	17.31	17.04	17.05	18.6	0
15	256QAM	75	0	16.88	17.21	17.16	17.22	17.27		
Channel										
Frequency (MHz)				2591	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	17.20	16.94	17.12	17.28	17.22	18.6	0
10	QPSK	1	25	17.29	17.21	17.38	17.34	17.42		
10	QPSK	1	49	17.36	17.06	17.31	17.29	17.27	18.6	0
10	QPSK	25	0	17.34	17.22	17.41	17.46	17.44		
10	QPSK	25	12	17.47	17.37	17.50	17.66	17.60	18.6	0
10	QPSK	25	25	17.28	17.28	17.39	17.55	17.57		
10	QPSK	50	0	17.34	17.30	17.29	17.58	17.40	18.6	0
10	16QAM	1	0	17.59	17.32	17.38	17.53	17.61		
10	16QAM	1	25	17.51	17.56	17.64	17.53	17.74	18.6	0
10	16QAM	1	49	17.45	17.31	17.47	17.65	17.54		
10	16QAM	25	0	17.44	17.41	17.49	17.45	17.60	18.6	0
10	16QAM	25	12	17.42	17.39	17.50	17.60	17.65		
10	16QAM	25	25	17.30	17.30	17.52	17.60	17.63	18.6	0
10	16QAM	50	0	17.37	17.35	17.47	17.62	17.58		
10	64QAM	1	0	17.01	16.99	17.00	17.12	17.12	18.6	0
10	64QAM	1	25	16.93	17.23	17.31	17.38	17.35		
10	64QAM	1	49	17.02	17.00	17.08	17.17	17.07	18.6	0
10	64QAM	25	0	17.00	17.23	17.15	17.30	17.32		
10	64QAM	25	12	17.07	17.34	17.26	17.47	17.45	18.6	0
10	64QAM	25	25	17.01	17.25	17.22	17.35	17.32		
10	64QAM	50	0	16.93	17.18	17.09	17.34	17.25	18.6	0
10	256QAM	1	0	16.95	16.71	16.96	16.96	16.98		
10	256QAM	1	25	16.93	17.15	17.11	17.18	17.07	18.6	0
10	256QAM	1	49	16.90	16.79	16.85	16.95	16.86		
10	256QAM	25	0	16.71	17.07	16.89	17.01	17.16	18.6	0
10	256QAM	25	12	16.88	17.07	17.00	17.08	17.08		
10	256QAM	25	25	16.91	17.16	17.14	17.05	17.03	18.6	0
10	256QAM	50	0	16.69	17.04	16.99	17.10	17.11		
Channel										
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	17.32	17.23	17.45	17.54	17.51	18.6	0
5	QPSK	1	12	17.27	17.30	17.44	17.55	17.58		
5	QPSK	1	24	17.25	17.26	17.44	17.60	17.49	18.6	0
5	QPSK	12	0	17.35	17.38	17.46	17.63	17.65		
5	QPSK	12	7	17.39	17.47	17.54	17.60	17.64	18.6	0
5	QPSK	12	13	17.36	17.42	17.55	17.65	17.60		
5	QPSK	25	0	17.37	17.39	17.43	17.57	17.59	18.6	0
5	16QAM	1	0	17.63	17.42	17.58	17.75	17.74		
5	16QAM	1	12	17.46	17.44	17.62	17.80	17.69	18.6	0
5	16QAM	1	24	17.56	17.47	17.68	17.76	17.73		
5	16QAM	12	0	17.50	17.39	17.52	17.67	17.71	18.6	0
5	16QAM	12	7	17.43	17.48	17.49	17.68	17.74		
5	16QAM	12	13	17.46	17.46	17.59	17.72	17.64	18.6	0
5	16QAM	25	0	17.42	17.42	17.55	17.64	17.59		
5	64QAM	1	0	16.99	17.17	17.15	17.33	17.35	18.6	0
5	64QAM	1	12	16.96	17.25	17.26	17.37	17.39		
5	64QAM	1	24	16.98	17.25	17.27	17.37	17.37	18.6	0
5	64QAM	12	0	16.99	17.26	17.18	17.32	17.36		
5	64QAM	12	7	17.04	17.27	17.26	17.38	17.40	18.6	0
5	64QAM	12	13	17.03	17.27	17.27	17.40	17.34		
5	64QAM	25	0	17.02	17.31	17.22	17.33	17.39	18.6	0
5	256QAM	1								

TE Band 48									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	14.03	14.10	14.06	14.05	14.8	0
20	QPSK	1	49	14.22	14.41	14.23	14.30		
20	QPSK	1	99	14.06	14.14	14.00	14.04		
20	QPSK	50	0	14.09	14.23	14.11	14.31		
20	QPSK	50	24	14.21	14.39	14.28	14.29	14.8	0
20	QPSK	50	50	14.07	14.31	14.20	14.22		
20	QPSK	100	0	14.04	14.30	14.19	14.22		
20	16QAM	1	0	14.08	14.40	14.24	14.16		
20	16QAM	1	49	14.36	14.38	14.33	14.20	14.8	0
20	16QAM	1	99	14.24	14.34	14.39	14.21		
20	16QAM	50	0	14.02	14.20	14.07	14.10		
20	16QAM	50	24	14.11	14.25	14.21	14.19		
20	16QAM	50	50	14.03	14.16	14.19	14.15	14.8	0
20	16QAM	100	0	14.01	14.19	14.18	14.15		
20	64QAM	1	0	14.02	14.11	14.05	14.00		
20	64QAM	1	49	14.22	14.31	14.24	14.16	14.8	0
20	64QAM	1	99	14.06	14.02	14.11	14.01		
20	64QAM	50	0	14.10	14.36	14.24	14.14		
20	64QAM	50	24	14.24	14.34	14.34	14.24		
20	64QAM	50	50	14.15	14.27	14.30	14.18	14.8	0
20	64QAM	100	0	14.17	14.36	14.31	14.23		
20	256QAM	1	0	13.89	13.98	13.97	14.09		
20	256QAM	1	49	13.95	13.99	13.93	14.18	14.8	0
20	256QAM	1	99	13.96	14.01	13.96	14.24		
20	256QAM	50	0	14.02	13.86	13.95	14.25		
20	256QAM	50	24	13.98	13.88	13.98	14.17		
20	256QAM	50	50	13.89	13.91	13.91	14.10	14.8	0
20	256QAM	100	0	13.87	13.97	13.86	14.01		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	14.07	14.09	14.00	14.09	14.8	0
15	QPSK	1	37	14.15	14.00	14.02	14.27		
15	QPSK	1	74	14.07	14.02	14.09	14.16		
15	QPSK	36	0	14.10	14.13	14.06	14.31		
15	QPSK	36	20	14.17	14.19	14.06	14.26	14.8	0
15	QPSK	36	39	14.12	14.07	14.09	14.27		
15	QPSK	75	0	14.10	14.10	14.01	14.23		
15	16QAM	1	0	14.10	14.26	14.07	14.29		
15	16QAM	1	37	14.15	14.29	14.19	14.21	14.8	0
15	16QAM	1	74	14.00	14.10	14.20	14.24		
15	16QAM	36	0	13.71	13.94	14.04	14.15		
15	16QAM	36	20	13.76	14.02	14.09	14.20		
15	16QAM	36	39	13.75	13.93	14.08	14.16	14.8	0
15	16QAM	75	0	13.72	13.87	14.04	14.14		
15	64QAM	1	0	13.72	13.98	14.03	14.07		
15	64QAM	1	37	13.94	14.01	14.08	14.16	14.8	0
15	64QAM	1	74	13.88	13.91	14.03	14.07		
15	64QAM	36	0	13.87	13.79	14.08	14.19		
15	64QAM	36	20	13.84	13.89	14.06	14.26		
15	64QAM	36	39	13.82	13.80	14.01	14.21	14.8	0
15	64QAM	75	0	13.89	13.85	14.00	14.24		
15	256QAM	1	0	13.84	13.88	14.02	14.17		
15	256QAM	1	37	14.06	13.99	13.93	14.09	14.8	0
15	256QAM	1	74	13.90	13.97	13.85	14.06		
15	256QAM	36	0	13.98	14.08	14.04	13.91		
15	256QAM	36	20	13.90	13.94	13.95	14.03		
15	256QAM	36	39	13.81	13.90	13.89	13.97	14.8	0
15	256QAM	75	0	13.84	13.92	13.78	14.16		
Channel				55290	55815	56165	56660	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	13.63	13.69	13.76	14.08	14.8	0
10	QPSK	1	25	14.05	14.13	14.04	14.12		
10	QPSK	1	49	14.02	14.01	14.00	14.09		
10	QPSK	25	0	13.81	14.02	13.95	14.06		
10	QPSK	25	12	13.97	14.11	14.00	14.12	14.8	0
10	QPSK	25	25	14.00	13.91	13.94	14.10		
10	QPSK	50	0	14.02	13.87	13.91	14.05		
10	16QAM	1	0	14.11	14.04	13.99	14.00		
10	16QAM	1	25	14.06	13.95	14.24	14.18	14.8	0
10	16QAM	1	49	13.97	14.00	14.11	14.20		
10	16QAM	25	0	13.97	14.01	13.97	14.08		
10	16QAM	25	12	14.01	13.98	13.92	14.08		
10	16QAM	25	25	13.86	13.87	13.88	14.02	14.8	0
10	16QAM	50	0	13.94	13.90	13.86	14.02		
10	64QAM	1	0	13.77	13.81	13.95	14.07		
10	64QAM	1	25	14.01	13.92	13.86	14.07		
10	64QAM	1	49	13.83	13.90	13.78	14.04	14.8	0
10	64QAM	25	0	13.91	14.01	13.97	14.05		
10	64QAM	25	12	13.83	13.87	13.88	14.08		
10	64QAM	25	25	13.74	13.83	13.82	14.07		
10	64QAM	50	0	13.77	13.85	13.71	14.08	14.8	0
10	256QAM	1	0	13.89	13.96	13.92	13.87		
10	256QAM	1	25	13.96	14.05	13.98	14.25		
10	256QAM	1	49	13.93	13.89	13.98	13.93		
10	256QAM	25	0	13.97	14.10	13.98	13.97	14.8	0
10	256QAM	25	12	13.98	14.08	14.08	13.95		
10	256QAM	25	25	14.02	14.01	14.17	14.13		
10	256QAM	50	0	13.91	14.10	14.05	13.90		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	13.79	13.76	13.89	14.07	14.8	0
5	QPSK	1	12	14.01	13.88	14.07	14.14		
5	QPSK	1	24	13.97	13.83	13.93	14.09		
5	QPSK	12	0	14.01	14.06	13.97	14.14		
5	QPSK	12	7	14.09	13.97	13.85	14.14	14.8	0
5	QPSK	12	13	13.99	13.93	13.90	14.12		
5	QPSK	25	0	13.93	13.85	13.99	14.06		
5	16QAM	1	0	13.91	13.87	13.93	14.13		
5	16QAM	1	12	14.10	14.01	14.04	14.23	14.8	0
5	16QAM	1	24	14.06	13.94	14.07	14.27		
5	16QAM	12	0	14.03	13.93	13.96	14.04	14.8	0
5	16QAM	12	7	14.01	13.90	13.87	14.05		
5	16QAM	13	13	13.96	13.94	13.82	14.01		
5	16QAM	25	0	13.99	13.82	13.79	14.04		
5	64QAM	1	0	13.77	13.86	13.85	14.01	14.8	0
5	64QAM	1	12	13.83	13.87	13.81	14.06		
5	64QAM	1	24	13.86	13.89	13.84	14.09		
5	64QAM	12	0	13.90	13.74	13.83	14.07		
5	64QAM	12	7	13.86	13.76	13.86	14.07	14.8	0
5	64QAM	12	13	13.77	13.79	13.79	14.08		
5	64QAM	25	0	13.75	13.85	13.74	14.03	14.8	0
5	256QAM	1	0	13.69	13.95	14.00	14.01		
5	256QAM	1	12	13.91	13.86	14.05	14.14		
5	256QAM	1	24	13.85	13.98	14.00	13.98		
5	256QAM	12	0	13.84	13.76	14.05	14.14	14.8	0
5	256QAM	12	7	13.81	13.86	14.03	14.04		
5	256QAM	12	13	13.79	13.77	13.98	14.04		
5	256QAM	25	0	13.86	13.82	13.97	13.95		

Reduced power level 2/4 for Head-UAT									
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	848.6	(dBm)	824.2	836.4	848.6	(dBm)
GSM 1 Tx slot		28.17	28.20	28.18	28.80	19.17	19.20	19.16	19.80
GPRS 1 Tx slot		28.05	28.17	28.15	28.80	19.05	19.17	19.15	19.80
GPRS 2 Tx slots		26.46	26.65	26.58	27.30	20.46	20.65	20.58	21.30
GPRS 3 Tx slots		24.94	25.01	25.00	25.80	20.68	20.75	20.74	21.54
GPRS 4 Tx slots		23.47	23.74	23.55	24.50	20.47	20.74	20.55	21.50
EDGE 1 Tx slot		22.10	22.17	22.15	22.80	13.10	13.17	13.15	13.80
EDGE 2 Tx slots		20.46	20.57	20.53	20.80	14.46	14.57	14.53	14.80
EDGE 3 Tx slots		19.32	19.56	19.43	19.80	15.06	15.30	15.17	15.54
EDGE 4 Tx slots		18.58	18.82	18.89	19.20	15.58	15.82	15.69	16.20
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot		20.89	20.75	20.89	21.80	11.89	11.75	11.89	12.80
GPRS 1 Tx slot		20.69	20.78	20.80	21.80	11.69	11.78	11.80	12.80
GPRS 2 Tx slots		18.03	18.34	18.14	19.30	12.03	12.34	12.14	13.30
GPRS 3 Tx slots		16.93	17.23	16.91	18.00	12.67	12.97	12.65	13.74
GPRS 4 Tx slots		15.42	15.73	15.56	16.50	12.42	12.73	12.56	13.50
EDGE 1 Tx slot		16.54	16.82	16.67	17.30	7.54	7.82	7.57	8.30
EDGE 2 Tx slots		14.73	14.64	14.97	16.20	8.73	8.64	8.97	10.20
EDGE 3 Tx slots		13.63	14.03	13.88	15.10	9.37	9.77	9.62	10.84
EDGE 4 Tx slots		12.44	12.66	12.68	14.10	9.44	9.66	9.68	11.10

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		5262	5400	5538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	12.22	12.02	12.07	13.30	12.68	12.74	12.82	13.80	19.74	19.71	19.68	20.30
3GPP Rel 99	RMC 12.2Kbps	12.24	12.04	12.12	13.30	12.70	12.77	12.85	13.80	19.77	19.73	19.71	20.30
3GPP Rel 6	HSDPA Subtest-1	11.46	11.54	11.53	12.30	11.53	11.71	11.69	12.80	18.69	18.79	18.80	19.30
3GPP Rel 6	HSDPA Subtest-2	11.49	11.56	11.52	12.30	11.52	11.67	11.69	12.80	18.44	18.76	18.79	19.30
3GPP Rel 6	HSDPA Subtest-3	10.94	11.05	11.05	11.80	11.07	11.18	11.15	12.30	18.19	17.92	18.27	18.80
3GPP Rel 6	HSDPA Subtest-4	10.93	11.03	11.03	11.80	11.05	11.15	11.18	12.30	18.21	18.28	18.28	18.80
3GPP Rel 8	DC-HSDPA Subtest-1	11.45	11.48	11.46	12.30	11.54	11.58	11.65	12.80	18.67	18.77	18.79	19.30
3GPP Rel 8	DC-HSDPA Subtest-2	11.41	11.46	11.43	12.30	11.50	11.55	11.62	12.80	18.39	18.70	18.79	19.30
3GPP Rel 8	DC-HSDPA Subtest-3	10.90	10.93	10.87	11.80	11.09	11.14	11.17	12.30	18.16	17.93	18.27	18.80
3GPP Rel 8	DC-HSDPA Subtest-4	10.83	10.92	10.88	11.80	11.06	11.11	11.14	12.30	18.18	18.30	18.26	18.80
3GPP Rel 6	HSUPA Subtest-1	11.42	11.54	11.55	12.30	11.55	11.70	11.67	12.80	18.53	18.61	18.62	19.30
3GPP Rel 6	HSUPA Subtest-2	9.46	9.54	9.55	10.30	9.55	9.71	9.72	10.80	16.26	16.61	16.64	17.30
3GPP Rel 6	HSUPA Subtest-3	10.44	10.55	10.57	11.30	10.80	10.89	10.71	11.80	17.60	17.28	17.06	18.30
3GPP Rel 6	HSUPA Subtest-4	9.46	9.55	9.53	10.30	9.57	9.69	9.65	10.80	16.61	16.60	16.65	17.30
3GPP Rel 6	HSUPA Subtest-5	11.42	11.62	11.62	12.30	11.26	11.68	11.66	12.80	18.10	18.15	18.29	19.30
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	9.59	9.82	9.57	10.30	9.71	9.88	9.77	10.80	16.73	16.64	16.69	17.30

Band		CDMA BC9			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel		1013	384	777		25	690	1175		476	580	684	
Frequency (MHz)		824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 S05S		19.53	19.55	19.50	20.30	12.12	12.15	12.22	13.30	20.24	20.26	20.13	20.80
RC3 S05S		19.52	19.54	19.49	20.30	12.09	12.11	12.21	13.30	20.23	20.25	20.12	20.80
RC3 S032 (F-RCH)		19.49	19.52	19.48	20.30	12.08	12.10	12.20	13.30	20.22	20.24	20.11	20.80
RC3 S032 (F-RCH)		19.48	19.49	19.46	20.30	12.03	12.09	12.18	13.30	20.21	20.24	20.10	20.80
RTAP 153.6Kbps		19.43	19.47	19.45	20.30	12.01	12.08	12.17	13.30	20.21	20.23	20.09	20.80
RETAP 4096Bps		19.41	19.46	19.43	20.30	12.00	12.07	12.15	13.30	20.20	20.23	20.09	20.80

Reduced power level 3 for Head-UAT									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	126	189	261		126	189	261		
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6		
Frequency (MHz)	29.67	29.70	29.68	30.30	29.67	29.70	29.68	30.30	
GSM 1 Tx slot	29.67	29.70	29.68	30.30	29.67	29.70	29.68	30.30	
GPRS 1 Tx slot	29.55	29.67	29.65	30.30	20.55	20.67	20.65	21.30	
GPRS 2 Tx slot	27.96	28.15	28.08	28.80	21.96	22.15	22.08	22.80	
GPRS 3 Tx slots	26.34	26.51	26.50	27.30	22.08	22.25	22.24	23.04	
GPRS 4 Tx slots	24.97	25.24	25.05	26.00	21.97	22.24	22.05	23.00	
EDGE 1 Tx slot	23.60	23.67	23.65	24.30	14.60	14.67	14.65	15.30	
EDGE 2 Tx slots	21.96	22.07	22.03	22.30	15.96	16.07	16.03	16.30	
EDGE 3 Tx slots	20.62	21.08	20.93	21.30	16.58	16.80	16.67	17.04	
EDGE 4 Tx slots	20.08	20.32	20.19	20.70	17.08	17.32	17.19	17.70	

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	1650.2	1660	1669.8		1650.2	1660	1669.8		
Frequency (MHz)	22.10	22.32	22.26	23.30	13.10	13.32	13.26	14.30	
GSM 1 Tx slot	22.09	22.29	22.24	23.30	13.09	13.29	13.24	14.30	
GPRS 1 Tx slot	19.56	19.84	19.66	20.80	13.56	13.84	13.66	14.80	
GPRS 2 Tx slots	18.64	18.90	18.75	19.50	14.38	14.64	14.49	15.24	
GPRS 3 Tx slots	17.08	17.30	17.27	18.00	14.08	14.30	14.27	15.00	
GPRS 4 Tx slots	16.08	17.88	17.89	18.80	9.08	8.88	8.89	9.80	
EDGE 1 Tx slots	16.62	17.00	16.99	17.70	10.62	11.00	10.99	11.70	
EDGE 2 Tx slots	15.59	15.61	15.36	16.60	11.33	11.35	11.10	12.34	
EDGE 3 Tx slots									
EDGE 4 Tx slots	14.45	14.53	14.56	15.60	11.45	11.53	11.56	12.60	

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		5262	5400	5538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	13.04	12.84	12.89	14.30	13.44	13.50	13.58	14.80	20.56	20.55	20.52	21.30
3GPP Rel 99	RMC 12.2Kbps	13.06	12.86	12.94	14.30	13.46	13.53	13.61	14.80	20.61	20.57	20.55	21.30
3GPP Rel 6	HSDPA Subtest-1	12.28	12.35	12.35	13.30	12.29	12.47	12.44	13.80	19.53	19.63	19.64	20.30
3GPP Rel 6	HSDPA Subtest-2	12.31	12.38	12.34	13.30	12.28	12.43	12.45	13.80	19.28	19.62	19.63	20.30
3GPP Rel 6	HSDPA Subtest-3	11.76	11.87	11.87	12.80	11.83	11.94	11.91	13.30	19.03	18.76	19.11	19.80
3GPP Rel 6	HSDPA Subtest-4	11.75	11.85	11.85	12.80	11.81	11.91	11.94	13.30	19.05	19.12	19.12	19.80
3GPP Rel 6	DC-HSDPA Subtest-1	12.27	12.30	12.28	13.30	12.30	12.34	12.41	13.80	19.51	19.61	19.63	20.30
3GPP Rel 6	DC-HSDPA Subtest-2	12.23	12.28	12.25	13.30	12.28	12.31	12.38	13.80	19.23	19.54	19.60	20.30
3GPP Rel 6	DC-HSDPA Subtest-3	11.72	11.75	11.69	12.80	11.85	11.90	11.93	13.30	19.00	19.77	19.11	19.80
3GPP Rel 6	DC-HSDPA Subtest-4	11.65	11.74	11.70	12.80	11.82	11.87	11.90	13.30	19.02	19.14	19.10	19.80
3GPP Rel 6	HSUPA Subtest-1	12.24	12.36	12.37	13.30	12.31	12.46	12.43	13.80	19.37	19.45	19.46	20.30
3GPP Rel 6	HSUPA Subtest-2	10.28	10.36	10.37	11.30	10.31	10.47	10.48	11.80	17.10	17.45	17.48	18.30
3GPP Rel 6	HSUPA Subtest-3	11.26	11.37	11.39	12.30	11.36	11.45	11.47	12.80	18.44	18.12	18.50	19.30
3GPP Rel 6	HSUPA Subtest-4	10.28	10.37	10.35	11.30	10.33	10.45	10.41	11.80	17.45	17.44	17.49	18.30
3GPP Rel 6	HSUPA Subtest-5	12.24	12.34	12.44	13.30	12.02	12.42	12.42	13.80	18.94	18.99	19.13	20.30
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	10.41	10.44	10.39	11.30	10.47	10.64	10.53	11.80	17.57	17.48	17.53	18.30

Band		CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel		1913	394	777		25	609	1175		476	590	684	
Frequency (MHz)		824.7	836.52	848.31		1951.25	1980	1968.75		817.9	820.5	823.1	
RC1 505S		20.53	20.55	20.50	21.30	13.62	13.65	13.72	14.80	21.24	21.26	21.13	21.80
RC3 505S		20.52	20.54	20.49	21.30	13.59	13.61	13.71	14.80	21.23	21.25	21.12	21.80
RC3 5032 (F+SCH)		20.49	20.52	20.48	21.30	13.58	13.60	13.70	14.80	21.22	21.24	21.11	21.80
RC3 5035 (F+SCH)		20.48	20.49	20.46	21.30	13.53	13.59	13.68	14.80	21.21	21.24	21.10	21.80
RTAP 151 600ps		20.43	20.47	20.45	21.30	13.51	13.59	13.67	14.80	21.21	21.23	21.09	21.80
RETAP 40968ps		20.41	20.46	20.43	21.30	13.50	13.57	13.65	14.80	21.20	21.23	21.09	21.80

Reduced power for Hotspot on-UAT

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	24.2	33.4	34.3		24.2	33.4	34.3	
Frequency (MHz)	24.2	33.4	34.3		24.2	33.4	34.3	
GSM 1 Tx slot	28.17	28.20	28.18	28.80	19.17	19.20	19.18	19.80
GPRS 1 Tx slot	28.05	28.17	28.15	28.80	19.05	19.17	19.15	19.80
GPRS 2 Tx slots	26.46	26.65	26.58	27.30	20.46	20.65	20.58	21.30
GPRS 3 Tx slots	24.87	25.04	25.03	25.80	20.61	20.78	20.77	21.54
GPRS 4 Tx slots	23.47	23.74	23.55	24.50	20.47	20.74	20.55	21.50
EDGE 1 Tx slot	22.10	22.17	22.15	22.80	13.10	13.17	13.15	13.80
EDGE 2 Tx slots	20.46	20.57	20.53	20.80	14.46	14.57	14.53	14.80
EDGE 3 Tx slots	19.32	19.56	19.43	19.80	15.06	15.30	15.17	15.54
EDGE 4 Tx slots	18.58	18.82	18.69	19.20	15.58	15.82	15.69	16.20

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	23.22	23.08	23.22	24.30	14.22	14.08	14.22	15.30
GPRS 1 Tx slot	23.02	23.11	23.13	24.30	14.02	14.11	14.13	15.30
GPRS 2 Tx slots	20.36	20.67	20.47	21.80	14.36	14.67	14.47	15.80
GPRS 3 Tx slots	19.36	19.56	19.34	20.50	15.10	15.30	15.08	16.24
GPRS 4 Tx slots	17.75	19.06	17.89	19.00	14.75	15.06	14.89	16.00
EDGE 1 Tx slot	18.87	19.15	18.90	19.80	9.87	10.15	9.90	10.80
EDGE 2 Tx slots	17.06	16.97	17.30	18.70	11.06	10.97	11.30	12.70
EDGE 3 Tx slots	15.96	16.36	16.21	17.60	11.70	12.10	11.95	13.34
EDGE 4 Tx slots	14.77	14.99	15.01	16.60	11.77	11.99	12.01	13.60

Band		WCDMA 8			Tune-up Limit (dBm)	WCDMA 4			Tune-up Limit (dBm)	WCDMA 5		Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4407	4468	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	13.36	13.59	13.48	14.80	14.80	14.90	14.92	16.30	17.27	17.22	17.80
3GPP Rel 99	RM-C 12.2Kbps	13.40	13.61	13.51	14.80	14.82	14.91	14.95	16.30	17.28	17.24	17.80
3GPP Rel 6	HSDPA Subtest-1	12.70	12.78	12.77	13.80	13.79	13.97	13.94	15.30	16.31	16.28	16.80
3GPP Rel 6	HSDPA Subtest-2	12.73	12.80	12.76	13.80	13.78	13.93	13.95	15.30	16.32	16.22	16.80
3GPP Rel 6	HSDPA Subtest-3	12.18	12.29	12.29	13.30	13.33	13.44	13.41	14.80	15.82	15.77	16.30
3GPP Rel 6	HSDPA Subtest-4	12.17	12.27	12.27	13.30	13.31	13.41	13.44	14.80	15.78	15.77	16.30
3GPP Rel 8	DC-HSDPA Subtest-1	12.69	12.72	12.70	13.80	13.80	13.84	13.91	15.30	16.29	16.26	16.80
3GPP Rel 8	DC-HSDPA Subtest-2	12.65	12.70	12.67	13.80	13.76	13.81	13.88	15.30	16.24	16.22	16.80
3GPP Rel 8	DC-HSDPA Subtest-3	12.15	12.18	12.12	13.30	13.35	13.40	13.43	14.80	15.83	15.77	16.30
3GPP Rel 8	DC-HSDPA Subtest-4	12.12	12.17	12.13	13.30	13.32	13.37	13.40	14.80	15.80	15.75	16.30
3GPP Rel 6	HSUPA Subtest-1	12.67	12.79	12.80	13.80	13.81	13.96	13.93	15.30	16.13	16.09	16.80
3GPP Rel 6	HSUPA Subtest-2	10.71	10.79	10.80	11.80	11.81	11.97	11.98	13.30	14.15	14.05	14.80
3GPP Rel 6	HSUPA Subtest-3	11.69	11.80	11.82	12.80	12.86	12.95	12.97	14.30	15.18	15.16	15.80
3GPP Rel 6	HSUPA Subtest-4	10.71	10.80	10.78	11.80	11.83	11.95	11.91	13.30	14.10	14.14	14.80
3GPP Rel 6	HSUPA Subtest-5	12.67	12.77	12.87	13.80	13.52	13.92	13.92	15.30	15.80	15.94	16.80
3GPP Rel 7	HSPA+ (10QAM) Subtest-1	10.84	10.91	10.86	11.80	11.87	12.14	12.03	13.30	14.29	14.34	14.80

Band		CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10		Tune-up Limit (dBm)
TX Channel		1013	394	777		25	600	1175		580	694	
Frequency (MHz)		824.7	836.52	848.31		1851.25	1860	1908.75		820.5	823.1	
RC1 SOSS		18.53	18.55	18.50	19.30	14.31	14.32	14.42	15.80	17.79	17.75	18.80
RC3 SOSS		18.52	18.54	18.49	19.30	14.30	14.31	14.41	15.80	17.78	17.74	18.80
RC3 SO32 (#SCH)		18.49	18.52	18.48	19.30	14.28	14.30	14.30	15.80	17.78	17.74	18.80
RC3 SO32 (+SCH)		18.48	18.49	18.46	19.30	14.26	14.28	14.38	15.80	17.77	17.73	18.80
RTAP 153.6Kbps		18.43	18.47	18.45	19.30	14.25	14.27	14.36	15.80	17.75	17.73	18.80
RETAP 45968Hz		18.41	18.46	18.43	19.30	14.23	14.27	14.35	15.80	17.74	17.72	18.80

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		5262	5400	5538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.56	23.65	23.68	24.80	23.61	23.69	23.65	24.80	24.05	24.08	24.04	24.80
3GPP Rel 99	RMC 12.2Kbps	23.60	23.69	23.66	24.80	23.64	23.73	23.72	24.80	24.09	24.06	24.05	24.80
3GPP Rel 6	HSDPA Subtest-1	22.57	22.65	22.67	23.80	22.56	22.72	22.72	23.80	23.08	23.06	23.03	23.80
3GPP Rel 6	HSDPA Subtest-2	22.56	22.37	22.65	23.80	22.59	22.70	22.72	23.80	23.08	23.06	23.06	23.80
3GPP Rel 6	HSDPA Subtest-3	22.08	22.14	22.18	23.30	22.06	22.18	22.19	23.30	22.57	22.61	22.54	23.30
3GPP Rel 6	HSDPA Subtest-4	22.11	22.18	21.82	23.30	22.08	22.22	22.19	23.30	22.57	22.56	22.54	23.30
3GPP Rel 8	DC-HSDPA Subtest-1	22.55	22.63	22.61	23.80	22.54	22.68	22.62	23.80	23.05	23.03	23.02	23.80
3GPP Rel 8	DC-HSDPA Subtest-2	22.51	22.59	22.54	23.80	22.52	22.64	22.60	23.80	23.02	23.00	22.99	23.80
3GPP Rel 8	DC-HSDPA Subtest-3	22.01	22.14	22.06	23.30	22.08	22.13	22.08	23.30	22.54	22.48	22.51	23.30
3GPP Rel 8	DC-HSDPA Subtest-4	22.03	22.10	22.03	23.30	22.05	22.08	22.05	23.30	22.51	22.47	22.48	23.30
3GPP Rel 6	HSUPA Subtest-1	22.60	22.69	22.73	23.80	22.66	22.75	22.78	23.80	23.06	23.02	22.98	23.80
3GPP Rel 6	HSUPA Subtest-2	20.59	20.70	20.64	21.80	20.63	20.72	20.76	21.80	21.09	21.02	21.01	21.80
3GPP Rel 6	HSUPA Subtest-3	21.57	21.64	21.70	22.80	21.62	21.72	21.72	22.80	22.07	22.02	22.00	22.80
3GPP Rel 6	HSUPA Subtest-4	20.60	20.65	20.71	21.80	20.63	20.74	20.72	21.80	21.05	21.08	21.02	21.80
3GPP Rel 6	HSUPA Subtest-5	22.60	22.70	22.70	23.80	22.60	22.70	22.70	23.80	23.10	23.00	23.00	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.75	20.98	21.02	21.80	20.70	20.83	20.85	21.80	21.18	21.21	21.17	21.80

Band		CDMA BC9			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel		1913	384	777		25	690	1175		476	580	684	
Frequency (MHz)		824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SC95S		23.79	23.63	23.79	24.80	23.55	23.68	23.73	24.80	23.95	24.04	23.95	24.80
RC3 SC95S		23.79	23.80	23.78	24.80	23.46	23.67	23.71	24.80	23.94	23.98	23.94	24.80
RC3 SC93S (F-RCH)		23.78	23.79	23.73	24.80	23.48	23.67	23.69	24.80	23.94	23.98	23.94	24.80
RC3 SC93S (F-RCH)		23.68	23.69	23.63	24.80	23.46	23.66	23.69	24.80	23.93	23.98	23.94	24.80
RTAP 153.6Kbps		23.67	23.69	23.59	24.80	23.43	23.66	23.65	24.80	23.92	23.97	23.92	24.80
RETAP 4096Bps		23.66	23.64	23.59	24.80	23.42	23.63	23.62	24.80	23.90	23.93	23.90	24.80

Table 974

Site (MHz)	Channel	Modulation	RF Band	RF Offset	Power Low P ₁ (dBm)	Power High P ₂ (dBm)	Power High P ₃ (dBm)	Turn-up time (min)	MPO (dB)
Channel					131022	131022	131022	23.8	0
Frequency (MHz)					673	683	688		
20	QPSK	1	0	22.49	22.51	22.44		23.8	0
20	QPSK	1	44	22.43	22.48	22.48			
20	QPSK	1	59	22.46	22.57	22.51			
20	QPSK	50	0	21.51	21.68	21.55			
20	QPSK	50	24	21.62	21.62	21.54		22.8	1
20	QPSK	50	50	21.57	21.51	21.58			
20	QPSK	100	0	21.52	21.58	21.41			
20	16QAM	1	0	21.50	21.46	21.41			
20	16QAM	1	44	21.31	21.49	21.49		23.3	0.5
20	16QAM	1	59	21.40	21.25	21.27			
20	16QAM	50	0	20.58	20.55	20.59			
20	16QAM	50	24	20.65	20.50	20.57			
20	16QAM	50	74	20.62	20.60	20.54		21.8	2
20	16QAM	100	0	20.53	20.52	20.42			
20	64QAM	1	0	20.64	20.62	20.70			
20	64QAM	1	44	20.51	20.50	20.61			
20	64QAM	1	59	20.50	20.47	20.61		20.8	3
20	64QAM	50	0	19.48	19.52	19.51			
20	64QAM	50	24	19.62	19.48	19.57			
20	64QAM	50	50	19.54	19.59	19.60			
20	64QAM	100	0	19.55	19.51	19.58		19.3	4.5
20	256QAM	1	0	17.93	17.98	17.93			
20	256QAM	1	44	17.95	18.23	18.37			
20	256QAM	1	59	18.14	18.18	18.13			
20	256QAM	50	0	17.90	17.98	17.97		19.3	4.5
20	256QAM	50	24	17.98	17.97	18.20			
20	256QAM	50	50	17.88	18.01	18.25			
20	256QAM	100	0	17.82	17.88	17.86			
Channel					133197	133207	133207	23.8	0
Frequency (MHz)					618.5	618.5	618.5		
15	QPSK	1	0	22.45	22.50	22.53		23.8	0
15	QPSK	1	37	22.49	22.44	22.50			
15	QPSK	1	74	22.43	22.39	22.44			
15	QPSK	36	0	21.65	21.68	21.76			
15	QPSK	36	25	21.58	21.48	21.61		22.8	1
15	QPSK	36	36	21.60	21.61	21.65			
15	QPSK	76	0	21.56	21.55	21.59			
15	16QAM	1	0	21.43	21.46	21.48			
15	16QAM	1	37	21.33	21.35	21.44		23.3	0.5
15	16QAM	1	74	21.38	21.38	21.31			
15	16QAM	36	0	20.56	20.58	20.59			
15	16QAM	36	20	20.65	20.65	20.66			
15	16QAM	36	36	20.67	20.60	20.61		21.8	2
15	16QAM	76	0	20.54	20.58	20.51			
15	64QAM	1	0	20.58	20.61	20.65			
15	64QAM	1	37	20.49	20.57	20.52			
15	64QAM	1	74	20.54	20.48	20.54		20.8	3
15	64QAM	36	0	19.55	19.59	19.59			
15	64QAM	36	20	19.58	19.69	19.71			
15	64QAM	36	36	19.55	19.54	19.65			
15	64QAM	76	0	19.67	19.65	19.67		19.3	4.5
15	256QAM	1	0	17.87	17.97	17.98			
15	256QAM	1	37	17.93	18.25	18.32			
15	256QAM	1	74	18.18	18.17	18.06			
15	256QAM	36	0	17.97	18.06	18.06		19.3	4.5
15	256QAM	36	20	17.93	18.17	18.24			
15	256QAM	36	36	17.89	17.88	18.05			
15	256QAM	76	0	17.84	18.10	18.07			
Channel					133172	133172	133172	23.8	0
Frequency (MHz)					618.5	618.5	618.5		
10	QPSK	1	0	22.53	22.36	22.31		23.8	0
10	QPSK	1	26	22.52	22.31	22.50			
10	QPSK	1	49	22.29	22.19	22.30			
10	QPSK	26	0	21.39	21.35	21.37			
10	QPSK	26	12	21.41	21.41	21.38		22.8	1
10	QPSK	26	25	21.35	21.38	21.38			
10	QPSK	50	0	21.40	21.38	21.31			
10	16QAM	1	0	21.39	21.38	21.31			
10	16QAM	1	26	21.32	21.30	21.33		23.3	0.5
10	16QAM	1	49	21.38	21.35	21.35			
10	16QAM	26	0	20.38	20.37	20.40			
10	16QAM	26	14	20.42	20.37	20.40			
10	16QAM	26	26	20.52	20.38	20.54		21.8	2
10	16QAM	50	0	20.55	20.37	20.45			
10	64QAM	1	0	20.52	20.45	20.35			
10	64QAM	1	26	20.28	20.39	20.49			
10	64QAM	1	49	20.48	20.50	20.53		20.8	3
10	64QAM	26	0	19.53	19.31	19.53			
10	64QAM	26	12	19.59	19.41	19.43			
10	64QAM	26	26	19.52	19.39	19.24			
10	64QAM	50	0	19.00	19.28	19.53		19.3	4.5
10	256QAM	1	0	17.81	17.81	17.86			
10	256QAM	1	26	17.72	18.00	17.99			
10	256QAM	1	49	18.13	18.11	18.05			
10	256QAM	26	0	17.75	17.77	17.79			
10	256QAM	26	14	17.73	17.68	18.05		19.3	4.5
10	256QAM	26	26	17.68	17.72	17.79			
10	256QAM	50	0	17.67	17.73	17.72			
Channel					133177	133177	133177	23.8	0
Frequency (MHz)					618.5	618.5	618.5		
5	QPSK	1	0	22.20	22.23	22.17		23.8	0
5	QPSK	1	14	22.31	22.34	22.31			
5	QPSK	1	24	22.40	22.38	22.05			
5	QPSK	12	0	21.34	21.38	21.42			
5	QPSK	12	7	21.45	21.51	21.56		22.8	1
5	QPSK	12	14	21.40	21.48	21.52			
5	QPSK	20	0	21.35	21.41	21.46			
5	16QAM	1	0	21.44	21.45	21.52			
5	16QAM	1	12	21.61	21.63	21.67		23.3	0.5
5	16QAM	1	24	21.56	21.58	21.58			
5	16QAM	12	0	20.37	20.41	20.43			
5	16QAM	12	7	20.49	20.52	20.43			
5	16QAM	12	14	20.43	20.48	20.43		21.8	2
5	64QAM	1	0	20.59	20.41	20.40			
5	64QAM	1	12	20.31	20.37	20.52			
5	64QAM	1	24	20.43	20.48	20.45			
5	64QAM	12	0	19.50	19.37	19.34		20.8	3
5	64QAM	12	7	19.39	19.40	19.41			
5	64QAM	12	14	19.40	19.43	19.43			
5	64QAM	26	0	19.43	19.44	19.43			
5	256QAM	1	0	17.88	17.77	17.63		19.3	4.5
5	256QAM	1	12	17.77	18.05	17.87			
5	256QAM	1	24	18.07	18.08	17.91			
5	256QAM	12	0	17.72	17.83	17.86			
5	256QAM	12	7	17.73	17.88	18.04		19.3	4.5
5	256QAM	12	14	17.74	17.82	17.88			
5	256QAM	26	0	17.70	17.85	17.82			

Reduced power for Hotspot on-LAT								
GSM1900 TX Channel Frequency (MHz)	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1650.2	1680	1909.8		1650.2	1680	1909.8	
GSM 1 Tx slot	27.96	27.99	28.29	29.30	18.96	18.99	19.29	20.30
GPRS 1 Tx slot	28.09	27.97	28.15	29.30	19.09	18.97	19.15	20.30
GPRS 2 Tx slots	25.29	25.62	25.51	26.80	19.29	19.62	19.51	20.80
GPRS 3 Tx slots	23.76	24.07	23.90	25.50	19.50	19.81	19.64	21.24
GPRS 4 Tx slots	22.94	23.11	22.95	24.00	19.94	20.11	19.95	21.00
EDGE 1 Tx slot	23.49	23.59	23.70	24.80	14.49	14.59	14.70	15.80
EDGE 2 Tx slots	22.48	22.41	22.58	23.70	16.48	16.41	16.58	17.70
EDGE 3 Tx slots	21.35	21.57	21.90	22.60	17.09	17.31	17.24	18.34
EDGE 4 Tx slots	20.10	20.43	20.27	21.60	17.10	17.43	17.27	18.60

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9638		1312	1413	1613		4132	4462	4233	
RX Channel		9662	9800	9938		1537	1638	1738		4367	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1762.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.73	20.86	20.77	21.80	20.88	20.98	20.96	21.80	23.12	23.15	23.11	23.80
3GPP Rel 99	RMC 12.2Kbps	20.77	20.88	20.78	21.80	20.85	21.01	20.94	21.80	23.16	23.13	23.12	23.80
3GPP Rel 6	HSDPA Subtest-1	19.74	19.89	19.79	20.80	19.87	19.88	19.99	20.80	22.15	22.13	22.10	22.80
3GPP Rel 6	HSDPA Subtest-2	19.74	19.85	19.78	20.80	19.87	20.03	20.00	20.80	22.13	22.13	22.13	22.80
3GPP Rel 6	HSDPA Subtest-3	19.22	19.39	19.32	20.30	19.35	19.54	19.51	20.30	21.64	21.68	21.61	22.30
3GPP Rel 6	HSDPA Subtest-4	19.18	19.35	19.31	20.30	19.39	19.51	19.48	20.30	21.64	21.63	21.61	22.30
3GPP Rel 6	DC-HSDPA Subtest-1	19.72	19.87	19.73	20.80	19.86	20.02	19.83	20.80	22.12	22.10	22.09	22.80
3GPP Rel 6	DC-HSDPA Subtest-2	19.69	20.07	19.67	20.80	19.81	20.01	19.82	20.80	22.09	22.07	22.06	22.80
3GPP Rel 6	DC-HSDPA Subtest-3	19.16	19.39	19.20	20.30	19.37	19.46	19.39	20.30	21.61	21.56	21.56	22.30
3GPP Rel 6	DC-HSDPA Subtest-4	19.08	19.27	19.52	20.30	19.36	19.38	19.32	20.30	21.58	21.54	21.55	22.30
3GPP Rel 6	HSUPA Subtest-1	19.79	19.90	19.80	20.80	19.98	20.07	19.99	20.80	22.13	22.09	22.05	22.80
3GPP Rel 6	HSUPA Subtest-2	17.81	17.89	17.85	18.80	17.92	18.09	17.98	18.80	20.16	20.09	20.08	20.80
3GPP Rel 6	HSUPA Subtest-3	18.78	18.87	18.83	19.80	18.90	19.05	19.02	19.80	21.14	21.09	21.07	21.80
3GPP Rel 6	HSUPA Subtest-4	17.80	17.87	17.82	18.80	17.94	18.04	17.99	18.80	20.12	20.15	20.09	20.80
3GPP Rel 6	HSUPA Subtest-5	19.80	19.90	19.80	20.80	19.90	20.00	20.00	20.80	22.17	22.07	22.07	22.80
3GPP Rel 7	HSPA+ (100M) Subtest-1	17.95	18.18	18.12	18.80	18.05	18.10	18.13	18.80	20.25	20.28	20.24	20.80

Band		CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel		1013	384	777		26	600	1175		476	580	684	
Frequency (MHz)		824.7	835.12	848.31		1661.25	1660	1663.75		817.8	820.5	823.1	
RC1 S055		22.86	22.92	22.88	23.80	21.11	21.10	21.21	22.30	23.01	23.10	23.01	23.80
RC3 S055		22.88	22.89	22.87	23.80	21.09	21.09	21.20	22.30	23.00	23.04	23.00	23.80
RC3 S032 (F+SCH)		22.87	22.88	22.82	23.80	21.08	21.09	21.19	22.30	23.00	23.04	23.00	23.80
RC3 S032 (F+SCH)		22.77	22.78	22.72	23.80	21.08	21.08	21.17	22.30	22.99	23.04	23.00	23.80
RTAP 163.6Kbps		22.76	22.78	22.68	23.80	21.06	21.07	21.17	22.30	22.98	23.03	22.98	23.80
RTAP 409.6Kbps		22.75	22.73	22.68	23.80	21.04	21.06	21.16	22.30	22.96	22.99	22.96	23.80

Reduced power for Sensor on-LAT									
GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)			Turn-up Limit (dBm)	
	512	661	810		512	661	810		
	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	26.52	26.55	26.85	27.80	17.52	17.55	17.85	18.80	
GPRS 1 Tx slot	26.65	26.53	26.71	27.80	17.65	17.53	17.71	18.80	
GPRS 2 Tx slots	23.85	24.18	24.07	25.30	17.85	18.18	18.07	19.30	
GPRS 3 Tx slots	22.32	22.83	22.46	24.00	18.06	18.37	18.20	19.74	
GPRS 4 Tx slots	21.50	21.67	21.51	22.50	18.50	18.67	18.51	19.50	
EDGE 1 Tx slot	22.05	22.15	22.26	23.30	13.05	13.15	13.26	14.30	
EDGE 2 Tx slots	21.04	20.97	21.14	22.20	15.04	14.97	15.14	16.20	
EDGE 3 Tx slots	19.91	20.13	20.06	21.10	15.85	15.87	15.80	16.84	
EDGE 4 Tx slots	18.66	18.99	18.83	20.10	15.86	15.89	15.83	17.10	

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1637	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.73	19.86	19.77	20.80	19.88	19.98	19.96	20.80
3GPP Rel 99	RMV 12.2Kbps	19.77	19.86	19.78	20.80	19.89	20.01	19.94	20.80
3GPP Rel 6	HSDPA Subtest-1	18.74	18.89	18.79	19.80	18.87	18.96	18.95	19.80
3GPP Rel 6	HSDPA Subtest-2	18.74	18.85	18.78	19.80	18.87	19.03	19.00	19.80
3GPP Rel 6	HSDPA Subtest-3	18.22	18.39	18.32	19.30	18.35	18.54	18.51	19.30
3GPP Rel 6	HSDPA Subtest-4	18.18	18.35	18.31	19.30	18.39	18.51	18.48	19.30
3GPP Rel 8	DC-HSDPA Subtest-1	18.72	18.87	18.73	19.80	18.86	19.02	18.83	19.80
3GPP Rel 8	DC-HSDPA Subtest-2	18.68	18.07	18.67	19.80	18.51	19.01	18.92	19.80
3GPP Rel 8	DC-HSDPA Subtest-3	18.15	18.30	18.20	19.30	18.37	18.46	18.39	19.30
3GPP Rel 8	DC-HSDPA Subtest-4	18.08	18.27	18.52	19.30	18.36	18.38	18.32	19.30
3GPP Rel 6	HSUPA Subtest-1	18.79	18.90	18.80	19.80	18.98	19.07	18.99	19.80
3GPP Rel 6	HSUPA Subtest-2	16.61	16.89	16.85	17.80	16.92	17.09	16.98	17.80
3GPP Rel 6	HSUPA Subtest-3	17.78	17.87	17.83	18.80	17.90	18.05	18.02	18.80
3GPP Rel 6	HSUPA Subtest-4	16.80	16.87	16.92	17.80	16.94	17.04	16.99	17.80
3GPP Rel 6	HSUPA Subtest-5	18.80	18.90	18.80	19.80	18.90	19.00	19.00	19.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.95	17.18	17.12	17.80	17.05	17.10	17.13	17.80

Band	CDMA BC1			Tune-up Limit (dBm)
	25	600	1175	
TX Channel				
Frequency (MHz)	1851.25	1860	1908.75	
RC1 S065	19.26	19.25	19.36	20.30
RC1 S065	19.24	19.24	19.35	20.30
RC3 S03z (F+SCH)	19.23	19.24	19.34	20.30
RC3 S03z (F+SCH)	19.23	19.23	19.32	20.30
RTAP 153 B00ys	19.21	19.22	19.32	20.30
RETAP 406B0is	19.19	19.20	19.31	20.30

LTE Downlink CA Full Power for UAT

2CC																	
Configure	CA Configuration (BCS)	PCC							SCC				Power				
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA TxPower (dbm)	W/O CA TxPower (dbm)			
Inter-Band	CA_5A-7A	5	10	829	20450	QPSK	1	0	7	20	2655	3100	23.01	23.43			
	CA_5A-48A	5	10	829	20450	QPSK	1	0	48	20	3625	55990	23.10	23.43			
	CA_26A-41A	26	15	831.5	26895	QPSK	1	0	41	20	2593	40620	23.06	23.58			
Non-Configuious	CA_2A-2A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	21.11	21.56			
	CA_4A-4A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	20.70	21.06			
	CA_5A-5A	5	10	829	20450	QPSK	1	0	5	5	891.5	2625	23.17	23.43			
	CA_7A-7A	7	20	2510	20850	QPSK	1	49	7	5	2687.5	3425	20.55	20.91			
	CA_25A-25A	25	20	1880	26340	QPSK	1	0	25	5	1992.5	8665	21.34	21.35			
	CA_2C	2	20	1880	18900	QPSK	1	0	2	20	1979.80	1098	21.16	21.56			
Intra-Band	CA_5B	5	10	829	20450	QPSK	1	0	5	10	883.90	2549	23.09	23.43			
	CA_7C	7	20	2510	20850	QPSK	1	49	7	20	2649.80	3048	20.60	20.91			
	CA_38C	38	20	2580	37850	QPSK	1	99	38	20	2599.80	38048	20.93	21.29			
	CA_66B	66	15	1772.5	132597	QPSK	1	0	66	5	2163.20	69686	21.04	21.32			
	CA_66C	66	20	1745	132322	QPSK	1	0	66	20	2164.80	67084	20.96	21.34			

3CC																Power		
Configure	CA Configuration (BCS)	PCC						SCC1				SCC2				Power		
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA TxPower (dBm)	W/O CA TxPower (dBm)
Inter Band	CA_2A-4A-13A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	21.21	21.56
	CA_2A-4A-29A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	21.20	21.56
	CA_2A-4A-4A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	4	5	2152.5	2375	21.25	21.56
	CA_2A-4A-5A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	21.21	21.56
	CA_2A-4A-7A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	21.28	21.56
	CA_2A-5A-30A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	21.26	21.56
	CA_2A-12A-30A	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	21.29	21.56
	CA_2A-29A-30A	2	20	1880	18900	QPSK	1	0	29	10	722.5	9715	30	10	2355	9820	21.21	21.56
	CA_2A-48A-48A	2	20	1880	18900	QPSK	1	0	48	20	3625	55990	48	5	3697.5	56715	21.31	21.56
	CA_2A-48A-66A	2	20	1880	18900	QPSK	1	0	48	20	3625	55990	66	20	2155	66886	21.23	21.56
	CA_2A-7A-7A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	7	5	2622.5	2775	21.02	21.56
	CA_2A-48C	2	20	1880	18900	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	21.20	21.56
	CA_4A-4A-12A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	12	10	737.5	5095	20.93	21.06
	CA_4A-4A-13A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	13	10	751	5230	20.75	21.06
	CA_4A-4A-5A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	5	10	881.5	2525	20.79	21.06
	CA_4A-4A-71A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	71	20	637	68786	20.92	21.06
	CA_4A-4A-7A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	7	20	2655	3100	20.78	21.06
	CA_4A-5A-30A	4	20	1732.5	20175	QPSK	1	49	5	10	881.5	2525	30	10	2355	9820	20.83	21.06
	CA_4A-7A-12A	4	20	1732.5	20175	QPSK	1	49	7	20	2655	3100	12	10	737.5	5095	20.89	21.06
	CA_4A-7A-7A	4	20	1732.5	20175	QPSK	1	49	7	20	2655	3100	7	5	2622.5	2775	20.75	21.06
	CA_4A-12A-30A	4	20	1732.5	20175	QPSK	1	49	12	10	737.5	5095	30	10	2355	9820	20.85	21.06
	CA_4A-29A-30A	4	20	1732.5	20175	QPSK	1	49	29	10	722.5	9715	30	10	2355	9820	20.82	21.06
	CA_5A-30A-66A	5	10	829	20450	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	21.20	21.43
	CA_7A-48C	7	20	2510	20850	QPSK	1	49	48	20	5377.5	50665	48	20	5557.3	50863	20.63	20.81
	CA_12A-30A-66A	12	10	707.5	23095	QPSK	1	49	30	10	2355	9820	66	20	2155	66886	21.32	21.57
	CA_25A-25A-26A	25	20	1880	26340	QPSK	1	0	25	5	1992.5	8665	26	15	885	885	21.25	21.35
	CA_48A-48A-66A	48	20	3675	56490	QPSK	1	49	48	5	3697.5	56715	66	20	2155	66886	22.77	23.43
	CA_48C-66A	48	20	3650	56340	QPSK	1	49	48	20	3679.8	56538	66	20	2155	66886	22.66	23.38
	CA_48C-48A	48	20	3650	56340	QPSK	1	49	48	20	3679.8	56538	48	5	3697.5	56715	22.67	23.38
	CA_66A-66C	66	20	1745	132322	QPSK	1	0	66	5	2197.5	67311	66	20	2186.8	67428	21.09	21.34
Intra-Band	Contiguous																	

4CC																						Power	
Configure	CA Configuration (BCS)	PCC						SCC1				SCC2				SCC3				With CA TxPower (dBm)	W/O CA TxPower (dBm)		
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)			DL Channel	
Inter-Band	CA_2A-12A-66A-66A	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	5	2197.5	67311	21.34	21.56	
	CA_2A-12A-66C	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	5	2197.5	67311	21.33	21.56	
	CA_2A-13A-66A-66A	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	5	2197.5	67311	21.37	21.56	
	CA_2A-13A-66B	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	15	2155	66886	66	5	2164.3	66979	21.30	21.56	
	CA_2A-13A-66C	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	5	2174.8	67084	21.31	21.56	
	CA_2A-2A-12A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	12	10	737.5	5095	66	20	2155	66886	21.34	21.56	
	CA_2A-2A-13A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	13	10	751	5230	66	20	2155	66886	21.39	21.56	
	CA_2A-2A-5A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	5	10	881.5	2525	66	20	2155	66886	21.32	21.56	
	CA_2A-2A-66A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	66886	66	5	2197.5	67311	21.36	21.56	
	CA_2A-2A-66A-71A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	66886	71	20	637	68786	21.26	21.56	
	CA_2A-2A-4A-71A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	71	20	637	68786	21.25	21.56	
	CA_2A-2A-66C	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	66886	66	20	2174.8	67084	21.27	21.56	
	CA_2A-5A-66A-66A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	66	20	2155	66886	66	5	2197.5	67311	21.32	21.56	
	CA_2A-5A-66B	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	66	15	2155	66886	66	5	2164.3	66979	21.29	21.56	
	CA_2A-5A-66C	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	66	20	2155	66886	66	20	2174.8	67084	21.30	21.56	
	CA_2A-66A-66A-71A	2	20	1880	18900	QPSK	1	0	66	20	2155	66886	66	5	2197.5	67311	71	20	637	68786	21.26	21.56	
	CA_2A-66C-71A	2	20	1880	18900	QPSK	1	0	66	20	2155	66886	66	20	2174.8	67084	71	20	637	68786	21.27	21.56	
	Intra-Band	CA_48A-48C	2	20	1880	18900	QPSK	1	0	48	20	5377.5	50665	48	20	5557.3	50863	48	20	5577.1	51061	20.78	21.34
CA_2C-66A-66A		2	20	1880	18900	QPSK	1	0	2	20	1979.8	1098	66	20	2155	66886	66	5	2197.5	67311	21.32	21.56	
CA_2A-4A-4A-12A		2	20	1880	18900	QPSK	1	0	2	2	5	1980	5065	4	20	2132.5	2175	12	20	737.5	5095	21.27	21.56
CA_2A-66C-48A		2	20	1880	18900	QPSK	1	0	48	20	5377.5	50665	48	20	5557.3	50863	48	20	5577.1	51061	20.78	21.34	
CA_4A-48D		4	20	1732.5	20175	QPSK	1	49	46	20	5377.5	50665	48	20	5557.3	50863	48	20	5577.1	51061	20.92	21.35	
CA_25A-41D		25	20	1880	26340	QPSK	1	0	41	20	2593	40620	41	20	2612.8	40818	41	20	2632.6	41016	21.34	21.35	
CA_25A-48D		25	20	1880	26340	QPSK	1	0	48	20	2593	40620	48	20	2612.8	40818	48	20	2632.6	41016	21.32	21.35	
CA_48A-48C-66A		66	20	1745	132322	QPSK	1	0	48	20	5377.5	50665	48	20	5557.3	50863	48	20	5577.8	51088	20.70	21.34	
CA_46D-66A		66	20	1745	132322	QPSK	1	0	46	20	5377.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	20.80	21.34	
CA_48C-48A-66A		66	20	1745	132322	QPSK	1	0	46	20	5377.5	50665	46	20	5557.3	50863	46	20	5660	56340	20.62	21.34	
CA_48A-48C-66A		66	20	1745	132322	QPSK	1	0	46	20	5377.5	50665	46	20	5557.3	50863	46	20	5660	56340	20.78	21.34	
CA_46D-48A		48	20	3675	56490	QPSK	1	49	46	20	5377.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	21.38	23.43	
CA_48B-66A		66	20	1745	132322	QPSK	1	0	48	20	5377.5	50665	48	20	5557.3	50863	48	20	5699.6	56736	20.89	21.34	
CA_4A-41E		41	48	4820.0	2953	4820	QPSK	1	49	48	20	4820.0	4820	41	20	4820.0	4820	41	20	4820.0	4820	20.61	21.35
CA_48E		48	20	3675	55530	QPSK	1	49	48	20	3628.0	56028	48	20	3648.0	56226	48	20	3668.0	56424	23.35	23.43	

LTE Downlink CA Full Power for LAT

2CC		Configure	CA Configuration (BCS)	PCC						SCC				Power	
				LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx Power (dBm)
Inter-Band		CA_5A-7A	5	10	829	20450	QPSK	1	0	7	20	2655	3100	22.89	23.01
		CA_26A-41A	26	15	831.5	26865	QPSK	1	0	41	20	2593	40620	22.71	23.12
		CA_2A-2A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	22.36	22.73
		CA_4A-4A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	22.41	23.04
Non-Contiguous		CA_5A-5A	5	10	829	20450	QPSK	1	0	5	5	891.5	2625	22.79	23.01
		CA_7A-7A	7	20	2510	20850	QPSK	1	49	7	5	2687.5	3425	22.21	22.30
		CA_25A-25A	25	20	1680	26340	QPSK	1	0	25	5	1992.5	8665	22.87	23.19
		CA_2C	2	20	1880	18900	QPSK	1	0	2	20	1979.80	1098	22.36	22.73
Intra-Band		CA_5B	5	10	829	20450	QPSK	1	0	5	10	883.90	2549	22.83	23.01
		CA_7C	7	20	2510	20850	QPSK	1	49	7	20	2649.80	3048	22.28	22.30
		CA_38C	38	20	2580	37850	QPSK	1	99	38	20	2999.80	38048	22.20	22.33
		CA_66B	66	15	1772.5	132597	QPSK	1	0	66	5	2163.20	69968	22.56	23.16
		CA_66C	66	20	1745	132322	QPSK	1	0	66	20	2164.80	67084	22.98	23.18

3CC																				Power	
Configure	CA Configuration (BCS)	PCC						SCC1						SCC2						With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel					
Inter-Band	CA_2A-4A-13A	2	20	1680	18900	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	22.35	22.73			
	CA_2A-4A-29A	2	20	1680	18900	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	22.41	22.73			
	CA_2A-4A-4A	2	20	1680	18900	QPSK	1	0	4	20	2132.5	2175	4	5	2152.5	2375	22.40	22.73			
	CA_2A-4A-5A	2	20	1680	18900	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	22.37	22.73			
	CA_2A-4A-7A	2	20	1680	18900	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	22.35	22.73			
	CA_2A-5A-30A	2	20	1680	18900	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	22.36	22.73			
	CA_2A-12A-30A	2	20	1680	18900	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	22.38	22.73			
	CA_2A-28A-30A	2	20	1680	18900	QPSK	1	0	29	10	722.5	9715	30	10	2355	9820	22.39	22.73			
	CA_2A-7A-7A	2	20	1680	18900	QPSK	1	0	7	20	2655	3100	7	5	2622.5	2775	22.35	22.73			
	CA_4A-4A-12A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	12	10	757.5	5095	22.35	23.04			
	CA_4A-4A-13A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	13	10	751	5230	22.32	23.04			
	CA_4A-4A-5A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	5	10	881.5	2525	22.37	23.04			
	CA_4A-4A-7A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	7	20	2655	3100	22.34	23.04			
	CA_4A-5A-30A	4	20	1732.5	20175	QPSK	1	49	5	10	881.5	2525	30	10	2355	9820	22.37	23.04			
	CA_4A-7A-12A	4	20	1732.5	20175	QPSK	1	49	7	20	2655	3100	12	10	737.5	5095	22.43	23.04			
	CA_4A-7A-7A	4	20	1732.5	20175	QPSK	1	49	7	20	2655	3100	7	20	2655	3100	22.39	23.04			
	CA_4A-12A-30A	4	20	1732.5	20175	QPSK	1	49	12	10	737.5	5095	30	10	2355	9820	22.40	23.04			
	CA_4A-28A-30A	4	20	1732.5	20175	QPSK	1	49	29	10	722.5	9715	30	10	2355	9820	22.35	23.04			
	CA_5A-30A-66A	5	10	829	20450	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	22.93	23.01			
	CA_7A-46C	7	20	2510	20850	QPSK	1	49	48	20	5537.5	50665	48	20	5557.3	50663	22.20	22.30			
	CA_12A-30A-66A	12	10	707.5	23095	QPSK	1	49	30	10	2355	9820	66	20	2155	66886	23.18	23.20			
	CA_25A-25A-28A	25	20	1680	26340	QPSK	1	0	25	5	1992.5	8665	28	15	876.5	8695	22.56	23.19			
	Intra-Band	Contiguous	66	20	1745	132322	QPSK	1	0	66	5	2197.5	67311	66	20	2165.8	67428	22.48	23.18		

4CC																				Power			
Configure	CA Configuration (BCS)	PCC						SCC1						SCC2				SCC3				With CA TxPower (dBm)	W/O CA TxPower (dBm)
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel			
Inter-Band	CA_2A-12A-66A-66A	2	20	1680	18900	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	5	2197.5	67311	22.39	22.73	
	CA_2A-12A-66C	2	20	1680	18900	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	20	2174.8	67084	22.39	22.73	
	CA_2A-13A-66A-66A	2	20	1680	18900	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	20	2174.8	67311	22.31	22.73	
	CA_2A-13A-66B	2	20	1680	18900	QPSK	1	0	13	10	751	5230	66	15	2155	66886	66	20	2174.8	67084	22.39	22.73	
	CA_2A-13A-66C	2	20	1680	18900	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	20	2174.8	67084	22.37	22.73	
	CA_2A-2A-12A-66A	2	20	1680	18900	QPSK	1	0	2	5	1987.5	1175	12	10	737.5	5095	66	20	2155	66886	22.46	22.73	
	CA_2A-2A-13A-66A	2	20	1680	18900	QPSK	1	0	2	5	1987.5	1175	13	10	751	5230	66	20	2155	66886	22.46	22.73	
	CA_2A-2A-5A-66A	2	20	1680	18900	QPSK	1	0	2	5	1987.5	1175	5	10	881.5	2525	66	20	2155	66886	22.41	22.73	
	CA_2A-2A-66A-66A	2	20	1680	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	66886	66	20	2197.5	67311	22.42	22.73	
	CA_2A-2A-66A-71A	2	20	1680	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	66886	71	20	2174.8	67084	22.42	22.73	
	CA_2A-2A-4A-71A	2	20	1680	18900	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	71	20	637	68786	22.36	22.73	
	CA_2A-2A-6C	2	20	1680	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	66886	66	20	2174.8	67084	22.39	22.73	
	CA_2A-5A-66A-66A	2	20	1680	18900	QPSK	1	0	5	10	881.5	2525	66	20	2155	66886	66	5	2197.5	67311	22.39	22.73	
	CA_2A-5A-66B	2	20	1680	18900	QPSK	1	0	5	10	881.5	2525	66	15	2155	66886	66	5	2164.3	66979	22.42	22.73	
	CA_2A-5A-6C	2	20	1680	18900	QPSK	1	0	5	10	881.5	2525	66	20	2155	66886	66	20	2174.8	67084	22.42	22.73	
	CA_2A-66A-66A-71A	2	20	1680	18900	QPSK	1	0	66	20	2155	66886	66	5	2197.5	67311	71	20	2174.8	67084	22.40	22.73	
	CA_2A-66C-71A	2	20	1680	18900	QPSK	1	0	66	20	2155	66886	66	20	2174.8	67084	71	20	637	68786	22.43	22.73	
	CA_2-66A-66A	2	20	1680	18900	QPSK	1	0	2	20	1979.8	1098	66	20	2155	66886	66	20	2197.5	67311	22.39	22.73	
	CA_2A-2A-4A-12A	2	20	1680	18900	QPSK	1	0	2	5	1960	900	4	20	2132.5	2175	12	10	737.5	5095	22.35	22.73	
	CA_4A-46U	4	20	1732.5	20175	QPSK	1	49	46	20	5537.5	50665	46	20	5557.3	50663	46	20	5577.1	51061	22.33	23.04	
	CA_25A-41D	25	20	1680	26340	QPSK	1	0	41	20	2593	40620	41	20	2632.6	41016	41	20	2632.6	41016	22.38	23.19	
	CA_25A-46D	25	20	1680	26340	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50663	46	20	5577.1	51061	22.33	23.01	
	CA_46A-46C-66A	66	20	1745	132322	QPSK	1	0	46	20	5537.5	50665	46	20	5160	46890	46	20	5179.8	47088	22.17	23.18	
	CA_46D-66A	66	20	1745	132322	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50663	46	20	5160.1	47088	22.17	23.18	
Intra-Band	Contiguous	CA_41E	41	20	2593	40620	QPSK	1	49	41	20	2612.80	40818	41	20	2632.60	41016	41	20	2652.40	41264	22.18	22.19

5CC																Power</
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LTE Uplink CA for UAT

CA_66C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
130772	132270	QPSK	1	0	0	0	1	0	Full Power	20.09	21.30
130302	132124	QPSK	1	0	0	0	1	0	Full Power	20.32	21.30
132572	132374	QPSK	1	0	0	0	1	0	Full Power	20.31	21.30
130772	132270	16QAM	1	0	0	0	1	0	Full Power	19.09	20.30
132302	132124	16QAM	1	0	0	0	1	0	Full Power	19.34	20.30
132572	132374	16QAM	1	0	0	0	1	0	Full Power	19.38	20.30
130772	132270	64QAM	1	0	0	0	1	0	Full Power	18.42	19.30
132302	132124	64QAM	1	0	0	0	1	0	Full Power	18.61	19.30
132572	132374	64QAM	1	0	0	0	1	0	Full Power	18.55	19.30
130772	132270	256QAM	1	0	0	0	1	0	Full Power	15.32	17.30
132302	132124	256QAM	1	0	0	0	1	0	Full Power	15.52	17.30
132572	132374	256QAM	1	0	0	0	1	0	Full Power	15.43	17.30
130772	132270	QPSK	50	24	0	0	1	0	Reduced power level 1/3	12.62	13.80
132302	132124	QPSK	50	24	0	0	1	0	Reduced power level 1/3	12.78	13.80
132572	132374	QPSK	50	24	0	0	1	0	Reduced power level 1/3	12.71	13.80
130772	132270	QPSK	50	24	0	0	1	0	Reduced power level 2/4	11.64	12.80
132302	132124	QPSK	50	24	0	0	1	0	Reduced power level 2/4	11.78	12.80
132572	132374	QPSK	50	24	0	0	1	0	Reduced power level 2/4	11.71	12.80
130772	132270	QPSK	1	0	0	0	1	0	Reduced	15.22	16.30
132302	132124	QPSK	1	0	0	0	1	0	Reduced	15.39	16.30
132572	132374	QPSK	1	0	0	0	1	0	Reduced	15.28	16.30

CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39790	39688	QPSK	1	49	0	0	1	0	Full Power	21.13	22.10
39750	39648	QPSK	1	49	0	0	1	0	Full Power	21.16	22.10
40185	39697	QPSK	1	49	0	0	1	0	Full Power	21.21	22.10
40620	40422	QPSK	1	49	0	0	1	0	Full Power	21.28	22.10
41055	40657	QPSK	1	49	0	0	1	0	Full Power	21.22	22.10
41490	41292	QPSK	1	49	0	0	1	0	Full Power	21.25	22.10
39790	39688	16QAM	1	49	0	0	1	0	Full Power	20.03	21.10
39750	39648	16QAM	1	49	0	0	1	0	Full Power	20.17	21.10
40185	39697	16QAM	1	49	0	0	1	0	Full Power	20.05	21.10
40620	40422	16QAM	1	49	0	0	1	0	Full Power	20.25	21.10
41055	40657	16QAM	1	49	0	0	1	0	Full Power	20.21	21.10
41490	41292	16QAM	1	49	0	0	1	0	Full Power	20.18	21.10
39790	39688	64QAM	1	49	0	0	1	0	Full Power	18.51	20.10
39750	39648	64QAM	1	49	0	0	1	0	Full Power	18.58	20.10
40185	39697	64QAM	1	49	0	0	1	0	Full Power	18.67	20.10
40620	40422	64QAM	1	49	0	0	1	0	Full Power	18.78	20.10
41055	40657	64QAM	1	49	0	0	1	0	Full Power	18.69	20.10
41490	41292	64QAM	1	49	0	0	1	0	Full Power	18.33	20.10
39790	39688	256QAM	1	49	0	0	1	0	Full Power	16.06	17.60
39750	39648	256QAM	1	49	0	0	1	0	Full Power	16.11	17.60
40185	39697	256QAM	1	49	0	0	1	0	Full Power	16.08	17.60
40620	40422	256QAM	1	49	0	0	1	0	Full Power	16.18	17.60
41055	40657	256QAM	1	49	0	0	1	0	Full Power	16.15	17.60
41490	41292	256QAM	1	49	0	0	1	0	Full Power	16.03	17.60
39790	39688	QPSK	50	24	0	0	1	0	Reduced power level 1	15.11	16.10
39750	39648	QPSK	50	24	0	0	1	0	Reduced power level 1	15.08	16.10
40185	39697	QPSK	50	24	0	0	1	0	Reduced power level 1	15.12	16.10
40620	40422	QPSK	50	24	0	0	1	0	Reduced power level 1	15.32	16.10
41055	40657	QPSK	50	24	0	0	1	0	Reduced power level 1	15.23	16.10
41490	41292	QPSK	50	24	0	0	1	0	Reduced power level 1	15.29	16.10
39790	39688	QPSK	50	24	0	0	1	0	Reduced power level 2/3/4	14.13	15.10
39750	39648	QPSK	50	24	0	0	1	0	Reduced power level 2/3/4	14.11	15.10
40185	39697	QPSK	50	24	0	0	1	0	Reduced power level 2/3/4	14.12	15.10
40620	40422	QPSK	50	24	0	0	1	0	Reduced power level 2/3/4	14.38	15.10
41055	40657	QPSK	50	24	0	0	1	0	Reduced power level 2/3/4	14.25	15.10
41490	41292	QPSK	50	24	0	0	1	0	Reduced power level 2/3/4	14.32	15.10
39790	39688	QPSK	50	24	0	0	1	0	Reduced	17.15	18.10
39750	39648	QPSK	50	24	0	0	1	0	Reduced	17.21	18.10
40185	39697	QPSK	50	24	0	0	1	0	Reduced	17.25	18.10
40620	40422	QPSK	50	24	0	0	1	0	Reduced	17.27	18.10
41055	40657	QPSK	50	24	0	0	1	0	Reduced	17.13	18.10
41490	41292	QPSK	50	24	0	0	1	0	Reduced	17.19	18.10

CA_41C-HPUE											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39888	QPSK	1	49	0	0	1	0	Full Power	23.49	24.60
39750	39848	QPSK	1	49	0	0	1	0	Full Power	23.43	24.60
40185	39887	QPSK	1	49	0	0	1	0	Full Power	23.27	24.60
40620	40422	QPSK	1	49	0	0	1	0	Full Power	23.73	24.60
41055	40857	QPSK	1	49	0	0	1	0	Full Power	23.58	24.60
41490	41292	QPSK	1	49	0	0	1	0	Full Power	23.59	24.60
39750	39888	16QAM	1	49	0	0	1	0	Full Power	22.73	23.60
39750	39848	16QAM	1	49	0	0	1	0	Full Power	22.75	23.60
40185	39887	16QAM	1	49	0	0	1	0	Full Power	22.51	23.60
40620	40422	16QAM	1	49	0	0	1	0	Full Power	22.82	23.60
41055	40857	16QAM	1	49	0	0	1	0	Full Power	22.78	23.60
41490	41292	16QAM	1	49	0	0	1	0	Full Power	22.83	23.60
39750	39888	64QAM	1	49	0	0	1	0	Full Power	21.33	22.60
39750	39848	64QAM	1	49	0	0	1	0	Full Power	21.42	22.60
40185	39887	64QAM	1	49	0	0	1	0	Full Power	21.67	22.60
40620	40422	64QAM	1	49	0	0	1	0	Full Power	21.55	22.60
41055	40857	64QAM	1	49	0	0	1	0	Full Power	21.54	22.60
41490	41292	64QAM	1	49	0	0	1	0	Full Power	21.36	22.60
39750	39888	256QAM	1	49	0	0	1	0	Full Power	18.12	20.10
39750	39848	256QAM	1	49	0	0	1	0	Full Power	18.17	20.10
40185	39887	256QAM	1	49	0	0	1	0	Full Power	18.25	20.10
40620	40422	256QAM	1	49	0	0	1	0	Full Power	18.64	20.10
41055	40857	256QAM	1	49	0	0	1	0	Full Power	18.9	20.10
41490	41292	256QAM	1	49	0	0	1	0	Full Power	17.24	20.10
39750	39888	QPSK	50	24	0	0	1	0	Reduced power level 1/2/3/4	17.82	18.60
39750	39848	QPSK	50	24	0	0	1	0	Reduced power level 1/2/3/4	17.85	18.60
40185	39887	QPSK	50	24	0	0	1	0	Reduced power level 1/2/3/4	17.75	18.60
40620	40422	QPSK	50	24	0	0	1	0	Reduced power level 1/2/3/4	18.03	18.60
41055	40857	QPSK	50	24	0	0	1	0	Reduced power level 1/2/3/4	17.81	18.60
41490	41292	QPSK	50	24	0	0	1	0	Reduced power level 1/2/3/4	17.95	18.60
39750	39888	QPSK	50	24	0	0	1	0	Reduced	19.28	20.10
39750	39848	QPSK	50	24	0	0	1	0	Reduced	19.35	20.10
40185	39887	QPSK	50	24	0	0	1	0	Reduced	19.16	20.10
40620	40422	QPSK	50	24	0	0	1	0	Reduced	19.37	20.10
41055	40857	QPSK	50	24	0	0	1	0	Reduced	19.13	20.10
41490	41292	QPSK	50	24	0	0	1	0	Reduced	19.16	20.10

CA_48C-FCC											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
55340	55538	QPSK	1	49	0	0	1	0	Full Power	5.68	7.50
55930	55932	QPSK	1	49	0	0	1	0	Full Power	5.88	7.50
56150	55952	QPSK	1	49	0	0	1	0	Full Power	5.71	7.50
56640	56442	QPSK	1	49	0	0	1	0	Full Power	5.85	7.50
55340	55538	16QAM	1	49	0	0	1	0	Full Power	5.61	7.50
55930	55932	16QAM	1	49	0	0	1	0	Full Power	5.85	7.50
56150	55952	16QAM	1	49	0	0	1	0	Full Power	5.76	7.50
56640	56442	16QAM	1	49	0	0	1	0	Full Power	5.59	7.50
55340	55538	64QAM	1	49	0	0	1	0	Full Power	5.78	7.50
55930	55932	64QAM	1	49	0	0	1	0	Full Power	5.56	7.50
56150	55952	64QAM	1	49	0	0	1	0	Full Power	5.85	7.50
56640	56442	64QAM	1	49	0	0	1	0	Full Power	5.49	7.50
55340	55538	256QAM	1	49	0	0	1	0	Full Power	5.62	7.50
55930	55932	256QAM	1	49	0	0	1	0	Full Power	5.71	7.50
56150	55952	256QAM	1	49	0	0	1	0	Full Power	5.54	7.50
56640	56442	256QAM	1	49	0	0	1	0	Full Power	5.63	7.50
55340	55538	QPSK	100	0	0	0	1	0	Full Power	20.97	21.80
55930	55932	QPSK	100	0	0	0	1	0	Full Power	20.94	21.80
56150	55952	QPSK	100	0	0	0	1	0	Full Power	21.07	21.80
56640	56442	QPSK	100	0	0	0	1	0	Full Power	21.11	21.80
55340	55538	QPSK	100	0	0	0	1	0	Reduced power level 1/2/3/4	14.07	14.80
55930	55932	QPSK	100	0	0	0	1	0	Reduced power level 1/2/3/4	14.25	14.80
56150	55952	QPSK	100	0	0	0	1	0	Reduced power level 1/2/3/4	14.22	14.80
56640	56442	QPSK	100	0	0	0	1	0	Reduced power level 1/2/3/4	14.21	14.80
55340	55538	QPSK	100	0	0	0	1	0	Reduced	16.70	17.30
55930	55932	QPSK	100	0	0	0	1	0	Reduced	16.88	17.30
56150	55952	QPSK	100	0	0	0	1	0	Reduced	16.72	17.30
56640	56442	QPSK	100	0	0	0	1	0	Reduced	16.68	17.30

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CA_66C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full Power	21.16	22.80
132322	132124	QPSK	1	0	0	0	1	0	Full Power	21.45	22.80
132572	132374	QPSK	1	0	0	0	1	0	Full Power	21.29	22.80
132072	132270	16QAM	1	0	0	0	1	0	Full Power	20.38	21.80
132322	132124	16QAM	1	0	0	0	1	0	Full Power	20.73	21.80
132572	132374	16QAM	1	0	0	0	1	0	Full Power	20.65	21.80
132072	132270	64QAM	1	0	0	0	1	0	Full Power	19.44	20.80
132322	132124	64QAM	1	0	0	0	1	0	Full Power	19.84	20.80
132572	132374	64QAM	1	0	0	0	1	0	Full Power	18.77	20.80
132072	132270	256QAM	1	0	0	0	1	0	Full Power	18.47	18.30
132322	132124	256QAM	1	0	0	0	1	0	Full Power	18.61	18.30
132572	132374	256QAM	1	0	0	0	1	0	Full Power	16.66	18.30
132072	132270	QPSK	50	24	0	0	1	0	Reduced	19.82	20.80
132322	132124	QPSK	50	24	0	0	1	0	Reduced	20.02	20.80
132572	132374	QPSK	50	24	0	0	1	0	Reduced	20.01	20.80
132072	132270	QPSK	50	24	0	0	1	0	Reduced	19.35	20.30
132322	132124	QPSK	50	24	0	0	1	0	Reduced	19.29	20.30
132572	132374	QPSK	50	24	0	0	1	0	Reduced	19.61	20.30

CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39688	QPSK	1	49	0	0	1	0	Full Power	21.89	23.80
39750	39648	QPSK	1	49	0	0	1	0	Full Power	21.96	23.80
40185	39687	QPSK	1	49	0	0	1	0	Full Power	21.98	23.80
40620	40422	QPSK	1	49	0	0	1	0	Full Power	22.08	23.80
41055	40857	QPSK	1	49	0	0	1	0	Full Power	22.02	23.80
41490	41292	QPSK	1	49	0	0	1	0	Full Power	22.06	23.80
39750	39688	16QAM	1	49	0	0	1	0	Full Power	21.24	22.80
39750	39648	16QAM	1	49	0	0	1	0	Full Power	21.42	22.80
40185	39687	16QAM	1	49	0	0	1	0	Full Power	21.51	22.80
40620	40422	16QAM	1	49	0	0	1	0	Full Power	21.01	22.80
41055	40857	16QAM	1	49	0	0	1	0	Full Power	20.97	22.80
41490	41292	16QAM	1	49	0	0	1	0	Full Power	20.87	22.80
39750	39688	64QAM	1	49	0	0	1	0	Full Power	20.12	21.80
39750	39648	64QAM	1	49	0	0	1	0	Full Power	20.05	21.80
40185	39687	64QAM	1	49	0	0	1	0	Full Power	20.34	21.80
40620	40422	64QAM	1	49	0	0	1	0	Full Power	19.95	21.80
41055	40857	64QAM	1	49	0	0	1	0	Full Power	19.94	21.80
41490	41292	64QAM	1	49	0	0	1	0	Full Power	19.81	21.80
39750	39688	256QAM	1	49	0	0	1	0	Full Power	17.99	19.30
39750	39648	256QAM	1	49	0	0	1	0	Full Power	18.02	19.30
40185	39687	256QAM	1	49	0	0	1	0	Full Power	18.05	19.30
40620	40422	256QAM	1	49	0	0	1	0	Full Power	18.07	19.30
41055	40857	256QAM	1	49	0	0	1	0	Full Power	17.88	19.30
41490	41292	256QAM	1	49	0	0	1	0	Full Power	18.08	19.30
39750	39688	QPSK	1	49	0	0	1	0	Reduced	17.82	18.80
39750	39648	QPSK	1	49	0	0	1	0	Reduced	17.86	18.80
40185	39687	QPSK	1	49	0	0	2	0	Reduced	17.53	18.80
40620	40422	QPSK	1	49	0	0	2	0	Reduced	17.84	18.80
41055	40857	QPSK	1	49	0	0	2	0	Reduced	17.79	18.80
41490	41292	QPSK	1	49	0	0	2	0	Reduced	17.83	18.80
39750	39688	QPSK	50	24	0	0	1	0	Reduced	18.72	19.80
39750	39648	QPSK	50	24	0	0	1	0	Reduced	18.79	19.80
40185	39687	QPSK	50	24	0	0	2	0	Reduced	18.63	19.80
40620	40422	QPSK	50	24	0	0	2	0	Reduced	18.01	19.80
41055	40857	QPSK	50	24	0	0	2	0	Reduced	18.86	19.80
41490	41292	QPSK	50	24	0	0	2	0	Reduced	18.98	19.80

CA_41C-HPUE											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MFR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39790	39988	QPSK	1	49	0	0	1	0	Full Power	25.22	26.30
39790	39948	QPSK	1	49	0	0	1	0	Full Power	25.19	26.30
40185	39987	QPSK	1	49	0	0	1	0	Full Power	24.95	26.30
40620	40422	QPSK	1	49	0	0	1	0	Full Power	25.29	26.30
41055	40857	QPSK	1	49	0	0	1	0	Full Power	25.06	26.30
41490	41292	QPSK	1	49	0	0	1	0	Full Power	25.09	26.30
39790	39988	16QAM	1	49	0	0	1	0	Full Power	24.06	25.30
39790	39948	16QAM	1	49	0	0	1	0	Full Power	24.13	25.30
40185	39987	16QAM	1	49	0	0	1	0	Full Power	24.21	25.30
40620	40422	16QAM	1	49	0	0	1	0	Full Power	24.13	25.30
41055	40857	16QAM	1	49	0	0	1	0	Full Power	23.96	25.30
41490	41292	16QAM	1	49	0	0	1	0	Full Power	24.11	25.30
39790	39988	64QAM	1	49	0	0	1	0	Full Power	22.86	24.30
39790	39948	64QAM	1	49	0	0	1	0	Full Power	22.85	24.30
40185	39987	64QAM	1	49	0	0	1	0	Full Power	23.04	24.30
40620	40422	64QAM	1	49	0	0	1	0	Full Power	22.79	24.30
41055	40857	64QAM	1	49	0	0	1	0	Full Power	22.63	24.30
41490	41292	64QAM	1	49	0	0	1	0	Full Power	23.03	24.30
39790	39988	256QAM	1	49	0	0	1	0	Full Power	19.96	21.60
39790	39948	256QAM	1	49	0	0	1	0	Full Power	20.01	21.60
40185	39987	256QAM	1	49	0	0	1	0	Full Power	20.23	21.60
40620	40422	256QAM	1	49	0	0	1	0	Full Power	20.05	21.60
41055	40857	256QAM	1	49	0	0	1	0	Full Power	19.98	21.60
41490	41292	256QAM	1	49	0	0	1	0	Full Power	20.24	21.60
39790	39988	QPSK	50	24	0	0	1	0	Reduced	20.42	21.30
39790	39948	QPSK	50	24	0	0	1	0	Reduced	20.87	21.30
40185	39987	QPSK	50	24	0	0	1	0	Reduced	21.06	21.30
40620	40422	QPSK	50	24	0	0	1	0	Reduced	20.48	21.30
41055	40857	QPSK	50	24	0	0	1	0	Reduced	20.35	21.30
41490	41292	QPSK	50	24	0	0	1	0	Reduced	20.59	21.30
39790	39988	QPSK	50	24	0	0	1	0	Reduced	21.43	22.30
39790	39948	QPSK	50	24	0	0	1	0	Reduced	21.47	22.30
40185	39987	QPSK	50	24	0	0	1	0	Reduced	21.49	22.30
40620	40422	QPSK	50	24	0	0	1	0	Reduced	21.51	22.30
41055	40857	QPSK	50	24	0	0	1	0	Reduced	21.37	22.30
41490	41292	QPSK	50	24	0	0	1	0	Reduced	21.41	22.30

Full Power for UAT

n2 (only SC/5150KHz has 5M BW)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				1860	1860	1860		
20	PQ2 BPSK	1	1	20.89	20.92	21.38	22.5	0
20	PQ2 BPSK	1	53	20.95	20.78	21.07		
20	PQ2 BPSK	1	104	20.89	20.85	20.95		
20	PQ2 BPSK	50	0	20.42	20.69	21.06	22.5	0
20	PQ2 BPSK	50	38	20.42	20.55	21		
20	PQ2 BPSK	50	55	20.38	20.77	21.05		
20	PQ2 BPSK	100	0	20.48	20.65	20.89	22.5	0
20	QPSK	1	1	21.61	21.2	21.5		
20	QPSK	1	53	20.96	21.38	21.41		
20	QPSK	1	104	21.18	21.37	21.39	22.5	0
20	QPSK	50	0	20.91	20.4	20.48		
20	QPSK	50	28	20.96	21.35	21.39		
20	QPSK	50	58	20.1	20.49	20.47	21.5	1
20	QPSK	100	0	20.02	20.47	20.48		
20	16QAM	1	1	20.08	20.2	20.48	21.5	1
20	64QAM	1	1	18.38	18.71	18.91	20	2.5
20	256QAM	1	1	16.71	16.93	17.03	18	4.5
Channel				377000	376000	375000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				1867.5	1860	1862.5		
15	QPSK	1	1	20.83	21.18	21.45	22.5	0
Channel				371000	376000	381000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				1859	1860	1860		
10	QPSK	1	1	20.77	21.15	21.25	22.5	0
Channel				370500	376000	381500	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				1862.5	1860	1867.5		

n5 (only SC/5150KHz has 5M BW)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				834	834.5	835		
20	PQ2 BPSK	1	1	23.19	23.19	23.05	24.3	0
20	PQ2 BPSK	1	53	23.05	23.08	22.95		
20	PQ2 BPSK	1	104	22.98	23.11	22.85		
20	PQ2 BPSK	50	0	23.15	23.05	22.78	24.3	0
20	PQ2 BPSK	50	28	22.89	22.89	22.45		
20	PQ2 BPSK	50	55	22.74	22.65	22.6		
20	PQ2 BPSK	100	0	23.11	22.95	22.78	24.3	0
20	QPSK	1	1	23.28	23.5	23.27		
20	QPSK	1	53	23.15	23.14	23.13		
20	QPSK	1	104	23.15	23.18	23.05	24.3	0
20	QPSK	50	0	23.2	23.22	22.17		
20	QPSK	50	28	23.09	23.1	23.08		
20	QPSK	50	58	22.14	22.17	22.15	23.3	1
20	QPSK	100	0	22.21	22.23	22.2		
20	16QAM	1	1	22.32	22.35	22.28	23.3	1
20	64QAM	1	1	20.73	20.74	22.55	21.8	2.5
20	256QAM	1	1	18.96	18.99	18.78	19.8	4.5
Channel				167300	167300	167300	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				831.5	835.5	841.5		
15	QPSK	1	1	23.28	23.2	23.19	24.3	0
Channel				166800	167300	166800	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				829	834.5	844		
10	QPSK	1	1	23.09	23.05	23.08	24.3	0
Channel				166300	167300	166300	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				826.5	835.5	846.5		

n66 (only SC3150Hz has 9M BW)								
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				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1740	1760		
20	PI/2 BPSK	1	1	20.96	21.06	21.01	22.5	0
20	PI/2 BPSK	1	53	20.67	20.78	20.6		
20	PI/2 BPSK	1	104	20.89	20.92	20.39		
20	PI/2 BPSK	50	0	20.89	20.87	20.98	22.5	0
20	PI/2 BPSK	50	26	20.40	20.45	20.44		
20	PI/2 BPSK	50	56	20.56	20.63	20.58		
20	PI/2 BPSK	100	0	20.78	20.89	20.45	22.5	0
20	QPSK	1	1	21.02	21.07	21.06		
20	QPSK	1	53	20.95	21.02	21		
20	QPSK	1	104	21	20.99	20.98	22.5	0
20	QPSK	50	0	19.95	20.03	20.02		
20	QPSK	50	28	20.86	20.91	20.9		
20	QPSK	50	56	19.92	19.94	20.01	21.5	1
20	QPSK	100	0	19.87	19.95	19.93		
20	16QAM	1	1	19.98	20.04	20.03		
20	64QAM	1	1	18.3	18.44	18.71	20	2.5
20	256QAM	1	1	16.73	16.66	16.83	18	4.5
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1740	1772.5		
15	QPSK	1	1	20.96	21	20.99	22.5	0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1740	1775		
10	QPSK	1	1	20.96	20.92	20.88	22.5	0
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1740	1777.5		

n71 (only SC3150Hz has 9M BW)								
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				136000	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670	680.5	688		
20	PI/2 BPSK	1	1	23.11	23.13	23.01	24.3	0
20	PI/2 BPSK	1	53	22.9	23.01	22.85		
20	PI/2 BPSK	1	104	22.89	22.89	22.77		
20	PI/2 BPSK	50	0	22.98	22.78	22.62	24.3	0
20	PI/2 BPSK	50	26	22.40	22.45	22.39		
20	PI/2 BPSK	50	56	22.39	22.32	22.34		
20	PI/2 BPSK	100	0	22.62	22.44	22.52	24.3	0
20	QPSK	1	1	23.17	23.19	23.13		
20	QPSK	1	53	23.13	23.15	23.06		
20	QPSK	1	104	22.96	22.98	22.76	24.3	0
20	QPSK	50	0	22.13	22.15	22.03		
20	QPSK	50	28	22.97	23	22.92		
20	QPSK	50	56	22.11	22.16	21.97	23.3	1
20	QPSK	100	0	22.03	22.06	22.05		
20	16QAM	1	1	22.23	22.13	22.2		
20	64QAM	1	1	20.74	20.61	20.56	21.8	2.5
20	256QAM	1	1	18.99	18.95	18.81	19.8	4.5
Channel				136100	137100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.16	23.06	23.07	24.3	0
Channel				136000	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	692		
10	QPSK	1	1	23.02	22.88	22.92	24.3	0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		

n41								
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				505200	518600	528000		
Frequency (MHz)				2546	2593	2640		
100	PI2 BPSK	1	1	2145	2162	2136	23.3	0
100	PI2 BPSK	1	137	2133	2149	2165		
100	PI2 BPSK	1	271	2129	2133	2139		
100	PI2 BPSK	135	0	2145	2152	2156	23.3	0
100	PI2 BPSK	135	69	2139	2129	2166		
100	PI2 BPSK	135	138	2133	216	2123		
100	PI2 BPSK	270	0	214	2144	2134	23.3	0
100	QPSK	1	1	2165	2205	2191	23.3	0
100	QPSK	1	137	2134	2195	2168		
100	QPSK	1	271	2142	2177	2145		
100	QPSK	135	0	214	2175	2148	23.3	0
100	QPSK	135	69	2153	2183	2162		
100	QPSK	135	138	2147	2182	2167		
100	QPSK	270	0	2145	2168	2158	23.3	0
100	16QAM	1	1	2141	2175	2152	23.3	0
100	64QAM	1	1	2153	2188	2155	23.3	0
100	256QAM	1	1	1985	2021	1998	18.8	4.5
Channel				508200	518600	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593	2645		
90	QPSK	1	1	2145	2183	2202	23.3	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2593	2650		
80	QPSK	1	1	2142	217	2198	23.3	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593	2660		
60	QPSK	1	1	2134	216	2194	23.3	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521	2593	2665		
50	QPSK	1	1	2132	2162	2198	23.3	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2670		
40	QPSK	1	1	2151	2188	2203	23.3	0
Channel				501200	518600	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2500	2593	2680		
20	QPSK	1	1	2135	2178	2197	23.3	0

Reduced power level 1 for Head-UAT

r2 (only SCS150kHz has 9M BW)													
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	PI2 BPSK	1	1	14.83	14.96	15.3	16.5	0	MPR (dB)				
	PI2 BPSK	1	53	14.99	14.82	15.11							
	PI2 BPSK	1	104	14.82	14.89	14.99							
20	PI2 BPSK	50	0	14.46	14.73	15.1	16.5	0	MPR (dB)				
	PI2 BPSK	50	26	14.49	14.6	15.04							
	PI2 BPSK	50	56	14.3	14.81	15.09							
20	PI2 BPSK	100	0	14.52	14.69	14.93	16.5	0	MPR (dB)				
	QPSK	1	1	15.12	15.26	15.59							
	QPSK	1	53	14.96	15.38	15.41							
20	QPSK	1	104	15.18	15.37	15.39	16.5	0	MPR (dB)				
	QPSK	50	0	15.08	15.47	15.51							
	QPSK	50	26	15.1	15.47	15.55							
20	QPSK	50	56	15.17	15.36	15.54	16.5	0	MPR (dB)				
	QPSK	100	0	15.09	15.54	15.55							
	16QAM	1	1	15.11	15.25	15.53							
20	64QAM	1	1	14.99	15.02	15	16.5	0	MPR (dB)				
	256QAM	1	1	14.73	14.65	15.05							
	Channel												
Frequency (MHz)													
15	QPSK	1	1	14.7	15.03	15.22	16.5	0	MPR (dB)				
	Channel												
	Frequency (MHz)												
10	QPSK	1	1	14.63	14.96	15.05	16.5	0	MPR (dB)				
	Channel												
	Frequency (MHz)												
5	QPSK	1	1	14.74	15.07	15.18	16.5	0	MPR (dB)				
	Channel												
	Frequency (MHz)												
5	QPSK	1	1	14.63	15.11	15.06	16.5	0	MPR (dB)				
	Channel												
	Frequency (MHz)												

r5 (only SCS150kHz has 9M BW)									
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	PI2 BPSK	1	1	21.15	21.21	21.11	22.3	0	
20	PI2 BPSK	1	53	21.11	21.04	21.01			
20	PI2 BPSK	1	104	21.04	21.17	20.91			
20	PI2 BPSK	50	0	21.21	21.11	20.95	22.3	0	
20	PI2 BPSK	50	26	20.75	20.95	20.91			
20	PI2 BPSK	50	56	20.8	20.72	20.66			
20	PI2 BPSK	100	0	21.17	21.01	20.84	22.3	0	
20	QPSK	1	1	21.35	21.36	21.32			
20	QPSK	1	53	21.18	21.17	21.16			
20	QPSK	1	104	21.16	21.19	21.08	22.3	0	
20	QPSK	50	0	21.19	21.21	21.16			
20	QPSK	50	26	21.12	21.23	21.11			
20	QPSK	50	56	21.13	21.16	21.14	22.3	0	
20	QPSK	100	0	21.2	21.22	21.18			
20	16QAM	1	1	21.11	21.14	21.12			
20	64QAM	1	1	19.72	19.73	20.24	21.3	1	
20	256QAM	1	1	19.06	19.99	19.78	21.3	2.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.19	21.11	21.1	22.3	0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21	20.97	20.96	22.3	0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.93	20.88	20.95	22.3	0	

r66 (only SCS150kHz has 9M BW)									
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)				1720	1746	1770			
20	PI2 BPSK	1	1	13.84	13.73	13.89	15	0	
20	PI2 BPSK	1	53	13.35	13.46	13.28			
20	PI2 BPSK	1	104	13.87	13.6	13.07			
20	PI2 BPSK	50	0	13.37	13.36	13.24	15	0	
20	PI2 BPSK	50	26	13.17	13.13	13.12			
20	PI2 BPSK	50	56	13.24	13.31	13.26			
20	PI2 BPSK	100	0	13.46	13.57	13.13	15	0	
20	QPSK	1	1	14.03	14.08	14.07			
20	QPSK	1	53	13.96	14.03	14.01			
20	QPSK	1	104	14.01	14	14	15	0	
20	QPSK	50	0	13.26	13.34	13.33			
20	QPSK	50	26	13.87	13.82	13.91			
20	QPSK	50	56	13.53	13.48	13.42	15	0	
20	QPSK	100	0	13.87	13.76	13.73			
20	16QAM	1	1	13.78	13.84	13.83			
20	64QAM	1	1	13.02	13.16	13.43	15	0	
20	256QAM	1	1	13.72	13.66	13.82	15	0	
Channel									
Frequency (MHz)				34300 <th>34500<th>34500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	34500 <th>34500<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	34500 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.97	14.01	14	15		
Channel									
Frequency (MHz)				34300 <th>34500<th>35000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	34500 <th>35000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	35000 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.87	13.93	13.89	15	0	
Channel									
Frequency (MHz)				34300 <th>34500<th>35000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	34500 <th>35000<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	35000 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	13.75	13.82	13.71	15	0	

n41								
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				509200	518600	528000		
Frequency (MHz)				2546	2593	2640		
100	PI2 BPSK	1	1	18.04	18.21	17.95	19.8	0
100	PI2 BPSK	1	137	17.92	18.08	18.24		
100	PI2 BPSK	1	271	17.86	17.92	17.98		
100	PI2 BPSK	135	0	18.04	18.11	18.15	19.8	0
100	PI2 BPSK	135	69	17.98	17.88	18.25		
100	PI2 BPSK	135	138	17.92	18.19	17.82		
100	PI2 BPSK	270	0	17.98	18.03	17.93	19.8	0
100	QPSK	1	1	18.62	18.63	18.71	19.8	0
100	QPSK	1	137	18.35	18.66	18.52		
100	QPSK	1	271	18.23	18.51	18.22		
100	QPSK	135	0	18.28	18.39	18.24	19.8	0
100	QPSK	135	69	18.52	18.71	18.46		
100	QPSK	135	138	18.28	18.68	18.49		
100	QPSK	270	0	18.35	18.48	18.44	19.8	0
100	16QAM	1	1	18.25	18.52	18.32	19.8	0
100	64QAM	1	1	18.36	18.56	18.37	19.8	0
100	256QAM	1	1	18.32	18.36	18.32	19.8	0
Channel				509200	518600	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593	2645		
90	QPSK	1	1	18.25	18.45	18.81	19.8	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2593	2660		
80	QPSK	1	1	18.26	18.41	18.65	19.8	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593	2660		
60	QPSK	1	1	18.22	18.39	18.42	19.8	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521	2593	2665		
50	QPSK	1	1	18.19	18.44	18.33	19.8	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2670		
40	QPSK	1	1	18.22	18.62	18.56	19.8	0
Channel				501200	518600	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680		
20	QPSK	1	1	18.19	18.59	18.47	19.8	0

n41								
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				505200	518600	526000		
Frequency (MHz)				2540	2593	2645		
100	PI/2 BPSK	1	1	19.73	20.03	19.69	20.9	0
100	PI/2 BPSK	1	137	19.84	19.99	20.01		
100	PI/2 BPSK	1	271	19.99	20.06	19.69		
100	PI/2 BPSK	135	0	19.71	20.04	20.08	20.9	0
100	PI/2 BPSK	135	69	19.95	19.78	19.84		
100	PI/2 BPSK	135	138	19.74	19.84	19.78		
100	PI/2 BPSK	270	0	19.65	19.72	19.61	20.9	0
100	QPSK	1	1	20.15	20.2	20.19	20.9	0
100	QPSK	1	137	19.92	20.1	20.16		
100	QPSK	1	271	19.85	20.16	19.84		
100	QPSK	135	0	20.02	20.06	19.96	20.9	0
100	QPSK	135	69	19.98	20.16	19.99		
100	QPSK	135	138	19.55	19.95	19.89		
100	QPSK	270	0	19.82	19.94	19.93	20.9	0
100	16QAM	1	1	19.8	19.97	19.94	20.9	0
100	64QAM	1	1	19.67	19.69	19.67	20.9	0
100	256QAM	1	1	19.56	19.57	19.52	20.9	0
Channel				508200	518600	526000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2593	2645		
90	QPSK	1	1	19.93	20.05	20.11	20.9	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2593	2650		
80	QPSK	1	1	19.87	19.86	20.09	20.9	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2593	2660		
60	QPSK	1	1	19.89	19.93	19.98	20.9	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621	2593	2665		
50	QPSK	1	1	19.85	19.86	19.98	20.9	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616	2593	2670		
40	QPSK	1	1	19.96	20.03	20.06	20.9	0
Channel				501200	518600	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2608	2593	2680		
20	QPSK	1	1	19.99	20.05	19.97	20.9	0

Reduced power level 2 for Head-UAT

n2 (only SCS150kHz has 5M BW)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	13.47	13.5	13.84	
20	PI/2 BPSK	1	53	13.53	13.36	13.85	
20	PI/2 BPSK	1	104	13.46	13.43	13.53	
20	PI/2 BPSK	50	0	13	13.27	13.64	
20	PI/2 BPSK	50	28	13.03	13.14	13.58	
20	PI/2 BPSK	50	56	12.84	13.35	13.83	
20	PI/2 BPSK	100	0	13.06	13.23	13.47	
20	QPSK	1	1	13.81	13.85	14.28	
20	QPSK	1	53	13.65	14.05	14.1	
20	QPSK	1	104	13.87	14.04	14.08	
20	QPSK	50	0	13.77	14.14	14.2	
20	QPSK	50	28	13.79	14.16	14.24	
20	QPSK	50	56	13.86	14.03	14.23	
20	QPSK	100	0	13.78	14.22	14.24	
20	16QAM	1	1	13.66	13.82	14.1	
20	64QAM	1	1	13.57	13.59	13.58	
20	256QAM	1	1	13.31	13.52	13.63	
Channel				371500	376000	380500	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	13.5	13.7	13.88	
Channel				371000	376000	381000	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	13.34	13.62	13.75	
Channel				370500	376000	381500	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	13.23	13.68	13.61	

n5 (only SCS150kHz has 5M BW)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	17.28	17.22	17.12	
20	PI/2 BPSK	1	53	17.12	17.06	17.02	
20	PI/2 BPSK	1	104	17.05	17.18	16.92	
20	PI/2 BPSK	50	0	17.22	17.12	16.86	
20	PI/2 BPSK	50	28	16.78	16.96	16.52	
20	PI/2 BPSK	50	56	16.81	16.73	16.67	
20	PI/2 BPSK	100	0	17.18	17.02	16.85	
20	QPSK	1	1	17.44	17.48	17.45	
20	QPSK	1	53	17.32	17.52	17.3	
20	QPSK	1	104	17.31	17.34	17.23	
20	QPSK	50	0	17.43	17.45	17.4	
20	QPSK	50	28	17.37	17.38	17.35	
20	QPSK	50	56	17.33	17.34	17.32	
20	QPSK	100	0	17.34	17.38	17.35	
20	16QAM	1	1	17.27	17.53	17.31	
20	64QAM	1	1	17.18	17.28	17.14	
20	256QAM	1	1	17.13	17.18	17.14	
Channel				166300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	17.24	17.28	17.25	
Channel				165800	167300	168800	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	17.15	17.12	17.14	
Channel				165300	167300	169300	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	17.08	17.03	17.1	

n66 (only SCS190kHz has 5M BW)								
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				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	13.02	13.11	13.07		
20	PI2 BPSK	1	53	12.73	12.84	12.66	14.5	0
20	PI2 BPSK	1	104	12.95	12.98	12.45		
20	PI2 BPSK	50	0	12.75	12.73	12.62		
20	PI2 BPSK	50	28	12.55	12.51	12.5	14.5	0
20	PI2 BPSK	50	56	12.62	12.69	12.64		
20	PI2 BPSK	100	0	12.84	12.95	12.51	14.5	0
20	QPSK	1	1	13.52	13.59	13.53		
20	QPSK	1	53	13.45	13.52	13.51	14.5	0
20	QPSK	1	104	13.52	13.55	13.48		
20	QPSK	50	0	13.02	13.15	13.11		
20	QPSK	50	28	13.4	13.48	13.44	14.5	0
20	QPSK	50	56	13.12	13.19	13.12		
20	QPSK	100	0	13.58	13.41	13.32	14.5	0
20	16QAM	1	1	13.32	13.35	13.31	14.5	0
20	64QAM	1	1	12.69	12.89	12.88	14.5	0
20	256QAM	1	1	13.05	13.25	13.31	14.5	0
Channel				343500	346000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	13.48	13.49	13.52	14.5	0
Channel				343500	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	13.33	13.42	13.41	14.5	0
Channel				342500	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	13.35	13.31	13.3	14.5	0

n71 (only SCS190kHz has 5M BW)								
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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	690.5	698		
20	PI2 BPSK	1	1	18.15	18.17	18.05		
20	PI2 BPSK	1	53	18.03	18.14	17.98	19.3	0
20	PI2 BPSK	1	104	18.02	18.02	17.9		
20	PI2 BPSK	50	0	17.69	17.91	17.75		
20	PI2 BPSK	50	28	17.62	17.58	17.52	19.3	0
20	PI2 BPSK	50	56	17.52	17.45	17.47		
20	PI2 BPSK	100	0	17.75	17.57	17.65	19.3	0
20	QPSK	1	1	18.36	18.36	18.32		
20	QPSK	1	53	18.32	18.34	18.24	19.3	0
20	QPSK	1	104	18.18	18.2	17.98		
20	QPSK	50	0	17.58	17.6	17.48		
20	QPSK	50	28	18.23	18.25	18.21	19.3	0
20	QPSK	50	56	17.95	17.96	17.82		
20	QPSK	100	0	18.22	18.25	18.21	19.3	0
20	16QAM	1	1	18.18	18.23	18.19	19.3	0
20	64QAM	1	1	18.14	18.21	18.19	19.3	0
20	256QAM	1	1	18.24	18.26	18.18	19.3	0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	690.5	690.5		
15	QPSK	1	1	18.03	18.03	18.01	19.3	0
Channel				133600	136100	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	690.5	693		
10	QPSK	1	1	17.99	17.85	17.89	19.3	0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	690.5	695.5		
5	QPSK	1	1	17.9	17.81	17.78	19.3	0

n41								
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				505200	518000	526000		
Frequency (MHz)				2546	2593	2640		
100	PI2 BPSK	1	1	17.07	17.24	16.96	18.8	0
100	PI2 BPSK	1	137	16.95	17.11	17.27		
100	PI2 BPSK	1	271	16.91	16.95	17.01		
100	PI2 BPSK	135	0	17.07	17.14	17.18	18.8	0
100	PI2 BPSK	135	69	17.01	16.91	17.28		
100	PI2 BPSK	135	138	16.95	17.22	16.85		
100	PI2 BPSK	270	0	17.02	17.06	16.96	18.8	0
100	QPSK	1	1	17.66	17.66	17.78	18.8	0
100	QPSK	1	137	17.36	17.66	17.52		
100	QPSK	1	271	17.28	17.56	17.21		
100	QPSK	135	0	17.25	17.56	17.53	18.8	0
100	QPSK	135	69	17.62	17.76	17.53		
100	QPSK	135	138	17.45	17.62	17.41		
100	QPSK	270	0	17.32	17.56	17.45	18.8	0
100	16QAM	1	1	17.33	17.41	17.26	18.8	0
100	64QAM	1	1	17.39	17.56	17.43	18.8	0
100	256QAM	1	1	17.31	17.33	17.26	18.8	0
Channel				508200	518000	526000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593	2645		
90	QPSK	1	1	17.21	17.46	17.82	18.8	0
Channel				507200	518000	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2593	2650		
80	QPSK	1	1	17.32	17.52	17.41	18.8	0
Channel				506200	518000	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593	2660		
60	QPSK	1	1	17.36	17.52	17.33	18.8	0
Channel				504200	518000	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521	2593	2665		
50	QPSK	1	1	17.15	17.23	17.31	18.8	0
Channel				503200	518000	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2670		
40	QPSK	1	1	17.29	17.44	17.41	18.8	0
Channel				501200	518000	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680		
20	QPSK	1	1	17.33	17.34	17.21	18.8	0

n41								
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				505200	518600	526000	19.9	0
Frequency (MHz)				2540	2593	2640		
100	PI/2 BPSK	1	1	19.97	19.27	19.93		
100	PI/2 BPSK	1	137	19.08	19.23	19.25		
100	PI/2 BPSK	1	271	19.23	19.3	19.93	19.9	0
100	PI/2 BPSK	135	0	19.95	19.28	19.32		
100	PI/2 BPSK	135	69	19.19	19.02	19.08		
100	PI/2 BPSK	135	138	19.98	19.08	19.02		
100	PI/2 BPSK	270	0	18.89	18.96	18.85	19.9	0
100	QPSK	1	1	19.42	19.45	19.44	19.9	0
100	QPSK	1	137	19.25	19.39	19.41		
100	QPSK	1	271	19.22	19.37	19.3		
100	QPSK	135	0	19.24	19.28	19.18		
100	QPSK	135	69	19.26	19.33	19.31	19.9	0
100	QPSK	135	138	19.08	19.17	19.11	19.9	0
100	QPSK	270	0	19.09	19.26	19.18		
100	16QAM	1	1	19.05	19.22	19.19		
100	64QAM	1	1	18.89	18.87	18.62		
100	256QAM	1	1	18.75	18.91	18.83	19.9	0
Channel				508200	518600	526000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2593	2645		
90	QPSK	1	1	19.08	19.2	19.25		
Channel				507200	518600	530000		
Frequency (MHz)				2636	2593	2650	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.02	19.01	19.27		
Channel				505200	518600	532000		
Frequency (MHz)				2626	2593	2660		
60	QPSK	1	1	19.04	19.08	19.16	19.9	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621	2593	2665		
50	QPSK	1	1	18.94	19.01	19.07		
Channel				503200	518600	534000		
Frequency (MHz)				2616	2593	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.05	19.18	19.12		
Channel				501200	518600	536000		
Frequency (MHz)				2608	2593	2680		
20	QPSK	1	1	19.08	19.2	19.06	19.9	0

Reduced power level 3 for Head-UAT

n2 (only SCS190kHz has 5M BW)									
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	13.47	13.5	13.84	15	0	
20	PI2 BPSK	1	53	13.53	13.36	13.65			
20	PI2 BPSK	1	104	13.46	13.43	13.63			
20	PI2 BPSK	50	0	13	13.27	13.64	15	0	
20	PI2 BPSK	50	28	13.03	13.14	13.58			
20	PI2 BPSK	50	56	12.84	13.35	13.63			
20	PI2 BPSK	100	0	13.06	13.23	13.47	15	0	
20	QPSK	1	1	13.81	13.95	14.28	15	0	
20	QPSK	1	53	13.65	14.05	14.1			
20	QPSK	1	104	13.87	14.04	14.08			
20	QPSK	50	0	13.77	14.14	14.2	15	0	
20	QPSK	50	28	13.79	14.16	14.24			
20	QPSK	50	56	13.86	14.03	14.23			
20	QPSK	100	0	13.78	14.22	14.24	15	0	
20	16QAM	1	1	13.66	13.82	14.1	15	0	
20	64QAM	1	1	13.57	13.59	13.58	15	0	
20	256QAM	1	1	13.31	13.52	13.63	15	0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	13.5	13.7	13.86	15	0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	13.34	13.62	13.75	15	0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	13.23	13.68	13.61	15	0	

n5 (only SCS19KHz has 5M BW)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	17.26	17.22	17.12	18.3	0	
20	PI2 BPSK	1	53	17.12	17.05	17.02			
20	PI2 BPSK	1	104	17.05	17.18	16.92			
20	PI2 BPSK	50	0	17.22	17.12	16.86	18.3	0	
20	PI2 BPSK	50	28	16.76	16.98	16.92			
20	PI2 BPSK	50	56	16.81	16.73	16.67			
20	PI2 BPSK	100	0	17.18	17.02	16.85	18.3	0	
20	QPSK	1	1	17.44	17.46	17.45	18.3	0	
20	QPSK	1	53	17.32	17.32	17.3			
20	QPSK	1	104	17.31	17.34	17.23			
20	QPSK	50	0	17.43	17.45	17.4	18.3	0	
20	QPSK	50	28	17.37	17.38	17.35			
20	QPSK	50	56	17.33	17.34	17.32			
20	QPSK	100	0	17.34	17.36	17.35	18.3	0	
20	16QAM	1	1	17.27	17.33	17.31	18.3	0	
20	64QAM	1	1	17.18	17.26	17.14	18.3	0	
20	256QAM	1	1	17.13	17.18	17.14	18.3	0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	17.24	17.26	17.25	18.3	0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	17.15	17.12	17.14	18.3	0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	17.08	17.03	17.1	18.3	0	

n86 (only SCS19KHz has 5M BW)									
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				344800	348000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	13.64	13.73	13.69	15	0	
20	PI2 BPSK	1	53	13.35	13.46	13.28			
20	PI2 BPSK	1	104	13.57	13.6	13.07			
20	PI2 BPSK	50	0	13.37	13.35	13.24	15	0	
20	PI2 BPSK	50	28	13.17	13.13	13.12			
20	PI2 BPSK	50	56	13.24	13.31	13.26			
20	PI2 BPSK	100	0	13.46	13.57	13.13	15	0	
20	QPSK	1	1	14.03	14.06	14.07	15	0	
20	QPSK	1	53	13.96	14.03	14.01			
20	QPSK	1	104	14.01	14	14			
20	QPSK	50	0	13.26	13.34	13.33	15	0	
20	QPSK	50	28	13.87	13.92	13.91			
20	QPSK	50	56	13.53	13.48	13.42			
20	QPSK	100	0	13.87	13.75	13.73	15	0	
20	16QAM	1	1	13.78	13.84	13.83	15	0	
20	64QAM	1	1	13.02	13.16	13.43	15	0	
20	256QAM	1	1	13.72	13.65	13.82	15	0	
Channel				343800	348000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	13.97	14.01	14	15	0	
Channel				343300	348000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	13.87	13.93	13.89	15	0	
Channel				342800	348000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	13.75	13.82	13.71	15	0	

n71 (only SC519KHz has 9MBW)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Midpt. Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	18.15	18.17	18.05	19.3	0
20	PI2 BPSK	1	53	18.03	18.14	17.96		
20	PI2 BPSK	1	104	18.02	18.02	17.9		
20	PI2 BPSK	50	0	17.69	17.91	17.75	19.3	0
20	PI2 BPSK	50	28	17.62	17.88	17.52		
20	PI2 BPSK	50	56	17.52	17.45	17.47		
20	PI2 BPSK	100	0	17.75	17.87	17.65	19.3	0
20	QPSK	1	1	18.36	18.26	18.32	19.3	0
20	QPSK	1	53	18.32	18.34	18.24		
20	QPSK	1	104	18.18	18.2	17.98		
20	QPSK	50	0	17.58	17.6	17.48	19.3	0
20	QPSK	50	28	18.23	18.26	18.21		
20	QPSK	50	56	17.95	17.96	17.82		
20	QPSK	100	0	18.22	18.25	18.21	19.3	0
20	16QAM	1	1	18.18	18.23	18.18	19.3	0
20	16QAM	1	1	18.14	18.21	18.18	19.3	0
20	256QAM	1	1	18.24	18.26	18.18	19.3	0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	18.03	18.03	18.01	19.3	0
Channel				135000	136100	137000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688	680.5	693		
10	QPSK	1	1	17.99	17.85	17.89	19.3	0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				685.5	680.5	685.5		
5	QPSK	1	1	17.9	17.81	17.78	19.3	0

n41								
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				509200	518600	528000		
Frequency (MHz)				2546	2593	2640		
100	PV2 BPSK	1	1	18.04	18.21	17.95	19.8	0
100	PV2 BPSK	1	137	17.92	18.08	18.24		
100	PV2 BPSK	1	271	17.86	17.92	17.98		
100	PV2 BPSK	135	0	18.04	18.11	18.15	19.8	0
100	PV2 BPSK	135	69	17.98	17.88	18.25		
100	PV2 BPSK	135	138	17.92	18.19	17.82		
100	PV2 BPSK	270	0	17.98	18.03	17.93	19.8	0
100	QPSK	1	1	18.62	18.63	18.71	19.8	0
100	QPSK	1	137	18.35	18.66	18.52		
100	QPSK	1	271	18.23	18.51	18.22		
100	QPSK	135	0	18.28	18.39	18.24	19.8	0
100	QPSK	135	69	18.52	18.71	18.46		
100	QPSK	135	138	18.28	18.68	18.49		
100	QPSK	270	0	18.35	18.48	18.44	19.8	0
100	16QAM	1	1	18.25	18.52	18.32	19.8	0
100	64QAM	1	1	18.36	18.56	18.37	19.8	0
100	256QAM	1	1	18.32	18.36	18.32	19.8	0
Channel				509200	518600	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593	2645		
90	QPSK	1	1	18.25	18.45	18.81	19.8	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2593	2660		
80	QPSK	1	1	18.26	18.41	18.65	19.8	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593	2660		
60	QPSK	1	1	18.22	18.39	18.42	19.8	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521	2593	2665		
50	QPSK	1	1	18.19	18.44	18.33	19.8	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2670		
40	QPSK	1	1	18.22	18.62	18.56	19.8	0
Channel				501200	518600	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680		
20	QPSK	1	1	18.19	18.59	18.47	19.8	0

n41								
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				505200	518600	526000		
Frequency (MHz)				2540	2593	2645		
100	PI/2 BPSK	1	1	19.73	20.03	19.69	20.9	0
100	PI/2 BPSK	1	137	19.84	19.99	20.01		
100	PI/2 BPSK	1	271	19.99	20.06	19.69		
100	PI/2 BPSK	135	0	19.71	20.04	20.08	20.9	0
100	PI/2 BPSK	135	69	19.95	19.78	19.84		
100	PI/2 BPSK	135	138	19.74	19.84	19.78		
100	PI/2 BPSK	270	0	19.65	19.72	19.61	20.9	0
100	QPSK	1	1	20.15	20.2	20.19	20.9	0
100	QPSK	1	137	19.92	20.1	20.16		
100	QPSK	1	271	19.85	20.16	19.84		
100	QPSK	135	0	20.02	20.06	19.96	20.9	0
100	QPSK	135	69	19.98	20.16	19.99		
100	QPSK	135	138	19.55	19.95	19.89		
100	QPSK	270	0	19.82	19.94	19.93	20.9	0
100	16QAM	1	1	19.8	19.97	19.94	20.9	0
100	64QAM	1	1	19.67	19.69	19.67	20.9	0
100	256QAM	1	1	19.56	19.57	19.52	20.9	0
Channel				508200	518600	526000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2593	2645		
90	QPSK	1	1	19.93	20.05	20.11	20.9	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2593	2650		
80	QPSK	1	1	19.87	19.86	20.09	20.9	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2593	2660		
60	QPSK	1	1	19.89	19.93	19.98	20.9	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621	2593	2665		
50	QPSK	1	1	19.85	19.86	19.98	20.9	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616	2593	2670		
40	QPSK	1	1	19.96	20.03	20.06	20.9	0
Channel				501200	518600	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2608	2593	2680		
20	QPSK	1	1	19.99	20.05	19.97	20.9	0

Reduced power for Hotspot on-UAT

n2 (only SCS19KHz has 5M BW)									
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1880	1900			
20	P12 BPSK	1	1	15.03	15.06	15.4	16.5	0	
20	P12 BPSK	1	53	15.09	14.92	15.21			
20	P12 BPSK	1	104	15.02	14.99	15.09			
20	P12 BPSK	50	0	14.56	14.83	15.2	16.5	0	
20	P12 BPSK	50	28	14.59	14.7	15.14			
20	P12 BPSK	50	56	14.4	14.91	15.19			
20	P12 BPSK	100	0	14.62	14.79	15.03	16.5	0	
20	QPSK	1	1	15.12	15.36	15.59	16.5	0	
20	QPSK	1	53	14.96	15.38	15.41			
20	QPSK	1	104	15.18	15.37	15.39			
20	QPSK	50	0	15.08	15.47	15.61	16.5	0	
20	QPSK	50	28	15.1	15.47	15.55			
20	QPSK	50	56	15.17	15.36	15.54			
20	QPSK	100	0	15.09	15.54	15.55	16.5	0	
20	16QAM	1	1	15.11	15.25	15.53	16.5	0	
20	64QAM	1	1	14.96	15.02	15	16.5	0	
20	256QAM	1	1	14.73	14.95	15.05	16.5	0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1880	1902.5			
15	QPSK	1	1	14.9	15.11	15.32	16.5	0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1880	1905			
10	QPSK	1	1	14.74	15.07	15.18	16.5	0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1880	1907.5			
5	QPSK	1	1	14.63	15.11	15.06	16.5	0	

n5 (only SCS19KHz has 5M BW)									
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				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	P12 BPSK	1	1	17.18	17.14	17.04	18.3	0	
20	P12 BPSK	1	53	17.04	16.97	16.84			
20	P12 BPSK	1	104	16.97	17.1	16.84			
20	P12 BPSK	50	0	17.14	17.04	16.78	18.3	0	
20	P12 BPSK	50	28	16.88	16.88	16.44			
20	P12 BPSK	50	56	16.73	16.65	16.59			
20	P12 BPSK	100	0	17.1	16.94	16.77	18.3	0	
20	QPSK	1	1	17.21	17.42	17.38	18.3	0	
20	QPSK	1	53	17.24	17.23	17.22			
20	QPSK	1	104	17.22	17.25	17.14			
20	QPSK	50	0	17.25	17.27	17.22	18.3	0	
20	QPSK	50	28	17.18	17.23	17.17			
20	QPSK	50	56	17.19	17.22	17.2			
20	QPSK	100	0	17.26	17.28	17.25	18.3	0	
20	16QAM	1	1	17.11	17.14	17.12	18.3	0	
20	64QAM	1	1	17.12	17.13	17.09	18.3	0	
20	256QAM	1	1	17.05	17.06	17.01	18.3	0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	17.19	17.11	17.1	18.3	0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	17	16.97	16.99	18.3	0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	16.93	16.88	16.95	18.3	0	

n8 (only SCS19KHz has 5M BW)									
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				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	P12 BPSK	1	1	15.9	15.99	15.65	17	0	
20	P12 BPSK	1	53	15.81	15.72	15.54			
20	P12 BPSK	1	104	15.83	15.86	15.33			
20	P12 BPSK	50	0	15.83	15.61	15.5	17	0	
20	P12 BPSK	50	28	15.43	15.39	15.38			
20	P12 BPSK	50	56	15.5	15.57	15.52			
20	P12 BPSK	100	0	15.72	15.83	15.39	17	0	
20	QPSK	1	1	15.96	15.95	16	17	0	
20	QPSK	1	53	15.99	15.96	15.94			
20	QPSK	1	104	15.94	15.93	15.93			
20	QPSK	50	0	15.26	15.36	15.29	17	0	
20	QPSK	50	28	15.8	15.83	15.84			
20	QPSK	50	56	15.48	15.41	15.35			
20	QPSK	100	0	15.8	15.86	15.68	17	0	
20	16QAM	1	1	15.71	15.77	15.76	17	0	
20	64QAM	1	1	14.95	15.09	15.36	17	0	
20	256QAM	1	1	15.85	15.58	15.75	17	0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.9	15.94	15.91	17	0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.8	15.86	15.78	17	0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.68	15.75	15.64	17	0	

n71 (only SC519KHz has 9MBW)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Midst Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	18.15	18.17	18.05	19.3	0
20	PI2 BPSK	1	53	18.03	18.14	17.96		
20	PI2 BPSK	1	104	18.02	18.02	17.9		
20	PI2 BPSK	50	0	17.69	17.91	17.75	19.3	0
20	PI2 BPSK	50	28	17.62	17.88	17.52		
20	PI2 BPSK	50	56	17.52	17.45	17.47		
20	PI2 BPSK	100	0	17.75	17.87	17.65	19.3	0
20	QPSK	1	1	18.36	18.26	18.32	19.3	0
20	QPSK	1	53	18.32	18.34	18.24		
20	QPSK	1	104	18.18	18.2	17.98		
20	QPSK	50	0	17.58	17.6	17.48	19.3	0
20	QPSK	50	28	18.23	18.26	18.21		
20	QPSK	50	56	17.95	17.96	17.82		
20	QPSK	100	0	18.22	18.25	18.21	19.3	0
20	16QAM	1	1	18.18	18.23	18.18	19.3	0
20	16QAM	1	1	18.14	18.21	18.18	19.3	0
20	256QAM	1	1	18.24	18.26	18.18	19.3	1
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	18.03	18.03	18.01	19.3	0
Channel				135000	136100	137000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688	680.5	693		
10	QPSK	1	1	17.99	17.85	17.89	19.3	0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				685.5	680.5	685.5		
5	QPSK	1	1	17.9	17.81	17.78	19.3	0

n41								
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				505200	518000	526000	18.8	0
Frequency (MHz)				2546	2593	2640		
100	PI2 BPSK	1	1	17.07	17.24	16.96		
100	PI2 BPSK	1	137	16.95	17.11	17.27		
100	PI2 BPSK	1	271	16.91	16.95	17.01	18.8	0
100	PI2 BPSK	135	0	17.07	17.14	17.18		
100	PI2 BPSK	135	69	17.01	16.91	17.28		
100	PI2 BPSK	135	138	16.95	17.22	16.85		
100	PI2 BPSK	270	0	17.02	17.06	16.96	18.8	0
100	QPSK	1	1	17.66	17.66	17.78	18.8	0
100	QPSK	1	137	17.36	17.66	17.52		
100	QPSK	1	271	17.28	17.56	17.21		
100	QPSK	135	0	17.25	17.56	17.53		
100	QPSK	135	69	17.62	17.76	17.53	18.8	0
100	QPSK	135	138	17.45	17.62	17.41	18.8	0
100	QPSK	270	0	17.32	17.56	17.45		
100	16QAM	1	1	17.33	17.41	17.26		
100	64QAM	1	1	17.39	17.56	17.43		
100	256QAM	1	1	17.31	17.33	17.26	18.8	0
Channel				508200	518000	526000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593	2645	18.8	0
90	QPSK	1	1	17.21	17.46	17.82		
Channel				507200	518000	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2593	2650	18.8	0
80	QPSK	1	1	17.32	17.52	17.41		
Channel				505200	518000	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593	2660	18.8	0
60	QPSK	1	1	17.36	17.52	17.33		
Channel				504200	518000	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521	2593	2665	18.8	0
50	QPSK	1	1	17.15	17.23	17.31		
Channel				503200	518000	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2670	18.8	0
40	QPSK	1	1	17.29	17.44	17.41		
Channel				501200	518000	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680	18.8	0
20	QPSK	1	1	17.33	17.34	17.21		

n41								
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				505200	518600	526000	19.9	0
Frequency (MHz)				2540	2593	2640		
100	PI/2 BPSK	1	1	19.97	19.27	19.93		
100	PI/2 BPSK	1	137	19.08	19.23	19.25		
100	PI/2 BPSK	1	271	19.23	19.3	19.93	19.9	0
100	PI/2 BPSK	135	0	19.95	19.28	19.32		
100	PI/2 BPSK	135	69	19.19	19.02	19.08		
100	PI/2 BPSK	135	138	19.98	19.08	19.02		
100	PI/2 BPSK	270	0	18.89	18.96	18.85	19.9	0
100	QPSK	1	1	19.42	19.45	19.44	19.9	0
100	QPSK	1	137	19.25	19.39	19.41		
100	QPSK	1	271	19.22	19.37	19.3		
100	QPSK	135	0	19.24	19.28	19.18		
100	QPSK	135	69	19.26	19.33	19.31	19.9	0
100	QPSK	135	138	19.08	19.17	19.11	19.9	0
100	QPSK	270	0	19.09	19.26	19.18		
100	16QAM	1	1	19.05	19.22	19.19		
100	64QAM	1	1	18.89	18.87	18.62		
100	256QAM	1	1	18.75	18.91	18.83	19.9	0
Channel				508200	518600	526000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2593	2645		
90	QPSK	1	1	19.08	19.2	19.25		
Channel				507200	518600	530000		
Frequency (MHz)				2636	2593	2650	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.02	19.01	19.27		
Channel				505200	518600	532000		
Frequency (MHz)				2626	2593	2660		
60	QPSK	1	1	19.04	19.08	19.16	19.9	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621	2593	2665		
50	QPSK	1	1	18.94	19.01	19.07		
Channel				503200	518600	534000		
Frequency (MHz)				2616	2593	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.05	19.18	19.12		
Channel				501200	518600	536000		
Frequency (MHz)				2608	2593	2680		
20	QPSK	1	1	19.08	19.2	19.06	19.9	0

n2 (only SCS19KHz has 5M BW)								
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				37000	37600	38000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.39	22.58	22.88	24.3	0
20	PI2 BPSK	1	53	22.32	22.4	22.69		
20	PI2 BPSK	1	104	22.16	22.36	22.39		
20	PI2 BPSK	50	0	22.24	22.50	22.68	24.3	0
20	PI2 BPSK	50	28	22.19	22.13	22.67		
20	PI2 BPSK	50	56	22.28	22.32	22.85		
20	PI2 BPSK	100	0	22.33	22.45	22.84	24.3	0
20	QPSK	1	1	22.55	22.78	23.03	24.3	0
20	QPSK	1	53	22.38	22.74	22.84		
20	QPSK	1	104	22.53	22.75	22.87		
20	QPSK	50	0	21.45	21.77	22.03	24.3	0
20	QPSK	50	28	22.45	22.74	22.82		
20	QPSK	50	56	21.48	21.81	21.96		
20	QPSK	100	0	21.48	21.76	21.8	23.3	1
20	16QAM	1	1	21.52	21.79	22.07	23.3	1
20	64QAM	1	1	19.88	20.13	20.4	21.8	2.5
20	256QAM	1	1	18.31	18.42	18.72	19.8	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.47	22.71	22.94	24.3	0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905		
10	QPSK	1	1	22.37	22.62	22.77	24.3	0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.32	22.7	22.74	24.3	0

n5 (only SCS19KHz has 5M BW)								
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				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.78	22.89	22.59	24.3	0
20	PI2 BPSK	1	53	22.79	22.86	22.78		
20	PI2 BPSK	1	104	22.65	22.78	22.46		
20	PI2 BPSK	50	0	22.59	22.62	22.77	24.3	0
20	PI2 BPSK	50	28	22.34	22.68	22.85		
20	PI2 BPSK	50	56	22.62	22.69	22.45		
20	PI2 BPSK	100	0	22.78	22.82	22.32	24.3	0
20	QPSK	1	1	23.16	23.31	23.03	24.3	0
20	QPSK	1	53	22.99	23.92	22.97		
20	QPSK	1	104	23.1	22.96	22.94		
20	QPSK	50	0	22.07	22.08	22.11	24.3	0
20	QPSK	50	28	22.99	23.01	22.87		
20	QPSK	50	56	22.09	21.92	22.04		
20	QPSK	100	0	22.08	22.1	22.08	23.3	1
20	16QAM	1	1	22.17	22.12	22.07	23.3	1
20	64QAM	1	1	20.33	20.28	20.23	21.8	2.5
20	256QAM	1	1	18.63	18.57	18.6	19.8	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.04	22.99	23.01	24.3	0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				835	836.5	844		
10	QPSK	1	1	22.87	22.84	22.94	24.3	0
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.79	22.83	22.78	24.3	0

n86 (only SCS19KHz has 5M BW)								
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				344800	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	22.68	22.88	22.8	24.3	0
20	PI2 BPSK	1	53	22.66	22.64	22.75		
20	PI2 BPSK	1	104	22.32	22.78	22.61		
20	PI2 BPSK	50	0	22.59	22.62	22.52	24.3	0
20	PI2 BPSK	50	28	22.84	22.59	22.66		
20	PI2 BPSK	50	56	22.26	22.77	22.45		
20	PI2 BPSK	100	0	22.39	22.81	22.41	24.3	0
20	QPSK	1	1	22.98	23.01	22.84	24.3	0
20	QPSK	1	53	22.92	22.96	22.72		
20	QPSK	1	104	22.82	22.87	22.69		
20	QPSK	50	0	22.01	21.98	21.76	24.3	0
20	QPSK	50	28	22.81	22.83	22.69		
20	QPSK	50	56	22.01	21.86	21.72		
20	QPSK	100	0	21.9	21.92	21.83	23.3	1
20	16QAM	1	1	21.96	21.8	21.72	23.3	1
20	64QAM	1	1	20.41	20.44	20.33	21.8	2.5
20	256QAM	1	1	18.66	18.61	18.5	19.8	4.5
Channel				343800	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.93	22.86	22.7	24.3	0
Channel				343500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.86	22.84	22.52	24.3	0
Channel				342800	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.79	22.59	22.45	24.3	0

n71 (only SC3150kHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134000	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				675	680.5	686		
20	PI2 BPSK	1	1	22.78	22.92	22.76	24.3	0
20	PI2 BPSK	1	53	22.62	22.86	22.61		
20	PI2 BPSK	1	104	22.59	22.45	22.45		
20	PI2 BPSK	50	0	22.34	22.13	22.26	24.3	0
20	PI2 BPSK	50	25	22.26	22.45	22.16		
20	PI2 BPSK	50	56	22.56	22.39	22.33		
20	PI2 BPSK	100	0	22.29	22.83	22.45	24.3	0
20	QPSK	1	1	23.03	23.05	22.98	24.3	0
20	QPSK	1	53	22.78	22.86	22.7		
20	QPSK	1	104	22.73	22.8	22.65		
20	QPSK	50	0	21.9	21.95	21.86	24.3	0
20	QPSK	50	25	22.83	22.88	22.71		
20	QPSK	50	56	21.82	21.86	21.75		
20	QPSK	100	0	21.87	21.91	21.84	23.3	1
20	16QAM	1	1	22.59	21.92	21.94	23.3	1
20	16QAM	1	1	20.35	20.24	20.21	21.8	2.5
20	256QAM	1	1	18.68	18.54	18.43	19.8	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.96	22.92	22.85	24.3	0
Channel				133900	135100	136000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				686	680.5	683		
10	QPSK	1	1	22.81	22.73	22.69	24.3	0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.72	22.65	22.6	24.3	0

n41								
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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				509200	518600	528000		
Frequency (MHz)				2545	2593	2640		
100	PV2 BPSK	1	1	23.15	23.45	23.11		
100	PV2 BPSK	1	137	23.11	23.26	23.28	24.4	0
100	PV2 BPSK	1	271	23.26	23.33	22.96		
100	PV2 BPSK	135	0	22.96	23.31	23.35		
100	PV2 BPSK	135	69	23.22	23.05	23.11	24.4	0
100	PV2 BPSK	135	138	23.01	23.11	23.05		
100	PV2 BPSK	270	0	22.92	22.99	22.88	24.4	0
100	QPSK	1	1	23.71	23.81	23.8		
100	QPSK	1	137	23.32	23.56	23.62	24.4	0
100	QPSK	1	271	23.31	23.62	23.3		
100	QPSK	135	0	23.48	23.52	23.42		
100	QPSK	135	69	23.39	23.57	23.44	24.4	0
100	QPSK	135	138	23.01	23.41	23.35		
100	QPSK	270	0	23.25	23.38	23.37	24.4	0
100	16QAM	1	1	23.26	23.43	23.4	24.4	0
100	64QAM	1	1	22.76	22.81	22.83	24.4	0
100	256QAM	1	1	20.92	21.13	20.97	22.9	1.5
Channel				508200	518600	529000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593	2645		
90	QPSK	1	1	23.39	23.51	23.57	24.4	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2593	2650		
80	QPSK	1	1	23.33	23.32	23.55	24.4	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593	2660		
60	QPSK	1	1	23.35	23.39	23.44	24.4	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521	2593	2665		
50	QPSK	1	1	23.31	23.32	23.44	24.4	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2670		
40	QPSK	1	1	23.42	23.45	23.52	24.4	0
Channel				501200	518600	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680		
20	QPSK	1	1	23.45	23.51	23.43	24.4	0

n41								
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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				505200	518600	528000		
Frequency (MHz)				2545	2593	2640		
100	PV2 BPSK	1	1	23.65	23.85	23.86		
100	PV2 BPSK	1	137	23.55	23.85	23.70	24.4	0
100	PV2 BPSK	1	271	23.62	23.78	23.65		
100	PV2 BPSK	135	0	23.45	23.77	23.41		
100	PV2 BPSK	135	69	23.41	23.36	23.22	24.4	0
100	PV2 BPSK	135	138	23.32	23.29	23.49		
100	PV2 BPSK	270	0	23.56	23.69	23.61	24.4	0
100	QPSK	1	1	23.77	24.19	23.91		
100	QPSK	1	137	23.58	24.03	23.86	24.4	0
100	QPSK	1	271	23.46	24.12	23.88		
100	QPSK	135	0	23.54	24.15	23.64		
100	QPSK	135	69	23.65	24.16	23.93	24.4	0
100	QPSK	135	138	23.42	24.15	23.77		
100	QPSK	270	0	23.61	24.09	23.86	24.4	0
100	16QAM	1	1	23.44	23.96	22.89	24.4	0
100	64QAM	1	1	23.5	23.94	22.91	24.4	0
100	256QAM	1	1	21.98	22.25	22.14	22.9	1.5
Channel				508200	518600	539000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593	2645		
90	QPSK	1	1	23.71	23.82	24.05	24.4	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2593	2650		
80	QPSK	1	1	23.67	23.73	23.96	24.4	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593	2660		
60	QPSK	1	1	23.34	23.61	23.86	24.4	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521	2593	2665		
50	QPSK	1	1	23.36	23.52	23.75	24.4	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2670		
40	QPSK	1	1	23.39	23.69	23.92	24.4	0
Channel				501200	518600	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680		
20	QPSK	1	1	23.33	23.68	23.76	24.4	0

Reduced power for Hotspot on-LAT

n2 (only SCS19KHz has 5M BW)									
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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	Pi2 BPSK	1	1	18.23	18.42	18.72	20.3	0
20	Pi2 BPSK	1	53	18.16	18.36	18.53		
20	Pi2 BPSK	1	104	17.99	18.1	18.23		
20	Pi2 BPSK	50	0	18.08	18.4	18.5	20.3	0
20	Pi2 BPSK	50	28	18.03	17.97	18.51		
20	Pi2 BPSK	50	56	18.12	18.16	18.69		
20	Pi2 BPSK	100	0	18.17	18.26	18.68	20.3	0
20	QPSK	1	1	19.08	19.96	19.24	20.3	0
20	QPSK	1	53	19.07	18.87	19.11		
20	QPSK	1	104	18.97	18.84	18.02		
20	QPSK	50	0	19.04	18.92	19.08	20.3	0
20	QPSK	50	28	19.12	19	19.21		
20	QPSK	50	56	19.04	18.76	18.89		
20	QPSK	100	0	19.13	19.08	19.18	20.3	0
20	16QAM	1	1	19.22	19.99	19.08	20.3	0
20	64QAM	1	1	19.13	19.11	19.16	20.3	0
20	256QAM	1	1	18.33	18.32	18.35	19.3	1
Channel				371500	376000	380900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5		
10	QPSK	1	1	19	18.93	18.77	20.3	0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905		
10	QPSK	1	1	18.91	18.69	18.57	20.3	0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	18.87	18.67	18.53	20.3	0

n5 (only SCS19KHz has 5M BW)									
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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	Pi2 BPSK	1	1	19.66	19.77	19.47	21.3	0
20	Pi2 BPSK	1	53	19.67	19.74	19.67		
20	Pi2 BPSK	1	104	19.53	19.66	19.54		
20	Pi2 BPSK	50	0	19.47	19.5	19.65	21.3	0
20	Pi2 BPSK	50	28	19.22	19.54	19.53		
20	Pi2 BPSK	50	56	19.5	19.67	19.53		
20	Pi2 BPSK	100	0	19.66	19.7	19.2	21.3	0
20	QPSK	1	1	20.19	20.21	20.06	21.3	0
20	QPSK	1	53	20.02	19.95	20		
20	QPSK	1	104	20.13	19.99	19.97		
20	QPSK	50	0	20.01	20.03	19.94	21.3	0
20	QPSK	50	28	20.01	20.14	20.02		
20	QPSK	50	56	19.96	19.97	19.91		
20	QPSK	100	0	20.08	20.12	20.09	21.3	0
20	16QAM	1	1	20.01	20.03	20.01	21.3	0
20	64QAM	1	1	19.86	19.88	19.81	21.3	0
20	256QAM	1	1	18.45	18.51	18.52	19.3	2
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
10	QPSK	1	1	20.08	20.09	20.02	21.3	0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	19.81	19.82	19.89	21.3	0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	19.79	19.83	19.72	21.3	0

n8 (only SCS19KHz has 5M BW)									
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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	Pi2 BPSK	1	1	19.01	19.21	18.13	20.8	0
20	Pi2 BPSK	1	53	18.99	18.97	19.08		
20	Pi2 BPSK	1	104	18.65	19.11	18.94		
20	Pi2 BPSK	50	0	18.92	18.95	18.85	20.8	0
20	Pi2 BPSK	50	28	18.97	18.92	18.99		
20	Pi2 BPSK	50	56	18.98	19.1	18.78		
20	Pi2 BPSK	100	0	18.72	19.14	18.74	20.8	0
20	QPSK	1	1	19.02	19.04	19.57	20.8	0
20	QPSK	1	53	19.35	19.47	19.29		
20	QPSK	1	104	19.32	19.39	19.24		
20	QPSK	50	0	19.17	19.22	19.13	20.8	0
20	QPSK	50	28	19.52	19.58	19.5		
20	QPSK	50	56	19.09	19.13	19.02		
20	QPSK	100	0	19.35	19.38	19.32	20.8	0
20	16QAM	1	1	19.48	19.34	19.36	20.8	0
20	64QAM	1	1	19.18	19.21	19.2	20.8	0
20	256QAM	1	1	18.36	18.45	18.32	19.8	1
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
10	QPSK	1	1	19.51	19.47	19.4	20.3	0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.36	19.28	19.24	20.8	0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.27	19.2	19.15	20.8	0

n71 (only SC515KHz has 5M BW)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power Hsp. Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				134000	136100	137000	Tune-up limit (dBm)	MRR (dB)
Frequency (MHz)				672	680.5	688		
20	PI2 BPSK	1	1	20.69	20.83	20.67	22.3	0
20	PI2 BPSK	1	53	20.53	20.47	20.52		
20	PI2 BPSK	1	104	20.5	20.36	20.36		
20	PI2 BPSK	50	0	20.25	20.84	20.17	22.3	0
20	PI2 BPSK	50	28	20.17	20.36	20.07		
20	PI2 BPSK	50	56	20.47	20.3	20.24		
20	PI2 BPSK	100	0	20.2	20.34	20.36	22.3	0
20	QPSK	1	1	21.13	21.16	21.15	22.3	0
20	QPSK	1	53	20.83	20.65	20.77		
20	QPSK	1	104	20.8	20.87	20.72		
20	QPSK	50	0	19.97	20.02	19.83	22.3	0
20	QPSK	50	28	20.9	21	20.89		
20	QPSK	50	56	19.89	19.93	19.82		
20	QPSK	100	0	20.88	20.96	20.8	22.3	0
20	16QAM	1	1	20.71	20.82	20.77	22.3	0
20	64QAM	1	1	20.26	20.26	20.11	21.3	1
20	256QAM	1	1	18.42	18.5	18.23	19.3	3
Channel				134100	136100	138100	Tune-up limit (dBm)	MRR (dB)
Frequency (MHz)				681.5	688.5	694.5		
15	QPSK	1	1	21.03	20.99	20.92	22.3	0
Channel				133600	136100	136000	Tune-up limit (dBm)	MRR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	20.88	20.8	20.76	22.3	0
Channel				133100	136100	135100	Tune-up limit (dBm)	MRR (dB)
Frequency (MHz)				665.5	680.5	692.5		
5	QPSK	1	1	20.79	20.72	20.67	22.3	0

n41								
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				505200	518600	526000	18.4	0
Frequency (MHz)				2546	2593	2640		
100	PI2 BPSK	1	1	17.45	17.58	17.52		
100	PI2 BPSK	1	137	17.35	17.49	17.43		
100	PI2 BPSK	1	271	17.42	17.42	17.45	18.4	0
100	PI2 BPSK	135	0	17.25	17.57	17.21		
100	PI2 BPSK	135	69	17.21	17.16	17.22		
100	PI2 BPSK	135	138	17.12	17.09	17.29		
100	PI2 BPSK	270	0	17.36	17.49	17.41	18.4	0
100	QPSK	1	1	17.62	17.72	17.71	18.4	0
100	QPSK	1	137	17.38	17.62	17.68		
100	QPSK	1	271	17.37	17.68	17.36		
100	QPSK	135	0	17.54	17.58	17.48		
100	QPSK	135	69	17.55	17.63	17.5	18.4	0
100	QPSK	135	138	17.07	17.47	17.41	18.4	0
100	QPSK	270	0	17.39	17.44	17.43		
100	16QAM	1	1	17.32	17.49	17.46		
100	64QAM	1	1	17.47	17.5	17.52		
100	256QAM	1	1	17.43	17.64	17.48	18.4	0
Channel				506200	518600	526000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2593	2645	18.4	0
90	QPSK	1	1	17.48	17.8	17.66		
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2593	2650	18.4	0
80	QPSK	1	1	17.42	17.41	17.64		
Channel				506200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2593	2660	18.4	0
60	QPSK	1	1	17.44	17.48	17.53		
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621	2593	2665	18.4	0
50	QPSK	1	1	17.4	17.41	17.53		
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2570	18.4	0
40	QPSK	1	1	17.51	17.58	17.61		
Channel				501200	518600	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508	2593	2690	18.4	0
20	QPSK	1	1	17.54	17.6	17.52		

n2 (only SCS15KHz has 5M BW)									
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1960	1980	1900			
20	PV2 BPSK	1	1	19.47	19.68	19.75	21.3	0	0
20	PV2 BPSK	1	53	19.4	19.49	19.49			
20	PV2 BPSK	1	104	19.23	19.34	19.26			
20	PV2 BPSK	50	0	19.32	19.64	19.53	21.3	0	0
20	PV2 BPSK	50	28	19.27	19.21	19.54			
20	PV2 BPSK	50	56	19.36	19.4	19.72			
20	PV2 BPSK	100	0	19.41	19.53	19.71	21.3	0	0
20	QPSK	1	1	20.14	20.02	20.3	21.3	0	0
20	QPSK	1	53	20.13	19.93	20.17			
20	QPSK	1	104	20.03	19.9	20.08			
20	QPSK	50	0	20.1	19.98	20.14	21.3	0	0
20	QPSK	50	28	20.18	20.06	20.27			
20	QPSK	50	56	20.1	19.81	19.95			
20	QPSK	100	0	20.19	20.15	20.24	21.3	0	0
20	16QAM	1	1	20.28	20.05	20.12	21.3	0	0
20	64QAM	1	1	20.19	20.17	20.22	21.3	0	0
20	256QAM	1	1	19.66	18.53	18.67	20.3	1	1
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	20.06	19.99	19.93	21.3	0	0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	19.97	19.75	19.63	21.3	0	0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	19.93	19.79	19.59	21.3	0	0

n66 (only SCS15KHz has 5M BW)									
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				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	18.73	18.83	18.85	20.3	0	0
20	PV2 BPSK	1	53	18.71	18.69	18.8			
20	PV2 BPSK	1	104	18.37	18.83	18.66			
20	PV2 BPSK	50	0	18.64	18.67	18.57	20.3	0	0
20	PV2 BPSK	50	28	18.66	18.64	18.71			
20	PV2 BPSK	50	56	18.31	18.82	18.5			
20	PV2 BPSK	100	0	18.44	18.86	18.46	20.3	0	0
20	QPSK	1	1	19.18	19.2	19.13	20.3	0	0
20	QPSK	1	53	18.91	19.03	18.85			
20	QPSK	1	104	18.88	18.95	18.8			
20	QPSK	50	0	18.73	18.78	18.69	20.3	0	0
20	QPSK	50	28	18.98	18.04	18.86			
20	QPSK	50	56	18.65	18.69	18.58			
20	QPSK	100	0	18.91	18.96	18.88	20.3	0	0
20	16QAM	1	1	19.04	18.9	18.92	20.3	0	0
20	64QAM	1	1	18.74	18.77	18.76	20.3	0	0
20	256QAM	1	1	18.42	18.51	18.38	19.3	1	1
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.07	19.03	18.96	20.3	0	0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.92	18.84	18.8	20.3	0	0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.83	18.76	18.71	20.3	0	0

n41								
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				505200	518600	526000		
Frequency (MHz)				2546	2593	2640		
100	PI2 BPSK	1	1	17.45	17.58	17.52	18.4	0
100	PI2 BPSK	1	137	17.35	17.49	17.43		
100	PI2 BPSK	1	271	17.42	17.42	17.45		
100	PI2 BPSK	135	0	17.25	17.57	17.21	18.4	0
100	PI2 BPSK	135	69	17.21	17.16	17.22		
100	PI2 BPSK	135	138	17.12	17.09	17.29		
100	PI2 BPSK	270	0	17.36	17.49	17.41	18.4	0
100	QPSK	1	1	17.62	17.72	17.71	18.4	0
100	QPSK	1	137	17.38	17.62	17.68		
100	QPSK	1	271	17.37	17.68	17.36		
100	QPSK	135	0	17.54	17.58	17.48	18.4	0
100	QPSK	135	69	17.55	17.63	17.5		
100	QPSK	135	138	17.07	17.47	17.41		
100	QPSK	270	0	17.39	17.44	17.43	18.4	0
100	16QAM	1	1	17.32	17.49	17.46	18.4	0
100	64QAM	1	1	17.47	17.5	17.52	18.4	0
100	256QAM	1	1	17.43	17.64	17.48	18.4	0
Channel				506200	518600	526000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2593	2645		
90	QPSK	1	1	17.48	17.8	17.66	18.4	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2593	2650		
80	QPSK	1	1	17.42	17.41	17.64	18.4	0
Channel				506200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2593	2660		
60	QPSK	1	1	17.44	17.48	17.53	18.4	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621	2593	2665		
50	QPSK	1	1	17.4	17.41	17.53	18.4	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2570		
40	QPSK	1	1	17.51	17.58	17.61	18.4	0
Channel				501200	518600	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2608	2593	2680		
20	QPSK	1	1	17.54	17.6	17.52	18.4	0

Bluetooth Full Power

BT 2.0(ANT1)											
Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Packet Type								
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5
Bluetooth	CH 0	2402	10.20	10.00	9.90	8.00	7.90	7.90	8.00	7.90	7.90
	CH 39	2441	11.10	10.90	10.90	9.00	8.90	8.80	9.00	8.90	8.80
	CH 78	2480	11.10	11.00	10.90	9.00	8.90	8.80	9.00	8.90	8.90

BT 2.0(ANT2)											
Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Packet Type								
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5
Bluetooth	CH 0	2402	4.60	4.73	4.50	2.60	2.50	2.50	2.60	2.50	2.50
	CH 39	2441	5.00	4.90	4.90	3.10	3.00	3.00	3.00	2.90	2.90
	CH 78	2480	4.80	4.70	4.70	2.90	2.80	2.80	2.90	2.80	2.80

BT 4.0(ANT1)				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
LE	CH 00	2402	7.80	9.80
	CH 19	2440	8.70	10.70
	CH 39	2480	8.70	10.70

BT 4.0(ANT2)				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
LE	CH 00	2402	2.60	4.60
	CH 19	2440	3.00	5.00
	CH 39	2480	2.90	4.90

BT 5.0(ANT1)				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	Tune-up Limit
LE	CH 00	2402	7.90	9.90
	CH 19	2440	8.80	10.80
	CH 39	2480	8.80	10.80

BT 5.0(ANT2)				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	Tune-up Limit
LE	CH 00	2402	2.70	4.70
	CH 19	2440	3.10	5.10
	CH 39	2480	2.90	4.90

Bluetooth Reduced Power

BT 2.0(ANT1)											
Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Packet Type								
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5
Bluetooth	CH 0	2402	5.40	5.20	5.20	3.70	3.60	3.40	3.60	3.50	3.50
	CH 39	2441	5.90	5.80	5.80	4.10	4.00	4.00	4.10	4.00	4.00
	CH 78	2480	5.60	5.50	5.50	3.80	3.70	3.70	3.80	3.70	3.70

BT 4.0(ANT1)				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
LE	CH 00	2402	3.90	5.90
	CH 19	2440	4.00	6.00
	CH 39	2480	3.70	5.70

BT 5.0(ANT1)				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	Tune-up Limit
LE	CH 00	2402	3.60	5.60
	CH 19	2440	4.10	6.10
	CH 39	2480	3.80	5.80

WLAN Full Power

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	21.96	23.96	98.35
		6	2437	21.76	23.76	
		11	2462	21.61	23.61	
	802.11g 6Mbps	1	2412	19.11	21.11	99.04
		6	2437	18.67	20.67	
		11	2462	19.06	21.06	
	802.11n-HT20 MCS0	1	2412	20.06	22.06	100.00
		6	2437	19.76	21.76	
		11	2462	20.01	22.01	
	802.11n-HT40 MCS0	3	2422	17.76	19.76	100.00
		6	2437	17.96	19.96	
		9	2452	17.76	19.76	
	802.11ax-HE20 MCS0	1	2412	20.16	22.16	100.00
		6	2437	19.71	21.71	
		11	2462	20.06	22.06	
	802.11ax-HE40 MCS0	3	2422	17.96	19.96	100.00
		6	2437	17.77	19.77	
		9	2452	17.43	19.43	

5GHz WLAN		Ant 1+2				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.43	19.43	98.77
		40	5200	17.50	19.50	
		44	5220	17.63	19.63	
	802.11n-HT20 MCS0	48	5240	17.55	19.55	100.00
		36	5180	16.98	18.98	
		40	5200	17.15	19.15	
	802.11n-HT40 MCS0	44	5220	17.12	19.12	100.00
		48	5240	17.00	19.00	
		38	5190	17.23	19.23	
	802.11ac-VHT20 MCS0	46	5230	17.26	19.26	100.00
		36	5180	16.94	18.94	
		40	5200	17.10	19.10	
	802.11ac-VHT40 MCS0	44	5220	17.05	19.05	100.00
		48	5240	16.95	18.95	
		38	5190	17.17	19.17	
	802.11ac-VHT80 MCS0	46	5230	17.21	19.21	100.00
		42	5210	16.34	18.34	
		36	5180	17.21	19.21	
	802.11ax-HE20 MCS0	40	5200	17.13	19.13	100.00
		44	5220	17.30	19.30	
		48	5240	17.25	19.25	
	802.11ax-HE40 MCS0	38	5190	16.40	18.40	100.00
		46	5230	17.37	19.37	
	802.11ax-HE80 MCS0	42	5210	16.14	18.14	100.00

5GHz WLAN		Ant 1+2				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	17.65	19.65	98.77
		56	5280	17.47	19.47	
		60	5300	17.69	19.69	
		64	5320	17.72	19.72	
	802.11n-HT20 MCS0	52	5260	17.21	19.21	100.00
		56	5280	17.36	19.36	
		60	5300	17.42	19.42	
		64	5320	17.60	19.60	
	802.11n-HT40 MCS0	54	5270	17.45	19.45	100.00
		62	5310	16.54	18.54	
	802.11ac-VHT20 MCS0	52	5260	17.18	19.18	100.00
		56	5280	17.26	19.26	
		60	5300	17.37	19.37	
		64	5320	17.57	19.57	
	802.11ac-VHT40 MCS0	54	5270	17.39	19.39	100.00
		62	5310	16.52	18.52	
	802.11ac-VHT80 MCS0	58	5290	14.22	16.22	100.00
	802.11ax-HE20 MCS0	52	5260	17.32	19.32	100.00
		56	5280	17.30	19.30	
		60	5300	17.39	19.39	
		64	5320	17.45	19.45	
	802.11ax-HE40 MCS0	54	5270	17.57	19.57	100.00
		62	5310	15.85	17.85	
	802.11ax-HE80 MCS0	58	5290	16.18	18.18	100.00

5GHz WLAN		Ant 1+2				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	16.55	18.55	98.77
		116	5580	16.25	18.25	
		124	5620	16.00	18.00	
		132	5660	16.01	18.01	
		140	5700	16.10	18.10	
		144	5720	16.02	18.02	
	802.11n-HT20 MCS0	100	5500	15.35	17.35	100.00
		116	5580	16.13	18.13	
		124	5620	16.03	18.03	
		132	5660	16.06	18.06	
		140	5700	15.42	17.42	
		144	5720	15.93	17.93	
	802.11n-HT40 MCS0	102	5510	15.51	17.51	100.00
		110	5550	16.21	18.21	
		126	5630	16.02	18.02	
		134	5670	16.36	18.36	
		142	5710	16.52	18.52	
		144	5720	16.52	18.52	
	802.11ac-VHT20 MCS0	100	5500	15.31	17.31	100.00
		116	5580	16.02	18.02	
		124	5620	15.92	17.92	
		132	5660	15.83	17.83	
		140	5700	15.39	17.39	
		144	5720	15.88	17.88	
	802.11ac-VHT40 MCS0	102	5510	15.48	17.48	100.00
		110	5550	16.17	18.17	
		126	5630	15.98	17.98	
		134	5670	16.32	18.32	
		142	5710	16.45	18.45	
		144	5720	16.45	18.45	
	802.11ac-VHT80 MCS0	106	5530	15.30	17.30	100.00
		122	5610	15.08	17.08	
		138	5690	15.08	17.08	
	802.11ax-HE20 MCS0	100	5500	16.12	18.12	100.00
		116	5580	16.05	18.05	
		124	5620	16.06	18.06	
		132	5660	15.97	17.97	
		140	5700	14.15	16.15	
		144	5720	15.85	17.85	
	802.11ax-HE40 MCS0	102	5510	16.51	18.51	100.00
		110	5550	16.12	18.12	
		126	5630	16.11	18.11	
		134	5670	15.99	17.99	
		142	5710	15.88	17.88	
		144	5720	15.88	17.88	
	802.11ax-HE80 MCS0	106	5530	15.31	17.31	100.00
		122	5610	14.84	16.84	
		138	5690	14.64	16.64	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	16.11	18.11	98.77
		157	5785	16.07	18.07	
		165	5825	16.06	18.06	
	802.11n-HT20 MCS0	149	5745	16.29	18.29	100.00
		157	5785	16.23	18.23	
		165	5825	16.27	18.27	
	802.11n-HT40 MCS0	151	5755	16.44	18.44	100.00
		159	5795	16.38	18.38	
		167	5835	16.38	18.38	
	802.11ac-VHT20 MCS0	149	5745	16.18	18.18	100.00
		157	5785	16.11	18.11	
		165	5825	16.12	18.12	
	802.11ac-VHT40 MCS0	151	5755	16.39	18.39	100.00
		159	5795	16.34	18.34	
		167	5835	16.34	18.34	
	802.11ac-VHT80 MCS0	155	5775	14.16	16.16	100.00
		163	5815	14.16	16.16	
		171	5855	14.16	16.16	
	802.11ax-HE20 MCS0	149	5745	16.08	18.08	100.00
		157	5785	15.97	17.97	
		165	5825	16.01	18.01	
	802.11ax-HE40 MCS0	151	5755	16.27	18.27	100.00
		159	5795	16.00	18.00	
		167	5835	16.00	18.00	
	802.11ax-HE80 MCS0	155	5775	14.96	16.96	100.00
		163	5815	14.96	16.96	
		171	5855	14.96	16.96	

Reduced Power Level 1 for Head

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.96	19.96	98.35
		6	2437	17.66	19.66	
		11	2462	17.81	19.81	
	802.11g 6Mbps	1	2412	15.11	17.11	99.04
		6	2437	14.57	16.57	
		11	2462	14.96	16.96	
	802.11n-HT20 MCS0	1	2412	16.06	18.06	100.00
		6	2437	15.76	17.76	
		11	2462	16.21	18.21	
	802.11n-HT40 MCS0	3	2422	13.76	15.76	100.00
		6	2437	14.06	16.06	
		9	2452	13.66	15.66	
	802.11ax-HE20 MCS0	1	2412	16.26	18.26	100.00
		6	2437	15.61	17.61	
		11	2462	16.26	18.26	
	802.11ax-HE40 MCS0	3	2422	13.96	15.96	100.00
		6	2437	13.77	15.77	
		9	2452	13.43	15.43	

Reduced Power Level 2 for Head

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	16.96	18.96	98.35
		6	2437	16.86	18.86	
		11	2462	16.71	18.71	
	802.11g 6Mbps	1	2412	14.11	16.11	99.04
		6	2437	13.57	15.57	
		11	2462	13.86	15.86	
	802.11n-HT20 MCS0	1	2412	15.06	17.06	100.00
		6	2437	14.76	16.76	
		11	2462	15.01	17.01	
	802.11n-HT40 MCS0	3	2422	12.76	14.76	100.00
		6	2437	12.86	14.86	
		9	2452	12.76	14.76	
	802.11ax-HE20 MCS0	1	2412	15.06	17.06	100.00
		6	2437	14.91	16.91	
		11	2462	15.16	17.16	
	802.11ax-HE40 MCS0	3	2422	13.16	15.16	100.00
		6	2437	12.57	14.57	
		9	2452	12.63	14.63	

5GHz WLAN		Ant 1+2				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	15.39	17.39	98.77
		40	5200	15.39	17.39	
		44	5220	15.65	17.65	
	802.11n-HT20 MCS0	48	5240	15.49	17.49	100.00
		36	5180	14.96	16.96	
		40	5200	15.09	17.09	
	802.11n-HT40 MCS0	44	5220	14.98	16.98	100.00
		48	5240	14.96	16.96	
		38	5190	15.20	17.20	
	802.11ac-VHT20 MCS0	46	5230	15.23	17.23	100.00
		36	5180	14.90	16.90	
		40	5200	15.14	17.14	
	802.11ac-VHT40 MCS0	44	5220	15.09	17.09	100.00
		48	5240	15.01	17.01	
		38	5190	15.12	17.12	
	802.11ac-VHT80 MCS0	46	5230	15.32	17.32	100.00
		42	5210	14.27	16.27	
		36	5180	15.11	17.11	
	802.11ax-HE20 MCS0	40	5200	15.18	17.18	100.00
		44	5220	15.17	17.17	
		48	5240	15.30	17.30	
	802.11ax-HE40 MCS0	38	5190	14.45	16.45	100.00
		46	5230	15.38	17.38	
	802.11ax-HE80 MCS0	42	5210	14.08	16.08	100.00

5GHz WLAN		Ant 1+2				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	15.73	17.73	98.77
		56	5280	15.60	17.60	
		60	5300	15.83	17.83	
		64	5320	15.93	17.93	
	802.11n-HT20 MCS0	52	5260	15.27	17.27	100.00
		56	5280	15.52	17.52	
		60	5300	15.38	17.38	
		64	5320	15.88	17.88	
	802.11n-HT40 MCS0	54	5270	15.54	17.54	100.00
		62	5310	14.59	16.59	
	802.11ac-VHT20 MCS0	52	5260	15.24	17.24	100.00
		56	5280	15.25	17.25	
		60	5300	15.37	17.37	
	802.11ac-VHT40 MCS0	64	5320	15.64	17.64	100.00
		54	5270	15.40	17.40	
	802.11ac-VHT80 MCS0	62	5310	14.65	16.65	100.00
		58	5290	12.26	14.26	
	802.11ax-HE20 MCS0	52	5260	15.44	17.44	100.00
		56	5280	15.23	17.23	
		60	5300	15.45	17.45	
		64	5320	15.59	17.59	
	802.11ax-HE40 MCS0	54	5270	15.73	17.73	100.00
		62	5310	13.81	15.81	
	802.11ax-HE80 MCS0	58	5290	14.42	16.42	100.00

5GHz WLAN		Ant 1+2				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	15.71	17.71	98.77
		116	5580	15.49	17.49	
		124	5620	14.95	16.95	
		132	5660	15.21	17.21	
		140	5700	15.30	17.30	
		144	5720	15.11	17.11	
	802.11n-HT20 MCS0	100	5500	14.44	16.44	100.00
		116	5580	15.36	17.36	
		124	5620	15.17	17.17	
		132	5660	15.20	17.20	
		140	5700	14.56	16.56	
		144	5720	15.00	17.00	
	802.11n-HT40 MCS0	102	5510	14.55	16.55	100.00
		110	5550	15.42	17.42	
		126	5630	15.03	17.03	
		134	5670	15.41	17.41	
		142	5710	15.64	17.64	
		100	5500	14.49	16.49	
	802.11ac-VHT20 MCS0	116	5580	15.15	17.15	100.00
		124	5620	14.92	16.92	
		132	5660	14.99	16.99	
		140	5700	14.47	16.47	
		144	5720	15.13	17.13	
		102	5510	14.64	16.64	
	802.11ac-VHT40 MCS0	110	5550	15.14	17.14	100.00
		126	5630	15.06	17.06	
		134	5670	15.36	17.36	
		142	5710	15.42	17.42	
		106	5530	14.45	16.45	
		122	5610	14.29	16.29	
	802.11ac-VHT160 MCS0	138	5690	14.36	16.36	100.00
		114	5570	15.16	17.16	
	802.11ax-HE20 MCS0	100	5500	15.29	17.29	
		116	5580	15.18	17.18	
		124	5620	15.25	17.25	
		132	5660	15.20	17.20	
		140	5700	13.22	15.22	
		144	5720	14.91	16.91	
	802.11ax-HE40 MCS0	102	5510	15.57	17.57	100.00
		110	5550	15.27	17.27	
		126	5630	15.25	17.25	
		134	5670	15.18	17.18	
		142	5710	14.93	16.93	
	802.11ax-HE80 MCS0	106	5530	14.63	16.63	100.00
		122	5610	13.92	15.92	
		138	5690	13.80	15.80	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	15.24	17.24	98.77
		157	5785	15.05	17.05	
		165	5825	15.20	17.20	
	802.11n-HT20 MCS0	149	5745	15.35	17.35	100.00
		157	5785	15.44	17.44	
		165	5825	15.20	17.20	
	802.11n-HT40 MCS0	151	5755	15.62	17.62	100.00
		159	5795	15.46	17.46	
	802.11ac-VHT20 MCS0	149	5745	15.19	17.19	100.00
		157	5785	15.30	17.30	
		165	5825	15.20	17.20	
	802.11ac-VHT40 MCS0	151	5755	15.47	17.47	100.00
		159	5795	15.56	17.56	
	802.11ac-VHT80 MCS0	155	5775	13.15	15.15	100.00
	802.11ax-HE20 MCS0	149	5745	15.19	17.19	100.00
		157	5785	14.95	16.95	
		165	5825	15.14	17.14	
	802.11ax-HE40 MCS0	151	5755	15.43	17.43	100.00
		159	5795	15.09	17.09	
	802.11ax-HE80 MCS0	155	5775	14.21	16.21	100.00

Reduced Power Level 3 for Head

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	16.96	18.96	98.35
		6	2437	16.86	18.86	
		11	2462	16.71	18.71	
	802.11g 6Mbps	1	2412	14.11	16.11	99.04
		6	2437	13.57	15.57	
		11	2462	13.86	15.86	
	802.11n-HT20 MCS0	1	2412	15.06	17.06	100.00
		6	2437	14.76	16.76	
		11	2462	15.01	17.01	
	802.11n-HT40 MCS0	3	2422	12.76	14.76	100.00
		6	2437	12.86	14.86	
		9	2452	12.76	14.76	
	802.11ax-HE20 MCS0	1	2412	15.06	17.06	100.00
		6	2437	14.91	16.91	
		11	2462	15.16	17.16	
	802.11ax-HE40 MCS0	3	2422	13.16	15.16	100.00
		6	2437	12.57	14.57	
		9	2452	12.63	14.63	

5GHz WLAN		Ant 1+2				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	14.47	16.47	98.77
		40	5200	14.47	16.47	
		44	5220	14.56	16.56	
		48	5240	14.55	16.55	
	802.11n-HT20 MCS0	36	5180	13.99	15.99	100.00
		40	5200	14.12	16.12	
		44	5220	13.98	15.98	
		48	5240	13.85	15.85	
	802.11n-HT40 MCS0	38	5190	14.25	16.25	100.00
		46	5230	14.30	16.30	
	802.11ac-VHT20 MCS0	36	5180	13.98	15.98	100.00
		40	5200	14.16	16.16	
		44	5220	14.04	16.04	
		48	5240	13.99	15.99	
	802.11ac-VHT40 MCS0	38	5190	14.00	16.00	100.00
		46	5230	14.13	16.13	
	802.11ac-VHT80 MCS0	42	5210	13.38	15.38	100.00
		36	5180	14.23	16.23	
	802.11ax-HE20 MCS0	40	5200	14.06	16.06	100.00
		44	5220	14.30	16.30	
		48	5240	14.16	16.16	
		38	5190	13.42	15.42	100.00
	802.11ax-HE40 MCS0	46	5230	14.38	16.38	
		42	5210	13.13	15.13	100.00

5GHz WLAN		Ant 1+2				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	14.94	16.94	98.77
		56	5280	14.55	16.55	
		60	5300	14.65	16.65	
		64	5320	14.95	16.95	
	802.11n-HT20 MCS0	52	5260	14.16	16.16	100.00
		56	5280	14.42	16.42	
		60	5300	14.46	16.46	
		64	5320	14.71	16.71	
	802.11n-HT40 MCS0	54	5270	14.65	16.65	100.00
		62	5310	13.71	15.71	
	802.11ac-VHT20 MCS0	52	5260	14.44	16.44	100.00
		56	5280	14.29	16.29	
		60	5300	14.51	16.51	
		64	5320	14.58	16.58	
	802.11ac-VHT40 MCS0	54	5270	14.46	16.46	100.00
		62	5310	13.56	15.56	
	802.11ac-VHT80 MCS0	58	5290	11.31	13.31	100.00
		52	5260	14.28	16.28	
	802.11ax-HE20 MCS0	56	5280	14.55	16.55	100.00
		60	5300	14.42	16.42	
		64	5320	14.54	16.54	
		54	5270	14.61	16.61	100.00
	802.11ax-HE40 MCS0	62	5310	12.94	14.94	
		58	5290	13.33	15.33	100.00

5GHz WLAN		Ant 1+2				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	14.81	16.81	98.77
		116	5580	14.39	16.39	
		124	5620	14.01	16.01	
		132	5660	14.07	16.07	
		140	5700	14.34	16.34	
		144	5720	14.23	16.23	
	802.11n-HT20 MCS0	100	5500	13.38	15.38	100.00
		116	5580	14.19	16.19	
		124	5620	14.29	16.29	
		132	5660	14.13	16.13	
		140	5700	13.51	15.51	
		144	5720	14.00	16.00	
	802.11n-HT40 MCS0	102	5510	13.71	15.71	100.00
		110	5550	14.35	16.35	
		126	5630	14.30	16.30	
		134	5670	14.54	16.54	
		142	5710	14.57	16.57	
		144	5720	13.95	15.95	
	802.11ac-VHT20 MCS0	100	5500	13.46	15.46	100.00
		116	5580	14.08	16.08	
		124	5620	14.06	16.06	
		132	5660	13.96	15.96	
		140	5700	13.57	15.57	
		144	5720	13.95	15.95	
	802.11ac-VHT40 MCS0	102	5510	13.68	15.68	100.00
		110	5550	14.17	16.17	
		126	5630	13.93	15.93	
		134	5670	14.29	16.29	
		142	5710	14.61	16.61	
		144	5720	13.95	15.95	
	802.11ac-VHT80 MCS0	106	5530	13.39	15.39	100.00
		122	5610	13.17	15.17	
		138	5690	13.12	15.12	
	802.11ac-VHT160 MCS0	114	5570	14.11	16.11	100.00
	802.11ax-HE20 MCS0	100	5500	14.22	16.22	
		116	5580	14.24	16.24	
		124	5620	14.30	16.30	
		132	5660	14.20	16.20	
		140	5700	12.16	14.16	
	802.11ax-HE40 MCS0	144	5720	13.97	15.97	
		102	5510	14.63	16.63	100.00
		110	5550	14.27	16.27	
		126	5630	14.23	16.23	
		134	5670	14.25	16.25	
		142	5710	13.93	15.93	100.00
	802.11ax-HE80 MCS0	106	5530	13.37	15.37	
		122	5610	12.89	14.89	
		138	5690	12.78	14.78	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	14.24	16.24	98.77
		157	5785	14.05	16.05	
		165	5825	14.20	16.20	
	802.11n-HT20 MCS0	149	5745	14.35	16.35	100.00
		157	5785	14.44	16.44	
		165	5825	14.20	16.20	
	802.11n-HT40 MCS0	151	5755	14.62	16.62	100.00
		159	5795	14.46	16.46	
	802.11ac-VHT20 MCS0	149	5745	14.19	16.19	100.00
		157	5785	14.30	16.30	
		165	5825	14.20	16.20	
	802.11ac-VHT40 MCS0	151	5755	14.47	16.47	100.00
		159	5795	14.56	16.56	
	802.11ac-VHT80 MCS0	155	5775	12.15	14.15	100.00
	802.11ax-HE20 MCS0	149	5745	14.19	16.19	100.00
		157	5785	13.95	15.95	
		165	5825	14.14	16.14	
	802.11ax-HE40 MCS0	151	5755	14.43	16.43	100.00
		159	5795	14.09	16.09	
	802.11ax-HE80 MCS0	155	5775	13.21	15.21	100.00

Reduced Power Level 4 for Head

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	15.06	17.06	98.35
		6	2437	14.66	16.66	
		11	2462	14.81	16.81	
	802.11g 6Mbps	1	2412	12.11	14.11	99.04
		6	2437	11.57	13.57	
		11	2462	12.06	14.06	
	802.11n-HT20 MCS0	1	2412	13.16	15.16	100.00
		6	2437	12.96	14.96	
		11	2462	12.91	14.91	
	802.11n-HT40 MCS0	3	2422	10.76	12.76	100.00
		6	2437	10.96	12.96	
		9	2452	10.86	12.86	
	802.11ax-HE20 MCS0	1	2412	13.16	15.16	100.00
		6	2437	12.61	14.61	
		11	2462	12.96	14.96	
	802.11ax-HE40 MCS0	3	2422	10.86	12.86	100.00
		6	2437	10.67	12.67	
		9	2452	10.63	12.63	

5GHz WLAN		Ant 1+2				
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	13.56	15.56	98.77
		40	5200	13.57	15.57	
		44	5220	13.71	15.71	
		48	5240	13.63	15.63	
	802.11n-HT20 MCS0	36	5180	12.94	14.94	100.00
		40	5200	13.12	15.12	
		44	5220	13.01	15.01	
		48	5240	12.92	14.92	
	802.11n-HT40 MCS0	38	5190	13.30	15.30	100.00
		46	5230	13.17	15.17	
	802.11ac-VHT20 MCS0	36	5180	12.86	14.86	100.00
		40	5200	13.00	15.00	
		44	5220	13.05	15.05	
		48	5240	12.95	14.95	
	802.11ac-VHT40 MCS0	38	5190	13.18	15.18	100.00
		46	5230	13.32	15.32	
	802.11ac-VHT80 MCS0	42	5210	12.37	14.37	100.00
		36	5180	13.07	15.07	
	802.11ax-HE20 MCS0	40	5200	12.98	14.98	100.00
		44	5220	13.19	15.19	
		48	5240	13.18	15.18	
		38	5190	12.36	14.36	100.00
	802.11ax-HE40 MCS0	46	5230	13.24	15.24	
		42	5210	12.06	14.06	100.00

5GHz WLAN		Ant 1+2				
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	13.95	15.95	98.77
		56	5280	13.50	15.50	
		60	5300	13.93	15.93	
		64	5320	13.99	15.99	
	802.11n-HT20 MCS0	52	5260	13.19	15.19	100.00
		56	5280	13.59	15.59	
		60	5300	13.59	15.59	
		64	5320	13.60	15.60	
	802.11n-HT40 MCS0	54	5270	13.61	15.61	100.00
		62	5310	12.45	14.45	
	802.11ac-VHT20 MCS0	52	5260	13.30	15.30	100.00
		56	5280	13.29	15.29	
		60	5300	13.50	15.50	
		64	5320	13.65	15.65	
	802.11ac-VHT40 MCS0	54	5270	13.65	15.65	100.00
		62	5310	12.48	14.48	
	802.11ac-VHT80 MCS0	58	5290	10.22	12.22	100.00
		52	5260	13.32	15.32	
	802.11ax-HE20 MCS0	56	5280	13.52	15.52	100.00
		60	5300	13.46	15.46	
		64	5320	13.58	15.58	
		54	5270	13.66	15.66	100.00
	802.11ax-HE40 MCS0	62	5310	11.84	13.84	
		58	5290	12.28	14.28	100.00

5GHz WLAN		Ant 1+2				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	13.87	15.87	98.77
		116	5580	13.32	15.32	
		124	5620	13.20	15.20	
		132	5660	13.07	15.07	
		140	5700	13.16	15.16	
		144	5720	13.12	15.12	
	802.11n-HT20 MCS0	100	5500	12.38	14.38	100.00
		116	5580	13.10	15.10	
		124	5620	13.16	15.16	
		132	5660	13.14	15.14	
		140	5700	12.39	14.39	
		144	5720	12.97	14.97	
	802.11n-HT40 MCS0	102	5510	12.77	14.77	100.00
		110	5550	13.30	15.30	
		126	5630	13.19	15.19	
		134	5670	13.45	15.45	
		142	5710	13.63	15.63	
		100	5500	12.37	14.37	
	802.11ac-VHT20 MCS0	116	5580	13.04	15.04	100.00
		124	5620	13.17	15.17	
		132	5660	12.92	14.92	
		140	5700	12.45	14.45	
		144	5720	12.98	14.98	
		102	5510	12.62	14.62	
	802.11ac-VHT40 MCS0	110	5550	13.14	15.14	100.00
		126	5630	13.17	15.17	
		134	5670	13.29	15.29	
		142	5710	13.61	15.61	
		106	5530	12.35	14.35	
		122	5610	12.09	14.09	
	802.11ac-VHT80 MCS0	138	5690	12.21	14.21	100.00
		114	5570	13.10	15.10	
	802.11ac-VHT160 MCS0	100	5500	13.28	15.28	100.00
		116	5580	13.17	15.17	
		124	5620	13.28	15.28	
		132	5660	13.06	15.06	
		140	5700	11.30	13.30	
		144	5720	12.92	14.92	
	802.11ax-HE40 MCS0	102	5510	13.49	15.49	100.00
		110	5550	13.24	15.24	
		126	5630	13.18	15.18	
		134	5670	13.10	15.10	
		142	5710	12.86	14.86	
		106	5530	12.37	14.37	
	802.11ax-HE80 MCS0	122	5610	11.99	13.99	100.00
		138	5690	11.75	13.75	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	13.53	15.53	98.77
		157	5785	13.20	15.20	
		165	5825	13.04	15.04	
	802.11n-HT20 MCS0	149	5745	13.39	15.39	100.00
		157	5785	13.44	15.44	
		165	5825	13.24	15.24	
	802.11n-HT40 MCS0	151	5755	13.58	15.58	100.00
		159	5795	13.49	15.49	
	802.11ac-VHT20 MCS0	149	5745	13.34	15.34	100.00
		157	5785	13.25	15.25	
		165	5825	13.12	15.12	
	802.11ac-VHT40 MCS0	151	5755	13.51	15.51	100.00
		159	5795	13.49	15.49	
	802.11ac-VHT80 MCS0	155	5775	11.25	13.25	100.00
	802.11ax-HE20 MCS0	149	5745	13.20	15.20	100.00
		157	5785	12.93	14.93	
		165	5825	13.21	15.21	
	802.11ax-HE40 MCS0	151	5755	13.55	15.55	100.00
		159	5795	13.12	15.12	
	802.11ax-HE80 MCS0	155	5775	12.12	14.12	100.00

Reduced Power Level 1 for Hotspot

2.4GHz WLAN	Ant 1+2					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.96	21.96	98.35
		6	2437	18.66	20.66	
		11	2462	18.81	20.81	
	802.11g 6Mbps	1	2412	16.11	18.11	99.04
		6	2437	15.47	17.47	
		11	2462	16.16	18.16	
	802.11n-HT20 MCS0	1	2412	17.06	19.06	100.00
		6	2437	16.86	18.86	
		11	2462	16.91	18.91	
	802.11n-HT40 MCS0	3	2422	14.76	16.76	100.00
		6	2437	15.06	17.06	
		9	2452	14.76	16.76	
	802.11ax-HE20 MCS0	1	2412	17.06	19.06	100.00
		6	2437	16.91	18.91	
		11	2462	16.86	18.86	
	802.11ax-HE40 MCS0	3	2422	15.06	17.06	100.00
		6	2437	14.77	16.77	
		9	2452	14.53	16.53	

5GHz WLAN	Ant 1+2					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	15.24	17.24	98.77
		157	5785	15.05	17.05	
		165	5825	15.20	17.20	
	802.11n-HT20 MCS0	149	5745	15.35	17.35	100.00
		157	5785	15.44	17.44	
		165	5825	15.20	17.20	
	802.11n-HT40 MCS0	151	5755	15.62	17.62	100.00
		159	5795	15.46	17.46	
		149	5745	15.19	17.19	100.00
	802.11ac-VHT20 MCS0	157	5785	15.30	17.30	
		165	5825	15.20	17.20	
	802.11ac-VHT40 MCS0	151	5755	15.47	17.47	100.00
		159	5795	15.56	17.56	
	802.11ac-VHT80 MCS0	155	5775	13.15	15.15	100.00
		149	5745	15.19	17.19	
		157	5785	14.95	16.95	100.00
	802.11ax-HE20 MCS0	165	5825	15.14	17.14	
		151	5755	15.43	17.43	100.00
		159	5795	15.09	17.09	
	802.11ax-HE80 MCS0	155	5775	14.21	16.21	100.00

Reduced Power Level 2 for Hotspot

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.96	19.96	98.35
		6	2437	17.66	19.66	
		11	2462	17.81	19.81	
	802.11g 6Mbps	1	2412	15.11	17.11	99.04
		6	2437	14.57	16.57	
		11	2462	14.96	16.96	
	802.11n-HT20 MCS0	1	2412	16.06	18.06	100.00
		6	2437	15.76	17.76	
		11	2462	16.21	18.21	
	802.11n-HT40 MCS0	3	2422	13.76	15.76	100.00
		6	2437	14.06	16.06	
		9	2452	13.66	15.66	
	802.11ax-HE20 MCS0	1	2412	16.26	18.26	100.00
		6	2437	15.61	17.61	
		11	2462	16.26	18.26	
	802.11ax-HE40 MCS0	3	2422	13.96	15.96	100.00
		6	2437	13.77	15.77	
		9	2452	13.43	15.43	

5GHz WLAN		Ant 1+2				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	15.39	17.39	98.77
		40	5200	15.39	17.39	
		44	5220	15.65	17.65	
	802.11n-HT20 MCS0	48	5240	15.49	17.49	100.00
		36	5180	14.96	16.96	
		40	5200	15.09	17.09	
	802.11n-HT40 MCS0	44	5220	14.98	16.98	100.00
		48	5240	14.96	16.96	
		38	5190	15.20	17.20	
	802.11ac-VHT20 MCS0	46	5230	15.23	17.23	100.00
		36	5180	14.90	16.90	
		40	5200	15.14	17.14	
	802.11ac-VHT40 MCS0	44	5220	15.09	17.09	100.00
		48	5240	15.01	17.01	
		38	5190	15.12	17.12	
	802.11ac-VHT80 MCS0	46	5230	15.32	17.32	100.00
		42	5210	14.27	16.27	
		36	5180	15.11	17.11	
	802.11ax-HE20 MCS0	40	5200	15.18	17.18	100.00
		44	5220	15.17	17.17	
		48	5240	15.30	17.30	
	802.11ax-HE40 MCS0	38	5190	14.45	16.45	100.00
		46	5230	15.38	17.38	
	802.11ax-HE80 MCS0	42	5210	14.08	16.08	100.00

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	14.24	16.24	98.77
		157	5785	14.05	16.05	
		165	5825	14.20	16.20	
	802.11n-HT20 MCS0	149	5745	14.35	16.35	100.00
		157	5785	14.44	16.44	
		165	5825	14.20	16.20	
	802.11n-HT40 MCS0	151	5755	14.62	16.62	100.00
		159	5795	14.46	16.46	
		149	5745	14.19	16.19	
	802.11ac-VHT20 MCS0	157	5785	14.30	16.30	100.00
		165	5825	14.20	16.20	
		151	5755	14.47	16.47	
	802.11ac-VHT40 MCS0	159	5795	14.56	16.56	100.00
		155	5775	12.15	14.15	
		149	5745	14.19	16.19	
	802.11ax-HE20 MCS0	157	5785	13.95	15.95	100.00
		165	5825	14.14	16.14	
		151	5755	14.43	16.43	
	802.11ax-HE40 MCS0	159	5795	14.09	16.09	100.00
		155	5775	13.21	15.21	
	802.11ax-HE80 MCS0	155	5775	13.21	15.21	100.00

Reduced Power Level 3 for Hotspot

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	15.06	17.06	98.35
		6	2437	14.66	16.66	
		11	2462	14.81	16.81	
	802.11g 6Mbps	1	2412	12.11	14.11	99.04
		6	2437	11.57	13.57	
		11	2462	12.06	14.06	
	802.11n-HT20 MCS0	1	2412	13.16	15.16	100.00
		6	2437	12.96	14.96	
		11	2462	12.91	14.91	
	802.11n-HT40 MCS0	3	2422	10.76	12.76	100.00
		6	2437	10.96	12.96	
		9	2452	10.86	12.86	
	802.11ax-HE20 MCS0	1	2412	13.16	15.16	100.00
		6	2437	12.61	14.61	
		11	2462	12.96	14.96	
	802.11ax-HE40 MCS0	3	2422	10.86	12.86	100.00
		6	2437	10.67	12.67	
		9	2452	10.63	12.63	

5GHz WLAN		Ant 1+2				
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	13.56	15.56	98.77
		40	5200	13.57	15.57	
		44	5220	13.71	15.71	
		48	5240	13.63	15.63	
	802.11n-HT20 MCS0	36	5180	12.94	14.94	100.00
		40	5200	13.12	15.12	
		44	5220	13.01	15.01	
		48	5240	12.92	14.92	
	802.11n-HT40 MCS0	38	5190	13.30	15.30	100.00
		46	5230	13.17	15.17	
	802.11ac-VHT20 MCS0	36	5180	12.86	14.86	100.00
		40	5200	13.00	15.00	
		44	5220	13.05	15.05	
		48	5240	12.95	14.95	
	802.11ac-VHT40 MCS0	38	5190	13.18	15.18	100.00
		46	5230	13.32	15.32	
	802.11ac-VHT80 MCS0	42	5210	12.37	14.37	100.00
		36	5180	13.07	15.07	
	802.11ax-HE20 MCS0	40	5200	12.98	14.98	100.00
		44	5220	13.19	15.19	
		48	5240	13.18	15.18	
		38	5190	12.36	14.36	100.00
	802.11ax-HE40 MCS0	46	5230	13.24	15.24	
		42	5210	12.06	14.06	100.00

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	12.53	14.53	98.77
		157	5765	12.20	14.20	
		165	5825	12.04	14.04	
	802.11n-HT20 MCS0	149	5745	12.39	14.39	100.00
		157	5765	12.44	14.44	
		165	5825	12.24	14.24	
	802.11n-HT40 MCS0	151	5755	12.58	14.58	100.00
		159	5795	12.49	14.49	
		149	5745	12.34	14.34	100.00
	802.11ac-VHT20 MCS0	157	5765	12.25	14.25	
		165	5825	12.12	14.12	
	802.11ac-VHT40 MCS0	151	5755	12.51	14.51	100.00
		159	5795	12.49	14.49	
		155	5775	10.25	12.25	100.00
	802.11ac-VHT80 MCS0	149	5745	12.20	14.20	100.00
		157	5765	11.93	13.93	
		165	5825	12.21	14.21	
	802.11ax-HE20 MCS0	151	5755	12.55	14.55	100.00
		159	5795	12.12	14.12	
	802.11ax-HE80 MCS0	155	5775	11.12	13.12	100.00

Reduced Power Level 4 for Hotspot

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	13.86	15.66	98.35
		6	2437	13.66	15.66	
		11	2462	13.61	15.61	
	802.11g 6Mbps	1	2412	11.21	13.21	99.04
		6	2437	10.77	12.77	
		11	2462	10.86	12.86	
	802.11n-HT20 MCS0	1	2412	12.26	14.26	100.00
		6	2437	11.76	13.76	
		11	2462	12.01	14.01	
	802.11n-HT40 MCS0	3	2422	9.56	11.56	100.00
		6	2437	10.16	12.16	
		9	2452	9.76	11.76	
	802.11ax-HE20 MCS0	1	2412	12.36	14.36	100.00
		6	2437	11.81	13.81	
		11	2462	11.86	13.86	
	802.11ax-HE40 MCS0	3	2422	9.96	11.96	100.00
		6	2437	9.97	11.97	
		9	2452	8.43	11.43	

5GHz WLAN		Ant 1+2				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	13.56	15.56	98.77
		40	5200	13.57	15.57	
		44	5220	13.71	15.71	
		48	5240	13.63	15.63	
	802.11n-HT20 MCS0	36	5180	12.94	14.94	100.00
		40	5200	13.12	15.12	
		44	5220	13.01	15.01	
		48	5240	12.92	14.92	
	802.11n-HT40 MCS0	38	5190	13.30	15.30	100.00
		46	5230	13.17	15.17	
	802.11ac-VHT20 MCS0	36	5180	12.86	14.86	100.00
		40	5200	13.00	15.00	
		44	5220	13.05	15.05	
		48	5240	12.95	14.95	
	802.11ac-VHT40 MCS0	38	5190	13.18	15.18	100.00
		46	5230	13.32	15.32	
	802.11ac-VHT80 MCS0	42	5210	12.37	14.37	100.00
	802.11ax-HE20 MCS0	36	5180	13.07	15.07	100.00
		40	5200	12.98	14.98	
		44	5220	13.19	15.19	
		48	5240	13.18	15.18	
	802.11ax-HE40 MCS0	38	5190	12.36	14.36	100.00
	802.11ax-HE80 MCS0	46	5230	13.24	15.24	100.00
		42	5210	12.06	14.06	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	11.57	13.57	98.77
		157	5785	11.22	13.22	
		165	5825	11.27	13.27	
	802.11n-HT20 MCS0	149	5745	11.28	13.28	100.00
		157	5785	11.30	13.30	
		165	5825	11.38	13.38	
	802.11n-HT40 MCS0	151	5755	11.62	13.62	100.00
		159	5795	11.61	13.61	
		165	5825	11.21	13.21	
	802.11ac-VHT20 MCS0	149	5745	11.26	13.26	100.00
		157	5785	11.35	13.35	
		165	5825	11.21	13.21	
	802.11ac-VHT40 MCS0	151	5755	11.62	13.62	100.00
		159	5795	11.61	13.61	
		165	5775	9.26	11.26	
	802.11ac-VHT80 MCS0	149	5745	11.22	13.22	100.00
		157	5785	11.26	13.26	
		165	5825	11.23	13.23	
	802.11ax-HE20 MCS0	151	5755	11.24	13.24	100.00
		159	5795	11.17	13.17	
	802.11ax-HE40 MCS0	155	5775	10.02	12.02	100.00

Reduced Power Level 2 for Body/Product Specific

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.96	19.96	98.35
		6	2437	17.66	19.66	
		11	2462	17.81	19.81	
	802.11g 6Mbps	1	2412	15.11	17.11	99.04
		6	2437	14.57	16.57	
		11	2462	14.96	16.96	
	802.11n-HT20 MCS0	1	2412	16.06	18.06	100.00
		6	2437	15.76	17.76	
		11	2462	16.21	18.21	
	802.11n-HT40 MCS0	3	2422	13.76	15.76	100.00
		6	2437	14.06	16.06	
		9	2452	13.66	15.66	
	802.11ax-HE20 MCS0	1	2412	16.26	18.26	100.00
		6	2437	15.61	17.61	
		11	2462	16.26	18.26	
	802.11ax-HE40 MCS0	3	2422	13.96	15.96	100.00
		6	2437	13.77	15.77	
		9	2452	13.43	15.43	

5GHz WLAN		Ant 1+2				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	15.39	17.39	98.77
		40	5200	15.39	17.39	
		44	5220	15.65	17.65	
	802.11n-HT20 MCS0	48	5240	15.49	17.49	100.00
		36	5180	14.96	16.96	
		40	5200	15.09	17.09	
	802.11n-HT40 MCS0	44	5220	14.98	16.98	100.00
		48	5240	14.96	16.96	
		38	5190	15.20	17.20	
	802.11ac-VHT20 MCS0	46	5230	15.23	17.23	100.00
		36	5180	14.90	16.90	
		40	5200	15.14	17.14	
	802.11ac-VHT40 MCS0	44	5220	15.09	17.09	100.00
		48	5240	15.01	17.01	
		38	5190	15.12	17.12	
	802.11ac-VHT80 MCS0	46	5230	15.32	17.32	100.00
		42	5210	14.27	16.27	
		36	5180	15.11	17.11	
	802.11ax-HE20 MCS0	40	5200	15.18	17.18	100.00
		44	5220	15.17	17.17	
		48	5240	15.30	17.30	
	802.11ax-HE40 MCS0	38	5190	14.45	16.45	100.00
		46	5230	15.38	17.38	
	802.11ax-HE80 MCS0	42	5210	14.08	16.08	100.00

5GHz WLAN		Ant 1+2				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	15.73	17.73	98.77
		56	5280	15.60	17.60	
		60	5300	15.83	17.83	
		64	5320	15.93	17.93	
	802.11n-HT20 MCS0	52	5260	15.27	17.27	100.00
		56	5280	15.52	17.52	
		60	5300	15.38	17.38	
		64	5320	15.88	17.88	
	802.11n-HT40 MCS0	54	5270	15.54	17.54	100.00
		62	5310	14.59	16.59	
	802.11ac-VHT20 MCS0	52	5260	15.24	17.24	100.00
		56	5280	15.25	17.25	
		60	5300	15.37	17.37	
	802.11ac-VHT40 MCS0	64	5320	15.64	17.64	100.00
		54	5270	15.40	17.40	
	802.11ac-VHT80 MCS0	62	5310	14.65	16.65	100.00
		58	5290	12.28	14.28	
	802.11ax-HE20 MCS0	52	5260	15.44	17.44	100.00
		56	5280	15.23	17.23	
		60	5300	15.45	17.45	
		64	5320	15.59	17.59	
	802.11ax-HE40 MCS0	54	5270	15.73	17.73	100.00
		62	5310	13.81	15.81	
	802.11ax-HE80 MCS0	58	5290	14.42	16.42	100.00

5GHz WLAN		Ant 1+2				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	14.78	16.78	98.77
		116	5580	14.42	16.42	
		124	5620	14.09	16.09	
		132	5660	14.14	16.14	
		140	5700	14.15	16.15	
		144	5720	14.10	16.10	
	802.11n-HT20 MCS0	100	5500	13.31	15.31	100.00
		116	5580	14.12	16.12	
		124	5620	14.15	16.15	
		132	5660	13.99	15.99	
		140	5700	13.52	15.52	
		144	5720	14.09	16.09	
	802.11n-HT40 MCS0	102	5510	13.41	15.41	100.00
		110	5550	14.30	16.30	
		126	5630	14.23	16.23	
		134	5670	14.41	16.41	
		142	5710	14.56	16.56	
		144	5720	13.94	15.94	
	802.11ac-VHT20 MCS0	100	5500	13.32	15.32	100.00
		116	5580	13.98	15.98	
		124	5620	13.84	15.84	
		132	5660	13.98	15.98	
		140	5700	13.53	15.53	
		144	5720	13.94	15.94	
	802.11ac-VHT40 MCS0	102	5510	13.64	15.64	100.00
		110	5550	14.15	16.15	
		126	5630	14.09	16.09	
		134	5670	14.50	16.50	
		142	5710	14.57	16.57	
		144	5720	13.94	15.94	
	802.11ac-VHT80 MCS0	106	5530	13.42	15.42	100.00
		122	5610	13.16	15.16	
		138	5690	13.25	15.25	
	802.11ac-VHT160 MCS0	114	5570	14.02	16.02	100.00
	802.11ax-HE20 MCS0	100	5500	14.36	16.36	
		116	5580	14.36	16.36	
		124	5620	14.15	16.15	
		132	5660	14.12	16.12	
		140	5700	12.11	14.11	
	802.11ax-HE40 MCS0	144	5720	13.91	15.91	
		102	5510	14.55	16.55	100.00
		110	5550	14.33	16.33	
		126	5630	14.38	16.38	
		134	5670	14.01	16.01	
		142	5710	14.11	16.11	100.00
	802.11ax-HE80 MCS0	106	5530	13.29	15.29	
		122	5610	13.03	15.03	
		138	5690	12.79	14.79	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	14.24	16.24	98.77
		157	5785	14.05	16.05	
		165	5825	14.20	16.20	
	802.11n-HT20 MCS0	149	5745	14.35	16.35	100.00
		157	5785	14.44	16.44	
		165	5825	14.20	16.20	
	802.11n-HT40 MCS0	151	5755	14.62	16.62	100.00
		159	5795	14.46	16.46	
	802.11ac-VHT20 MCS0	149	5745	14.19	16.19	100.00
		157	5785	14.30	16.30	
		165	5825	14.20	16.20	
	802.11ac-VHT40 MCS0	151	5755	14.47	16.47	100.00
		159	5795	14.56	16.56	
	802.11ac-VHT80 MCS0	155	5775	12.15	14.15	100.00
	802.11ax-HE20 MCS0	149	5745	14.19	16.19	100.00
		157	5785	13.95	15.95	
		165	5825	14.14	16.14	
	802.11ax-HE40 MCS0	151	5755	14.43	16.43	100.00
		159	5795	14.09	16.09	
	802.11ax-HE80 MCS0	155	5775	13.21	15.21	100.00

Reduced Power Level 3 for Body/Product Specific

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	16.96	18.96	98.35
		6	2437	16.86	18.86	
		11	2462	16.71	18.71	
	802.11g 6Mbps	1	2412	14.11	16.11	99.04
		6	2437	13.57	15.57	
		11	2462	13.86	15.86	
	802.11n-HT20 MCS0	1	2412	15.06	17.06	100.00
		6	2437	14.76	16.76	
		11	2462	15.01	17.01	
	802.11n-HT40 MCS0	3	2422	12.76	14.76	100.00
		6	2437	12.86	14.86	
		9	2452	12.76	14.76	
	802.11ax-HE20 MCS0	1	2412	15.06	17.06	100.00
		6	2437	14.91	16.91	
		11	2462	15.16	17.16	
	802.11ax-HE40 MCS0	3	2422	13.16	15.16	100.00
		6	2437	12.57	14.57	
		9	2452	12.63	14.63	

5GHz WLAN		Ant 1+2				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	13.56	15.56	98.77
		40	5200	13.57	15.57	
		44	5220	13.71	15.71	
		48	5240	13.63	15.63	
	802.11n-HT20 MCS0	36	5180	12.94	14.94	100.00
		40	5200	13.12	15.12	
		44	5220	13.01	15.01	
		48	5240	12.92	14.92	
	802.11n-HT40 MCS0	38	5190	13.30	15.30	100.00
		46	5230	13.17	15.17	
	802.11ac-VHT20 MCS0	36	5180	12.86	14.86	100.00
		40	5200	13.00	15.00	
		44	5220	13.05	15.05	
		48	5240	12.95	14.95	
	802.11ac-VHT40 MCS0	38	5190	13.18	15.18	100.00
		46	5230	13.32	15.32	
	802.11ac-VHT80 MCS0	42	5210	12.37	14.37	100.00
	802.11ax-HE20 MCS0	36	5180	13.07	15.07	100.00
		40	5200	12.98	14.98	
		44	5220	13.19	15.19	
		48	5240	13.18	15.18	
	802.11ax-HE40 MCS0	38	5190	12.36	14.36	100.00
	802.11ax-HE80 MCS0	46	5230	13.24	15.24	100.00
		42	5210	12.06	14.06	

5GHz WLAN		Ant 1+2				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	13.95	15.95	98.77
		56	5280	13.50	15.50	
		60	5300	13.93	15.93	
		64	5320	13.99	15.99	
	802.11n-HT20 MCS0	52	5260	13.19	15.19	100.00
		56	5280	13.59	15.59	
		60	5300	13.59	15.59	
		64	5320	13.60	15.60	
	802.11n-HT40 MCS0	54	5270	13.61	15.61	100.00
		62	5310	12.45	14.45	
	802.11ac-VHT20 MCS0	52	5260	13.30	15.30	100.00
		56	5280	13.29	15.29	
		60	5300	13.50	15.50	
		64	5320	13.65	15.65	
	802.11ac-VHT40 MCS0	54	5270	13.65	15.65	100.00
		62	5310	12.48	14.48	
	802.11ac-VHT80 MCS0	58	5290	10.22	12.22	100.00
	802.11ac-VHT160 MCS0	50	5250		2.00	
	802.11ax-HE20 MCS0	52	5260	13.32	15.32	100.00
		56	5280	13.52	15.52	
		60	5300	13.46	15.46	
		64	5320	13.58	15.58	
	802.11ax-HE40 MCS0	54	5270	13.66	15.66	100.00
		62	5310	11.84	13.84	
	802.11ax-HE80 MCS0	58	5290	12.28	14.28	100.00

5GHz WLAN		Ant 1+2				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	12.87	14.87	98.77
		116	5580	12.32	14.32	
		124	5620	12.20	14.20	
		132	5660	12.07	14.07	
		140	5700	12.16	14.16	
		144	5720	12.12	14.12	
	802.11n-HT20 MCS0	100	5500	11.38	13.38	100.00
		116	5580	12.10	14.10	
		124	5620	12.16	14.16	
		132	5660	12.14	14.14	
		140	5700	11.39	13.39	
		144	5720	11.97	13.97	
	802.11n-HT40 MCS0	102	5510	11.77	13.77	100.00
		110	5550	12.30	14.30	
		126	5630	12.19	14.19	
		134	5670	12.45	14.45	
		142	5710	12.63	14.63	
		100	5500	11.37	13.37	
	802.11ac-VHT20 MCS0	116	5580	12.04	14.04	100.00
		124	5620	12.17	14.17	
		132	5660	11.92	13.92	
		140	5700	11.45	13.45	
		144	5720	11.98	13.98	
		102	5510	11.62	13.62	
	802.11ac-VHT40 MCS0	110	5550	12.14	14.14	100.00
		126	5630	12.17	14.17	
		134	5670	12.29	14.29	
		142	5710	12.61	14.61	
		106	5530	11.35	13.35	
		122	5610	11.09	13.09	
	802.11ac-VHT80 MCS0	138	5690	11.21	13.21	100.00
		114	5570	12.10	14.10	
	802.11ac-VHT160 MCS0	100	5500	12.28	14.28	100.00
		116	5580	12.17	14.17	
		124	5620	12.28	14.28	
		132	5660	12.06	14.06	
		140	5700	10.30	12.30	
		144	5720	11.92	13.92	
	802.11ax-HE20 MCS0	102	5510	12.49	14.49	100.00
		110	5550	12.24	14.24	
		126	5630	12.18	14.18	
		134	5670	12.10	14.10	
		142	5710	11.86	13.86	
		106	5530	11.37	13.37	
	802.11ax-HE80 MCS0	122	5610	10.99	12.99	100.00
		138	5690	10.75	12.75	
		114	5570	12.10	14.10	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	12.53	14.53	98.77
		157	5785	12.20	14.20	
		165	5825	12.04	14.04	
	802.11n-HT20 MCS0	149	5745	12.39	14.39	100.00
		157	5785	12.44	14.44	
		165	5825	12.24	14.24	
	802.11n-HT40 MCS0	151	5755	12.58	14.58	100.00
		159	5795	12.49	14.49	
		149	5745	12.34	14.34	
	802.11ac-VHT20 MCS0	157	5785	12.25	14.25	100.00
		165	5825	12.12	14.12	
		151	5755	12.51	14.51	
	802.11ac-VHT40 MCS0	159	5795	12.49	14.49	100.00
		155	5775	10.25	12.25	
	802.11ac-VHT80 MCS0	149	5745	12.20	14.20	100.00
		157	5785	11.93	13.93	
		165	5825	12.21	14.21	
	802.11ax-HE20 MCS0	151	5755	12.55	14.55	100.00
		159	5795	12.12	14.12	
	802.11ax-HE80 MCS0	155	5775	11.12	13.12	100.00
		155	5775	11.12	13.12	

Reduced Power Level 4 for Body/Product Specific

2.4GHz WLAN		Ant 1+2				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	13.86	15.66	98.35
		6	2437	13.66	15.66	
		11	2462	13.61	15.61	
	802.11g 6Mbps	1	2412	11.21	13.21	99.04
		6	2437	10.77	12.77	
		11	2462	10.86	12.86	
	802.11n-HT20 MCS0	1	2412	12.26	14.26	100.00
		6	2437	11.76	13.76	
		11	2462	12.01	14.01	
	802.11n-HT40 MCS0	3	2422	9.56	11.56	100.00
		6	2437	10.16	12.16	
		9	2452	9.76	11.76	
	802.11ax-HE20 MCS0	1	2412	12.36	14.36	100.00
		6	2437	11.81	13.81	
		11	2462	11.86	13.86	
	802.11ax-HE40 MCS0	3	2422	9.96	11.96	100.00
		6	2437	9.97	11.97	
		9	2452	9.43	11.43	

5GHz WLAN		Ant 1+2				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	13.56	15.56	98.77
		40	5200	13.57	15.57	
		44	5220	13.71	15.71	
		48	5240	13.63	15.63	
	802.11n-HT20 MCS0	36	5180	12.94	14.94	100.00
		40	5200	13.12	15.12	
		44	5220	13.01	15.01	
		48	5240	12.92	14.92	
	802.11n-HT40 MCS0	38	5190	13.30	15.30	100.00
		46	5230	13.17	15.17	
	802.11ac-VHT20 MCS0	36	5180	12.86	14.86	100.00
		40	5200	13.00	15.00	
		44	5220	13.05	15.05	
		48	5240	12.95	14.95	
	802.11ac-VHT40 MCS0	38	5190	13.18	15.18	100.00
		46	5230	13.32	15.32	
	802.11ac-VHT80 MCS0	42	5210	12.37	14.37	100.00
	802.11ax-HE20 MCS0	36	5180	13.07	15.07	100.00
		40	5200	12.98	14.98	
		44	5220	13.19	15.19	
		48	5240	13.18	15.18	
	802.11ax-HE40 MCS0	38	5190	12.36	14.36	100.00
		46	5230	13.24	15.24	
	802.11ax-HE80 MCS0	42	5210	12.06	14.06	100.00

5GHz WLAN		Ant 1+2				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	13.95	15.95	98.77
		56	5280	13.50	15.50	
		60	5300	13.93	15.93	
		64	5320	13.99	15.99	
	802.11n-HT20 MCS0	52	5260	13.19	15.19	100.00
		56	5280	13.59	15.59	
		60	5300	13.59	15.59	
		64	5320	13.60	15.60	
	802.11n-HT40 MCS0	54	5270	13.61	15.61	100.00
		62	5310	12.45	14.45	
	802.11ac-VHT20 MCS0	52	5260	13.30	15.30	100.00
		56	5280	13.29	15.29	
		60	5300	13.50	15.50	
	802.11ac-VHT40 MCS0	64	5320	13.65	15.65	100.00
		54	5270	13.65	15.65	
	802.11ac-VHT80 MCS0	62	5310	12.48	14.48	100.00
		58	5290	10.22	12.22	
	802.11ax-HE20 MCS0	52	5260	13.32	15.32	100.00
		56	5280	13.52	15.52	
		60	5300	13.46	15.46	
		64	5320	13.58	15.58	
	802.11ax-HE40 MCS0	54	5270	13.66	15.66	100.00
		62	5310	11.84	13.84	
	802.11ax-HE80 MCS0	58	5290	12.28	14.28	100.00

5GHz WLAN		Ant 1+2				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	12.87	14.87	98.77
		116	5580	12.32	14.32	
		124	5620	12.20	14.20	
		132	5660	12.07	14.07	
		140	5700	12.16	14.16	
		144	5720	12.12	14.12	
	802.11n-HT20 MCS0	100	5500	11.38	13.38	100.00
		116	5580	12.10	14.10	
		124	5620	12.16	14.16	
		132	5660	12.14	14.14	
		140	5700	11.39	13.39	
		144	5720	11.97	13.97	
	802.11n-HT40 MCS0	102	5510	11.77	13.77	100.00
		110	5550	12.30	14.30	
		126	5630	12.19	14.19	
		134	5670	12.45	14.45	
		142	5710	12.63	14.63	
		100	5500	11.37	13.37	
	802.11ac-VHT20 MCS0	116	5580	12.04	14.04	100.00
		124	5620	12.17	14.17	
		132	5660	11.92	13.92	
		140	5700	11.45	13.45	
		144	5720	11.98	13.98	
		102	5510	11.62	13.62	
	802.11ac-VHT40 MCS0	110	5550	12.14	14.14	100.00
		126	5630	12.17	14.17	
		134	5670	12.29	14.29	
		142	5710	12.61	14.61	
		106	5530	11.35	13.35	
		122	5610	11.09	13.09	
	802.11ac-VHT80 MCS0	138	5690	11.21	13.21	100.00
		114	5570	12.10	14.10	
	802.11ac-VHT160 MCS0	100	5500	12.28	14.28	100.00
		116	5580	12.17	14.17	
		124	5620	12.28	14.28	
		132	5660	12.06	14.06	
		140	5700	10.30	12.30	
		144	5720	11.92	13.92	
	802.11ax-HE20 MCS0	102	5510	12.49	14.49	100.00
		110	5550	12.24	14.24	
		126	5630	12.18	14.18	
		134	5670	12.10	14.10	
		142	5710	11.86	13.86	
		106	5530	11.37	13.37	
	802.11ax-HE80 MCS0	122	5610	10.99	12.99	100.00
		138	5690	10.75	12.75	
		114	5570	12.10	14.10	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	11.57	13.57	98.77
		157	5785	11.22	13.22	
		165	5825	11.27	13.27	
	802.11n-HT20 MCS0	149	5745	11.28	13.28	100.00
		157	5785	11.30	13.30	
		165	5825	11.38	13.38	
	802.11n-HT40 MCS0	151	5755	11.62	13.62	100.00
		159	5795	11.61	13.61	
		149	5745	11.26	13.26	
	802.11ac-VHT20 MCS0	157	5785	11.35	13.35	100.00
		165	5825	11.21	13.21	
		151	5755	11.62	13.62	
	802.11ac-VHT40 MCS0	159	5795	11.61	13.61	100.00
		155	5775	9.26	11.26	
	802.11ac-VHT80 MCS0	149	5745	11.22	13.22	100.00
		157	5785	11.26	13.26	
		165	5825	11.23	13.23	
	802.11ax-HE20 MCS0	151	5755	11.24	13.24	100.00
		159	5795	11.17	13.17	
	802.11ax-HE80 MCS0	155	5775	10.02	12.02	100.00

Reduced Power for Body/Product Specific (EN-DC)

5GHz WLAN	Ant 1+2					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.39	16.39	98.77
		40	5200	14.39	16.39	
		44	5220	14.65	16.65	
		48	5240	14.49	16.49	
	802.11n-HT20 MCS0	36	5180	13.96	15.96	100.00
		40	5200	14.09	16.09	
		44	5220	13.98	15.98	
		48	5240	13.96	15.96	
	802.11n-HT40 MCS0	38	5190	14.20	16.20	100.00
		46	5230	14.23	16.23	
	802.11ac-VHT20 MCS0	36	5180	13.90	15.90	100.00
		40	5200	14.14	16.14	
		44	5220	14.09	16.09	
		48	5240	14.01	16.01	
	802.11ac-VHT40 MCS0	38	5190	14.12	16.12	100.00
		46	5230	14.32	16.32	
	802.11ac-VHT80 MCS0	42	5210	13.27	15.27	100.00
	802.11ax-HE20 MCS0	36	5180	14.11	16.11	100.00
		40	5200	14.18	16.18	
		44	5220	14.17	16.17	
		48	5240	14.30	16.30	
	802.11ax-HE40 MCS0	38	5190	13.45	15.45	100.00
		46	5230	14.38	16.38	
	802.11ax-HE80 MCS0	42	5210	13.08	15.08	100.00

5GHz WLAN	Ant 1+2					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	14.73	16.73	98.77
		56	5280	14.60	16.60	
		60	5300	14.83	16.83	
		64	5320	14.93	16.93	
	802.11n-HT20 MCS0	52	5260	14.27	16.27	100.00
		56	5280	14.52	16.52	
		60	5300	14.38	16.38	
		64	5320	14.88	16.88	
	802.11n-HT40 MCS0	54	5270	14.54	16.54	100.00
		62	5310	13.59	15.59	
	802.11ac-VHT20 MCS0	52	5260	14.24	16.24	100.00
		56	5280	14.25	16.25	
		60	5300	14.37	16.37	
		64	5320	14.64	16.64	
	802.11ac-VHT40 MCS0	54	5270	14.40	16.40	100.00
		62	5310	13.65	15.65	
	802.11ac-VHT80 MCS0	58	5290	11.26	13.26	100.00
	802.11ax-HE20 MCS0	52	5260	14.44	16.44	100.00
		56	5280	14.23	16.23	
		60	5300	14.45	16.45	
		64	5320	14.59	16.59	
	802.11ax-HE40 MCS0	54	5270	14.73	16.73	100.00
		62	5310	12.81	14.81	
	802.11ax-HE80 MCS0	58	5290	13.42	15.42	100.00

5GHz WLAN		Ant 1+2				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	14.78	16.78	98.77
		116	5580	14.42	16.42	
		124	5620	14.09	16.09	
		132	5660	14.14	16.14	
		140	5700	14.15	16.15	
		144	5720	14.10	16.10	
	802.11n-HT20 MCS0	100	5500	13.31	15.31	100.00
		116	5580	14.12	16.12	
		124	5620	14.15	16.15	
		132	5660	13.99	15.99	
		140	5700	13.52	15.52	
		144	5720	14.09	16.09	
	802.11n-HT40 MCS0	102	5510	13.41	15.41	100.00
		110	5550	14.30	16.30	
		126	5630	14.23	16.23	
		134	5670	14.41	16.41	
		142	5710	14.56	16.56	
		144	5720	13.94	15.94	
	802.11ac-VHT20 MCS0	100	5500	13.32	15.32	100.00
		116	5580	13.98	15.98	
		124	5620	13.84	15.84	
		132	5660	13.98	15.98	
		140	5700	13.53	15.53	
		144	5720	13.94	15.94	
	802.11ac-VHT40 MCS0	102	5510	13.64	15.64	100.00
		110	5550	14.15	16.15	
		126	5630	14.09	16.09	
		134	5670	14.50	16.50	
		142	5710	14.57	16.57	
		144	5720	13.94	15.94	
	802.11ac-VHT80 MCS0	106	5530	13.42	15.42	100.00
		122	5610	13.16	15.16	
		138	5690	13.25	15.25	
	802.11ac-VHT160 MCS0	114	5570	14.02	16.02	100.00
	802.11ax-HE20 MCS0	100	5500	14.36	16.36	
		116	5580	14.36	16.36	
		124	5620	14.15	16.15	
		132	5660	14.12	16.12	
		140	5700	12.11	14.11	
	802.11ax-HE40 MCS0	144	5720	13.91	15.91	
		102	5510	14.55	16.55	
		110	5550	14.33	16.33	
		126	5630	14.38	16.38	
		134	5670	14.01	16.01	
	802.11ax-HE80 MCS0	142	5710	14.11	16.11	100.00
		106	5530	13.29	15.29	
		122	5610	13.03	15.03	
		138	5690	12.79	14.79	

5GHz WLAN		Ant 1+2				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	13.24	15.24	98.77
		157	5785	13.05	15.05	
		165	5825	13.20	15.20	
	802.11n-HT20 MCS0	149	5745	13.35	15.35	100.00
		157	5785	13.44	15.44	
		165	5825	13.20	15.20	
	802.11n-HT40 MCS0	151	5755	13.62	15.62	100.00
		159	5795	13.46	15.46	
	802.11ac-VHT20 MCS0	149	5745	13.19	15.19	100.00
		157	5785	13.30	15.30	
		165	5825	13.20	15.20	
	802.11ac-VHT40 MCS0	151	5755	13.47	15.47	100.00
		159	5795	13.56	15.56	
	802.11ac-VHT80 MCS0	155	5775	11.15	13.15	100.00
	802.11ax-HE20 MCS0	149	5745	13.19	15.19	100.00
		157	5785	12.95	14.95	
		165	5825	13.14	15.14	
	802.11ax-HE40 MCS0	151	5755	13.43	15.43	100.00
		159	5795	13.09	15.09	
	802.11ax-HE80 MCS0	155	5775	12.21	14.21	100.00