



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power for UAT

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	32.80	824.2	836.4	848.8	23.80
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	30.59	31.30	24.46	24.65	24.59	25.30
GPRS 3 Tx slots	28.84	29.01	29.00	29.80	24.59	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	23.56	23.43	23.80	19.06	19.30	19.17	19.54
EDGE 4 Tx slots	22.38	22.82	22.69	23.20	19.58	19.62	19.69	20.20

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1908.8	28.80	1850.2	1880	1908.8	19.80
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	27.56	27.56	28.80	19.47	18.56	18.56	19.90
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	23.99	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	20.66	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	4182		4233
	Rx Channel	9662	9800		9938	1537	1638		1738	4357	4407		4458
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1752.6	1782.6		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	21.28	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	20.68	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	22.89	23.80
3GPP Rel 7	HSPA+ (6QAM) 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 BC9			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)	
	TX Channel	618	694		777	25	600		1175	476	550		684
	Frequency (MHz)	824.7	838.52		848.31	1851.25	1890		1928.75	817.9	820.5		823.1
	RC1 5055	24.01	24.02	23.98	24.80	21.78	21.80	21.89	23.30	24.16	24.18	24.14	24.80
	RC3 5055	23.98	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 5032 (F-SCH)	23.94	23.99	23.95	24.80	21.89	21.78	21.82	23.30	24.12	24.15	24.12	24.80
	RETAP 151.9Kbps	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 40968Hz	23.89	23.96	23.94	24.80	21.67	21.76	21.80	23.30	24.11	24.13	24.10	24.80

Table 1: L1E Base

Table with columns: SW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Contains data for various frequencies and modulation types like QPSK, 16QAM, 64QAM, 256QAM.

Table 2: L1E Base

Table with columns: SW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Contains data for various frequencies and modulation types like QPSK, 16QAM, 64QAM, 256QAM.

Table 3: L1E Base

Table with columns: SW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Contains data for various frequencies and modulation types like QPSK, 16QAM, 64QAM, 256QAM.

LTN Base 1

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTN Base 2

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTN Base 3

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTN Base 4

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTN Base 5

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTN Base 6

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTN Base 7

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTN Base 8

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTN Base 9

Table with columns: BSV (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBc), Tune-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

Reduced power level 1 for Head-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								
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	30.62	30.83	30.93	31.30	21.62	21.83	21.93	22.30
GPRS 1 Tx slot	30.58	30.81	30.99	31.30	21.58	21.81	21.99	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	15.03	15.82	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	18.03	18.19	18.27	18.70

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	681	810		512	681	810	
Tx Channel								
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	18.84	18.90	18.75	19.50	14.38	14.64	14.48	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 #			Tune-up Limit (dBm)	WCDMA M			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	5982	5900		9538	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	1752.6	1752.6	836.4	839.4	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	
3GPP Rel 99	RVLC 12.2Kbps	13.06	12.86	12.94	14.30	13.46	13.53	13.61	14.80	20.61	20.57	20.55	
3GPP Rel 6	HSDPA Subtest-1	12.28	12.36	12.35	13.30	12.29	12.47	12.44	13.80	19.53	19.83	19.64	
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	
3GPP Rel 6	HSDPA Subtest-3	11.78	11.87	11.87	12.80	11.83	11.94	11.91	13.30	19.03	18.76	19.11	
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	
3GPP Rel 8	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	
3GPP Rel 8	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	
3GPP Rel 8	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	
3GPP Rel 8	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	
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	
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	
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	18.30	
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	17.69	
3GPP Rel 6	HSUPA Subtest-5	12.24	12.34	12.44	13.30	12.02	12.42	12.42	13.80	19.94	19.99	19.13	
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	

Band	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)	
	TX Channel	818	894		777	25	809		1175	476	550		684
	Frequency (MHz)	824.7	838.52		848.31	1851.25	1890		1928.75	817.9	820.5		823.1
	RC1 5055	22.03	22.05	22.00	22.80	13.62	13.65	13.72	14.80	21.24	21.26	21.13	
	RC3 5055	22.02	22.04	21.99	22.80	13.59	13.61	13.71	14.80	21.23	21.25	21.12	
	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	
	RC3 5032 (F-SCH)	21.98	21.99	21.98	22.80	13.53	13.59	13.68	14.80	21.21	21.24	21.10	
	RETAP 151.9Kbps	21.93	21.97	21.95	22.80	13.51	13.58	13.67	14.80	21.21	21.23	21.09	
	RETAP 40968ks	21.91	21.96	21.93	22.80	13.50	13.57	13.65	14.80	21.20	21.23	21.09	

LTB Table

Table with columns: BW (MHz), Modulation, RB (SSB), RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Includes sub-headers for Frequency (MHz) and Channel. Rows list various frequency bands and power levels.

LTB Table

Table with columns: BW (MHz), Modulation, RB (SSB), RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Includes sub-headers for Frequency (MHz) and Channel. Rows list various frequency bands and power levels.

LTB Table

Table with columns: BW (MHz), Modulation, RB (SSB), RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Includes sub-headers for Frequency (MHz) and Channel. Rows list various frequency bands and power levels.

LTB Table

Table with columns: BW (MHz), Modulation, RB (SSB), RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Includes sub-headers for Frequency (MHz) and Channel. Rows list various frequency bands and power levels.

Table 1: Channel 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (dBm), MPR (dB). Contains data for various channels and modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Table 2: Channel 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (dBm), MPR (dB). Contains data for various channels and modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Table 3: Channel 3

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (dBm), MPR (dB). Contains data for various channels and modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Table 4: Channel 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (dBm), MPR (dB). Contains data for various channels and modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (dBm), MPR (dB). Contains data for various channels and modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (dBm), MPR (dB). Contains data for various channels and modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (dBm), MPR (dB). Contains data for various channels and modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (dBm), MPR (dB). Contains data for various channels and modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

LTE Band 38									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37850	38000	38150			
20	QPSK	1	0	15.07	15.02	14.94	16.1	0	
20	QPSK	1	49	15.20	15.11	15.16			
20	QPSK	1	99	15.35	15.15	15.15			
20	QPSK	50	0	15.01	14.99	15.01	16.1	0	
20	QPSK	50	24	15.26	14.96	15.19			
20	QPSK	50	50	14.99	14.80	14.82			
20	QPSK	100	0	14.88	14.80	14.80	16.1	0	
20	16QAM	1	0	15.13	15.08	14.98			
20	16QAM	1	49	15.10	15.04	15.12			
20	16QAM	1	99	15.23	15.18	15.09	16.1	0	
20	16QAM	50	0	14.87	14.73	14.74			
20	16QAM	50	24	15.10	14.84	14.88			
20	16QAM	50	50	15.02	14.87	14.89	16.1	0	
20	16QAM	100	0	14.97	14.87	14.77			
20	16QAM	1	0	14.70	14.54	14.64			
20	64QAM	1	49	14.77	14.56	14.77	16.1	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	16.1	0	
20	64QAM	50	50	14.55	14.52	14.60			
20	64QAM	100	0	14.61	14.44	14.57			
20	256QAM	1	0	14.63	14.47	14.57	16.1	0	
20	256QAM	1	49	14.63	14.42	14.63			
20	256QAM	1	99	14.59	14.56	14.64			
20	256QAM	50	0	14.39	14.33	14.48	16.1	0	
20	256QAM	50	24	14.56	14.42	14.59			
20	256QAM	50	50	14.48	14.45	14.53			
20	256QAM	100	0	14.49	14.32	14.45			
Channel									
Frequency (MHz)				37825	38000	38175			
Frequency (MHz)				2977.5	2995	2912.5			
15	QPSK	1	0	14.71	14.75	14.86	16.1	0	
15	QPSK	1	37	14.88	14.86	14.90			
15	QPSK	1	74	14.93	14.70	14.89			
15	QPSK	36	0	14.77	14.70	14.87	16.1	0	
15	QPSK	36	20	14.89	14.92	14.98			
15	QPSK	36	39	14.76	14.85	14.95			
15	QPSK	75	0	14.80	14.84	14.92	16.1	0	
15	16QAM	1	0	14.93	15.04	15.11			
15	16QAM	1	37	15.10	15.03	15.24			
15	16QAM	1	74	15.15	15.10	15.26	16.1	0	
15	16QAM	36	0	14.59	14.71	14.84			
15	16QAM	36	20	14.90	14.93	14.97			
15	16QAM	36	39	14.76	14.82	14.92	16.1	0	
15	16QAM	75	0	14.60	14.81	14.96			
15	16QAM	75	0	14.64	14.49	14.60			
15	64QAM	1	37	14.76	14.72	14.76	16.1	0	
15	64QAM	1	74	14.82	14.60	14.83			
15	64QAM	36	0	14.54	14.89	14.48			
15	64QAM	36	20	14.75	14.58	14.63	16.1	0	
15	64QAM	36	39	14.63	14.57	14.68			
15	64QAM	75	0	14.89	14.53	14.49			
15	256QAM	1	0	14.57	14.41	14.53	16.1	0	
15	256QAM	1	37	14.62	14.58	14.62			
15	256QAM	1	74	14.68	14.46	14.69			
15	256QAM	36	0	14.45	14.30	14.39	16.1	0	
15	256QAM	36	20	14.68	14.51	14.56			
15	256QAM	36	39	14.56	14.50	14.61			
15	256QAM	75	0	14.57	14.41	14.37			
Channel									
Frequency (MHz)				37800	38000	38200			
Frequency (MHz)				2975	2995	2915			
10	QPSK	1	0	14.56	14.65	14.64	16.1	0	
10	QPSK	1	25	14.60	14.68	14.71			
10	QPSK	1	49	14.57	14.71	14.79			
10	QPSK	25	0	14.59	14.66	14.68	16.1	0	
10	QPSK	25	12	14.69	14.72	14.86			
10	QPSK	25	25	14.69	14.63	14.75			
10	QPSK	50	0	14.60	14.66	14.74	16.1	0	
10	16QAM	1	0	14.69	14.97	14.89			
10	16QAM	1	25	14.72	15.00	15.00			
10	16QAM	1	49	14.88	14.81	14.88	16.1	0	
10	16QAM	25	0	14.52	14.61	14.70			
10	16QAM	25	12	14.75	14.76	14.87			
10	16QAM	25	25	14.64	14.76	14.86	16.1	0	
10	16QAM	50	0	14.66	14.69	14.79			
10	16QAM	50	0	14.61	14.72	14.95			
10	64QAM	1	25	14.81	14.82	14.74	16.1	0	
10	64QAM	1	49	14.66	14.79	15.06			
10	64QAM	25	0	14.84	14.65	14.77			
10	64QAM	25	12	14.96	14.76	14.89	16.1	0	
10	64QAM	25	25	14.88	14.89	14.90			
10	64QAM	50	0	14.85	14.69	14.79			
10	256QAM	1	0	14.54	14.65	14.88	16.1	0	
10	256QAM	1	25	14.67	14.65	14.80			
10	256QAM	1	49	14.52	14.65	14.92			
10	256QAM	25	0	14.75	14.56	14.68	16.1	0	
10	256QAM	25	12	14.89	14.69	14.82			
10	256QAM	25	25	14.81	14.62	14.83			
10	256QAM	50	0	14.73	14.57	14.67			
Channel									
Frequency (MHz)				37775	38000	38225			
Frequency (MHz)				2972.5	2995	2917.5			
5	QPSK	1	0	14.41	14.53	14.65	16.1	0	
5	QPSK	1	12	14.54	14.75	14.72			
5	QPSK	1	24	14.58	14.44	14.61			
5	QPSK	12	0	14.53	14.62	14.47	16.1	0	
5	QPSK	12	7	14.60	14.59	14.68			
5	QPSK	12	13	14.67	14.56	14.60			
5	QPSK	25	0	14.69	14.52	14.59	16.1	0	
5	16QAM	1	0	14.64	14.48	14.54			
5	16QAM	1	12	14.78	14.71	14.58			
5	16QAM	1	24	14.73	14.51	14.63	16.1	0	
5	16QAM	12	0	14.60	14.58	14.61			
5	16QAM	12	7	14.71	14.58	14.68			
5	16QAM	12	13	14.63	14.55	14.59	16.1	0	
5	16QAM	25	0	14.62	14.61	14.59			
5	64QAM	1	0	14.69	14.61	14.63			
5	64QAM	1	12	14.65	14.62	14.63	16.1	0	
5	64QAM	1	24	14.64	14.66	14.63			
5	64QAM	12	0	14.62	14.65	14.65			
5	64QAM	12	7	14.65	14.69	14.66	16.1	0	
5	64QAM	12	13	14.71	14.64	14.67			
5	64QAM	25	0	14.68	14.65	14.66			
5	256QAM	1	0	14.62	14.54	14.56	16.1	0	
5	256QAM	1	12	14.51	14.46	14.49			
5	256QAM	1	24	14.50	14.52	14.49			
5	256QAM	12	0	14.53	14.56	14.56	16.1	0	
5	256QAM	12	7	14.58	14.62	14.59			
5	256QAM	12	13	14.64	14.57	14.60			
5	256QAM	25	0	14.56	14.53	14.54			

LTE Band 41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				39750	40185	40620			
Frequency (MHz)				2506	2549.5	2593			
20	QPSK	1	0	15.08	15.27	15.14	16.1	0	
20	QPSK	1	49	15.10	15.17	15.29			
20	QPSK	1	99	15.13	15.24	15.09			
20	QPSK	50	0	14.88	15.14	15.22	16.1	0	
20	QPSK	50	24	15.08	15.24	15.36			
20	QPSK	50	50	14.97	15.26	15.35			
20	QPSK	100	0	15.03	15.13	15.36	16.1	0	
20	16QAM	1	0	15.04	15.27	15.09			
20	16QAM	1	49	15.00	15.26	15.36			
20	16QAM	1	99	15.02	15.37	15.21	16.1	0	
20	16QAM	50	0	15.01	15.16	15.23			
20	16QAM	50	24	15.03	15.29	15.30			
20	16QAM	50	50	15.02	15.28	15.34	16.1	0	
20	16QAM	100	0	14.98	15.16	15.35			
20	16QAM	1	0	15.00	14.86	14.80			
20	64QAM	1	49	14.84	14.97	15.02	16.1	0	
20	64QAM	1	99	14.93	15.00	14.98			
20	64QAM	50	0	15.11	15.16	15.23			
20	64QAM	50	24	15.15	15.29	15.32	16.1	0	
20	64QAM	50	50	15.12	15.29	15.35			
20	64QAM	100	0	14.94	15.17	15.32			
20	256QAM	1	0	14.93	14.88	14.83	16.1	0	
20	256QAM	1	49	14.70	14.83	14.88			
20	256QAM</								

LTE Band 41HPLTE

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	18.6	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.95	17.84	17.89	17.74	17.73	18.6	0
20	QPSK	1	49	17.91	17.96	18.01	18.04	18.03		
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		
20	QPSK	50	24	17.88	17.71	18.00	17.81	17.78	18.6	0
20	QPSK	50	50	17.65	17.69	17.91	17.78	17.76		
20	QPSK	100	0	17.61	17.66	17.92	17.78	17.74		
20	16QAM	1	0	17.94	17.83	17.85	17.55	17.57		
20	16QAM	1	49	17.85	17.80	17.93	17.93	17.94	18.6	0
20	16QAM	1	99	17.88	17.91	17.74	17.80	17.94		
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		
20	16QAM	50	50	17.75	17.82	17.92	17.88	17.92	18.6	0
20	16QAM	100	0	17.67	17.69	17.94	17.69	17.67		
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		
20	64QAM	1	99	17.40	17.55	17.28	17.35	17.50	18.6	0
20	64QAM	50	0	17.40	17.48	17.61	17.40	17.58		
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		
20	64QAM	100	0	17.32	17.50	17.60	17.45	17.72	18.6	0
20	256QAM	1	0	16.93	16.96	17.05	16.98	16.75		
20	256QAM	1	49	17.07	17.20	17.16	17.09	17.03		
20	256QAM	1	99	16.97	16.76	16.75	16.63	16.91		
20	256QAM	50	0	17.11	17.32	17.35	17.11	17.12	18.6	0
20	256QAM	50	24	17.22	17.01	17.04	17.05	17.20		
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				39725	40173	40620	41068	41515	18.6	0
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5		
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	17.68	17.69		
15	QPSK	36	0	17.53	17.42	17.49	17.65	17.65		
15	QPSK	36	36	17.56	17.55	17.62	17.80	17.73	18.6	0
15	QPSK	36	36	17.45	17.39	17.66	17.80	17.73		
15	QPSK	75	0	17.50	17.42	17.62	17.79	17.67		
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		
15	16QAM	36	20	17.55	17.51	17.59	17.74	17.68		
15	16QAM	36	36	17.59	17.40	17.70	17.79	17.71	18.6	0
15	16QAM	75	0	17.58	17.44	17.57	17.73	17.58		
15	64QAM	1	0	17.12	17.10	17.10	17.35	17.26		
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		
15	64QAM	36	36	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	17.28	17.07	17.05	17.03		
15	256QAM	1	74	17.00	16.91	17.08	17.10	17.09		
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	17.08	17.04		
15	256QAM	36	36	17.10	17.23	17.31	17.04	17.05		
15	256QAM	75	0	16.88	17.21	17.16	17.22	17.27		
Channel				39700	40160	40620	41080	41540	18.6	0
Frequency (MHz)				2501	2547	2593	2639	2685		
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		
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		
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		
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		
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		
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		
10	256QAM	1	49	16.90	16.79	16.85	16.85	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		
10	256QAM	50	0	16.69	17.04	16.99	17.10	17.11		
Channel				39675	40148	40620	41093	41565	18.6	0
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5		
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	17.28	17.44	17.60	17.49		
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		
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		
5	16QAM	12	7	17.43	17.48	17.49	17.68	17.74		
5	16QAM	12	13	17.46	17.48	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		
5	64QAM	1	12	16.96	17.25	17.28	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	17.38		
5	64QAM	12	7	17.04	17.27	17.26	17.38	17.40		
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	0	16.83	16.89	17.11	17.17	17.07		
5	256QAM	1	12	16.86	17.02	17.01	17.12	17.16		
5	256QAM	1	24	16.91	16.89	16.89	17.00	17.01		
5	256QAM	12	0	16.85	17.10	16.92	17.03	17.22	18.6	0
5	256QAM	12	7	17.00	17.05	17.05	17.19	17.18		
5	256QAM	12	13	16.93	17.18	17.19	17.15	17.10		
5	256QAM	25	0	16.93	17.17	17.12	17.09	17.10		

LTE Band 48				Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	55340	55830	56150	56640				
Channel				55340	55830	56150	56640	14.8	0		
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	14.38	14.28	14.28	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	QPSK	100	24	14.08	14.40	14.24	14.16				
20	16QAM	1	0	14.08	14.40	14.24	14.16	14.8	0		
20	16QAM	1	49	14.36	14.38	14.33	14.20				
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	14.8	0		
20	16QAM	50	50	14.03	14.16	14.19	14.15				
20	16QAM	100	0	14.01	14.19	14.18	14.15				
20	16QAM	100	24	14.02	14.11	14.05	14.00				
20	64QAM	1	0	14.02	14.11	14.24	14.16	14.8	0		
20	64QAM	1	49	14.22	14.31	14.24	14.16				
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	14.8	0		
20	64QAM	50	50	14.15	14.27	14.30	14.18				
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			14.8	0
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	14.10	14.05	14.28	14.8	0		
15	QPSK	36	38	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	38	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				
15	64QAM	1	74	13.88	13.91	14.03	14.07	14.8	0		
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	38	13.82	13.80	14.01	14.21				
15	64QAM	75	0	13.89	13.85	14.00	14.24	14.8	0		
15	256QAM	1	0	13.84	13.88	14.02	14.17				
15	256QAM	1	37	14.06	13.99	13.93	14.09				
15	256QAM	1	74	13.96	13.97	13.85	14.06				
15	256QAM	36	0	13.98	14.08	14.04	13.91	14.8	0		
15	256QAM	36	20	13.90	13.94	13.95	14.03				
15	256QAM	36	38	13.81	13.90	13.89	13.97				
15	256QAM	75	0	13.84	13.92	13.78	14.16				
Channel				55290	55815	56165	56690	14.8	0		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	13.83	13.89	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	13.96	13.87	13.88	14.02	14.8	0		
10	16QAM	50	0	13.94	13.80	13.86	14.02				
10	64QAM	1	0	13.77	13.81	13.95	14.07				
10	64QAM	1	25	14.01	13.92	13.98	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	13.88	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	14.8	0		
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	14.09				
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				
5	16QAM	12	7	14.01	13.90	13.87	14.05				
5	16QAM	12	13	13.96	13.94	13.82	14.01	14.8	0		
5	16QAM	25	0	13.99	13.82	13.79	14.04				
5	64QAM	1	0	13.77	13.86	13.85	14.01				
5	64QAM	1	12	13.83	13.87	13.81	14.06				
5	64QAM	1	24	13.86	13.89	13.84	14.09	14.8	0		
5	64QAM	12	0	13.90	13.74	13.83	14.07				
5	64QAM	12	7	13.86	13.76	13.86	14.07				
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	13.89	13.95	14.00	14.01				
5	256QAM	1	12	13.91	13.98	14.05	14.14				
5	256QAM	1	24	13.85	13.88	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)
	128	189	251		128	189	251	
Tx Channel	128	189	251		128	189	251	
Frequency (MHz)	854.2	856.4	848.8		854.2	856.4	848.8	
GSM 1 Tx slot	28.17	28.20	28.18	28.80	19.17	19.20	19.16	19.90
GPRS 1 Tx slot	28.05	28.17	28.15	28.80	19.05	19.17	19.15	19.90
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	14.90
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)
	512	561	610		512	561	610	
Tx Channel	512	561	610		512	561	610	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
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	12.87	12.97	12.85	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	7.67	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 #			Tune-up Limit (dBm)	WCDMA M			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	5262	5400		9538	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	19.68	20.30	
3GPP Rel 99	RM-C 12.2Kbps	12.24	12.04	12.12	13.30	12.70	12.77	12.85	13.80	19.77	19.73	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	
3GPP Rel 6	HSDPA Subtest-2	11.49	11.56	11.52	12.30	11.62	11.67	11.69	12.80	18.44	18.76	18.79	
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	
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	
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	
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	18.30	
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	
3GPP Rel 8	DC-HSDPA Subtest-4	10.83	10.92	10.88	11.80	11.06	11.11	11.14	12.30	18.16	18.30	18.26	
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	
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	
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	17.86	
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	
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	
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	

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	600		1175	476	580		684
	Frequency (MHz)	824.7	838.52		848.31	1851.25	1880		1908.75	817.9	820.5		823.1
	RC1 S055	19.53	19.55	19.50	20.30	12.12	12.15	12.22	13.30	20.24	20.26	20.13	
	RC3 S055	19.52	19.54	19.49	20.30	12.09	12.11	12.21	13.30	20.23	20.25	20.12	
	RC3 S033 (F-RCH)	19.49	19.52	19.48	20.30	12.08	12.10	12.20	13.30	20.22	20.24	20.11	
	RC3 S033 (S-RCH)	19.48	19.49	19.46	20.30	12.03	12.09	12.18	13.30	20.21	20.24	20.10	
	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	
	RETAP 4096Bks	19.41	19.46	19.43	20.30	12.00	12.07	12.15	13.30	20.20	20.23	20.09	

Table 1

Channel	Modulation	RB Size	RB Offset	Power P _{max} [dBm]	Power P _{avg} [dBm]	Power P _{peak} [dBm]	Turn-up time (min)	MFR (dB)
Channel 2330								
10	QPSK	1	0	10.46	10.46	10.46	12.1	0
10	QPSK	1	25	10.23	10.23	10.23		
10	QPSK	1	49	10.02	10.02	10.02		
10	QPSK	25	0	10.49	10.49	10.49		
10	QPSK	25	13	10.28	10.28	10.28		
10	QPSK	25	26	10.05	10.05	10.05		
10	QPSK	50	0	10.56	10.56	10.56		
10	QPSK	50	13	10.35	10.35	10.35		
10	QPSK	50	26	10.12	10.12	10.12		
10	QPSK	100	0	10.63	10.63	10.63		
10	QPSK	100	13	10.42	10.42	10.42		
10	QPSK	100	26	10.19	10.19	10.19		
10	QPSK	200	0	10.70	10.70	10.70		
10	QPSK	200	13	10.49	10.49	10.49		
10	QPSK	200	26	10.26	10.26	10.26		
10	QPSK	400	0	10.91	10.91	10.91		
10	QPSK	400	13	10.70	10.70	10.70		
10	QPSK	400	26	10.47	10.47	10.47		
10	QPSK	800	0	11.12	11.12	11.12		
10	QPSK	800	13	10.91	10.91	10.91		
10	QPSK	800	26	10.68	10.68	10.68		
10	QPSK	1600	0	11.33	11.33	11.33		
10	QPSK	1600	13	11.12	11.12	11.12		
10	QPSK	1600	26	10.89	10.89	10.89		
10	QPSK	3200	0	11.54	11.54	11.54		
10	QPSK	3200	13	11.33	11.33	11.33		
10	QPSK	3200	26	11.10	11.10	11.10		
10	QPSK	6400	0	11.75	11.75	11.75		
10	QPSK	6400	13	11.54	11.54	11.54		
10	QPSK	6400	26	11.31	11.31	11.31		
10	QPSK	12800	0	12.16	12.16	12.16		
10	QPSK	12800	13	11.95	11.95	11.95		
10	QPSK	12800	26	11.72	11.72	11.72		
10	QPSK	25600	0	12.81	12.81	12.81		
10	QPSK	25600	13	12.60	12.60	12.60		
10	QPSK	25600	26	12.37	12.37	12.37		
10	QPSK	51200	0	13.66	13.66	13.66		
10	QPSK	51200	13	13.45	13.45	13.45		
10	QPSK	51200	26	13.22	13.22	13.22		
10	QPSK	102400	0	14.95	14.95	14.95		
10	QPSK	102400	13	14.74	14.74	14.74		
10	QPSK	102400	26	14.51	14.51	14.51		
10	QPSK	204800	0	16.24	16.24	16.24		
10	QPSK	204800	13	16.03	16.03	16.03		
10	QPSK	204800	26	15.80	15.80	15.80		
10	QPSK	409600	0	17.93	17.93	17.93		
10	QPSK	409600	13	17.72	17.72	17.72		
10	QPSK	409600	26	17.49	17.49	17.49		
10	QPSK	819200	0	19.66	19.66	19.66		
10	QPSK	819200	13	19.45	19.45	19.45		
10	QPSK	819200	26	19.22	19.22	19.22		
10	QPSK	1638400	0	21.39	21.39	21.39		
10	QPSK	1638400	13	21.18	21.18	21.18		
10	QPSK	1638400	26	20.95	20.95	20.95		
10	QPSK	3276800	0	23.08	23.08	23.08		
10	QPSK	3276800	13	22.87	22.87	22.87		
10	QPSK	3276800	26	22.64	22.64	22.64		
10	QPSK	6553600	0	25.25	25.25	25.25		
10	QPSK	6553600	13	25.04	25.04	25.04		
10	QPSK	6553600	26	24.81	24.81	24.81		
10	QPSK	13107200	0	27.36	27.36	27.36		
10	QPSK	13107200	13	27.15	27.15	27.15		
10	QPSK	13107200	26	26.92	26.92	26.92		
10	QPSK	26214400	0	29.47	29.47	29.47		
10	QPSK	26214400	13	29.26	29.26	29.26		
10	QPSK	26214400	26	29.03	29.03	29.03		
10	QPSK	52428800	0	31.58	31.58	31.58		
10	QPSK	52428800	13	31.37	31.37	31.37		
10	QPSK	52428800	26	31.14	31.14	31.14		
10	QPSK	104857600	0	33.63	33.63	33.63		
10	QPSK	104857600	13	33.42	33.42	33.42		
10	QPSK	104857600	26	33.19	33.19	33.19		
10	QPSK	209715200	0	35.72	35.72	35.72		
10	QPSK	209715200	13	35.51	35.51	35.51		
10	QPSK	209715200	26	35.28	35.28	35.28		
10	QPSK	419430400	0	37.77	37.77	37.77		
10	QPSK	419430400	13	37.56	37.56	37.56		
10	QPSK	419430400	26	37.33	37.33	37.33		
10	QPSK	838860800	0	39.82	39.82	39.82		
10	QPSK	838860800	13	39.61	39.61	39.61		
10	QPSK	838860800	26	39.38	39.38	39.38		
10	QPSK	1677721600	0	41.91	41.91	41.91		
10	QPSK	1677721600	13	41.70	41.70	41.70		
10	QPSK	1677721600	26	41.47	41.47	41.47		
10	QPSK	3355443200	0	43.94	43.94	43.94		
10	QPSK	3355443200	13	43.73	43.73	43.73		
10	QPSK	3355443200	26	43.50	43.50	43.50		
10	QPSK	6710886400	0	45.97	45.97	45.97		
10	QPSK	6710886400	13	45.76	45.76	45.76		
10	QPSK	6710886400	26	45.53	45.53	45.53		
10	QPSK	13421772800	0	48.00	48.00	48.00		
10	QPSK	13421772800	13	47.79	47.79	47.79		
10	QPSK	13421772800	26	47.56	47.56	47.56		
10	QPSK	26843545600	0	50.03	50.03	50.03		
10	QPSK	26843545600	13	49.82	49.82	49.82		
10	QPSK	26843545600	26	49.59	49.59	49.59		
10	QPSK	53687091200	0	52.06	52.06	52.06		
10	QPSK	53687091200	13	51.85	51.85	51.85		
10	QPSK	53687091200	26	51.62	51.62	51.62		
10	QPSK	107374182400	0	54.09	54.09	54.09		
10	QPSK	107374182400	13	53.88	53.88	53.88		
10	QPSK	107374182400	26	53.65	53.65	53.65		
10	QPSK	214748364800	0	56.12	56.12	56.12		
10	QPSK	214748364800	13	55.91	55.91	55.91		
10	QPSK	214748364800	26	55.68	55.68	55.68		
10	QPSK	429496729600	0	58.15	58.15	58.15		
10	QPSK	429496729600	13	57.94	57.94	57.94		
10	QPSK	429496729600	26	57.71	57.71	57.71		
10	QPSK	858993459200	0	60.18	60.18	60.18		
10	QPSK	858993459200	13	59.97	59.97	59.97		
10	QPSK	858993459200	26	59.74	59.74	59.74		
10	QPSK	1717986918400	0	62.21	62.21	62.21		
10	QPSK	1717986918400	13	62.00	62.00	62.00		
10	QPSK	1717986918400	26	61.77	61.77	61.77		
10	QPSK	3435973836800	0	64.24	64.24	64.24		
10	QPSK	3435973836800	13	64.03	64.03	64.03		
10	QPSK	3435973836800	26	63.80	63.80	63.80		
10	QPSK	6871947673600	0	66.27	66.27	66.27		
10	QPSK	6871947673600	13	66.06	66.06	66.06		
10	QPSK	6871947673600	26	65.83	65.83	65.83		
10	QPSK	13743895347200	0	68.30	68.30	68.30		
10	QPSK	13743895347200	13	68.09	68.09	68.09		
10	QPSK	13743895347200	26	67.86	67.86	67.86		
10	QPSK	27487790694400	0	70.37	70.37	70.37		
10	QPSK	27487790694400	13	70.16	70.16	70.16		
10	QPSK	27487790694400	26	69.93	69.93	69.93		
10	QPSK	54975581388800	0	72.40	72.40	72.40		
10	QPSK	54975581388800	13	72.19	72.19	72.19		
10	QPSK	54975581388800	26	71.96	71.96	71.96		
10	QPSK	109951162777600	0	74.43	74.43	74.43		
10	QPSK	109951162777600	13	74.22	74.22	74.22		
10	QPSK	109951162777600	26	73.99	73.99	73.99		
10	QPSK	219902325555200	0	76.52	76.52	76.52		
10	QPSK	219902325555200	13	76.31	76.31	76.31		
10	QPSK	219902325555200	26	76.08	76.08	76.08		
10	QPSK	439804651110400	0	78.55	78.55	78.55		
10								

LTE Band 38											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				37850	38000	38150					
20	QPSK	1	0	14.07	14.02	13.94	15.1	0			
20	QPSK	1	49	14.20	14.11	14.16					
20	QPSK	1	99	14.35	14.15	14.15					
20	QPSK	50	0	14.01	13.99	14.01	15.1	0			
20	QPSK	50	24	14.26	13.96	14.19					
20	QPSK	50	50	13.99	13.80	13.82					
20	QPSK	100	0	13.98	13.80	13.80	15.1	0			
20	16QAM	1	0	14.09	14.04	13.94					
20	16QAM	1	49	14.06	14.00	14.08					
20	16QAM	1	99	14.19	14.14	14.05	15.1	0			
20	16QAM	50	0	13.83	13.89	13.70					
20	16QAM	50	24	14.06	13.80	13.84					
20	16QAM	50	50	13.98	13.83	13.85	15.1	0			
20	16QAM	100	0	13.93	13.83	13.73					
20	16QAM	1	0	13.86	13.50	13.60					
20	64QAM	1	49	13.73	13.52	13.73	15.1	0			
20	64QAM	1	99	13.89	13.66	13.74					
20	64QAM	50	0	13.44	13.38	13.51					
20	64QAM	50	24	13.99	13.45	13.62	15.1	0			
20	64QAM	50	50	13.51	13.48	13.56					
20	64QAM	100	0	13.57	13.40	13.53					
20	256QAM	1	0	13.52	13.33	13.49	15.1	0			
20	256QAM	1	49	13.56	13.45	13.62					
20	256QAM	1	99	13.64	13.56	13.59					
20	256QAM	50	0	13.31	13.34	13.40	15.1	0			
20	256QAM	50	24	13.49	13.32	13.48					
20	256QAM	50	50	13.46	13.38	13.45					
20	256QAM	100	0	13.44	13.31	13.48	15.1	0			
Channel											
Frequency (MHz)				37825	38000	38175					
15	QPSK	1	0	13.67	13.71	13.82	15.1	0			
15	QPSK	1	37	13.64	13.82	13.86					
15	QPSK	1	74	13.89	13.86	13.85					
15	QPSK	36	0	13.73	13.69	13.83	15.1	0			
15	QPSK	36	20	13.65	13.88	13.94					
15	QPSK	36	39	13.72	13.81	13.91					
15	QPSK	75	0	13.76	13.80	13.88	15.1	0			
15	16QAM	1	0	13.89	14.00	14.07					
15	16QAM	1	37	14.06	13.99	14.20					
15	16QAM	1	74	14.11	14.06	14.22	15.1	0			
15	16QAM	36	0	13.55	13.67	13.80					
15	16QAM	36	20	13.86	13.89	13.93					
15	16QAM	36	39	13.71	13.78	13.88	15.1	0			
15	16QAM	75	0	13.76	13.77	13.92					
15	16QAM	1	0	13.60	13.44	13.56					
15	64QAM	1	37	13.72	13.68	13.72	15.1	0			
15	64QAM	1	74	13.78	13.56	13.79					
15	64QAM	36	0	13.50	13.85	13.44					
15	64QAM	36	20	13.71	13.54	13.59	15.1	0			
15	64QAM	36	39	13.59	13.53	13.64					
15	64QAM	75	0	13.65	13.49	13.45					
15	256QAM	1	0	13.46	13.27	13.45	15.1	0			
15	256QAM	1	37	13.55	13.61	13.61					
15	256QAM	1	74	13.78	13.46	13.64					
15	256QAM	36	0	13.37	13.81	13.33	15.1	0			
15	256QAM	36	20	13.61	13.41	13.43					
15	256QAM	36	39	13.64	13.43	13.53					
15	256QAM	75	0	13.52	13.40	13.40	15.1	0			
Channel											
Frequency (MHz)				37800	38000	38200					
10	QPSK	1	0	13.52	13.61	13.60	15.1	0			
10	QPSK	1	25	13.56	13.64	13.67					
10	QPSK	1	49	13.55	13.67	13.65					
10	QPSK	25	0	13.55	13.62	13.64	15.1	0			
10	QPSK	25	12	13.65	13.68	13.82					
10	QPSK	25	25	13.65	13.58	13.71					
10	QPSK	50	0	13.65	13.62	13.70	15.1	0			
10	16QAM	1	0	13.65	13.93	13.85					
10	16QAM	1	25	13.68	13.96	13.96					
10	16QAM	1	49	13.84	13.77	13.84	15.1	0			
10	16QAM	25	0	13.48	13.57	13.66					
10	16QAM	25	12	13.71	13.72	13.83					
10	16QAM	25	25	13.60	13.74	13.82	15.1	0			
10	16QAM	50	0	13.62	13.65	13.76					
10	64QAM	1	0	13.57	13.68	13.91					
10	64QAM	1	25	13.77	13.58	13.70	15.1	0			
10	64QAM	1	49	13.62	13.75	14.02					
10	64QAM	25	0	13.80	13.61	13.73					
10	64QAM	25	12	13.92	13.72	13.85	15.1	0			
10	64QAM	25	25	13.84	13.65	13.86					
10	64QAM	50	0	13.81	13.65	13.75					
10	256QAM	1	0	13.43	13.51	13.80	15.1	0			
10	256QAM	1	25	13.60	13.51	13.59					
10	256QAM	1	49	13.57	13.65	13.87					
10	256QAM	25	0	13.67	13.57	13.82	15.1	0			
10	256QAM	25	12	13.82	13.59	13.69					
10	256QAM	25	25	13.79	13.55	13.75					
10	256QAM	50	0	13.68	13.56	13.70	15.1	0			
Channel											
Frequency (MHz)				37775	38000	38225					
5	QPSK	1	0	13.37	13.49	13.61	15.1	0			
5	QPSK	1	12	13.50	13.71	13.68					
5	QPSK	1	24	13.54	13.40	13.57					
5	QPSK	12	0	13.49	13.58	13.43	15.1	0			
5	QPSK	12	7	13.56	13.55	13.64					
5	QPSK	12	13	13.63	13.52	13.56					
5	QPSK	25	0	13.65	13.48	13.55	15.1	0			
5	16QAM	1	0	13.60	13.44	13.50					
5	16QAM	1	12	13.74	13.67	13.54					
5	16QAM	1	24	13.89	13.47	13.59	15.1	0			
5	16QAM	12	0	13.56	13.54	13.57					
5	16QAM	12	7	13.67	13.54	13.64					
5	16QAM	12	13	13.56	13.51	13.55	15.1	0			
5	16QAM	25	0	13.58	13.57	13.55					
5	64QAM	1	0	13.65	13.57	13.59					
5	64QAM	1	12	13.61	13.58	13.59	15.1	0			
5	64QAM	1	24	13.60	13.62	13.59					
5	64QAM	12	0	13.58	13.61	13.61					
5	64QAM	12	7	13.61	13.65	13.62	15.1	0			
5	64QAM	12	13	13.67	13.60	13.63					
5	64QAM	25	0	13.64	13.61	13.62					
5	256QAM	1	0	13.54	13.40	13.48	15.1	0			
5	256QAM	1	12	13.44	13.51	13.46					
5	256QAM	1	24	13.55	13.52	13.44					
5	256QAM	12	0	13.45	13.57	13.50	15.1	0			
5	256QAM	12	7	13.51	13.52	13.46					
5	256QAM	12	13	13.62	13.50	13.52					
5	256QAM	25	0	13.51	13.52	13.57	15.1	0			

LTE Band 41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				39750	40185	40620			
20	QPSK	1	0	14.08	14.27	14.14	15.1	0	
20	QPSK	1	49	14.10	14.17	14.29			
20	QPSK	1	99	14.13	14.24	14.24			
20	QPSK	50	0	13.98	14.14	14.22	15.1	0	
20	QPSK	50	24	14.20	14.24	14.32			
20	QPSK	50	50	13.97	14.26	14.26			
20	QPSK	100	0	14.03	14.13	14.35	15.1	0	
20	16QAM	1	0	13.98	14.21	14.03			
20	16QAM	1	49	13.94	14.20	14.30			
20	16QAM	1	99	13.96	14.31	14.15	15.1	0	
20	16QAM	50	0	13.95	14.10	14.17			
20	16QAM	50	24	13.97	14.23	14.24			
20	16QAM	50	50	13.96	14.22	14.25	15.1	0	
20	16QAM	100	0	13.90	14.10	14.29			
20	16QAM	1	0	13.94	13.89	13.84			
20	64QAM	1	49	13.78	13.91	13.96	15.1	0	
20	64QAM	1	99	13.87	13.94	13.92			
20	64QAM	50	0	14.05	14.10	14.17			
20	64QAM	50	24	14.09	14.23	14.26	15.1	0	
20	64QAM	50	50	14.06	14.23	14.29			
20	64QAM	100	0	13.88	14.11	14.26			
20	256QAM	1	0	13.77	13.70	13.84	15.1	0	
20	256QAM	1	49	13.71	13.80	13.79			
20	256QAM	1	99	13.77	13.79	13.87			
20	256QAM	50	0	14.01	13.99	14.04	15.1	0	
20	256QAM	50	24	13.96	14.07	14.16			
20	256QAM	50	50	13.96	14.12	14.24			
20	256QAM	100	0	1					

LTE Band 41HPUE

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	18.6	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.95	17.84	17.89	17.74	17.73	18.6	0
20	QPSK	1	49	17.91	17.96	18.01	18.04	18.03		
20	QPSK	1	99	17.82	17.87	18.07	17.83	18.06		
20	QPSK	50	0	17.81	17.64	17.90	17.73	17.73	18.6	0
20	QPSK	50	24	17.88	17.71	18.02	17.81	17.78		
20	QPSK	50	50	17.85	17.69	17.91	17.78	17.78		
20	QPSK	100	0	17.61	17.66	17.92	17.78	17.74	18.6	0
20	16QAM	1	0	17.94	17.83	17.85	17.55	17.57		
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		
20	16QAM	50	50	17.75	17.82	17.92	17.88	17.92	18.6	0
20	16QAM	100	0	17.67	17.69	17.94	17.69	17.67		
20	16QAM	1	0	17.36	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	17.48	17.55	17.28	17.35	17.50		
20	64QAM	50	0	17.40	17.48	17.61	17.40	17.58		
20	64QAM	50	24	17.41	17.58	17.70	17.54	17.81	18.6	0
20	64QAM	50	50	17.38	17.60	17.61	17.57	17.80		
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	16.71		
20	256QAM	50	0	17.11	17.32	17.35	17.11	17.12	18.6	0
20	256QAM	50	24	17.22	17.01	17.04	17.05	17.20		
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	18.6	0
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5		
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		
15	QPSK	36	0	17.53	17.42	17.49	17.65	17.65	18.6	0
15	QPSK	36	20	17.56	17.55	17.62	17.80	17.73		
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		
15	16QAM	1	74	17.73	17.54	17.70	17.77	17.74	18.6	0
15	16QAM	36	0	17.58	17.35	17.51	17.69	17.56		
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	17.58	17.44	17.67	17.73	17.58		
15	64QAM	1	0	17.12	17.10	17.10	17.35	17.26		
15	64QAM	1	37	17.15	17.36	17.47	17.55	17.51	18.6	0
15	64QAM	1	74	17.22	17.12	17.32	17.32	17.40		
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		
15	256QAM	1	0	16.96	16.82	17.06	17.19	16.98	18.6	0
15	256QAM	1	37	17.05	17.28	17.07	17.05	17.03		
15	256QAM	1	74	17.00	16.91	17.09	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		
15	256QAM	75	0	16.88	17.21	17.16	17.22	17.27	18.6	0
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
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		
10	QPSK	25	0	17.34	17.22	17.41	17.46	17.44	18.6	0
10	QPSK	25	12	17.47	17.37	17.50	17.66	17.60		
10	QPSK	25	25	17.29	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	17.99	17.32	17.38	17.53	17.61		
10	16QAM	1	25	17.51	17.56	17.64	17.53	17.74		
10	16QAM	1	49	17.45	17.31	17.47	17.65	17.54	18.6	0
10	16QAM	25	0	17.44	17.41	17.49	17.45	17.60		
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		
10	64QAM	1	25	16.93	17.23	17.31	17.28	17.35	18.6	0
10	64QAM	1	49	17.02	17.00	17.08	17.17	17.07		
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		
10	256QAM	1	0	16.95	16.71	16.96	16.96	16.98	18.6	0
10	256QAM	1	25	16.93	17.15	17.11	17.16	17.07		
10	256QAM	1	49	16.80	16.79	16.85	16.85	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		
10	256QAM	50	0	16.89	17.04	16.99	17.10	17.11	18.6	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5		
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	17.28	17.44	17.60	17.69		
5	QPSK	12	0	17.35	17.38	17.46	17.63	17.65	18.6	0
5	QPSK	12	7	17.39	17.47	17.54	17.60	17.64		
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	17.89		
5	16QAM	1	24	17.56	17.47	17.68	17.76	17.73	18.6	0
5	16QAM	12	0	17.50	17.39	17.52	17.67	17.71		
5	16QAM	12	7	17.43	17.48	17.49	17.68	17.74		
5	16QAM	12	13	17.46	17.48	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		
5	64QAM	1	12	16.96	17.25	17.28	17.37	17.39	18.6	0
5	64QAM	1	24	16.98	17.25	17.27	17.37	17.37		
5	64QAM	12	0	16.99	17.26	17.18	17.32	17.38		
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		
5	256QAM	1	0	16.83	16.89	17.11	17.17	17.07	18.6	0
5	256QAM	1	12	16.86	17.02	17.01	17.12	17.16		
5	256QAM	1	24	16.91	16.89	16.89	17.00	17.01		
5	256QAM	12	0	16.85	17.10	16.92	17.03	17.22	18.6	0
5	256QAM	12	7	17.00	17.05	17.05	17.19	17.18		
5	256QAM	12	13	16.93	17.18	17.19	17.15	17.10		
5	256QAM	25	0	16.93	17.17	17.12	17.09</			

LTE Band 48				Power	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. / Freq.	Low-Middle Ch. / Freq.	High-Middle Ch. / Freq.	High Ch. / Freq.		
Channel				55340	55630	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	14.38	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		
20	64QAM	1	99	14.06	14.02	14.11	14.01	14.8	0
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		
20	64QAM	100	0	14.17	14.36	14.31	14.23	14.8	0
20	256QAM	1	0	13.89	13.98	13.97	14.09		
20	256QAM	1	49	13.95	13.99	13.93	14.18		
20	256QAM	1	99	13.98	14.01	13.96	14.24		
20	256QAM	50	0	14.02	13.86	13.95	14.25	14.8	0
20	256QAM	50	24	13.98	13.88	13.98	14.17		
20	256QAM	50	50	13.89	13.91	13.91	14.10		
20	256QAM	100	0	13.87	13.97	13.86	14.01		
Channel				55315	55620	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	14.08	14.29	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	13.86	14.03	14.07		
15	64QAM	1	37	13.94	14.01	14.08	14.16		
15	64QAM	1	74	13.88	13.91	14.03	14.07	14.8	0
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		
15	64QAM	75	0	13.89	13.85	14.00	14.24	14.8	0
15	256QAM	1	0	13.84	13.88	14.02	14.17		
15	256QAM	1	37	14.08	13.99	13.93	14.09		
15	256QAM	1	74	13.98	13.97	13.85	14.06		
15	256QAM	36	0	13.98	14.08	14.04	13.91	14.8	0
15	256QAM	36	20	13.90	13.94	13.95	14.03		
15	256QAM	36	39	13.81	13.90	13.89	13.97		
15	256QAM	75	0	13.84	13.92	13.78	14.16		
Channel				55290	55615	56165	56690	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	13.98	13.92	13.87		
10	256QAM	1	25	13.96	14.05	13.98	14.25		
10	256QAM	1	49	13.83	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	55610	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	14.09		
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		
5	16QAM	12	7	14.01	13.90	13.87	14.05		
5	16QAM	12	13	13.98	13.94	13.82	14.01	14.8	0
5	16QAM	25	0	13.99	13.82	13.79	14.04		
5	64QAM	1	0	13.77	13.96	13.85	14.01		
5	64QAM	1	12	13.83	13.87	13.81	14.06		
5	64QAM	1	24	13.86	13.89	13.84	14.09	14.8	0
5	64QAM	12	0	13.90	13.74	13.83	14.07		
5	64QAM	12	7	13.86	13.76	13.86	14.07		
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	13.89	13.95	14.00	14.01		
5	256QAM	1	12	13.94	13.98	14.05	14.14		
5	256QAM	1	24	13.85	13.88	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 3 for Head-UAT

GSM850									
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	126	189	261		126	189	261		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8			
GSM 1 Tx slot	29.67	29.70	29.68	30.30	20.67	20.70	20.68	21.30	
GPRS 1 Tx slot	29.55	29.67	29.65	30.30	20.55	20.67	20.65	21.30	
GPRS 2 Tx slots	27.96	28.15	28.08	28.80	21.96	22.15	22.08	22.80	
GPRS 3 Tx slots	28.34	28.51	28.50	27.30	22.08	22.25	22.24	23.04	
GPRS 4 Tx slots	24.97	25.24	25.05	28.00	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	16.56	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									
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8	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 #			Tune-up Limit (dBm)	WCDMA M			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	5982	5900		9538	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	1752.6	1752.6	836.4	839.4	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	
3GPP Rel 99	RVLC 12.2Kbps	13.06	12.86	12.94	14.30	13.46	13.53	13.61	14.80	20.61	20.57	20.55	
3GPP Rel 6	HSDPA Subtest-1	12.28	12.36	12.35	13.30	12.29	12.47	12.44	13.80	19.53	19.83	19.64	
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	
3GPP Rel 6	HSDPA Subtest-3	11.78	11.87	11.87	12.80	11.83	11.94	11.91	13.30	19.03	19.76	19.11	
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	
3GPP Rel 8	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	
3GPP Rel 8	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	
3GPP Rel 8	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	
3GPP Rel 8	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	
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	
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	
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	18.30	
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	17.69	
3GPP Rel 6	HSUPA Subtest-5	12.24	12.34	12.44	13.30	12.02	12.42	12.42	13.80	19.94	19.99	19.13	
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	

Band	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)	
	TX Channel	818	894		777	25	809		1175	476	550		684
	Frequency (MHz)	824.7	838.52		848.31	1851.25	1890		1908.75	817.9	820.5		823.1
	RC1 5055	20.53	20.55	20.50	21.30	13.82	13.65	13.72	14.80	21.24	21.26	21.13	
	RC3 5055	20.52	20.54	20.49	21.30	13.59	13.61	13.71	14.80	21.23	21.25	21.12	
	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	
	RC3 5032 (F-SCH)	20.48	20.49	20.48	21.30	13.53	13.59	13.68	14.80	21.21	21.24	21.10	
	RETAP 151.9Kbps	20.43	20.47	20.45	21.30	13.51	13.58	13.67	14.80	21.21	21.23	21.09	
	RETAP 40968ks	20.41	20.46	20.43	21.30	13.50	13.57	13.65	14.80	21.20	21.23	21.09	

LTE Band 4

Table with columns: BSN (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Contains multiple rows of data for various LTE Band 4 configurations.

LTE Band 4

Table with columns: BSN (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Contains multiple rows of data for various LTE Band 4 configurations.

LTE Band 4

Table with columns: BSN (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Contains multiple rows of data for various LTE Band 4 configurations.

L1E-0001										
BN (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-up time (min)	MPR (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	13.42	13.26	13.20		14.1	0	
10	QPSK	1	40	13.42	13.26	13.20				
10	QPSK	1	80	13.35	13.31	13.31				
10	QPSK	50	0	13.17	13.07	12.97				
10	QPSK	50	40	13.22	13.12	13.02				
10	QPSK	50	80	13.20	13.08	13.05				
10	QPSK	100	0	12.91	12.82	12.81				
10	QPSK	1	0	13.15	13.01	12.91				
10	HQAM	1	40	13.16	13.07	13.02		14.1	0	
10	HQAM	50	0	13.08	12.98	12.98				
10	HQAM	50	40	13.23	13.10	13.06				
10	HQAM	50	80	13.23	13.14	13.02				
10	HQAM	100	0	13.13	13.05	13.01				
10	HQAM	1	0	13.08	13.07	12.95				
10	HQAM	1	40	13.08	13.08	13.17		14.1	0	
10	HQAM	50	0	12.91	12.82	12.81				
10	HQAM	50	40	12.96	13.00	12.97				
10	HQAM	50	80	12.94	13.01	13.05				
10	HQAM	100	0	12.97	12.98	12.97				
10	HQAM	1	40	12.74	12.75	12.74		14.1	0	
10	HQAM	1	80	12.71	12.73	12.71				
10	HQAM	50	0	12.58	12.62	12.58				
10	HQAM	50	40	12.65	12.69	12.65				
10	HQAM	50	80	12.63	12.67	12.63				
10	HQAM	100	0	12.62	12.67	12.62				
Channel										
Frequency (MHz)										
15	QPSK	1	0	13.25	13.14	13.10		14.1	0	
15	QPSK	1	40	13.24	13.12	13.13				
15	QPSK	1	80	13.18	13.16	13.18				
15	QPSK	30	0	13.32	13.18	13.08				
15	QPSK	30	40	13.30	13.21	13.22				
15	QPSK	30	80	13.22	13.18	13.17				
15	QPSK	70	0	13.21	13.18	13.17				
15	HQAM	1	0	13.16	13.17	13.16				
15	HQAM	1	37	13.33	13.19	13.21		14.1	0	
15	HQAM	1	74	13.28	13.22	13.22				
15	HQAM	30	0	13.26	13.16	13.16				
15	HQAM	30	40	13.27	13.23	13.20				
15	HQAM	30	80	13.24	13.19	13.18				
15	HQAM	70	0	13.17	13.17	13.16				
15	HQAM	1	0	13.15	13.15	13.15				
15	HQAM	1	37	13.20	13.20	13.21		14.1	0	
15	HQAM	1	74	13.15	13.23	13.24				
15	HQAM	30	0	13.05	13.12	13.05				
15	HQAM	30	40	12.97	13.13	13.18				
15	HQAM	30	80	12.91	13.15	13.19				
15	HQAM	70	0	12.84	13.07	13.10				
15	HQAM	1	37	12.74	12.75	12.74		14.1	0	
15	HQAM	1	74	12.71	12.73	12.71				
15	HQAM	30	0	12.66	12.66	12.66				
15	HQAM	30	40	12.65	12.69	12.65				
15	HQAM	30	80	12.63	12.70	12.63				
15	HQAM	70	0	12.62	12.67	12.62				
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.11	13.00	12.95		14.1	0	
20	QPSK	1	40	13.08	13.00	12.98				
20	QPSK	1	80	13.18	13.07	13.06				
20	QPSK	25	12	13.19	13.07	13.05				
20	QPSK	25	25	13.07	13.05	13.09				
20	QPSK	50	0	13.05	12.96	12.91				
20	HQAM	1	0	13.38	13.28	13.18				
20	HQAM	1	40	13.28	13.28	13.28				
20	HQAM	1	80	13.35	13.27	13.28				
20	HQAM	25	0	13.17	13.05	13.03				
20	HQAM	25	25	13.07	13.06	13.01				
20	HQAM	50	0	13.01	12.98	12.91				
20	HQAM	1	0	12.91	13.04	13.11				
20	HQAM	1	40	12.90	13.08	13.12				
20	HQAM	25	0	12.81	12.91	12.86				
20	HQAM	25	25	12.87	12.87	12.91				
20	HQAM	50	0	12.72	12.89	12.85				
20	HQAM	1	0	12.18	12.40	12.27		14.1	0	
20	HQAM	1	40	12.46	12.64	12.64				
20	HQAM	1	80	12.52	12.41	12.33				
20	HQAM	25	0	12.55	12.53	12.49				
20	HQAM	25	25	12.42	12.46	12.44				
20	HQAM	50	0	12.40	12.40	12.42				
Channel										
Frequency (MHz)										
5	QPSK	1	0	13.14	13.01	12.95		14.1	0	
5	QPSK	1	15	13.15	13.07	13.04				
5	QPSK	1	30	13.18	13.04	12.98				
5	QPSK	12	0	13.14	13.05	12.99				
5	QPSK	12	7	13.21	13.10	13.06				
5	QPSK	12	13	13.17	13.02	12.97				
5	QPSK	25	0	13.14	13.01	12.99				
5	QPSK	25	7	13.45	13.29	13.25				
5	HQAM	1	0	13.40	13.24	13.21		14.1	0	
5	HQAM	1	15	13.38	13.27	13.20				
5	HQAM	12	0	13.19	13.05	13.00				
5	HQAM	12	7	13.28	13.09	13.10				
5	HQAM	12	13	13.22	13.06	13.02				
5	HQAM	25	0	13.08	13.05	13.01				
5	HQAM	1	0	13.02	13.05	13.09				
5	HQAM	1	15	12.99	13.02	13.06				
5	HQAM	1	30	12.99	13.05	13.10				
5	HQAM	12	0	12.89	12.96	12.97				
5	HQAM	12	7	12.98	12.99	13.03				
5	HQAM	12	13	12.85	12.94	12.97				
5	HQAM	25	0	12.91	12.90	12.95				
5	HQAM	25	7	12.19	12.41	12.41		14.1	0	
5	HQAM	25	13	12.43	12.52	12.59				
5	HQAM	12	0	12.33	12.44	12.44				
5	HQAM	12	7	12.97	12.55	12.52				
5	HQAM	12	13	12.51	12.49	12.43				
5	HQAM	25	0	12.48	12.52	12.45				

L1E-0002										
BN (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-up time (min)	MPR (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.39	20.39	20.44		20.8	0	
10	QPSK	1	20	20.32	20.43	20.38				
10	QPSK	1	40	20.43	20.37	20.39				
10	QPSK	25	0	20.44	20.45	20.40				
10	QPSK	25	12	20.46	20.43	20.41				
10	QPSK	25	24	20.49	20.51	20.52				
10	QPSK	50	0	20.40	20.44	20.40				
10	HQAM	1	0	20.33	20.29	20.27				
10	HQAM	1	25	20.22	20.28	20.28		20.8	0	
10	HQAM	1	40	20.24	20.21	20.15				
10	HQAM	25	0	20.14	20.17	20.15				
10	HQAM	25	12	20.33	20.27	20.23				
10	HQAM	25	24	20.32	20.26	20.28				
10	HQAM	50	0	20.28	20.17	20.15				
10	HQAM	1	0	20.27	20.34	20.31				
10	HQAM	1	25	20.42	20.41	20.38				
10	HQAM	1	40	20.41	20.45	20.28				
10	HQAM	25	0	20.12	20.11	20.12				
10	HQAM	25	12	20.31	20.29	20.22				
10	HQAM	25	24	20.23	20.23	20.22				
10	HQAM	50	0	20.41	20.17	20.18				
10	HQAM	1	0	17.76	17.75	17.77				
10	HQAM	1	25	17.97	18.08	17.82		19.3	1.5	
10	HQAM	1	40	17.80	17.96	17.82				
10	HQAM	25	0	17.70	17.98	17.82				
10	HQAM	25	12	17.80	18.05	17.71				

Table 1: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 2: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 3: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 4: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 5: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 6: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 7: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 8: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 9: Channel List

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Tune-up time (min), MPR (dB). Contains data for various channels like QPSK, 16QAM, 64QAM, 256QAM, etc.

Table 20

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

Table 21

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

Table 22

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

Table 23

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

Table 24

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

Table 25

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

Table 26

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

Table 27

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

Table 28

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (dBm), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Rows include QPSK and 16QAM channels with various parameters.

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	128	189	251	Limit	128	189	251	Limit
Frequency (MHz)	854.2	853.4	843.3	(dBm)	854.2	853.4	843.3	(dBm)
GSM 1 Tx slot	28.17	28.20	28.18	28.80	19.17	19.20	19.18	19.90
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	14.90
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	561	610		512	561	610	
Tx Channel	512	561	610	Limit	512	561	610	Limit
Frequency (MHz)	1850.2	1850	1909.8	(dBm)	1850.2	1850	1909.8	(dBm)
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	18.36	18.56	18.34	20.50	15.10	15.30	15.08	16.24
GPRS 4 Tx slots	17.75	18.05	17.89	19.00	14.75	15.04	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 II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V		Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4182		4233
	Rx Channel	9862	9800		9938	1537	1638		1738	4407		4468
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	13.38	13.59	13.48	14.80	14.80	14.90	14.92	16.30	17.27	17.22	17.80
3GPP Rel 99	RMCS 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	12.78	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	13.62	13.92	13.92	15.30	16.00	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	384		777	25	600		1175	580		684
	Frequency (MHz)	824.7	836.52		848.31	1851.25	1880		1908.75	820.5		823.1
	RC1 5QSS	18.53	18.55	18.50	19.30	14.31	14.32	14.42	15.80	17.79	17.75	18.80
	RC3 5QSS	18.52	18.54	18.49	19.30	14.30	14.31	14.41	15.80	17.78	17.74	18.80
	RC3 5QSS (F-SCH)	18.48	18.52	18.48	19.30	14.28	14.30	14.30	15.80	17.78	17.74	18.80
	RC3 5QSS (H-SCH)	18.48	18.48	18.46	19.30	14.28	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 499.68Kbps	18.41	18.46	18.43	19.30	14.23	14.27	14.35	15.80	17.74	17.72	18.80

LTE Band 4

Table with columns: BSN (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Contains multiple rows of data for various modulation schemes and power levels.

LTE Band 4

Table with columns: BSN (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Contains multiple rows of data for various modulation schemes and power levels.

LTE Band 4

Table with columns: BSN (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Contains multiple rows of data for various modulation schemes and power levels.

Table 1: Channel List

Table with columns: Bst (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Includes channel lists for 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100 MHz.

Table 2: Channel List

Table with columns: Bst (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Includes channel lists for 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100 MHz.

Table 3: Channel List

Table with columns: Bst (MHz), Modulation, RB Side, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up time (min), MPR (dB). Includes channel lists for 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100 MHz.

Table 1

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Time-up limit (min), MPR (dB), and MPR (dB). It contains multiple rows of data for various channels and frequencies.

Table 2

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Time-up limit (min), MPR (dB), and MPR (dB). It contains multiple rows of data for various channels and frequencies.

LTE Band 48

BW [kHz]	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	16.56	16.73	16.59	16.68		
20	QPSK	1	49	16.75	16.97	16.86	16.93		
20	QPSK	1	99	16.59	16.77	16.63	16.67		
20	QPSK	50	0	16.62	16.88	16.74	16.91		
20	QPSK	50	24	16.75	16.98	16.91	16.92		
20	QPSK	50	50	16.70	16.90	16.83	16.85		
20	QPSK	100	0	16.67	16.90	16.82	16.85		
20	16QAM	1	0	16.71	16.83	16.87	16.79		
20	16QAM	1	49	16.89	16.91	16.86	16.81		
20	16QAM	1	99	16.87	16.87	16.82	16.78		
20	16QAM	50	0	16.65	16.83	16.70	16.57		
20	16QAM	50	24	16.74	16.88	16.84	16.66		
20	16QAM	50	50	16.66	16.79	16.62	16.62		
20	16QAM	100	0	16.64	16.82	16.61	16.62		
20	64QAM	1	0	16.45	16.74	16.48	16.43		
20	64QAM	1	49	16.85	16.90	16.87	16.79		
20	64QAM	1	99	16.99	16.85	16.74	16.54		
20	64QAM	50	0	16.73	16.89	16.87	16.77		
20	64QAM	50	24	16.87	16.87	16.87	16.67		
20	64QAM	50	50	16.78	16.90	16.93	16.81		
20	64QAM	100	0	16.80	16.89	16.94	16.86		
20	256QAM	1	0	15.53	15.84	15.58	15.54		
20	256QAM	1	49	15.93	15.98	15.91	15.88		
20	256QAM	1	99	15.74	15.80	15.89	15.89		
20	256QAM	50	0	15.62	15.99	15.87	15.70		
20	256QAM	50	24	15.82	16.00	16.00	15.62		
20	256QAM	50	50	15.70	16.01	15.94	15.55		
20	256QAM	100	0	15.60	15.79	15.74	15.46		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.50	16.42	16.33	16.40		
15	QPSK	1	37	16.78	16.63	16.55	16.58		
15	QPSK	1	74	16.70	16.59	16.52	16.47		
15	QPSK	36	0	16.73	16.76	16.49	16.62		
15	QPSK	36	20	16.89	16.82	16.57	16.59		
15	QPSK	36	39	16.75	16.70	16.58	16.74		
15	QPSK	75	0	16.73	16.73	16.54	16.70		
15	16QAM	1	0	16.55	16.89	16.60	16.86		
15	16QAM	1	37	16.78	16.92	16.82	16.58		
15	16QAM	1	74	16.63	16.73	16.83	16.91		
15	16QAM	36	0	16.34	16.57	16.47	16.62		
15	16QAM	36	20	16.39	16.65	16.52	16.67		
15	16QAM	36	39	16.38	16.56	16.51	16.63		
15	16QAM	75	0	16.35	16.50	16.47	16.61		
15	64QAM	1	0	16.36	16.61	16.46	16.60		
15	64QAM	1	37	16.57	16.64	16.61	16.79		
15	64QAM	1	74	16.51	16.54	16.56	16.70		
15	64QAM	36	0	16.30	16.42	16.41	16.62		
15	64QAM	36	20	16.37	16.52	16.49	16.69		
15	64QAM	36	39	16.35	16.43	16.44	16.64		
15	64QAM	75	0	16.32	16.48	16.43	16.67		
15	256QAM	1	0	15.43	15.71	15.56	15.71		
15	256QAM	1	37	15.65	15.68	15.65	15.86		
15	256QAM	1	74	15.86	15.88	15.71	15.65		
15	256QAM	36	0	15.33	15.51	15.50	15.45		
15	256QAM	36	20	15.30	15.33	15.50	15.57		
15	256QAM	36	39	15.31	15.58	15.59	15.51		
15	256QAM	75	0	15.51	15.32	15.52	15.70		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.26	16.32	16.39	16.41		
10	QPSK	1	25	16.68	16.76	16.67	16.75		
10	QPSK	1	49	16.65	16.64	16.63	16.62		
10	QPSK	25	0	16.44	16.65	16.58	16.68		
10	QPSK	25	12	16.60	16.74	16.63	16.75		
10	QPSK	25	25	16.63	16.54	16.57	16.73		
10	QPSK	50	0	16.65	16.50	16.54	16.68		
10	16QAM	1	0	16.74	16.67	16.62	16.63		
10	16QAM	1	25	16.69	16.58	16.87	16.85		
10	16QAM	1	49	16.60	16.63	16.74	16.67		
10	16QAM	25	0	16.60	16.64	16.60	16.51		
10	16QAM	25	12	16.64	16.61	16.55	16.71		
10	16QAM	25	25	16.49	16.50	16.51	16.65		
10	16QAM	50	0	16.57	16.53	16.49	16.55		
10	64QAM	1	0	16.40	16.44	16.58	16.30		
10	64QAM	1	25	16.64	16.58	16.49	16.70		
10	64QAM	1	49	16.46	16.53	16.41	16.57		
10	64QAM	25	0	16.54	16.64	16.60	16.58		
10	64QAM	25	12	16.46	16.50	16.51	16.71		
10	64QAM	25	25	16.37	16.46	16.45	16.70		
10	64QAM	50	0	16.40	16.48	16.34	16.61		
10	256QAM	1	0	15.48	15.54	15.68	15.41		
10	256QAM	1	25	15.72	15.59	15.53	15.79		
10	256QAM	1	49	15.61	15.88	15.58	15.72		
10	256QAM	25	0	15.52	15.48	15.44	15.51		
10	256QAM	25	12	15.54	15.51	15.52	15.49		
10	256QAM	25	25	15.33	15.61	15.60	15.67		
10	256QAM	50	0	15.34	15.37	15.48	15.44		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.42	16.39	16.52	16.60		
5	QPSK	1	12	16.64	16.51	16.70	16.72		
5	QPSK	1	24	16.60	16.46	16.56	16.72		
5	QPSK	12	0	16.64	16.69	16.60	16.77		
5	QPSK	12	7	16.72	16.60	16.48	16.77		
5	QPSK	12	13	16.62	16.56	16.53	16.75		
5	QPSK	25	0	16.56	16.48	16.62	16.69		
5	16QAM	1	0	16.54	16.50	16.56	16.76		
5	16QAM	1	12	16.73	16.64	16.67	16.86		
5	16QAM	1	24	16.69	16.57	16.70	16.74		
5	16QAM	12	0	16.66	16.66	16.59	16.57		
5	16QAM	12	7	16.64	16.53	16.50	16.68		
5	16QAM	12	13	16.61	16.57	16.45	16.64		
5	16QAM	25	0	16.62	16.45	16.42	16.57		
5	64QAM	1	0	16.40	16.49	16.48	16.44		
5	64QAM	1	12	16.46	16.50	16.44	16.59		
5	64QAM	1	24	16.49	16.52	16.47	16.62		
5	64QAM	12	0	16.53	16.37	16.46	16.50		
5	64QAM	12	7	16.49	16.39	16.49	16.60		
5	64QAM	12	13	16.40	16.42	16.42	16.61		
5	64QAM	25	0	16.38	16.48	16.37	16.66		
5	256QAM	1	0	15.48	15.59	15.58	15.55		
5	256QAM	1	12	15.54	15.54	15.48	15.68		
5	256QAM	1	24	15.64	15.67	15.62	15.77		
5	256QAM	12	0	15.51	15.46	15.30	15.43		
5	256QAM	12	7	15.37	15.40	15.50	15.58		
5	256QAM	12	13	15.41	15.57	15.57	15.58		
5	256QAM	25	0	15.52	15.37	15.51	15.49		

Full Power for LAT

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.49	31.41	31.47	32.80	22.49	22.41	22.47	23.80
GPRS 1 Tx slot	31.82	31.91	31.89	32.80	22.82	22.91	22.89	23.80
GPRS 2 Tx slots	30.21	30.36	30.30	31.30	24.21	24.36	24.30	25.30
GPRS 3 Tx slots	28.66	28.84	28.74	29.80	24.40	24.58	24.48	25.54
GPRS 4 Tx slots	27.28	27.44	27.25	28.50	24.28	24.44	24.25	25.50
EDGE 1 Tx slot	25.71	25.94	25.81	26.80	16.71	16.94	16.81	17.80
EDGE 2 Tx slots	24.19	24.27	24.34	24.80	18.19	18.27	18.34	18.80
EDGE 3 Tx slots	23.04	23.34	23.17	23.80	18.78	19.08	18.91	19.54
EDGE 4 Tx slots	22.40	22.62	22.51	23.20	19.40	19.62	19.51	20.20

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1908.8		1850.2	1880	1908.8	
GSM 1 Tx slot	26.80	26.83	26.13	30.30	19.80	19.83	20.13	21.30
GPRS 1 Tx slot	26.53	26.81	26.59	30.30	19.53	19.81	19.59	21.30
GPRS 2 Tx slots	26.13	26.46	26.35	27.80	20.13	20.46	20.35	21.80
GPRS 3 Tx slots	24.60	24.91	24.74	26.50	20.34	20.65	20.48	22.04
GPRS 4 Tx slots	23.78	23.95	23.79	25.00	20.78	20.95	20.79	22.00
EDGE 1 Tx slot	24.33	24.43	24.54	25.50	15.33	15.43	15.54	16.80
EDGE 2 Tx slots	23.32	23.25	23.42	24.70	17.32	17.25	17.42	18.70
EDGE 3 Tx slots	22.19	22.41	22.34	23.60	17.93	18.15	18.08	19.34
EDGE 4 Tx slots	20.94	21.27	21.11	22.60	17.94	18.27	18.11	19.60

Band		WCDMA #			Tune-up Limit (dBm)	WCDMA M			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		5262	5400	9538		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	1752.6	1752.6	826.4	830.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	23.58	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	23.68	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	22.58	22.97	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 6	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 6	DC-HSDPA Subtest-2	22.51	22.59	22.54	23.80	22.52	22.64	22.69	23.80	23.02	23.00	22.99	23.80
3GPP Rel 6	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 6	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	22.73	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	600	1175		476	580	684	
Frequency (MHz)		824.7	838.52	848.31	1851.25	1880	1908.75	817.9	820.5	823.1			
RC1 S055		23.79	23.83	23.79	24.80	23.55	23.68	23.73	24.80	23.95	24.04	23.95	24.80
RC3 S055		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 S033 (F-RCH)		23.78 <td>23.79</td> <td>23.73</td> <td>24.80</td> <td>23.48</td> <td>23.67</td> <td>23.69</td> <td>24.80</td> <td>23.94</td> <td>23.98</td> <td>23.94</td> <td>24.80</td>	23.79	23.73	24.80	23.48	23.67	23.69	24.80	23.94	23.98	23.94	24.80
RC3 S033 (S-RCH)		23.68 <td>23.69</td> <td>23.63</td> <td>24.80</td> <td>23.46</td> <td>23.66</td> <td>23.69</td> <td>24.80</td> <td>23.93</td> <td>23.96</td> <td>23.94</td> <td>24.80</td>	23.69	23.63	24.80	23.46	23.66	23.69	24.80	23.93	23.96	23.94	24.80
RTAP 153.6Kbps		23.67 <td>23.69</td> <td>23.59</td> <td>24.80</td> <td>23.43</td> <td>23.65</td> <td>23.65</td> <td>24.80</td> <td>23.92</td> <td>23.97</td> <td>23.92</td> <td>24.80</td>	23.69	23.59	24.80	23.43	23.65	23.65	24.80	23.92	23.97	23.92	24.80
RETAP 4096Kbs		23.66 <td>23.64</td> <td>23.59</td> <td>24.80</td> <td>23.42</td> <td>23.63</td> <td>23.62</td> <td>24.80</td> <td>23.90</td> <td>23.93</td> <td>23.90</td> <td>24.80</td>	23.64	23.59	24.80	23.42	23.63	23.62	24.80	23.90	23.93	23.90	24.80

Table 1: L1E Base 1

Table with columns: SW (MHz), Modulation, RB Side, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), and MPR (dB). Rows include various modulation types like QPSK, 16QAM, 64QAM, and 256QAM across different frequencies and power levels.

Table 2: L1E Base 2

Table with columns: SW (MHz), Modulation, RB Side, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), and MPR (dB). Rows include various modulation types like QPSK, 16QAM, 64QAM, and 256QAM across different frequencies and power levels.

Table 3: L1E Base 3

Table with columns: SW (MHz), Modulation, RB Side, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), and MPR (dB). Rows include various modulation types like QPSK, 16QAM, 64QAM, and 256QAM across different frequencies and power levels.

Table 1: LTE Band 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Spectral Density (dBm)	Power Spectral Density (dBm)	Power Spectral Density (dBm)	Time-up limit (min)	MFR (dB)
50	QPSK	1	0	22.13	22.67	22.83	23.8	0
50	QPSK	1	46	22.36	22.93	23.09		
50	QPSK	1	92	22.20	22.73	22.89		
50	QPSK	50	0	21.31	21.52	21.59		
50	QPSK	50	48	21.28	21.28	21.29		
50	QPSK	50	96	21.53	21.24	21.18	22.8	1
50	QPSK	100	0	20.28	21.11	21.05		
50	QPSK	100	48	21.56	21.41	21.41		
50	QPSK	100	96	21.50	21.43	21.46	22.8	1
50	QPSK	50	96	21.53	21.44	21.44		
50	QPSK	50	48	20.36	20.52	20.52		
50	QPSK	50	24	20.36	20.26	20.14	21.8	2
50	QPSK	50	0	20.27	20.15	20.08		
50	QPSK	50	0	20.23	20.12	20.01		
50	QPSK	1	96	20.13	20.08	20.14	21.8	2
50	QPSK	1	96	20.26	20.01	20.13		
50	QPSK	50	0	19.06	18.86	18.86		
50	QPSK	50	48	19.08	19.01	18.92		
50	QPSK	50	96	18.93	18.98	18.99	20.8	3
50	QPSK	100	0	17.86	17.86	17.86		
50	QPSK	100	0	17.84	17.85	17.85		
50	QPSK	100	48	17.86	17.86	17.78	19.3	4.5
50	QPSK	100	0	17.81	17.75	17.70		
50	QPSK	50	24	17.87	17.78	17.70	19.3	4.5
50	QPSK	50	80	17.86	17.83	17.74		
50	QPSK	100	0	17.83	17.84	17.84		
Channel								
Channel				2000	2100	2175	Time-up limit (min)	MFR (dB)
Frequency (MHz)								
5	QPSK	1	0	22.10	22.12	22.10	23.8	0
5	QPSK	1	47	22.27	22.13	22.14		
5	QPSK	1	14	22.34	22.13	22.13		
5	QPSK	36	0	21.42	21.23	21.15	22.8	1
5	QPSK	36	36	21.33	21.30	21.26		
5	QPSK	36	72	21.20	21.25	21.24		
5	QPSK	72	0	21.28	21.23	21.20		
5	QPSK	72	36	21.40	21.40	21.39		
5	QPSK	72	72	21.65	21.47	21.42	22.8	1
5	QPSK	144	0	21.55	21.50	21.42		
5	QPSK	144	72	21.66	21.50	21.50		
5	QPSK	36	36	20.33	20.25	20.24	21.8	2
5	QPSK	36	72	20.28	20.25	20.22		
5	QPSK	72	0	20.16	20.17	20.08		
5	QPSK	72	36	20.15	20.16	20.24	21.8	2
5	QPSK	72	72	20.14	20.14	20.20		
5	QPSK	36	0	19.01	19.02	18.94		
5	QPSK	36	36	19.03	19.04	19.04		
5	QPSK	36	72	18.95	18.95	18.95	20.8	3
5	QPSK	72	0	18.86	18.88	18.88		
5	QPSK	72	36	17.75	17.74	17.86	19.3	4.5
5	QPSK	72	72	17.87	17.82	17.82		
5	QPSK	144	0	17.82	17.79	17.72		
5	QPSK	144	36	17.82	17.81	17.82	19.3	4.5
5	QPSK	144	72	17.86	17.78	17.82		
5	QPSK	72	0	17.80	17.78	17.83		
Channel								
Channel				2000	2100	2140	Time-up limit (min)	MFR (dB)
Frequency (MHz)								
10	QPSK	1	0	22.11	21.97	21.92	23.8	0
10	QPSK	1	48	22.07	21.93	21.91		
10	QPSK	1	96	22.01	21.95	21.92		
10	QPSK	25	0	21.24	21.09	21.02	22.8	1
10	QPSK	25	24	21.18	21.01	21.07		
10	QPSK	50	0	21.13	21.01	21.07	22.8	1
10	QPSK	50	48	21.20	21.06	21.06		
10	QPSK	100	0	21.48	21.38	21.31	22.8	1
10	QPSK	100	48	21.46	21.40	21.37		
10	QPSK	100	96	20.23	20.05	19.99	21.8	2
10	QPSK	100	96	20.26	20.14	20.04		
10	QPSK	25	24	20.11	20.10	20.09	21.8	2
10	QPSK	50	0	20.14	20.01	19.95		
10	QPSK	50	48	19.98	19.92	19.92	21.8	2
10	QPSK	50	96	19.90	19.95	19.96		
10	QPSK	25	0	19.87	19.89	19.89	20.8	3
10	QPSK	25	12	19.81	19.83	19.84		
10	QPSK	25	24	19.85	19.87	19.82		
10	QPSK	50	0	19.85	19.87	19.82		
10	QPSK	50	48	17.75	17.82	17.84	19.3	4.5
10	QPSK	50	96	17.84	17.80	17.80		
10	QPSK	100	0	17.85	17.83	17.88	19.3	4.5
10	QPSK	100	48	17.86	17.86	17.78		
10	QPSK	25	24	17.82	17.82	17.84		
10	QPSK	25	0	17.86	17.85	17.85	19.3	4.5
10	QPSK	25	12	17.86	17.82	17.84		
10	QPSK	25	0	17.80	17.78	17.83		
10	QPSK	50	0	17.49	17.62	17.59		
Channel								
Channel				2000	2100	2140	Time-up limit (min)	MFR (dB)
Frequency (MHz)								
5	QPSK	1	0	22.15	22.62	21.98	23.8	0
5	QPSK	1	15	22.17	22.02	21.90		
5	QPSK	1	30	22.10	22.04	21.95		
5	QPSK	12	0	21.24	21.03	21.08	22.8	1
5	QPSK	12	7	21.27	21.07	21.10		
5	QPSK	12	13	21.22	21.03	21.07		
5	QPSK	25	0	21.22	21.06	21.07	22.8	1
5	QPSK	25	4	21.26	21.05	21.07		
5	QPSK	50	0	21.56	21.33	21.31	22.8	1
5	QPSK	50	48	21.48	21.38	21.30		
5	QPSK	100	0	20.27	20.07	20.06	21.8	2
5	QPSK	100	12	20.33	20.11	20.09		
5	QPSK	100	13	20.26	20.06	20.06	21.8	2
5	QPSK	50	0	19.98	19.95	19.98		
5	QPSK	50	12	19.86	19.96	19.96	21.8	2
5	QPSK	50	24	19.94	19.99	19.97		
5	QPSK	100	0	19.88	19.82	19.87		
5	QPSK	100	7	19.89	19.82	19.83	20.8	3
5	QPSK	100	13	19.81	19.83	19.84		
5	QPSK	25	0	17.47	17.65	17.62		
5	QPSK	25	12	17.46	17.74	17.78	19.3	4.5
5	QPSK	25	24	17.48	17.67	17.70		
5	QPSK	100	0	17.46	17.69	17.84	19.3	4.5
5	QPSK	100	13	17.47	17.67	17.81		
5	QPSK	25	0	17.45	17.59	17.62		

Table 2: LTE Band 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Spectral Density (dBm)	Power Spectral Density (dBm)	Power Spectral Density (dBm)	Time-up limit (min)	MFR (dB)
50	QPSK	1	0	22.94	22.88	23.03	23.8	0
50	QPSK	1	24	22.95	22.96	23.10		
50	QPSK	1	48	22.91	23.20	23.08		
50	QPSK	25	0	22.08	21.96	21.96	22.8	1
50	QPSK	25	12	22.10	22.10	22.03		
50	QPSK	25	24	22.01	22.13	22.18		
50	QPSK	50	0	22.04	22.26	22.14		
50	QPSK	50	48	22.05	22.45	22.38		
50	QPSK	50	96	22.28	22.20	22.28	23.3	0.5
50	QPSK	1	48	22.01	22.04	22.08		
50	QPSK	25	0	21.01	21.02	21.11		
50	QPSK	25	12	21.24	21.19	21.22	21.8	2
50	QPSK	25	24	21.26	21.26	21.23		
50	QPSK	50	0	21.16	21.12	21.18		
50	QPSK	50	48	21.51	21.20	21.21	21.8	2
50	QPSK	50	96	21.42	21.24	21.22		
50	QPSK	1	48	21.59	21.51	21.54		
50	QPSK	25	0	20.04	20.06	20.09	20.8	3
50	QPSK	25	12	20.19	20.11	20.13		
50	QPSK	25	24	20.06	20.21	20.18		
50	QPSK	50	0	20.11	20.09	20.17		
50	QPSK	50	48	17.85	18.03	17.85	19.3	4.5
50	QPSK	50	96	17.87	18.07	17.82		
50	QPSK	100	0	17.82	17.98	18.01	19.3	4.5
50	QPSK	100	12	17.82	17.99	18.04		
50	QPSK	100	24	17.81	17.85	17.81	19.3	4.5
50	QPSK	50	0	17.74	17.66	17.78		
50	QPSK	50	48	17.82	17.66	17.78		
Channel								
Channel				2300	2390	2335	Time-up limit (min)	MFR (dB)
Frequency (MHz)								
5	QPSK	1	0	23.08	23.00	23.03	23.8	0
5	QPSK	1	12	23.03	23.14	23.08		
5	QPSK	1	24					

Table 1: L1E-047

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 705-711, 2295-2305, 2315-2325, 2335-2345, 2355-2365, 2375-2385, 2395-2405, 2415-2425, 2435-2445, 2455-2465, 2475-2485, 2495-2505, 2515-2525, 2535-2545, 2555-2565, 2575-2585, 2595-2605, 2615-2625, 2635-2645, 2655-2665, 2675-2685, 2695-2705, 2715-2725, 2735-2745, 2755-2765, 2775-2785, 2795-2805, 2815-2825, 2835-2845, 2855-2865, 2875-2885, 2895-2905, 2915-2925, 2935-2945, 2955-2965, 2975-2985, 2995-3005.

Table 2: L1E-048

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 1600-1610, 1620-1630, 1640-1650, 1660-1670, 1680-1690, 1700-1710, 1720-1730, 1740-1750, 1760-1770, 1780-1790, 1800-1810, 1820-1830, 1840-1850, 1860-1870, 1880-1890, 1900-1910, 1920-1930, 1940-1950, 1960-1970, 1980-1990, 2000-2010, 2020-2030, 2040-2050, 2060-2070, 2080-2090, 2100-2110, 2120-2130, 2140-2150, 2160-2170, 2180-2190, 2200-2210, 2220-2230, 2240-2250, 2260-2270, 2280-2290, 2300-2310, 2320-2330, 2340-2350, 2360-2370, 2380-2390, 2400-2410, 2420-2430, 2440-2450, 2460-2470, 2480-2490, 2500-2510, 2520-2530, 2540-2550, 2560-2570, 2580-2590, 2600-2610, 2620-2630, 2640-2650, 2660-2670, 2680-2690, 2700-2710, 2720-2730, 2740-2750, 2760-2770, 2780-2790, 2800-2810, 2820-2830, 2840-2850, 2860-2870, 2880-2890, 2900-2910, 2920-2930, 2940-2950, 2960-2970, 2980-2990, 3000-3010.

Table 3: L1E-049

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 3115-3125, 3135-3145, 3155-3165, 3175-3185, 3195-3205, 3215-3225, 3235-3245, 3255-3265, 3275-3285, 3295-3305, 3315-3325, 3335-3345, 3355-3365, 3375-3385, 3395-3405, 3415-3425, 3435-3445, 3455-3465, 3475-3485, 3495-3505, 3515-3525, 3535-3545, 3555-3565, 3575-3585, 3595-3605, 3615-3625, 3635-3645, 3655-3665, 3675-3685, 3695-3705, 3715-3725, 3735-3745, 3755-3765, 3775-3785, 3795-3805, 3815-3825, 3835-3845, 3855-3865, 3875-3885, 3895-3905, 3915-3925, 3935-3945, 3955-3965, 3975-3985, 3995-4005.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 2375-2385, 2395-2405, 2415-2425, 2435-2445, 2455-2465, 2475-2485, 2495-2505, 2515-2525, 2535-2545, 2555-2565, 2575-2585, 2595-2605, 2615-2625, 2635-2645, 2655-2665, 2677-2687, 2697-2707, 2717-2727, 2737-2747, 2757-2767, 2777-2787, 2797-2807, 2817-2827, 2837-2847, 2857-2867, 2877-2887, 2897-2907, 2917-2927, 2937-2947, 2957-2967, 2977-2987, 2997-3007.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 2800-2810, 2820-2830, 2840-2850, 2860-2870, 2880-2890, 2900-2910, 2920-2930, 2940-2950, 2960-2970, 2980-2990, 3000-3010, 3020-3030, 3040-3050, 3060-3070, 3080-3090, 3100-3110, 3120-3130, 3140-3150, 3160-3170, 3180-3190, 3200-3210, 3220-3230, 3240-3250, 3260-3270, 3280-3290, 3300-3310, 3320-3330, 3340-3350, 3360-3370, 3380-3390, 3400-3410, 3420-3430, 3440-3450, 3460-3470, 3480-3490, 3500-3510, 3520-3530, 3540-3550, 3560-3570, 3580-3590, 3600-3610, 3620-3630, 3640-3650, 3660-3670, 3680-3690, 3700-3710, 3720-3730, 3740-3750, 3760-3770, 3780-3790, 3800-3810, 3820-3830, 3840-3850, 3860-3870, 3880-3890, 3900-3910, 3920-3930, 3940-3950, 3960-3970, 3980-3990, 4000-4010.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 3615-3625, 3635-3645, 3655-3665, 3675-3685, 3695-3705, 3715-3725, 3735-3745, 3755-3765, 3775-3785, 3795-3805, 3815-3825, 3835-3845, 3855-3865, 3875-3885, 3895-3905, 3915-3925, 3935-3945, 3955-3965, 3975-3985, 3995-4005, 4015-4025, 4035-4045, 4055-4065, 4075-4085, 4095-4105, 4115-4125, 4135-4145, 4155-4165, 4175-4185, 4195-4205, 4215-4225, 4235-4245, 4255-4265, 4275-4285, 4295-4305, 4315-4325, 4335-4345, 4355-4365, 4375-4385, 4395-4405, 4415-4425, 4435-4445, 4455-4465, 4475-4485, 4495-4505, 4515-4525, 4535-4545, 4555-4565, 4575-4585, 4595-4605, 4615-4625, 4635-4645, 4655-4665, 4677-4687, 4697-4707, 4717-4727, 4737-4747, 4757-4767, 4777-4787, 4797-4807, 4817-4827, 4837-4847, 4857-4867, 4877-4887, 4897-4907, 4917-4927, 4937-4947, 4957-4967, 4977-4987, 4997-5007.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 1600-1610, 1620-1630, 1640-1650, 1660-1670, 1680-1690, 1700-1710, 1720-1730, 1740-1750, 1760-1770, 1780-1790, 1800-1810, 1820-1830, 1840-1850, 1860-1870, 1880-1890, 1900-1910, 1920-1930, 1940-1950, 1960-1970, 1980-1990, 2000-2010, 2020-2030, 2040-2050, 2060-2070, 2080-2090, 2100-2110, 2120-2130, 2140-2150, 2160-2170, 2180-2190, 2200-2210, 2220-2230, 2240-2250, 2260-2270, 2280-2290, 2300-2310, 2320-2330, 2340-2350, 2360-2370, 2380-2390, 2400-2410, 2420-2430, 2440-2450, 2460-2470, 2480-2490, 2500-2510, 2520-2530, 2540-2550, 2560-2570, 2580-2590, 2600-2610, 2620-2630, 2640-2650, 2660-2670, 2680-2690, 2700-2710, 2720-2730, 2740-2750, 2760-2770, 2780-2790, 2800-2810, 2820-2830, 2840-2850, 2860-2870, 2880-2890, 2900-2910, 2920-2930, 2940-2950, 2960-2970, 2980-2990, 3000-3010.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 2800-2810, 2820-2830, 2840-2850, 2860-2870, 2880-2890, 2900-2910, 2920-2930, 2940-2950, 2960-2970, 2980-2990, 3000-3010, 3020-3030, 3040-3050, 3060-3070, 3080-3090, 3100-3110, 3120-3130, 3140-3150, 3160-3170, 3180-3190, 3200-3210, 3220-3230, 3240-3250, 3260-3270, 3280-3290, 3300-3310, 3320-3330, 3340-3350, 3360-3370, 3380-3390, 3400-3410, 3420-3430, 3440-3450, 3460-3470, 3480-3490, 3500-3510, 3520-3530, 3540-3550, 3560-3570, 3580-3590, 3600-3610, 3620-3630, 3640-3650, 3660-3670, 3680-3690, 3700-3710, 3720-3730, 3740-3750, 3760-3770, 3780-3790, 3800-3810, 3820-3830, 3840-3850, 3860-3870, 3880-3890, 3900-3910, 3920-3930, 3940-3950, 3960-3970, 3980-3990, 4000-4010.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB). Rows include various channel configurations for frequencies 3615-3625, 3635-3645, 3655-3665, 3675-3685, 3695-3705, 3715-3725, 3735-3745, 3755-3765, 3775-3785, 3795-3805, 3815-3825, 3835-3845, 3855-3865, 3875-3885, 3895-3905, 3915-3925, 3935-3945, 3955-3965, 3975-3985, 3995-4005, 4015-4025, 4035-4045, 4055-4065, 4077-4087, 4097-4107, 4117-4127, 4137-4147, 4157-4167, 4177-4187, 4197-4207, 4217-4227, 4237-4247, 4257-4267, 4277-4287, 4297-4307, 4317-4327, 4337-4347, 4357-4367, 4377-4387, 4397-4407, 4417-4427, 4437-4447, 4457-4467, 4477-4487, 4497-4507, 4517-4527, 4537-4547, 4557-4567, 4577-4587, 4597-4607, 4617-4627, 4637-4647, 4657-4667, 4677-4687, 4697-4707, 4717-4727, 4737-4747, 4757-4767, 4777-4787, 4797-4807, 4817-4827, 4837-4847, 4857-4867, 4877-4887, 4897-4907, 4917-4927, 4937-4947, 4957-4967, 4977-4987, 4997-5007.

Table 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Carriers (dBm)	Power EIRP (dBm)	Power Per Tone (dBm)	Time- up Int. (dBm)	MPR (dB)
Channel 2230								
10	QPSK	1	0	22.12			23.8	0
10	QPSK	1	40	22.08				
10	QPSK	1	80	21.99				
10	QPSK	25	0	21.63			22.8	1
10	QPSK	25	40	21.52				
10	QPSK	25	80	21.31				
10	QPSK	50	0	20.95			22.8	1
10	QPSK	50	40	20.84				
10	QPSK	50	80	20.61				
10	16QAM	1	0	21.41			22.8	1
10	16QAM	1	40	21.29				
10	16QAM	1	80	21.06				
10	16QAM	25	12	20.69			21.8	2
10	16QAM	25	52	20.52				
10	16QAM	25	92	20.32				
10	16QAM	50	0	20.02			21.8	2
10	16QAM	50	40	19.89				
10	16QAM	50	80	19.73				
10	16QAM	25	12	19.52			20.8	3
10	16QAM	25	52	19.39				
10	16QAM	25	92	19.21				
10	16QAM	50	0	19.01			19.3	4.5
10	16QAM	50	40	18.86				
10	16QAM	50	80	18.75				
10	16QAM	25	12	18.58			19.3	4.5
10	16QAM	25	52	18.46				
10	16QAM	25	92	18.37				
Channel 2755								
Channel 2755								
5	QPSK	1	0	21.84	21.64	22.06	23.8	0
5	QPSK	1	12	22.19	21.96	22.59		
5	QPSK	1	24	22.25	21.97	22.88		
5	QPSK	12	0	21.68	21.69	21.16	22.8	1
5	QPSK	12	7	21.21	21.14	21.17		
5	QPSK	12	13	21.15	21.07	21.10		
5	QPSK	25	0	21.19	21.08	21.12		
5	16QAM	1	0	21.69	21.49	21.37	22.8	1
5	16QAM	1	24	21.37	21.30	21.27		
5	16QAM	1	48	20.99	20.93	20.91		
5	16QAM	12	7	20.21	20.15	20.22	21.8	2
5	16QAM	12	13	20.17	20.13	20.13		
5	16QAM	25	0	20.15	20.13	20.16		
5	16QAM	1	0	20.15	20.16	20.27		
5	16QAM	1	12	20.25	20.26	20.29	21.8	2
5	16QAM	1	24	20.23	20.18	20.25		
5	16QAM	12	0	19.11	19.17	19.17	20.8	3
5	16QAM	12	7	19.23	19.20	19.21		
5	16QAM	12	13	19.17	19.14	19.16		
5	16QAM	25	0	19.15	19.10	19.16	19.3	4.5
5	16QAM	1	0	17.26	17.27	17.32		
5	16QAM	1	12	17.33	17.46	17.50		
5	16QAM	1	24	17.37	17.41	17.36		
5	16QAM	12	0	17.33	17.36	17.40	19.3	4.5
5	16QAM	12	7	17.35	17.40	17.40		
5	16QAM	12	13	17.47	17.42	17.44		
5	16QAM	25	0	17.41	17.26	17.24		

Table 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Carriers (dBm)	Power EIRP (dBm)	Power Per Tone (dBm)	Time- up Int. (dBm)	MPR (dB)
Channel 1710								
20	QPSK	1	0	22.79	22.18	22.28	23.8	0
20	QPSK	1	40	22.65	22.13	22.07		
20	QPSK	1	80	22.77	22.72	22.84		
20	QPSK	50	0	22.06	22.17	22.15	22.8	1
20	QPSK	50	40	22.18	22.22	22.25		
20	QPSK	50	80	22.02	22.14	22.12		
20	QPSK	100	0	22.10	22.22	22.16		
20	16QAM	1	0	22.62	22.62	22.67	22.8	1
20	16QAM	1	40	22.29	22.42	22.50		
20	16QAM	1	80	21.96	22.24	22.28		
20	16QAM	50	0	21.09	21.20	21.16	21.8	2
20	16QAM	50	40	21.16	21.27	21.19		
20	16QAM	50	80	21.04	21.16	21.11		
20	16QAM	100	0	21.12	21.18	21.20		
20	16QAM	1	0	20.95	21.27	21.06	21.8	2
20	16QAM	1	40	21.18	21.18	21.20		
20	16QAM	1	80	20.91	21.07	20.97		
20	16QAM	50	0	20.00	20.97	20.16	20.8	3
20	16QAM	50	40	20.13	20.94	20.22		
20	16QAM	50	80	19.99	20.94	20.16		
20	16QAM	100	0	20.00	20.99	20.16		
20	25QAM	1	0	17.85	17.86	17.87	19.3	4.5
20	25QAM	1	40	17.83	18.04	18.02		
20	25QAM	1	80	17.71	18.03	17.88		
20	25QAM	50	0	17.74	17.73	17.83	19.3	4.5
20	25QAM	50	40	17.81	17.78	18.06		
20	25QAM	50	80	17.85	17.86	17.86		
20	25QAM	100	0	17.85	17.86	17.87		
Channel 1502.5								
Channel 1502.5								
15	QPSK	1	0	22.90	23.04	23.16	23.8	0
15	QPSK	1	37	22.99	23.12	23.10		
15	QPSK	1	74	22.84	23.28	23.07		
15	QPSK	36	0	22.10	22.17	22.22	22.8	1
15	QPSK	36	20	22.17	22.17	22.17		
15	QPSK	36	36	22.07	22.16	22.16		
15	QPSK	72	0	22.14	22.19	22.15		
15	16QAM	1	0	22.36	22.41	22.47	22.8	1
15	16QAM	1	37	22.33	22.41	22.42		
15	16QAM	1	74	22.14	22.22	22.26		
15	16QAM	36	0	21.06	21.18	21.23	21.8	2
15	16QAM	36	20	21.18	21.18	21.19		
15	16QAM	36	36	21.09	21.15	21.17		
15	16QAM	72	0	21.03	21.12	21.11		
15	16QAM	1	0	21.04	21.21	21.15	21.8	2
15	16QAM	1	37	21.20	21.26	21.20		
15	16QAM	1	74	20.96	21.11	21.11		
15	16QAM	36	0	20.94	20.24	20.23	20.8	3
15	16QAM	36	20	20.11	20.21	20.08		
15	16QAM	36	36	20.23	20.18	20.08		
15	16QAM	72	0	20.03	20.14	20.04		
15	16QAM	1	0	17.85	17.86	17.87	19.3	4.5
15	25QAM	1	37	17.85	18.17	18.23		
15	25QAM	1	74	17.82	18.06	17.84		
15	25QAM	36	0	17.78	18.00	17.78	19.3	4.5
15	25QAM	36	20	17.79	17.93	18.02		
15	25QAM	36	36	17.66	18.01	17.82		
15	25QAM	72	0	17.66	17.86	17.78		
Channel 1302.5								
Channel 1302.5								
10	QPSK	1	0	22.85	22.82	22.84	23.8	0
10	QPSK	1	24	22.79	22.92	22.88		
10	QPSK	1	48	22.55	22.84	22.63		
10	QPSK	25	0	21.96	21.99	21.99	22.8	1
10	QPSK	25	25	21.86	21.99	21.86		
10	16QAM	1	0	21.93	22.02	22.10	22.8	1
10	16QAM	1	24	21.81	21.99	21.94		
10	16QAM	1	48	21.90	22.07	22.12		
10	16QAM	25	0	20.84	20.96	20.96	21.8	2
10	16QAM	25	24	20.86	20.97	21.03		
10	16QAM	25	48	20.84	20.90	20.93		
10	16QAM	50	0	20.99	20.88	20.91	21.8	2
10	16QAM	50	24	20.96	21.13	21.11		
10	16QAM	50	48	20.96	21.13	21.11		
10	16QAM	100	0	20.96	21.13	21.11		
10	16QAM	1	0	20.86	21.10	21.08	20.8	3
10	16QAM	1	24	20.99	21.12	21.01		
10	16QAM	1	48	20.95	21.08	21.06		
10	16QAM	1	72	21.01	21.07	21.12	21.8	2
10	16QAM	12	0	20.94	21.06	20.99		
10	16QAM	25	0	20.95	20.98	21.00		
10	16QAM	1	0	20.95	21.08	20.99		
10	16QAM	12	0	19.95	20.10	19.92	20.8	3
10	16QAM	12	7	19.95	20.10	19.92		
10	16QAM	12	13	19.98	20.07	19.95		
10	16QAM	25	0	19.98	20.07	19.98		
10	16QAM	1	0	17.68	17.80	17.69	19.3	4.5
10	25QAM	1	12	17.64	18.00	18.04		
10	25QAM	1	24	17.76	18.03	17.80		
10	25QAM	12	0	17.69	17.86	17.67		
10	25QAM	12	7	17.63	17.86	17.62	19.3	4.5
10	25QAM	12	13	17.54				

Table 24

Site (MPO)	Modulation	RF Band	RF Offset	Power Level (mW)	Power Level (dBm)	Power Level (dBm)	Turn-up time (mins)	MPO (dB)
Channel Frequency (MHz)								
				20525	20525	20525		
				675	683	688		
20	QPSK	1	0	22.49	22.51	22.44		23.8
20	QPSK	1	49	22.43	22.46	22.68		
20	QPSK	1	59	22.46	22.57	22.51		
20	QPSK	50	0	21.51	21.69	21.55		
20	QPSK	50	24	21.52	21.54	21.54		
20	QPSK	50	50	21.57	21.51	21.58		
20	QPSK	100	0	21.52	21.58	21.47		22.8
20	16QAM	1	0	21.50	21.50	21.51		
20	16QAM	1	49	21.31	21.49	21.49		23.3
20	16QAM	1	99	21.46	21.55	21.57		
20	16QAM	50	0	20.59	20.59	20.59		
20	16QAM	50	24	20.65	20.50	20.57		21.8
20	16QAM	50	74	20.52	20.50	20.54		
20	16QAM	100	0	20.53	20.52	20.42		
20	16QAM	1	0	20.54	20.52	20.70		
20	16QAM	1	49	20.51	20.55	20.61		21.8
20	16QAM	1	99	20.50	20.47	20.61		
20	16QAM	50	0	19.48	19.52	19.51		
20	16QAM	50	24	19.42	19.46	19.57		20.8
20	16QAM	50	50	19.54	19.59	19.60		
20	16QAM	100	0	19.55	19.51	19.68		
20	25QAM	1	0	17.93	17.95	17.93		
20	25QAM	1	49	17.95	18.23	18.37		19.3
20	25QAM	1	99	18.14	18.19	18.33		
20	25QAM	50	0	17.90	17.98	17.97		
20	25QAM	50	24	17.96	17.97	18.20		19.3
20	25QAM	50	50	17.98	18.01	18.05		
20	25QAM	100	0	17.82	17.98	17.86		
Channel Frequency (MHz)								
				133197	133197	133197		
				683.5	691.5	696.5		
15	QPSK	1	0	22.45	22.50	22.63		23.8
15	QPSK	1	37	22.49	22.44	22.50		
15	QPSK	1	74	22.42	22.38	22.44		
15	QPSK	36	0	21.85	21.88	21.78		
15	QPSK	36	20	21.58	21.48	21.61		22.8
15	QPSK	36	39	21.80	21.61	21.65		
15	QPSK	75	0	21.56	21.50	21.59		
15	16QAM	1	0	21.43	21.49	21.48		23.3
15	16QAM	1	37	21.33	21.35	21.44		
15	16QAM	1	74	21.38	21.38	21.31		
15	16QAM	36	0	20.58	20.58	20.58		21.8
15	16QAM	36	20	20.55	20.55	20.55		
15	16QAM	36	39	20.67	20.60	20.61		
15	16QAM	75	0	20.54	20.58	20.51		
15	16QAM	1	0	20.58	20.61	20.65		21.8
15	16QAM	1	37	20.49	20.37	20.52		
15	16QAM	1	74	20.54	20.46	20.54		
15	16QAM	36	0	19.55	19.59	19.59		
15	16QAM	36	20	19.59	19.69	19.71		20.8
15	16QAM	36	39	19.55	19.54	19.60		
15	16QAM	75	0	19.87	19.85	19.87		
15	25QAM	1	0	17.93	17.97	17.98		
15	25QAM	1	37	17.93	18.25	18.32		19.3
15	25QAM	1	74	18.18	18.17	18.06		
15	25QAM	36	0	17.97	18.06	18.06		
15	25QAM	36	20	17.93	18.17	18.34		19.3
15	25QAM	36	39	17.89	17.88	18.05		
15	25QAM	75	0	17.94	18.30	18.07		
Channel Frequency (MHz)								
				133197	133197	133197		
				693	679	691		
10	QPSK	1	0	22.53	22.31	22.41		23.8
10	QPSK	1	29	22.52	22.31	22.30		
10	QPSK	1	49	22.29	22.19	22.30		
10	QPSK	25	0	21.39	21.39	21.37		
10	QPSK	25	12	21.41	21.41	21.38		22.8
10	QPSK	25	25	21.30	21.38	21.38		
10	QPSK	50	0	21.40	21.38	21.51		
10	16QAM	1	0	21.39	21.38	21.31		23.3
10	16QAM	1	29	21.30	21.39	21.38		
10	16QAM	1	49	21.38	21.30	21.35		
10	16QAM	25	0	20.38	20.37	20.40		
10	16QAM	25	12	20.42	20.37	20.45		21.8
10	16QAM	25	24	20.52	20.38	20.54		
10	16QAM	50	0	20.35	20.37	20.46		
10	16QAM	1	0	20.52	20.45	20.35		21.8
10	16QAM	1	29	20.28	20.39	20.49		
10	16QAM	1	49	20.48	20.50	20.53		
10	16QAM	25	0	19.53	19.51	19.53		
10	16QAM	25	12	19.59	19.41	19.43		20.8
10	16QAM	25	25	19.50	19.50	19.54		
10	16QAM	50	0	19.30	19.28	19.53		
10	25QAM	1	0	17.81	17.81	17.86		19.3
10	25QAM	1	29	17.75	18.09	17.89		
10	25QAM	1	49	18.13	18.11	18.05		
10	25QAM	25	0	17.75	17.77	17.79		
10	25QAM	25	12	17.73	17.68	18.05		19.3
10	25QAM	25	24	17.66	17.72	17.79		
10	25QAM	50	0	17.67	17.72	17.72		
Channel Frequency (MHz)								
				133197	133197	133197		
				693.5	679.5	692.5		
5	QPSK	1	0	22.50	22.23	22.17		23.8
5	QPSK	1	18	22.31	22.34	22.31		
5	QPSK	1	24	22.40	22.38	22.58		
5	QPSK	12	0	21.34	21.38	21.42		22.8
5	QPSK	12	7	21.45	21.51	21.55		
5	QPSK	12	13	21.40	21.48	21.52		
5	QPSK	20	0	21.30	21.41	21.46		
5	16QAM	1	0	21.44	21.45	21.52		23.3
5	16QAM	1	12	21.81	21.83	21.87		
5	16QAM	1	24	21.96	21.98	21.98		23.3
5	16QAM	12	0	20.37	20.41	20.43		
5	16QAM	12	7	20.49	20.52	20.43		21.8
5	16QAM	12	13	20.42	20.48	20.43		
5	16QAM	25	0	20.43	20.48	20.47		
5	16QAM	1	0	20.59	20.41	20.40		21.8
5	16QAM	1	12	20.33	20.37	20.52		
5	16QAM	1	24	20.43	20.48	20.45		
5	16QAM	12	0	19.50	19.47	19.41		
5	16QAM	12	7	19.39	19.46	19.41		20.8
5	16QAM	12	13	19.40	19.43	19.43		
5	16QAM	25	0	19.42	19.44	19.43		
5	25QAM	1	0	17.88	17.77	17.63		19.3
5	25QAM	1	12	17.77	18.05	17.87		
5	25QAM	1	24	18.07	18.09	17.97		
5	25QAM	12	0	17.72	17.83	17.86		
5	25QAM	12	7	17.73	17.88	18.04		19.3
5	25QAM	12	13	17.74	17.82	17.88		
5	25QAM	25	0	17.70	17.85	17.82		

LTE Band 38											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				3750	3800	3850					
20	QPSK	1	0	22.18	22.12	22.10	23.8	0			
20	QPSK	1	49	22.26	22.24	22.17					
20	QPSK	1	99	22.33	22.26	22.27					
20	QPSK	50	0	21.23	21.16	21.13	22.8	1			
20	QPSK	50	24	21.39	21.35	21.30					
20	QPSK	50	50	21.35	21.32	21.27					
20	QPSK	100	0	21.43	21.40	21.39					
20	16QAM	1	0	21.58	21.50	21.67	22.8	1			
20	16QAM	1	49	21.56	21.49	21.58					
20	16QAM	1	99	21.75	21.58	21.65					
20	16QAM	50	0	20.16	20.17	20.17					
20	16QAM	50	24	20.46	20.33	20.43					
20	16QAM	50	50	20.34	20.40	20.38					
20	16QAM	100	0	20.32	20.32	20.38					
20	64QAM	1	0	19.55	19.55	20.09	21.8	2			
20	64QAM	1	49	20.03	19.95	20.00					
20	64QAM	1	99	20.14	19.96	20.12					
20	64QAM	50	0	19.04	18.96	19.15					
20	64QAM	50	24	19.23	19.01	19.35					
20	64QAM	50	50	19.13	19.19	19.24					
20	64QAM	100	0	19.16	19.16	19.29					
20	256QAM	1	0	18.13	17.84	17.93	19.3	4.5			
20	256QAM	1	49	17.95	18.07	18.17					
20	256QAM	1	99	18.14	17.71	18.13					
20	256QAM	50	0	17.90	18.03	17.97					
20	256QAM	50	24	17.96	18.12	18.20					
20	256QAM	50	50	17.88	18.10	18.05					
20	256QAM	100	0	17.82	17.99	17.95					
Channel											
Frequency (MHz)				3725	3800	3875					
15	QPSK	1	0	22.23	22.25	22.27	23.8	0			
15	QPSK	1	37	22.21	22.29	22.31					
15	QPSK	1	74	22.31	22.04	22.31					
15	QPSK	36	0	21.33	21.24	21.36	22.8	1			
15	QPSK	36	20	21.44	21.44	21.45					
15	QPSK	36	39	21.32	21.31	21.40					
15	QPSK	75	0	21.34	21.33	21.40					
15	16QAM	1	0	21.60	21.58	21.57	22.8	1			
15	16QAM	1	37	21.63	21.59	21.70					
15	16QAM	1	74	21.83	21.59	21.70					
15	16QAM	36	0	20.21	20.27	20.27					
15	16QAM	36	20	20.46	20.37	20.39					
15	16QAM	36	39	20.35	20.33	20.47					
15	16QAM	75	0	20.40	20.40	20.37	21.8	2			
15	64QAM	1	0	20.33	20.09	20.13					
15	64QAM	1	37	20.32	20.26	20.22					
15	64QAM	1	74	20.32	20.17	20.41					
15	64QAM	36	0	19.24	19.09	19.10	20.8	3			
15	64QAM	36	20	19.43	19.24	19.16					
15	64QAM	36	39	19.35	19.10	19.17					
15	64QAM	75	0	19.39	19.09	19.10					
15	256QAM	1	0	18.01	17.87	17.97	19.3	4.5			
15	256QAM	1	37	18.24	18.08	18.09					
15	256QAM	1	74	18.03	17.92	18.02					
15	256QAM	36	0	18.10	18.16	17.92					
15	256QAM	36	20	18.16	18.35	18.01	19.3	4.5			
15	256QAM	36	39	18.10	18.01	17.98					
15	256QAM	75	0	18.05	17.92	17.76					
Channel											
Frequency (MHz)				3700	3800	3820					
10	QPSK	1	0	21.98	22.06	21.98	23.8	0			
10	QPSK	1	25	22.01	22.00	22.14					
10	QPSK	1	49	21.86	22.14	22.19					
10	QPSK	25	0	21.14	21.08	21.14	22.8	1			
10	QPSK	25	12	21.32	21.26	21.29					
10	QPSK	25	25	21.17	21.18	21.18					
10	QPSK	50	0	21.19	21.18	21.15					
10	16QAM	1	0	21.03	21.35	21.35	22.8	1			
10	16QAM	1	25	21.38	21.42	21.44					
10	16QAM	1	49	21.10	21.48	21.51					
10	16QAM	25	0	20.12	20.01	20.14					
10	16QAM	25	12	20.23	20.36	20.41					
10	16QAM	25	25	20.14	20.17	20.26	21.8	2			
10	16QAM	50	0	20.16	20.21	20.27					
10	64QAM	1	0	19.89	20.04	20.03					
10	64QAM	1	25	20.06	20.19	20.02	21.8	2			
10	64QAM	1	49	19.85	20.02	20.27					
10	64QAM	25	0	19.23	18.91	19.00					
10	64QAM	25	12	19.15	19.05	19.18	20.8	3			
10	64QAM	25	25	19.25	18.91	19.12					
10	64QAM	50	0	19.09	18.94	19.01					
10	256QAM	1	0	18.07	17.83	17.87	19.3	4.5			
10	256QAM	1	25	17.96	18.01	18.16					
10	256QAM	1	49	17.85	17.87	18.28					
10	256QAM	25	0	18.06	17.98	17.82	19.3	4.5			
10	256QAM	25	12	17.88	18.16	18.03					
10	256QAM	25	25	18.00	17.82	17.93					
10	256QAM	50	0	17.75	17.77	17.67					
Channel											
Frequency (MHz)				3775	3800	3825					
5	QPSK	1	0	21.90	21.92	21.98	23.8	0			
5	QPSK	1	12	22.02	22.02	22.05					
5	QPSK	1	24	22.03	21.97	22.01					
5	QPSK	12	0	21.28	21.09	21.20	22.8	1			
5	QPSK	12	7	21.38	21.24	21.23					
5	QPSK	12	13	21.29	21.30	21.30					
5	QPSK	25	0	21.16	21.23	21.18					
5	16QAM	1	0	21.23	21.24	21.34	22.8	1			
5	16QAM	1	12	21.37	21.31	21.39					
5	16QAM	1	24	21.43	21.40	21.45					
5	16QAM	12	0	20.27	20.22	20.27					
5	16QAM	12	7	20.37	20.26	20.30	21.8	2			
5	16QAM	12	13	20.21	20.22	20.31					
5	16QAM	25	0	20.31	20.23	20.22					
5	64QAM	1	0	20.14	19.92	20.03	21.8	2			
5	64QAM	1	12	20.13	19.92	20.09					
5	64QAM	1	24	20.14	19.92	20.05					
5	64QAM	12	0	19.28	19.03	19.15	20.8	3			
5	64QAM	12	7	19.29	19.04	19.19					
5	64QAM	12	13	19.30	19.04	19.14					
5	64QAM	25	0	19.26	19.23	19.33					
5	256QAM	1	0	18.02	17.81	17.87	19.3	4.5			
5	256QAM	1	12	18.05	18.04	18.06					
5	256QAM	1	24	18.14	17.87	18.06					
5	256QAM	12	0	18.14	18.10	17.87	19.3	4.5			
5	256QAM	12	7	18.02	18.15	18.04					
5	256QAM	12	13	18.05	17.95	17.85					
5	256QAM	25	0	18.12	18.16	18.59					

LTE Band 41											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				39750	40185	40620					
20	QPSK	1	0	22.07	22.12	21.85	23.8	0			
20	QPSK	1	49	22.11	22.02	22.08					
20	QPSK	1	99	22.04	22.15	21.89					
20	QPSK	50	0	21.02	21.03	21.16	22.8	1			
20	QPSK	50	24	21.18	21.20	21.29					
20	QPSK	50	50	21.11	21.14	21.23					
20	QPSK	100	0	21.05	21.09	21.34					
20	16QAM	1	0	21.24	21.08	21.13	22.8	1			
20	16QAM	1	49	21.16	21.23	21.07					
20	16QAM	1	99	21.14	21.25	20.87					
20	16QAM	50	0	20.11	20.15	20.20					
20											

LTE Band 41 HPLVE										Tune-up limit (dBm)	MPR (dB)
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.	Channel Frequency (MHz)		
Channel											
39750										26.3	0
20	QPSK	1	0	24.95	24.99	24.91	24.98	24.92	2506		
20	QPSK	1	49	25.14	24.99	25.40	25.10	25.10	2549.5		
20	QPSK	1	99	24.92	25.03	25.35	24.92	25.08	2593		
20	QPSK	50	0	24.16	24.16	24.17	24.26	24.11	2636.5		
20	QPSK	50	24	24.38	24.19	24.60	24.34	24.29	2680		
20	QPSK	50	50	24.25	24.19	24.57	24.23	24.34	2690		
20	QPSK	100	0	24.24	24.08	24.51	24.12	24.22	2695		
20	16QAM	1	0	24.06	24.30	24.09	24.15	24.07			
20	16QAM	1	49	24.48	24.38	24.41	24.54	24.51			
20	16QAM	1	99	24.18	24.41	24.23	24.04	24.33			
20	16QAM	50	0	23.11	23.16	23.04	23.19	23.21			
20	16QAM	50	24	23.29	23.20	23.42	23.28	23.38			
20	16QAM	50	50	23.31	23.30	23.41	23.32	23.41			
20	16QAM	100	0	23.15	23.18	23.39	23.28	23.28			
20	64QAM	1	0	22.75	22.85	22.49	22.45	22.53			
20	64QAM	1	49	22.80	22.85	22.61	22.64	22.54			
20	64QAM	1	99	22.88	22.82	22.87	22.49	22.51			
20	64QAM	50	0	21.95	21.91	21.83	21.95	21.81			
20	64QAM	50	24	21.90	21.94	21.82	21.92	21.80			
20	64QAM	50	50	21.98	21.96	21.81	21.81	21.96			
20	64QAM	100	0	21.98	21.99	21.76	21.71	21.81			
20	256QAM	1	0	19.85	19.91	19.85	19.86	19.80			
20	256QAM	1	49	20.00	20.15	19.98	20.04	19.84			
20	256QAM	1	99	20.05	19.81	20.07	19.89	19.80			
20	256QAM	50	0	19.84	20.05	20.01	19.82	19.85			
20	256QAM	50	24	19.86	20.08	19.99	20.05	20.04			
20	256QAM	50	50	20.05	20.03	20.01	20.06	20.03			
20	256QAM	100	0	20.07	20.03	19.97	20.35	20.10			
39725										26.3	0
2503.5											
15	QPSK	1	0	24.75	24.80	24.90	25.07	24.97	2593		
15	QPSK	1	37	24.89	25.06	24.88	25.09	25.03	2546.3		
15	QPSK	1	74	24.80	24.93	25.05	24.92	25.02	2593		
15	QPSK	36	0	24.16	24.10	24.16	24.15	24.14	2637.8		
15	QPSK	36	20	24.24	24.22	24.27	24.30	24.38	2682.5		
15	QPSK	36	38	24.26	24.18	24.26	24.29	24.41			
15	QPSK	75	0	24.05	24.12	24.15	24.26	24.24			
15	16QAM	1	0	24.21	24.24	24.17	24.42	24.31			
15	16QAM	1	37	24.53	24.42	24.38	24.44	24.46			
15	16QAM	1	74	24.54	24.21	24.38	24.30	24.46			
15	16QAM	36	0	22.85	23.04	23.12	23.22	23.11			
15	16QAM	36	20	23.13	23.18	23.18	23.33	23.33			
15	16QAM	36	39	23.34	23.13	23.29	23.30	23.31			
15	16QAM	75	0	23.19	23.14	23.27	23.37	23.16			
15	64QAM	1	0	22.47	22.58	22.44	22.62	22.54			
15	64QAM	1	37	22.31	22.84	22.75	22.39	22.55			
15	64QAM	1	74	22.56	22.53	22.56	22.54	22.55			
15	64QAM	36	0	21.70	21.95	21.85	21.83	21.78			
15	64QAM	36	20	21.65	22.05	22.00	21.75	21.85			
15	64QAM	36	39	21.57	22.06	22.02	21.59	21.94			
15	64QAM	75	0	21.37	21.75	21.61	21.74	21.60			
15	256QAM	1	0	20.02	19.99	19.95	20.17	19.95			
15	256QAM	1	37	20.26	19.99	20.15	20.04	20.20			
15	256QAM	1	74	20.28	19.87	20.11	20.28	19.89			
15	256QAM	36	0	20.22	19.89	19.98	19.95	19.87			
15	256QAM	36	20	20.16	20.14	19.92	20.06	19.94			
15	256QAM	36	39	20.07	19.98	19.87	20.29	19.86			
15	256QAM	75	0	19.86	19.84	19.87	19.93	19.89			
39700										26.3	0
2501											
10	QPSK	1	0	24.76	24.76	24.76	24.68	24.7	2591		
10	QPSK	1	25	24.62	24.77	24.95	24.95	25.04	2547		
10	QPSK	1	49	25.07	24.99	24.99	24.73	24.88	2593		
10	QPSK	25	0	23.99	24.03	24.05	24.12	24.1	2639		
10	QPSK	25	12	23.93	24.09	24.17	24.24	24.22	2695		
10	QPSK	25	25	24	24	24.04	24.13	24.12			
10	QPSK	50	0	23.73	23.99	24.01	24.08	24.07			
10	16QAM	1	0	23.86	23.91	23.99	24.1	24.08			
10	16QAM	1	25	23.92	24.08	24.29	24.28	24.21			
10	16QAM	1	49	24.16	24.02	24.01	24.24	24.13			
10	16QAM	25	0	22.91	22.9	23.02	23.16	23.18			
10	16QAM	25	12	22.99	23.16	23.22	23.28	23.31			
10	16QAM	25	25	23.04	23.03	23.15	23.1	23.24			
10	16QAM	50	0	22.97	23.06	23.01	23.11	23.16			
10	64QAM	1	0	22.49	22.39	22.33	22.40	22.47			
10	64QAM	1	25	22.53	22.57	22.44	22.37	22.47			
10	64QAM	1	49	22.45	22.45	22.62	22.49	22.55			
10	64QAM	25	0	21.78	22.01	21.84	21.89	21.97			
10	64QAM	25	12	21.88	22.13	21.85	21.77	21.90			
10	64QAM	25	25	21.86	21.91	21.90	21.81	21.92			
10	64QAM	50	0	21.78	21.92	21.71	21.59	21.95			
10	256QAM	1	0	19.84	19.90	19.89	19.95	19.88			
10	256QAM	1	25	19.88	19.82	19.84	19.92	19.92			
10	256QAM	1	49	19.97	19.59	19.97	19.81	19.86			
10	256QAM	25	0	19.80	19.80	19.87	19.92	19.86			
10	256QAM	25	12	19.81	20.02	19.87	19.88	19.89			
10	256QAM	25	25	19.86	19.83	19.85	19.81	19.84			
10	256QAM	50	0	19.87	19.51	19.87	19.82	19.84			
39675										26.3	0
2466.5											
5	QPSK	1	0	24.84	24.85	24.87	24.97	25.01	2593		
5	QPSK	1	12	24.82	24.85	24.89	24.88	24.99	2546.8		
5	QPSK	1	24	24.96	24.87	24.85	24.93	24.98	2593		
5	QPSK	12	0	23.89	24.04	24.11	24.11	24.25	2639		
5	QPSK	12	7	23.78	24.12	24.09	24.11	24.24	2682.5		
5	QPSK	12	13	23.81	24.10	24.10	24.19	24.24			
5	QPSK	25	0	23.83	24.02	24.05	24.09	24.18			
5	16QAM	1	0	23.88	24.09	24.24	24.25	24.28			
5	16QAM	1	12	23.89	24.23	24.26	24.28	24.29			
5	16QAM	1	24	23.94	24.26	24.27	24.31	24.28			
5	16QAM	12	0	22.87	23.15	23.10	23.17	23.25			
5	16QAM	12	7	22.85	23.13	23.09	23.13	23.32			
5	16QAM	12	13	22.88	23.11	23.22	23.16	23.24			
5	16QAM	25	0	22.79	23.04	23.10	23.14	23.19			
5	64QAM	1	0	22.35	22.34	22.39	22.83	22.41			
5	64QAM	1	12	22.41	22.43	22.55	22.56	22.40			
5	64QAM	1	24	22.34	22.34	22.45	22.49	22.47			
5	64QAM	12	0	21.40	21.68	21.55	21.57	21.43			
5	64QAM	12	7	21.44	21.73	21.51	21.62	21.46			
5	64QAM	12	13	21.45	21.71	21.61	21.62	21.34			
5	64QAM	25	0	21.38	21.68	21.50	21.54	21.34			
5	256QAM	1	0	19.80	20.15	19.80	20.16	19.82			
5	256QAM	1	12	19.88	20.18	20.15	19.81	20.15			
5	256QAM	1	24	20.16	20.18	20.10	20.11	19.91			
5	256QAM	12	0	19.82	20.07	20.00	20.19	20.06			
5	256QAM	12	7	20.05	20.02	20.03	20.03	20.05			
5	256QAM	12	13	19.85	20.03	20.06	19.92	20.06			
5	256QAM	25	0	20.17	19.87	20.00	19.93	19.93			

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	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM R Tx slot	27.96	27.99	28.29	29.30	18.96	18.99	19.29	20.30
GPRS 1 Tx slots	28.09	27.97	28.15	28.30	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	21.50	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	9600		9638	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	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	19.98	19.98	20.80	22.15	22.13	22.10	22.80
3GPP Rel 6	HSDPA Subtest-2	19.74	19.85	19.79	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	19.15	19.39	19.20	20.30	19.37	19.46	19.39	20.30	21.61	21.56	21.58	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	17.96	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+ (16QAM) 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	1512.5	600		1175	476	580		594
	Frequency (MHz)	22.87	22.92	22.88	23.80	21.11	21.10	21.21	22.30	23.01	23.10	23.01	23.80
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		22.86	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 153.6Kbps		22.76	22.78	22.68	23.80	21.06	21.07	21.17	22.30	22.98	23.03	22.98	23.80
NETAP 4096Kbps		22.75	22.73	22.68	23.80	21.04	21.06	21.16	22.30	22.96	22.99	22.98	23.80

Table 1: LFE Bank 1

Table with columns: Bin (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Rows include various modulation types like QPSK, 8PSK, 16QAM, 64QAM, 256QAM, and 1024QAM across different frequency bands.

Table 2: LFE Bank 2

Table with columns: Bin (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Rows include various modulation types like QPSK, 8PSK, 16QAM, 64QAM, 256QAM, and 1024QAM across different frequency bands.

Table 3: LFE Bank 3

Table with columns: Bin (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Turn-up time (min), MPR (dB), MPR (dB). Rows include various modulation types like QPSK, 8PSK, 16QAM, 64QAM, 256QAM, and 1024QAM across different frequency bands.

LTB Band 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, T-req up limit (dBm), MPR (dB). Contains multiple rows of data for various modulation schemes like QPSK, 16QAM, etc.

LTB Band 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, T-req up limit (dBm), MPR (dB). Contains multiple rows of data for various modulation schemes like QPSK, 16QAM, etc.

LTB Band 3

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, T-req up limit (dBm), MPR (dB). Contains multiple rows of data for various modulation schemes like QPSK, 16QAM, etc.

LTB Band 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, T-req up limit (dBm), MPR (dB). Contains multiple rows of data for various modulation schemes like QPSK, 16QAM, etc.

LTB Band 5

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, T-req up limit (dBm), MPR (dB). Contains multiple rows of data for various modulation schemes like QPSK, 16QAM, etc.

LTB Band 6

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, T-req up limit (dBm), MPR (dB). Contains multiple rows of data for various modulation schemes like QPSK, 16QAM, etc.

LTB Band 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, T-req up limit (dBm), MPR (dB). Contains multiple rows of data for various modulation schemes like QPSK, 16QAM, etc.

LTB Band 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, T-req up limit (dBm), MPR (dB). Contains multiple rows of data for various modulation schemes like QPSK, 16QAM, etc.

LTE Band 38										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2690	2695	2610				
20	QPSK	1	0	17.80	17.51	17.37	18.8	0		
20	QPSK	1	49	17.59	17.34	17.46				
20	QPSK	1	99	17.69	17.38	17.42				
20	QPSK	50	0	17.47	17.20	17.28				
20	QPSK	50	24	17.55	17.40	17.40	18.8	0		
20	QPSK	50	50	17.26	17.34	17.39				
20	QPSK	100	0	17.58	17.34	17.45				
20	16QAM	1	0	17.40	17.14	17.28				
20	16QAM	1	49	17.06	17.17	17.23	18.8	0		
20	16QAM	1	99	17.16	17.17	17.11				
20	16QAM	50	0	17.25	17.05	17.14				
20	16QAM	50	24	17.34	17.07	17.20				
20	16QAM	50	50	17.35	17.13	17.22	18.8	0		
20	16QAM	100	0	17.57	17.34	17.41				
20	64QAM	1	0	17.36	17.24	17.28				
20	64QAM	1	49	17.42	17.26	17.35				
20	64QAM	1	99	17.39	17.21	17.33	18.8	0		
20	64QAM	50	0	17.50	17.24	17.39				
20	64QAM	50	24	17.56	17.42	17.58				
20	64QAM	50	50	17.59	17.36	17.46				
20	64QAM	100	0	17.56	17.28	17.42	18.8	0		
20	256QAM	1	0	17.37	17.08	17.17				
20	256QAM	1	49	17.19	17.19	17.29				
20	256QAM	1	99	17.26	16.95	17.25				
20	256QAM	50	0	17.14	17.27	17.21	18.8	0		
20	256QAM	50	24	17.20	17.24	17.32				
20	256QAM	50	50	17.12	17.22	17.17				
20	256QAM	100	0	17.06	17.23	17.19				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	17.37	17.08	17.18	18.8	0		
15	QPSK	1	37	17.29	17.04	17.15				
15	QPSK	1	74	17.23	17.11	17.18				
15	QPSK	36	0	17.27	16.99	17.14				
15	QPSK	36	20	17.42	17.12	17.28	18.8	0		
15	QPSK	36	39	17.36	17.03	17.19				
15	QPSK	75	0	17.31	17.06	17.17				
15	16QAM	1	0	17.33	17.20	17.22				
15	16QAM	1	37	17.42	17.03	17.21	18.8	0		
15	16QAM	1	74	17.38	17.18	17.36				
15	16QAM	36	0	17.21	16.94	17.14				
15	16QAM	36	20	17.34	17.07	17.18				
15	16QAM	36	39	17.33	17.06	17.21	18.8	0		
15	16QAM	75	0	17.36	17.09	17.20				
15	64QAM	1	0	17.17	17.00	17.01				
15	64QAM	1	37	17.27	16.92	17.03				
15	64QAM	1	74	17.11	16.92	16.98	18.8	0		
15	64QAM	36	0	17.49	17.32	17.48				
15	64QAM	36	20	17.29	17.40	17.59				
15	64QAM	36	39	17.28	17.43	17.55				
15	64QAM	75	0	17.10	17.32	17.51	18.8	0		
15	256QAM	1	0	17.25	17.11	17.21				
15	256QAM	1	37	17.36	17.20	17.21				
15	256QAM	1	74	17.28	17.16	17.28				
15	256QAM	36	0	17.22	17.28	17.16	18.8	0		
15	256QAM	36	20	17.28	17.47	17.25				
15	256QAM	36	39	17.22	17.13	17.22				
15	256QAM	75	0	17.17	17.16	17.00				
Channel				37800	38000	38200				
Frequency (MHz)				2675	2695	2615				
10	QPSK	1	0	16.99	17.10	17.28	18.8	0		
10	QPSK	1	25	17.35	17.19	17.24				
10	QPSK	1	49	17.14	17.13	17.14				
10	QPSK	25	0	17.30	17.10	17.25				
10	QPSK	25	12	17.45	17.24	17.42	18.8	0		
10	QPSK	25	25	17.33	17.22	17.33				
10	QPSK	50	0	17.44	17.06	17.30				
10	16QAM	1	0	17.28	17.31	17.36				
10	16QAM	1	25	17.54	17.25	17.32	18.8	0		
10	16QAM	1	49	17.23	17.22	17.25				
10	16QAM	25	0	17.27	17.16	17.19				
10	16QAM	25	12	17.58	17.29	17.46				
10	16QAM	25	25	17.40	17.21	17.35	18.8	0		
10	16QAM	50	0	17.51	17.11	17.34				
10	64QAM	1	0	16.92	17.02	16.92				
10	64QAM	1	25	17.32	17.33	17.42				
10	64QAM	1	49	16.97	16.92	16.99	18.8	0		
10	64QAM	25	0	17.32	17.12	17.31				
10	64QAM	25	12	17.56	17.35	17.41				
10	64QAM	25	25	17.54	17.24	17.41				
10	64QAM	50	0	17.49	17.06	17.30	18.8	0		
10	256QAM	1	0	17.31	17.07	17.11				
10	256QAM	1	49	17.22	17.13	17.19				
10	256QAM	1	99	17.09	17.11	17.28				
10	256QAM	25	0	17.21	17.22	17.06	18.8	0		
10	256QAM	25	12	17.12	17.40	17.27				
10	256QAM	25	25	17.24	17.06	17.17				
10	256QAM	50	0	16.96	17.01	16.91				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	17.35	17.07	17.18	18.8	0		
5	QPSK	1	12	17.41	17.23	17.35				
5	QPSK	1	24	17.30	17.17	17.23				
5	QPSK	12	0	17.45	17.22	17.29				
5	QPSK	12	7	17.56	17.28	17.36	18.8	0		
5	QPSK	12	13	17.51	17.24	17.42				
5	QPSK	25	0	17.45	17.20	17.39				
5	16QAM	1	0	17.53	17.21	17.38				
5	16QAM	1	12	17.56	17.27	17.55	18.8	0		
5	16QAM	1	24	17.46	17.09	17.51				
5	16QAM	12	0	17.43	17.12	17.38				
5	16QAM	12	7	17.46	17.19	17.49				
5	16QAM	12	13	17.48	17.13	17.41	18.8	0		
5	16QAM	25	0	17.48	17.20	17.45				
5	64QAM	1	0	17.16	16.98	17.08				
5	64QAM	1	12	17.34	17.03	17.18				
5	64QAM	1	24	17.33	17.00	17.14	18.8	0		
5	64QAM	12	0	17.44	17.19	17.33				
5	64QAM	12	7	17.56	17.21	17.54				
5	64QAM	12	13	17.51	17.28	17.46				
5	64QAM	25	0	17.51	17.22	17.49	18.8	0		
5	256QAM	1	0	17.14	17.05	17.11				
5	256QAM	1	12	17.17	17.18	17.19				
5	256QAM	1	24	17.16	16.91	17.21				
5	256QAM	12	0	17.21	17.22	17.10	18.8	0		
5	256QAM	12	7	17.22	17.27	17.16				
5	256QAM	12	13	17.17	17.19	17.19				
5	256QAM	25	0	17.12	17.16	17.17				

LTE Band 41												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High High Ch. / Freq.	Power High High High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2566	2545.5	2593	2636.5	2680				
20	QPSK	1	0	17.72	17.68	17.47	17.47	17.41	18.8	0		
20	QPSK	1	49	17.70	17.60	17.83	17.65	17.68				
20	QPSK	1	99	17.59	17.80	17.72	17.64	17.80				
20	QPSK	50	0	17.89	17.77	17.64	17.70	17.69				
20	QPSK	50	24	17.74	17.76	17.80	17.67	17.74	18.8	0		
20	QPSK	50	50	17.72	17.76	17.72	17.62	17.75				
20	QPSK	100	0	17.70	17.71	17.74	17.58	17.72				
20	16QAM	1	0	17.78	17.76	17.42	17.56	17.60				
20	16QAM	1	49	17.68	17.73	17.77	17.71	17.74	18.8	0		
20	16QAM	1	99	17.71	17.75	17.48	17.39	17.81				
20	16QAM	50	0	17.29	17.28	17.11	17.14	17.20				
20	16QAM	50	24	17.27	17.45	17.20	17.19	17.32				
20	16QAM	50	50	17.20	17.45	17.30	17.12	17.41	18.8	0		
20	16QAM	100	0	17.18	17.32	17.19	17.10	1				

LTE Band 41HPUe										
BW [kHz]	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	21.3	0
Frequency (MHz)				2566	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.49	20.43	20.39	20.39	20.41	21.3	0
20	QPSK	1	49	20.48	20.46	20.51	20.48	20.47		
20	QPSK	1	99	20.44	20.45	20.20	20.19	20.42		
20	QPSK	50	0	20.38	20.39	20.28	20.35	20.36	21.3	0
20	QPSK	50	24	20.40	20.42	20.46	20.40	20.44		
20	QPSK	50	50	20.31	20.34	20.33	20.35	20.28		
20	QPSK	100	0	20.38	20.28	20.41	20.33	20.31	21.3	0
20	16QAM	1	0	20.24	20.23	19.99	19.97	20.10		
20	16QAM	1	49	20.14	20.16	20.21	20.16	20.21		
20	16QAM	1	99	20.19	20.21	19.90	19.87	20.24	21.3	0
20	16QAM	50	0	19.95	20.24	19.92	20.02	20.12		
20	16QAM	50	24	20.07	20.18	20.04	20.04	20.24		
20	16QAM	50	50	20.08	20.18	20.09	20.01	20.23	21.3	0
20	16QAM	100	0	20.01	20.10	20.07	20.02	20.16		
20	64QAM	1	0	20.22	20.20	20.03	20.08	19.98		
20	64QAM	1	49	20.16	20.20	20.14	20.10	20.18	21.3	0
20	64QAM	1	99	20.12	20.21	19.82	19.91	20.22		
20	64QAM	50	0	20.11	20.25	19.95	20.02	20.11		
20	64QAM	50	24	20.18	20.33	20.09	20.08	20.24	21.3	0
20	64QAM	50	50	20.10	20.27	20.14	20.04	20.32		
20	64QAM	100	0	20.07	20.14	20.08	20.05	20.18		
20	256QAM	1	0	19.70	19.66	19.40	19.40	19.54	21.3	0
20	256QAM	1	49	19.75	19.90	19.71	19.79	19.59		
20	256QAM	1	99	19.86	19.56	19.82	19.81	19.55		
20	256QAM	50	0	19.65	19.38	19.67	19.57	19.60	21.3	0
20	256QAM	50	24	19.35	19.43	19.94	19.30	19.56		
20	256QAM	50	50	19.40	19.83	19.36	19.41	19.78		
20	256QAM	100	0	19.54	19.94	19.78	19.50	19.65	21.3	0
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.37	20.41	20.39	20.40	20.35	21.3	0
15	QPSK	1	37	20.47	20.45	20.38	20.36	20.25		
15	QPSK	1	74	20.49	20.47	20.40	20.38	20.40		
15	QPSK	36	0	20.38	20.36	20.22	20.38	20.39	21.3	0
15	QPSK	36	20	20.34	20.50	20.42	20.37	20.45		
15	QPSK	36	38	20.35	20.44	20.31	20.31	20.43		
15	QPSK	75	0	20.38	20.47	20.33	20.34	20.44	21.3	0
15	16QAM	1	0	20.19	20.22	20.05	20.20	20.17		
15	16QAM	1	37	20.18	20.19	20.23	20.23	20.24		
15	16QAM	1	74	20.22	20.17	20.21	20.03	20.16	21.3	0
15	16QAM	36	0	20.11	20.11	19.96	19.96	20.14		
15	16QAM	36	20	20.13	20.19	20.14	20.07	20.15		
15	16QAM	36	39	20.05	20.22	20.04	20.01	20.25	21.3	0
15	16QAM	75	0	20.01	20.17	20.10	20.10	20.12		
15	64QAM	1	0	20.18	20.14	19.93	19.96	20.04		
15	64QAM	1	37	20.05	20.18	20.20	20.22	20.25	21.3	0
15	64QAM	1	74	20.16	20.04	20.10	19.92	20.20		
15	64QAM	36	0	20.09	20.20	20.03	20.07	20.10		
15	64QAM	36	20	20.14	20.28	20.17	20.17	20.21	21.3	0
15	64QAM	36	39	20.11	20.23	20.10	20.12	20.28		
15	64QAM	75	0	20.02	20.28	20.10	20.04	20.15		
15	256QAM	1	0	19.42	19.39	19.35	19.57	19.35	20.3	1
15	256QAM	1	37	19.96	19.39	19.35	19.44	19.80		
15	256QAM	1	74	19.88	19.27	19.51	19.66	19.29		
15	256QAM	36	0	19.62	19.29	19.38	19.35	19.27	20.3	1
15	256QAM	36	20	19.56	19.54	19.32	19.46	19.34		
15	256QAM	36	39	19.47	19.38	19.27	19.69	19.26		
15	256QAM	75	0	19.16	18.94	18.97	19.33	18.99	21.3	0
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.37	20.22	20.11	20.08	20.12	21.3	0
10	QPSK	1	25	20.24	20.44	20.28	20.29	20.36		
10	QPSK	1	49	20.26	20.37	20.14	20.08	20.21		
10	QPSK	25	0	20.16	20.21	20.13	20	20.14	21.3	0
10	QPSK	25	12	20.21	20.35	20.26	20.21	20.36		
10	QPSK	25	25	20.17	20.35	20.14	20.16	20.22		
10	QPSK	50	0	20.09	20.26	20.18	20.1	20.14	21.3	0
10	16QAM	1	0	20.14	20.01	19.9	19.9	20.13		
10	16QAM	1	25	20.02	20.16	20.13	20.08	20.22		
10	16QAM	1	49	19.99	19.93	19.81	19.82	20.06	21.3	0
10	16QAM	25	0	19.93	19.88	19.91	19.86	19.93		
10	16QAM	25	12	19.92	20.2	19.96	20.09	20.16		
10	16QAM	25	25	19.84	20.12	19.9	19.9	20.09	21.3	0
10	16QAM	50	0	19.88	20.1	19.93	19.95	19.95		
10	64QAM	1	0	20.07	20.00	19.82	19.80	19.90		
10	64QAM	1	25	20.13	20.17	19.94	20.01	20.23	21.3	0
10	64QAM	1	49	20.05	19.97	19.90	19.85	20.00		
10	64QAM	25	0	19.97	20.09	19.84	19.92	20.02		
10	64QAM	25	12	20.00	20.25	20.08	20.11	20.15	21.3	0
10	64QAM	25	25	20.05	20.09	19.85	19.97	20.14		
10	64QAM	50	0	19.92	20.11	20.00	19.99	19.96		
10	256QAM	1	0	19.44	19.50	19.24	19.55	19.38	20.3	1
10	256QAM	1	25	19.58	19.62	19.54	19.52	19.52		
10	256QAM	1	49	19.57	19.19	19.57	19.31	19.29		
10	256QAM	25	0	19.40	19.30	19.37	19.52	19.28	20.3	1
10	256QAM	25	12	19.39	19.62	19.37	19.48	19.39		
10	256QAM	25	25	19.26	19.23	19.15	19.41	19.24		
10	256QAM	50	0	19.27	19.11	19.07	19.28	19.14	21.3	0
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.22	20.42	20.31	20.27	20.31	21.3	0
5	QPSK	1	12	20.19	20.44	20.35	20.28	20.45		
5	QPSK	1	24	20.28	20.48	20.27	20.36	20.34		
5	QPSK	12	0	20.18	20.32	20.14	20.17	20.31	21.3	0
5	QPSK	12	7	20.21	20.44	20.28	20.28	20.31		
5	QPSK	12	13	20.16	20.36	20.26	20.13	20.28		
5	QPSK	25	0	20.16	20.32	20.23	20.11	20.31	21.3	0
5	16QAM	1	0	20.05	20.15	20.01	19.97	20.19		
5	16QAM	1	12	19.93	20.19	20.10	20.01	20.14		
5	16QAM	1	24	20.10	20.23	20.10	20.14	20.16	21.3	0
5	16QAM	12	0	19.98	20.14	19.90	19.94	20.11		
5	16QAM	12	7	19.98	20.11	20.01	20.03	20.08		
5	16QAM	12	13	19.90	20.14	20.01	19.98	20.09	21.3	0
5	16QAM	25	0	19.94	20.14	20.00	20.01	20.14		
5	64QAM	1	0	20.00	20.17	19.98	19.86	20.06		
5	64QAM	1	12	20.04	20.18	19.98	19.87	20.14	21.3	0
5	64QAM	1	24	20.06	20.08	20.08	19.84	20.15		
5	64QAM	12	0	19.98	20.19	19.96	19.99	20.17		
5	64QAM	12	7	20.10	20.24	20.10	20.04	20.22	21.3	0
5	64QAM	12	13	19.95	20.13	20.03	20.00	20.09		
5	64QAM	25	0	19.98	20.13	20.04	20.05	20.08		
5	256QAM	1	0	19.50	19.45	19.50	19.48	19.52	20.3	1
5	256QAM	1	12	19.56	19.48	19.45	19.51	19.45		
5	256QAM	1	24	19.46	19.48	19.40	19.41	19.21		
5	256QAM	12	0	19.52	19.37	19.30	19.49	19.36	20.3	1
5	256QAM	12	7	19.55	19.32	19.33	19.33	19.35		
5	256QAM	12	13	19.55	19.33	19.36	19.22	19.36		
5	256QAM	25	0	19.47	18.97	19.30	19.23	19.23	20.3	1

Reduced power for Sensor on-LAT

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		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	22.63	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	15.66	15.99	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		9562	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	19.76	20.80	19.85	20.01	19.94	20.80
3GPP Rel 6	HSDPA Subtest-1	18.74	18.89	18.79	19.80	18.87	18.98	18.99	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	18.69	18.07	18.67	19.80	18.81	19.01	18.82	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	16.81	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	16.82	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 ECT			Tune-up Limit (dBm)
	25	603	1175	
TX Channel	1851.25	1880	1908.75	
RC1 S065	19.26	19.25	19.36	20.30
RC3 S065	19.24	19.24	19.35	20.30
RC3 S032 (F+SCH)	19.23	19.24	19.34	20.30
RC3 S032 (F+SCH)	19.23	19.23	19.32	20.30
RTAP 153 dBm/s	19.21	19.22	19.32	20.30
RETAP 4068dB/s	19.19	19.20	19.31	20.30

LTE BAND 7

Table with columns: EUTRA Modulation, RB Size, RB Offset, Power, Power, Power, Time-up limit, MPR. Includes sub-headers for Channel Frequency (MHz), Channel, and Channel.

LTE BAND 7

Table with columns: EUTRA Modulation, RB Size, RB Offset, Power, Power, Power, Time-up limit, MPR. Includes sub-headers for Channel Frequency (MHz), Channel, and Channel.

LTE BAND 7

Table with columns: EUTRA Modulation, RB Size, RB Offset, Power, Power, Power, Time-up limit, MPR. Includes sub-headers for Channel Frequency (MHz), Channel, and Channel.

LTE Band 38

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel								
Frequency (MHz)								
				2560	2595	2610		
20	QPSK	1	0	18.84	18.75	18.61	19.8	0
20	QPSK	1	49	18.83	18.58	18.70		
20	QPSK	1	99	18.93	18.62	18.66		
20	QPSK	50	0	18.71	18.44	18.52		
20	QPSK	50	24	18.79	18.54	18.54	19.8	0
20	QPSK	50	50	18.83	18.58	18.63		
20	QPSK	100	0	18.82	18.58	18.69		
20	16QAM	1	0	18.64	18.38	18.52		
20	16QAM	1	49	18.30	18.41	18.47	19.8	0
20	16QAM	1	99	18.40	18.41	18.35		
20	16QAM	50	0	18.49	18.29	18.38		
20	16QAM	50	24	18.58	18.31	18.44		
20	16QAM	50	50	18.59	18.37	18.46	19.8	0
20	16QAM	100	0	18.61	18.58	18.65		
20	64QAM	1	0	18.60	18.48	18.52		
20	64QAM	1	49	18.66	18.50	18.59		
20	64QAM	1	99	18.63	18.45	18.57	19.8	0
20	64QAM	50	0	18.74	18.48	18.63		
20	64QAM	50	24	18.80	18.66	18.82		
20	64QAM	50	50	18.83	18.60	18.70		
20	64QAM	100	0	18.80	18.52	18.66	19.8	0
20	256QAM	1	0	18.00	17.71	17.80		
20	256QAM	1	49	17.82	17.94	18.04		
20	256QAM	1	99	18.01	17.58	18.00		
20	256QAM	50	0	17.77	17.90	17.94	19.8	0
20	256QAM	50	24	17.83	17.98	18.07		
20	256QAM	50	50	17.75	17.97	17.92		
20	256QAM	100	0	17.69	17.86	17.82		
Channel								
Frequency (MHz)								
				27825	28000	28175		
15	QPSK	1	0	18.61	18.32	18.42	19.8	0
15	QPSK	1	37	18.53	18.28	18.39		
15	QPSK	1	74	18.47	18.35	18.42		
15	QPSK	36	0	18.51	18.23	18.38		
15	QPSK	36	20	18.66	18.36	18.52	19.8	0
15	QPSK	36	39	18.60	18.27	18.43		
15	QPSK	75	0	18.55	18.30	18.41		
15	16QAM	1	0	18.57	18.44	18.46		
15	16QAM	1	37	18.66	18.27	18.45	19.8	0
15	16QAM	1	74	18.62	18.42	18.60		
15	16QAM	36	0	18.45	18.18	18.38		
15	16QAM	36	20	18.58	18.31	18.42		
15	16QAM	36	39	18.57	18.30	18.45	19.8	0
15	16QAM	75	0	18.52	18.33	18.44		
15	64QAM	1	0	18.41	18.24	18.25		
15	64QAM	1	37	18.51	18.16	18.27		
15	64QAM	1	74	18.35	18.16	18.22	19.8	0
15	64QAM	36	0	18.73	18.56	18.70		
15	64QAM	36	20	18.53	18.64	18.83		
15	64QAM	36	39	18.52	18.67	18.79		
15	64QAM	75	0	18.34	18.56	18.75	19.8	0
15	256QAM	1	0	17.88	17.74	17.84		
15	256QAM	1	37	18.11	17.95	17.96		
15	256QAM	1	74	17.89	17.79	17.89		
15	256QAM	36	0	17.97	18.03	17.79	19.8	1
15	256QAM	36	20	18.03	18.22	17.88		
15	256QAM	36	39	17.97	17.88	17.85		
15	256QAM	75	0	17.92	17.79	17.83		
Channel								
Frequency (MHz)								
				37800	38000	38200		
10	QPSK	1	0	18.23	18.34	18.52	19.8	0
10	QPSK	1	25	18.59	18.43	18.48		
10	QPSK	1	49	18.38	18.37	18.38		
10	QPSK	25	0	18.54	18.34	18.49		
10	QPSK	25	12	18.79	18.48	18.66	19.8	0
10	QPSK	25	25	18.67	18.46	18.57		
10	QPSK	50	0	18.68	18.30	18.54		
10	16QAM	1	0	18.52	18.55	18.60		
10	16QAM	1	25	18.78	18.49	18.56	19.8	0
10	16QAM	1	49	18.47	18.46	18.49		
10	16QAM	25	0	18.51	18.40	18.43		
10	16QAM	25	12	18.82	18.53	18.70		
10	16QAM	25	25	18.64	18.45	18.59	19.8	0
10	16QAM	50	0	18.75	18.35	18.58		
10	64QAM	1	0	18.16	18.26	18.16		
10	64QAM	1	25	18.56	18.57	18.66		
10	64QAM	1	49	18.21	18.16	18.23	19.8	0
10	64QAM	25	0	18.56	18.36	18.55		
10	64QAM	25	12	18.80	18.59	18.65		
10	64QAM	25	25	18.78	18.48	18.65		
10	64QAM	50	0	18.73	18.30	18.54	19.8	0
10	256QAM	1	0	17.94	17.70	17.74		
10	256QAM	1	25	17.85	17.86	18.06		
10	256QAM	1	49	17.72	17.74	18.15		
10	256QAM	25	0	17.96	17.85	17.89	19.8	1
10	256QAM	25	12	17.75	18.03	17.90		
10	256QAM	25	25	17.87	17.69	17.80		
10	256QAM	50	0	17.62	17.64	17.54		
Channel								
Frequency (MHz)								
				37775	38000	38225		
5	QPSK	1	0	18.59	18.31	18.42	19.8	0
5	QPSK	1	12	18.65	18.47	18.59		
5	QPSK	1	24	18.54	18.41	18.47		
5	QPSK	12	0	18.69	18.46	18.53		
5	QPSK	12	7	18.80	18.52	18.60	19.8	0
5	QPSK	12	13	18.75	18.48	18.66		
5	QPSK	25	0	18.69	18.44	18.63		
5	16QAM	1	0	18.77	18.45	18.62		
5	16QAM	1	12	18.80	18.51	18.79	19.8	0
5	16QAM	1	24	18.70	18.33	18.75		
5	16QAM	12	0	18.67	18.36	18.62		
5	16QAM	12	7	18.72	18.43	18.73		
5	16QAM	12	13	18.72	18.48	18.65	19.8	0
5	16QAM	25	0	18.72	18.44	18.69		
5	64QAM	1	0	18.40	18.22	18.32		
5	64QAM	1	12	18.58	18.27	18.42		
5	64QAM	1	24	18.57	18.24	18.38	19.8	0
5	64QAM	12	0	18.68	18.43	18.57		
5	64QAM	12	7	18.80	18.45	18.78		
5	64QAM	12	13	18.75	18.52	18.70		
5	64QAM	25	0	18.75	18.46	18.73	19.8	0
5	256QAM	1	0	17.89	17.69	17.74		
5	256QAM	1	12	17.82	17.91	17.93		
5	256QAM	1	24	18.01	17.54	17.93		
5	256QAM	12	0	18.01	17.97	17.84	19.8	1
5	256QAM	12	7	17.89	18.02	17.91		
5	256QAM	12	13	17.92	17.82	17.82		
5	256QAM	25	0	17.99	18.03	18.46		

LTE Band 41

BW [MHz]	Modulation	RB Size	RB Offset	Power					Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.		
Channel										
Frequency (MHz)										
				39750	40185	40620	41055	41490		
20	QPSK	1	0	18.98	18.94	18.73	18.73	18.67	19.8	0
20	QPSK	1	49	18.85	19.06	18.98	18.90	19.06		
20	QPSK	1	99	18.96	18.06	19.09	18.91	18.94		
20	QPSK	50	0	18.85	19.03	18.90	18.98	19.05		
20	QPSK	50	24	19.00	19.02	19.06	18.93	19.00	19.8	0
20	QPSK	50	50	18.98	19.02	18.98	18.98	19.05		
20	QPSK	100	0	18.98	18.97	19.00	18.84	18.98		
20	16QAM	1	0	19.04	19.02	18.68	18.82	18.86		
20	16QAM	1	49	18.84	18.89	19.03	18.97	19.00	19.8	0
20	16QAM	1	99	18.97	19.01	18.74	18.65	19.07		
20	16QAM	50	0	18.55	18.54	18.37	18.40	18.46		
20	16QAM	50	24	18.53	18.71	18.46	18.45	18.58		
20	16QAM	50	50	18.46	18.71	18.58	18.38	18.67	19.8	0
20	16QAM	100	0	18.44	18.58	18.45	18.36	18.53		
20	64QAM	1	0	18.41	18.36	18.12	18.20	18.10		
20	64QAM	1	49	18.29	18.46	18.37	18.22	18.48		
20	64QAM	1	99	18.30	18.56	18.10	18.09	18.36	19.8	0
20	64QAM	50	0	18.37	18.32	18.17	18.20	18.29		
20	64QAM	50	24	18.34	18.46	18.25	18.24	18.48		
20	64QAM	50	50	18.20	18.42	18.26	18.19	18.56		
20	64QAM	100	0	18.24	18.34	18.27	18.12	18.37	19.8	1
20	256QAM	1	0	17.79	17.84	18.03	17.70	17.69		
20	256QAM	1	49	18.10	18.00	17.99	17.99	17.98		
20	256QAM	1	99	17.86	18.06	17.87	17.83	17.85		
20	256QAM	50	0	18.18	17.92	17.95	17.95	17.85	19.8	1
20	256QAM	50	24	18.18	18.04	17.90	18.15	18.14		
20	256QAM	50	50	17.90	17.97	17.84	17.98	18.11		
20	256QAM	100	0	17.88	17.76	17.68	17.74	17.92		
Channel										
Frequency (MHz)										
				2118	40173	40620	41068	41516		
15	QPSK	1	0	18.82	18.73	18.74	18.72	18.78	19.8	0
15	QPSK	1	37	18.82	18.99	18.87	18.87	18.99		
15	QPSK	1	74	18.84	18.74	18.70	18.71	19.01		
15	QPSK	36	0	18.96	19.01	18.82	18.88	18.97		
15	QPSK	36	20	18.99	19.03	19.01	18.93	19.01	19.8	0
15	QPSK	36	39	18.94	18.98	18.89	18.91	19.00		
15	QPSK	75	0	18.92	19.05	19.00	18.93	19.04		
15	16QAM	1	0	19.03	18.89	18.90	18.90	18.83		
15	16QAM	1	37	18.79	19.08	18.98	18.94	18.96	19.8	0
15	16QAM	1	74	18.02	18.94	18.86	18.86	18.99		
15	16QAM	36	0	18.40	18.51	18.34	18.53	18.42		
15	16QAM	36	20	18.46	18.64	18.49	18.47	18.52		
15	16QAM	36	39	18.37	18.50	18.40	18.37	18.65	19.8	0
15	16QAM	75	0	18.40	18.59	18.45	18.48	18.52		
15										

LTE Band 41HPUE										Tune-up limit (dBm)	MPR (dB)
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.	Power High Ch. / Freq.	Power High Ch. / Freq.		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2566	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.47	21.41	21.37	21.37	21.39	22.3	0	
20	QPSK	1	49	21.46	21.44	21.59	21.46	21.45			
20	QPSK	1	99	21.42	21.43	21.18	21.17	21.40			
20	QPSK	50	0	21.46	21.47	21.36	21.43	21.44			
20	QPSK	50	24	21.48	21.50	21.54	21.48	21.52	22.3	0	
20	QPSK	50	50	21.39	21.42	21.41	21.43	21.36			
20	QPSK	100	0	21.47	21.38	21.49	21.41	21.39			
20	16QAM	1	0	21.40	21.39	21.15	21.13	21.26			
20	16QAM	1	49	21.30	21.32	21.37	21.32	21.37	22.3	0	
20	16QAM	1	99	21.35	21.37	21.06	21.03	21.40			
20	16QAM	50	0	21.09	21.38	21.06	21.16	21.26			
20	16QAM	50	24	21.21	21.32	21.18	21.18	21.38			
20	16QAM	50	50	21.22	21.32	21.23	21.15	21.37	22.3	0	
20	16QAM	100	0	21.15	21.24	21.21	21.16	21.30			
20	64QAM	1	0	21.38	21.34	21.17	21.22	21.12			
20	64QAM	1	49	21.30	21.34	21.28	21.24	21.32			
20	64QAM	1	99	21.28	21.35	20.96	21.05	21.36	22.3	0	
20	64QAM	50	0	21.25	21.39	21.09	21.16	21.25			
20	64QAM	50	24	21.32	21.47	21.23	21.22	21.38			
20	64QAM	50	50	21.24	21.41	21.28	21.18	21.46			
20	64QAM	100	0	21.21	21.28	21.22	21.19	21.32	20.8	1.5	
20	256QAM	1	0	19.88	19.54	19.28	19.28	19.42			
20	256QAM	1	49	19.63	19.78	19.59	19.67	19.47			
20	256QAM	1	99	19.88	19.44	19.70	19.48	19.43			
20	256QAM	50	0	19.10	19.08	19.04	19.45	19.48	20.8	1.5	
20	256QAM	50	24	19.19	19.31	19.02	19.18	19.17			
20	256QAM	50	50	19.28	19.16	19.24	19.29	19.16			
20	256QAM	100	0	19.10	19.06	19.00	19.38	19.13			
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	20.65	20.69	20.67	20.68	20.63	22.3	0	
15	QPSK	1	37	20.75	20.73	20.66	20.64	20.53			
15	QPSK	1	74	20.77	20.75	20.68	20.66	20.68			
15	QPSK	36	0	21.27	21.27	21.13	21.21	21.30			
15	QPSK	36	20	21.25	21.41	21.33	21.28	21.38	22.3	0	
15	QPSK	36	38	21.26	21.35	21.22	21.22	21.34			
15	QPSK	75	0	21.29	21.38	21.24	21.25	21.35			
15	16QAM	1	0	21.35	21.38	21.21	21.36	21.33			
15	16QAM	1	37	21.34	21.35	21.39	21.39	21.40	22.3	0	
15	16QAM	1	74	21.38	21.33	21.37	21.19	21.32			
15	16QAM	36	0	21.25	21.25	21.10	21.10	21.28			
15	16QAM	36	20	21.27	21.33	21.28	21.21	21.29			
15	16QAM	36	39	21.19	21.36	21.18	21.15	21.39	22.3	0	
15	16QAM	75	0	21.15	21.31	21.24	21.24	21.28			
15	64QAM	1	0	21.32	21.28	21.07	21.10	21.18			
15	64QAM	1	37	21.19	21.32	21.34	21.36	21.39			
15	64QAM	1	74	21.30	21.18	21.24	21.06	21.34	22.3	0	
15	64QAM	36	0	21.23	21.34	21.17	21.21	21.24			
15	64QAM	36	20	21.28	21.42	21.31	21.31	21.35			
15	64QAM	36	39	21.25	21.37	21.24	21.28	21.42			
15	64QAM	75	0	21.16	21.42	21.24	21.18	21.29	20.8	1.5	
15	256QAM	1	0	19.30	19.27	19.23	19.45	19.23			
15	256QAM	1	37	19.54	19.27	19.43	19.32	19.48			
15	256QAM	1	74	19.56	19.15	19.39	19.54	19.17			
15	256QAM	36	0	19.90	19.17	19.26	19.23	19.15	20.8	1.5	
15	256QAM	36	20	19.44	19.42	19.20	19.34	19.22			
15	256QAM	36	39	19.35	19.26	19.15	19.57	19.14			
15	256QAM	75	0	19.04	18.82	18.85	19.21	18.87			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	20.65	20.5	20.39	20.36	20.4	22.3	0	
10	QPSK	1	25	20.52	20.72	20.56	20.57	20.64			
10	QPSK	1	49	20.54	20.65	20.42	20.34	20.49			
10	QPSK	25	0	21.07	21.12	21.04	20.91	21.05			
10	QPSK	25	12	21.12	21.26	21.17	21.12	21.27	22.3	0	
10	QPSK	25	25	21.08	21.26	21.05	21.07	21.13			
10	QPSK	50	0	21	21.17	21.09	21.01	21.05			
10	16QAM	1	0	21.3	21.17	21.06	21.06	21.29			
10	16QAM	1	25	21.18	21.32	21.29	21.24	21.38	22.3	0	
10	16QAM	1	49	21.15	21.09	20.97	20.98	21.22			
10	16QAM	25	0	21.07	21.02	21.05	21	21.07			
10	16QAM	25	12	21.06	21.34	21.1	21.23	21.3			
10	16QAM	25	25	20.98	21.26	21.04	21.04	21.23	22.3	0	
10	16QAM	50	0	21.02	21.24	21.07	21.09	21.09			
10	64QAM	1	0	21.21	21.14	20.96	20.94	21.04			
10	64QAM	1	25	21.27	21.31	21.08	21.15	21.37			
10	64QAM	1	49	21.19	21.11	21.04	20.99	21.14	22.3	0	
10	64QAM	25	0	21.11	21.23	20.98	21.06	21.16			
10	64QAM	25	12	21.14	21.39	21.22	21.25	21.29			
10	64QAM	25	25	21.19	21.23	20.99	21.11	21.28			
10	64QAM	50	0	21.06	21.25	21.14	21.13	21.10	20.8	1.5	
10	256QAM	1	0	19.32	19.38	19.22	19.43	19.26			
10	256QAM	1	25	19.46	19.40	19.42	19.40	19.48			
10	256QAM	1	49	19.45	19.07	19.45	19.19	19.17			
10	256QAM	25	0	19.28	19.18	19.25	19.40	19.14	20.8	1.5	
10	256QAM	25	12	19.27	19.50	19.25	19.36	19.27			
10	256QAM	25	25	19.14	19.11	19.03	19.29	19.12			
10	256QAM	50	0	19.15	18.99	18.95	19.16	19.02			
Channel				39675	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2496.5	2546.8	2593	2640.30	2687.5			
5	QPSK	1	0	20.50	20.70	20.59	20.55	20.59	22.3	0	
5	QPSK	1	12	20.47	20.72	20.63	20.56	20.73			
5	QPSK	1	24	20.56	20.76	20.55	20.64	20.62			
5	QPSK	12	0	21.09	21.23	21.05	21.08	21.22			
5	QPSK	12	7	21.12	21.35	21.19	21.19	21.22	22.3	0	
5	QPSK	12	13	21.07	21.27	21.17	21.04	21.19			
5	QPSK	25	0	21.07	21.23	21.14	21.02	21.22			
5	16QAM	1	0	21.21	21.31	21.17	21.13	21.35			
5	16QAM	1	12	21.09	21.35	21.26	21.17	21.30	22.3	0	
5	16QAM	1	24	21.28	21.39	21.26	21.30	21.32			
5	16QAM	12	0	21.12	21.28	21.04	21.08	21.25			
5	16QAM	12	7	21.12	21.25	21.15	21.17	21.20			
5	16QAM	12	13	21.04	21.28	21.15	21.12	21.23	22.3	0	
5	16QAM	25	0	21.08	21.28	21.14	21.15	21.28			
5	64QAM	1	0	21.14	21.31	21.10	21.00	21.20			
5	64QAM	1	12	21.18	21.32	21.12	21.01	21.28			
5	64QAM	1	24	21.20	21.22	21.22	20.98	21.29	22.3	0	
5	64QAM	12	0	21.12	21.33	21.10	21.13	21.31			
5	64QAM	12	7	21.24	21.38	21.24	21.18	21.36			
5	64QAM	12	13	21.09	21.27	21.17	21.14	21.23			
5	64QAM	25	0	21.10	21.27	21.18	21.19	21.22	20.8	1.5	
5	256QAM	1	0	19.38	19.33	19.38	19.38	19.40			
5	256QAM	1	12	19.44	19.36	19.33	19.39	19.33			
5	256QAM	1	24	19.34	19.36	19.28	19.29	19.09			
5	256QAM	12	0	19.40	19.25	19.18	19.37	19.24	20.8	1.5	
5	256QAM	12	7	19.43	19.20	19.21	19.21	19.23			
5	256QAM	12	13	19.43	19.21	19.24	19.10	19.24			
5	256QAM	25	0	19.35	18.85	19.18	19.11	19.11			

Full Power for Head-UAT(EN-DC)

LTE Band 2

Table with columns: EUTRA, Modulation, RB Size, RB Offset, Power, Power, Power, Frequency, MPR, MPR. Contains data for LTE Band 2 across various channels and frequencies.

LTE Band 5

Table with columns: EUTRA, Modulation, RB Size, RB Offset, Power, Power, Power, Frequency, MPR, MPR. Contains data for LTE Band 5 across various channels and frequencies.

LTE Band 12

Table with columns: EUTRA, Modulation, RB Size, RB Offset, Power, Power, Power, Frequency, MPR, MPR. Contains data for LTE Band 12 across various channels and frequencies.

LTE Band 13

Table with columns: E-UTRA, Modulation, RB Set, RB Offset, Power, Power, Power, Time-avg, MPR. Contains data for LTE Band 13 across various modulation schemes and RB sets.

LTE Band 13 PC

Table with columns: E-UTRA, Modulation, RB Set, RB Offset, Power, Power, Power, Time-avg, MPR. Contains data for LTE Band 13 PC across various modulation schemes and RB sets.

LTE Band 6

Table with columns: E-UTRA, Modulation, RB Set, RB Offset, Power, Power, Power, Time-avg, MPR. Contains data for LTE Band 6 across various modulation schemes and RB sets.

Reduced Power for Head LATE(ENOC)

LTE Band 2													
Carrier	Modulation	RB Size	RB Offset	Power Low (W)	Power High (W)	Power Max (W)	Power Min (W)	Power Avg (W)	Power Peak (W)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)
Carrier	Modulation	RB Size	RB Offset	Power Low (W)	Power High (W)	Power Max (W)	Power Min (W)	Power Avg (W)	Power Peak (W)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)
10	QPSK	1	0	10.00	10.00	10.14				10.0	0		
10	QPSK	1	48	9.92	10.00	10.06				10.0	0		
10	QPSK	1	96	9.84	10.00	9.94				10.0	0		
10	QPSK	50	0	9.76	9.74	9.78				10.0	0		
10	QPSK	50	24	9.68	9.62	9.67				10.0	0		
10	QPSK	100	0	9.60	9.55	9.57				10.0	0		
10	QPSK	100	24	9.52	9.45	9.49				10.0	0		
10	QPSK	1	0	9.44	9.45	9.46				10.0	0		
10	QPSK	1	48	9.36	9.35	9.35				10.0	0		
10	QPSK	1	96	9.28	9.25	9.27				10.0	0		
10	QPSK	50	0	9.20	9.16	9.18				10.0	0		
10	QPSK	50	24	9.12	9.05	9.09				10.0	0		
10	QPSK	100	0	9.04	8.96	8.97				10.0	0		
10	QPSK	100	24	8.96	8.85	8.91				10.0	0		
10	QPSK	1	0	8.88	8.85	8.86				10.0	0		
10	QPSK	1	48	8.80	8.76	8.78				10.0	0		
10	QPSK	1	96	8.72	8.67	8.70				10.0	0		
10	QPSK	50	0	8.64	8.58	8.61				10.0	0		
10	QPSK	50	24	8.56	8.45	8.51				10.0	0		
10	QPSK	100	0	8.48	8.38	8.43				10.0	0		
10	QPSK	100	24	8.40	8.25	8.33				10.0	0		
10	QPSK	1	0	8.32	8.25	8.29				10.0	0		
10	QPSK	1	48	8.24	8.15	8.20				10.0	0		
10	QPSK	1	96	8.16	8.05	8.11				10.0	0		
10	QPSK	50	0	8.08	7.95	8.02				10.0	0		
10	QPSK	50	24	8.00	7.85	7.93				10.0	0		
10	QPSK	100	0	7.92	7.77	7.77				10.0	0		
10	QPSK	100	24	7.84	7.65	7.75				10.0	0		

LTE Band 3													
Carrier	Modulation	RB Size	RB Offset	Power Low (W)	Power High (W)	Power Max (W)	Power Min (W)	Power Avg (W)	Power Peak (W)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)
Carrier	Modulation	RB Size	RB Offset	Power Low (W)	Power High (W)	Power Max (W)	Power Min (W)	Power Avg (W)	Power Peak (W)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)
10	QPSK	1	0	14.92	14.93	14.75				15.0	0		
10	QPSK	1	24	14.85	14.84	14.84				15.0	0		
10	QPSK	1	48	14.78	14.69	14.80				15.0	0		
10	QPSK	50	0	14.70	14.71	14.72				15.0	0		
10	QPSK	50	24	14.63	14.50	14.57				15.0	0		
10	QPSK	100	0	14.55	14.52	14.54				15.0	0		
10	QPSK	100	24	14.48	14.29	14.34				15.0	0		
10	QPSK	1	0	14.40	14.39	14.34				15.0	0		
10	QPSK	1	48	14.33	14.25	14.29				15.0	0		
10	QPSK	1	96	14.26	14.15	14.21				15.0	0		
10	QPSK	50	0	14.18	14.16	14.20				15.0	0		
10	QPSK	50	24	14.11	13.90	13.99				15.0	0		
10	QPSK	100	0	14.03	13.93	13.96				15.0	0		
10	QPSK	100	24	13.96	13.71	13.77				15.0	0		
10	QPSK	1	0	13.88	13.85	13.87				15.0	0		
10	QPSK	1	48	13.81	13.70	13.76				15.0	0		
10	QPSK	1	96	13.74	13.60	13.67				15.0	0		
10	QPSK	50	0	13.66	13.59	13.63				15.0	0		
10	QPSK	50	24	13.59	13.34	13.40				15.0	0		
10	QPSK	100	0	13.51	13.40	13.45				15.0	0		
10	QPSK	100	24	13.44	13.15	13.25				15.0	0		
10	QPSK	1	0	13.36	13.33	13.35				15.0	0		
10	QPSK	1	48	13.29	13.15	13.21				15.0	0		
10	QPSK	1	96	13.22	13.05	13.14				15.0	0		
10	QPSK	50	0	13.14	13.03	13.09				15.0	0		
10	QPSK	50	24	13.07	12.77	12.87				15.0	0		
10	QPSK	100	0	12.99	12.85	12.90				15.0	0		
10	QPSK	100	24	12.92	12.59	12.69				15.0	0		
10	QPSK	1	0	12.84	12.79	12.83				15.0	0		
10	QPSK	1	48	12.77	12.60	12.69				15.0	0		
10	QPSK	1	96	12.70	12.50	12.59				15.0	0		
10	QPSK	50	0	12.62	12.53	12.58				15.0	0		
10	QPSK	50	24	12.55	12.22	12.32				15.0	0		
10	QPSK	100	0	12.47	12.33	12.39				15.0	0		
10	QPSK	100	24	12.40	12.03	12.15				15.0	0		
10	QPSK	1	0	12.32	12.25	12.30				15.0	0		
10	QPSK	1	48	12.25	12.05	12.15				15.0	0		
10	QPSK	1	96	12.18	11.95	12.07				15.0	0		
10	QPSK	50	0	12.10	11.97	12.04				15.0	0		
10	QPSK	50	24	12.03	11.70	11.80				15.0	0		
10	QPSK	100	0	11.95	11.79	11.87				15.0	0		
10	QPSK	100	24	11.88	11.48	11.62				15.0	0		
10	QPSK	1	0	11.80	11.70	11.75				15.0	0		
10	QPSK	1	48	11.73	11.50	11.63				15.0	0		
10	QPSK	1	96	11.66	11.40	11.53				15.0	0		
10	QPSK	50	0	11.58	11.43	11.51				15.0	0		
10	QPSK	50	24	11.51	11.14	11.26				15.0	0		
10	QPSK	100	0	11.43	11.24	11.34				15.0	0		
10	QPSK	100	24	11.36	10.93	11.09				15.0	0		
10	QPSK	1	0	11.28	11.15	11.22				15.0	0		
10	QPSK	1	48	11.21	10.95	11.08				15.0	0		
10	QPSK	1	96	11.14	10.85	10.99				15.0	0		
10	QPSK	50	0	11.06	10.89	10.98				15.0	0		
10	QPSK	50	24	10.99	10.58	10.74				15.0	0		
10	QPSK	100	0	10.91	10.70	10.81				15.0	0		
10	QPSK	100	24	10.84	10.39	10.57				15.0	0		
10	QPSK	1	0	10.76	10.60	10.68				15.0	0		
10	QPSK	1	48	10.69	10.40	10.54				15.0	0		
10	QPSK	1	96	10.62	10.30	10.45				15.0	0		
10	QPSK	50	0	10.54	10.35	10.45				15.0	0		
10	QPSK	50	24	10.47	10.02	10.20				15.0	0		
10	QPSK	100	0	10.39	10.17	10.28				15.0	0		
10	QPSK	100	24	10.32	9.83	10.03				15.0	0		
10	QPSK	1	0	10.24	10.05	10.15				15.0	0		
10	QPSK	1	48	10.17	9.85	9.99				15.0	0		
10	QPSK	1	96	10.10	9.75	9.90				15.0	0		
10	QPSK	50	0	10.02	9.80	9.91				15.0	0		
10	QPSK	50	24	9.95	9.43	9.63				15.0	0		
10	QPSK	100	0	9.87	9.63	9.76				15.0	0		
10	QPSK	100	24	9.80	9.27	9.47				15.0	0		
10	QPSK	1	0	9.72	9.50	9.61				15.0	0		
10	QPSK	1	48	9.65	9.29	9.48				15.0	0		
10	QPSK	1	96	9.58	9.19	9.39				15.0	0		
10	QPSK	50	0	9.50	9.25	9.38				15.0	0		
10	QPSK	50	24										

LTE Band 26 FCC

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Low PFC, Peak Power, Power Spectral Density, Time-up time (dBm), MPR (dB). It lists various channel configurations and their parameters.

LTE Band 6

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Low PFC, Peak Power, Power Spectral Density, Time-up time (dBm), MPR (dB). It lists various channel configurations and their parameters.

Reduced Power for Hotspot on -UAT(EN-DC)

LTE Band 2									
SV (MHz)	Modulation	RB Size	RB Offset	Power Line 1800	Power Line 1850	Power Line 1910	Power Line 1950	Frequency (MHz)	MPR (dB)
20	QPSK	1	0	11.90	11.93	11.94			
20	QPSK	1	49	11.94	11.91	11.90		12.3	0
20	QPSK	1	99	11.94	11.96	11.94			
20	QPSK	50	0	11.90	11.94	11.90			
20	QPSK	50	24	11.91	11.92	11.91		12.3	0
20	QPSK	50	50	11.90	11.93	11.90			
20	QPSK	100	0	11.90	11.92	11.91			
20	SCDMA	1	49	11.92	11.91	11.91		12.3	0
20	SCDMA	1	99	11.94	11.90	11.92			
20	SCDMA	50	0	11.90	11.90	11.92			
20	SCDMA	50	24	11.91	11.92	11.90		12.3	0
20	SCDMA	50	50	11.91	11.90	11.92			
20	SCDMA	100	0	11.92	11.90	11.93			
20	SCDMA	1	0	11.92	11.90	11.93		12.3	0
20	SCDMA	1	49	11.94	11.93	11.90			
20	SCDMA	50	0	11.92	11.92	11.94			
20	SCDMA	50	24	11.90	11.90	11.94		12.3	0
20	SCDMA	50	50	11.90	11.90	11.94			
20	SCDMA	100	0	11.90	11.92	11.92			
20	SCDMA	1	49	11.94	11.94	11.90		12.3	0
20	SCDMA	1	99	11.92	11.92	11.90			
20	SCDMA	50	0	11.91	11.90	11.92			
20	SCDMA	50	24	11.90	11.90	11.92		12.3	0
20	SCDMA	50	50	11.90	11.90	11.92			
20	SCDMA	100	0	11.91	11.91	11.91			
Channel									
Channel	1800	1850	1910	1950	Frequency (MHz)	MPR (dB)			
Frequency (MHz)	1800	1850	1910	1950					
15	QPSK	1	0	11.92	11.92	11.92			
15	QPSK	1	37	11.93	11.91	11.92		12.3	0
15	QPSK	1	74	11.94	11.90	11.90			
15	QPSK	50	0	11.91	11.90	11.94			
15	QPSK	50	20	11.92	11.90	11.92		12.3	0
15	QPSK	50	50	11.90	11.90	11.94			
15	SCDMA	1	0	11.90	11.92	11.92			
15	SCDMA	1	49	11.94	11.94	11.90		12.3	0
15	SCDMA	1	74	11.95	11.90	11.90			
15	SCDMA	50	0	11.91	11.90	11.92			
15	SCDMA	50	20	11.90	11.90	11.92		12.3	0
15	SCDMA	50	50	11.90	11.90	11.92			
15	SCDMA	100	0	11.92	11.90	11.93			
15	SCDMA	1	37	11.92	11.90	11.93		12.3	0
15	SCDMA	1	74	11.93	11.90	11.90			
15	SCDMA	50	0	11.90	11.90	11.92			
15	SCDMA	50	20	11.90	11.90	11.92		12.3	0
15	SCDMA	50	50	11.90	11.90	11.92			
15	SCDMA	100	0	11.90	11.90	11.92			
15	SCDMA	1	37	11.92	11.90	11.93		12.3	0
15	SCDMA	1	74	11.93	11.90	11.90			
15	SCDMA	50	0	11.90	11.90	11.92			
15	SCDMA	50	20	11.90	11.90	11.92		12.3	0
15	SCDMA	50	50	11.90	11.90	11.92			
15	SCDMA	100	0	11.90	11.90	11.92			
15	SCDMA	1	37	11.92	11.90	11.93		12.3	0
15	SCDMA	1	74	11.93	11.90	11.90			
15	SCDMA	50	0	11.90	11.90	11.92			
15	SCDMA	50	20	11.90	11.90	11.92		12.3	0
15	SCDMA	50	50	11.90	11.90	11.92			
15	SCDMA	100	0	11.90	11.90	11.92			
15	SCDMA	1	37	11.92	11.90	11.93		12.3	0
15	SCDMA	1	74	11.93	11.90	11.90			
15	SCDMA	50	0	11.90	11.90	11.92			
15	SCDMA	50	20	11.90	11.90	11.92		12.3	0
15	SCDMA	50	50	11.90	11.90	11.92			
15	SCDMA	100	0	11.90	11.90	11.92			
Channel									
Channel	1800	1850	1910	1950	Frequency (MHz)	MPR (dB)			
Frequency (MHz)	1800 <td>1850 <td>1910 <td>1950</td> <td></td> <td></td> <td colspan="3"></td> </td></td>	1850 <td>1910 <td>1950</td> <td></td> <td></td> <td colspan="3"></td> </td>	1910 <td>1950</td> <td></td> <td></td> <td colspan="3"></td>	1950					
3	QPSK	1	0	14.92	14.92	14.92			
3	QPSK	1	12	14.93	14.93	14.93		15.8	0
3	QPSK	1	24	14.94	14.93	14.93			
3	QPSK	12	0	14.90	14.91	14.92			
3	QPSK	12	7	14.91	14.91	14.92		15.8	0
3	QPSK	12	14	14.92	14.91	14.92			
3	SCDMA	1	0	14.90	14.92	14.92			
3	SCDMA	1	49	14.94	14.91	14.91		15.8	0
3	SCDMA	1	74	14.95	14.90	14.90			
3	SCDMA	12	0	14.91	14.91	14.92			
3	SCDMA	12	7	14.90	14.90	14.92		15.8	0
3	SCDMA	12	14	14.91	14.91	14.92			
3	SCDMA	25	0	14.90	14.92	14.92			
3	SCDMA	25	12	14.91	14.91	14.92		15.8	0
3	SCDMA	25	25	14.90	14.90	14.92			
3	SCDMA	50	0	14.90	14.92	14.92			
3	SCDMA	50	12	14.91	14.91	14.92		15.8	0
3	SCDMA	50	25	14.90	14.90	14.92			
3	SCDMA	100	0	14.90	14.90	14.92			
3	SCDMA	1	12	14.92	14.90	14.93		15.8	0
3	SCDMA	1	24	14.93	14.91	14.91			
3	SCDMA	12	0	14.92	14.93	14.93			
3	SCDMA	12	7	14.90	14.90	14.93		15.8	0
3	SCDMA	12	14	14.91	14.91	14.93			
3	SCDMA	25	0	14.90	14.90	14.93			
3	SCDMA	25	12	14.91	14.91	14.93		15.8	0
3	SCDMA	25	25	14.90	14.90	14.93			
3	SCDMA	50	0	14.90	14.90	14.93			
3	SCDMA	50	12	14.91	14.91	14.93		15.8	0
3	SCDMA	50	25	14.90	14.90	14.93			
3	SCDMA	100	0	14.90	14.90	14.93			
Channel									
Channel	1800	1850	1910	1950	Frequency (MHz)	MPR (dB)			
Frequency (MHz)	1800 <td>1850 <td>1910 <td>1950</td> <td></td> <td></td> <td colspan="3"></td> </td></td>	1850 <td>1910 <td>1950</td> <td></td> <td></td> <td colspan="3"></td> </td>	1910 <td>1950</td> <td></td> <td></td> <td colspan="3"></td>	1950					
1.4	QPSK	1	0	14.92	14.92	14.92			
1.4	QPSK	1	3	14.93	14.92	14.92		15.8	0
1.4	QPSK	1	6	14.94	14.93	14.93			
1.4	QPSK	3	0	14.90	14.91	14.92			
1.4	QPSK	3	3	14.91	14.91	14.92		15.8	0
1.4	QPSK	3	6	14.92	14.91	14.92			
1.4	SCDMA	1	0	14.90	14.92	14.92			
1.4	SCDMA	1	49	14.94	14.91	14.91		15.8	0
1.4	SCDMA	1	98	14.95	14.90	14.90			
1.4	SCDMA	3	0	14.91	14.91	14.92			
1.4	SCDMA	3	14	14.92	14.91	14.92		15.8	0
1.4	SCDMA	3	29	14.93	14.91	14.92			
1.4	SCDMA	6	0	14.90	14.92	14.92			
1.4	SCDMA	6	14	14.91	14.91	14.92		15.8	0
1.4	SCDMA	6	29	14.92	14.91	14.92			
1.4	SCDMA	12	0	14.90	14.92	14.92			
1.4	SCDMA	12	7	14.91	14.91	14.92		15.8	0
1.4	SCDMA	12	14	14.92	14.91	14.92			
1.4	SCDMA	25	0	14.90	14.92	14.92			
1.4	SCDMA	25	12	14.91	14.91	14.92		15.8	0
1.4	SCDMA	25	25	14.90	14.90	14.92			
1.4	SCDMA	50	0	14.90	14.92	14.92			
1.4	SCDMA	50	12	14.91	14.91	14.92		15.8	0
1.4	SCDMA	50	25	14.90	14.90	14.92			
1.4	SCDMA	100	0	14.90	14.90	14.92			
1.4	SCDMA	1	14	14.92	14.90	14.93		15.8	0
1.4	SCDMA	1	29	14.93	14.91	14.91			
1.4	SCDMA	3	0	14.92	14.93	14.93			
1.4	SCDMA	3	14	14.93	14.91	14.91		15.8	0
1.4	SCDMA	3	29	14.94	14.91	14.91			
1.4	SCDMA	6	0	14.90	14.92	14.92			
1.4	SCDMA	6	14	14.91	14.91	14.92		15.8	0
1.4	SCDMA	6	29	14.92	14.91	14.92			
1.4	SCDMA	12	0	14.90	14.92	14.92			
1.4	SCDMA	12	7	14.91	14.91	14.92		15.8	0
1.4	SCDMA	12	14	14.92	14.91	14.92			
1.4	SCDMA	25	0	14.90	14.92	14.92			
1.4	SCDMA	25	12	14.91	14.91				

LTE Band 13

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTE Band 28_TBC

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTE Band 6

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

Table with columns: EIR (MHz), Modulation, RB Size, RB Offset, Power Line, Power Media, Power High, Frequency (MHz), Time-up time (min), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel.

LTE Band 26 FCC

Table with columns: SW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Time-up time (min), MPR (dB). Contains multiple rows of channel data for various frequencies and modulation schemes.

LTE Band 6

Table with columns: SW (MHz), Modulation, RB Size, RB Offset, Power, Power, Power, Time-up time (min), MPR (dB). Contains multiple rows of channel data for various frequencies and modulation schemes.

Table 1

SW Band	Modulation	RIS Size	RIS Offset	Power Class (dBm)	Power Class (dBm)	Power Class (dBm)	Turn-up time (min)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	17.24	17.24	17.24	17.0	0
20	QPSK	1	44	17.24	17.24	17.24	17.0	0
20	QPSK	1	88	17.12	17.21	17.28	17.0	0
20	QPSK	50	0	17.26	17.22	17.17	17.0	0
20	QPSK	50	44	17.26	17.22	17.22	17.0	0
20	QPSK	50	88	17.11	17.07	17.03	17.0	0
20	QPSK	100	0	17.25	17.25	17.13	17.0	0
20	QPSK	1	0	16.96	17.03	16.96	17.0	0
20	QPSK	1	44	17.12	17.07	17.07	17.0	0
20	QPSK	1	88	17.02	17.07	17.11	17.0	0
20	QPSK	50	24	17.00	17.07	17.02	17.0	0
20	QPSK	50	68	17.04	17.00	17.01	17.0	0
20	QPSK	100	0	17.01	17.01	16.99	17.0	0
20	QPSK	1	0	17.04	17.05	17.00	17.0	0
20	QPSK	1	44	17.01	17.01	17.01	17.0	0
20	QPSK	1	88	17.11	17.12	17.16	17.0	0
20	QPSK	50	0	16.22	16.17	16.07	17.0	0
20	QPSK	50	44	16.46	16.33	16.30	17.0	0
20	QPSK	50	88	16.32	16.31	16.20	17.0	0
20	QPSK	100	0	16.46	16.47	16.41	17.0	0
20	QPSK	1	0	16.02	16.01	15.94	17.0	0
20	QPSK	1	44	16.10	16.11	16.20	17.0	0
20	QPSK	1	88	16.04	16.00	16.01	17.0	0
20	QPSK	50	24	16.08	16.03	16.03	17.0	0
20	QPSK	50	68	16.02	16.13	16.05	17.0	0
20	QPSK	100	0	16.02	16.17	16.14	17.0	0
Channel								
Frequency (MHz)								
15	QPSK	1	0	17.18	17.08	17.14	17.0	0
15	QPSK	1	44	17.17	16.96	16.21	17.0	0
15	QPSK	1	88	17.13	16.83	17.05	17.0	0
15	QPSK	36	0	16.98	16.87	16.87	17.0	0
15	QPSK	36	44	17.06	17.07	17.14	17.0	0
15	QPSK	36	88	17.04	16.86	16.87	17.0	0
15	QPSK	72	0	17.11	17.13	17.00	17.0	0
15	QPSK	1	0	16.98	16.84	16.80	17.0	0
15	QPSK	1	44	16.87	16.59	16.76	17.0	0
15	QPSK	1	88	16.68	16.62	16.60	17.0	0
15	QPSK	36	0	16.84	16.29	16.54	17.0	0
15	QPSK	36	44	16.85	16.57	16.56	17.0	0
15	QPSK	36	88	16.72	16.66	16.75	17.0	0
15	QPSK	72	0	16.70	17.03	16.90	17.0	0
15	QPSK	1	0	16.70	16.64	16.58	17.0	0
15	QPSK	1	44	16.77	17.02	16.81	17.0	0
15	QPSK	1	88	17.02	17.04	17.04	17.0	0
15	QPSK	36	0	16.33	16.46	16.37	17.0	0
15	QPSK	36	44	16.29	16.62	16.43	17.0	0
15	QPSK	36	88	16.30	16.67	16.34	17.0	0
15	QPSK	72	0	16.32	16.43	16.34	17.0	0
15	QPSK	1	0	16.04	16.04	16.00	17.0	0
15	QPSK	1	44	16.12	16.44	16.30	17.0	0
15	QPSK	1	88	16.09	16.33	16.21	17.0	0
15	QPSK	36	0	16.06	16.21	16.05	17.0	0
15	QPSK	36	44	16.08	16.20	16.20	17.0	0
15	QPSK	36	88	16.06	16.28	16.15	17.0	0
15	QPSK	72	0	16.02	16.22	16.05	17.0	0
Channel								
Frequency (MHz)								
10	QPSK	1	0	17.02	17.01	17.01	17.0	0
10	QPSK	1	44	17.08	17.15	17.14	17.0	0
10	QPSK	1	88	16.81	16.81	16.85	17.0	0
10	QPSK	25	0	17.03	17.04	17.09	17.0	0
10	QPSK	25	44	16.99	16.88	16.81	17.0	0
10	QPSK	25	88	17.14	17.10	17.09	17.0	0
10	QPSK	50	0	16.97	17.01	16.90	17.0	0
10	QPSK	1	0	16.75	16.77	16.80	17.0	0
10	QPSK	1	44	16.76	16.89	16.84	17.0	0
10	QPSK	1	88	16.67	16.66	16.63	17.0	0
10	QPSK	25	0	16.88	17.06	16.91	17.0	0
10	QPSK	25	44	16.96	16.87	16.93	17.0	0
10	QPSK	25	88	16.75	16.87	16.86	17.0	0
10	QPSK	50	0	16.90	16.96	16.97	17.0	0
10	QPSK	1	0	16.86	17.02	16.86	17.0	0
10	QPSK	1	44	16.78	16.97	17.00	17.0	0
10	QPSK	1	88	16.81	16.83	16.96	17.0	0
10	QPSK	25	0	16.92	16.76	16.84	17.0	0
10	QPSK	25	44	16.85	16.29	16.37	17.0	0
10	QPSK	25	88	16.08	16.28	16.06	17.0	0
10	QPSK	50	0	16.05	16.07	16.03	17.0	0
10	QPSK	1	0	15.95	16.07	15.83	17.0	0
10	QPSK	1	44	15.94	16.05	16.00	17.0	0
10	QPSK	1	88	15.85	16.06	16.06	17.0	0
10	QPSK	25	0	15.84	16.04	16.06	17.0	0
10	QPSK	25	44	15.83	16.03	16.00	17.0	0
Channel								
Frequency (MHz)								
5	QPSK	1	0	17.12	17.01	17.13	17.0	0
5	QPSK	1	44	17.07	17.19	17.08	17.0	0
5	QPSK	1	88	17.21	17.21	17.07	17.0	0
5	QPSK	1	24	17.08	17.16	17.10	17.0	0
5	QPSK	12	0	17.08	17.10	17.10	17.0	0
5	QPSK	12	44	17.06	17.16	17.20	17.0	0
5	QPSK	12	88	17.11	17.13	17.10	17.0	0
5	QPSK	25	0	17.14	17.13	17.12	17.0	0
5	QPSK	1	0	16.95	16.84	16.70	17.0	0
5	QPSK	1	44	16.85	17.03	16.80	17.0	0
5	QPSK	1	88	16.96	16.99	16.86	17.0	0
5	QPSK	12	0	17.00	17.12	16.96	17.0	0
5	QPSK	12	44	17.07	17.15	16.95	17.0	0
5	QPSK	12	88	16.91	16.96	16.84	17.0	0
5	QPSK	25	0	16.97	17.03	16.86	17.0	0
5	QPSK	1	0	17.13	17.17	17.24	17.0	0
5	QPSK	1	44	17.18	17.16	17.23	17.0	0
5	QPSK	1	88	16.97	17.17	17.22	17.0	0
5	QPSK	12	0	16.17	16.26	16.10	17.0	0
5	QPSK	12	44	16.28	16.29	16.16	17.0	0
5	QPSK	12	88	16.04	16.17	16.08	17.0	0
5	QPSK	25	0	16.09	16.20	16.07	17.0	0
5	QPSK	25	44	15.95	16.07	15.96	17.0	0
5	QPSK	1	0	15.91	16.27	16.31	17.0	0
5	QPSK	1	44	16.03	16.20	16.00	17.0	0
5	QPSK	12	0	15.96	16.13	15.94	17.0	0
5	QPSK	12	44	15.90	16.13	16.10	17.0	0
5	QPSK	12	88	15.81	16.11	15.99	17.0	0
5	QPSK	25	0	15.84	16.14	16.06	17.0	0
5	QPSK	25	44	15.80	16.09	16.04	17.0	0
5	QPSK	25	88	15.83	16.09	16.04	17.0	0
Channel								
Frequency (MHz)								
3	QPSK	1	0	17.08	17.15	17.05	17.0	0
3	QPSK	1	44	17.00	17.10	17.00	17.0	0
3	QPSK	1	88	16.96	17.13	17.01	17.0	0
3	QPSK	8	0	17.19	17.24	17.17	17.0	0
3	QPSK	8	44	17.12	17.20	17.15	17.0	0
3	QPSK	8	88	17.05	17.15	17.10	17.0	0
3	QPSK	16	0	17.13	17.23	17.10	17.0	0
3	QPSK	1	0	17.01	16.92	16.81	17.0	0
3	QPSK	1	44	16.81	16.77	16.80	17.0	0
3	QPSK	1	88	16.78	16.81	16.79	17.0	0
3	QPSK	8	0	16.93	17.08	16.90	17.0	0
3	QPSK	8	44	16.94	17.12	16.93	17.0	0
3	QPSK	8	88	16.95	17.13	17.01	17.0	0
3	QPSK	16	0	16.93	17.04	16.84	17.0	0
3	QPSK	1	0	16.89	17.09	16.86	17.0	0
3	QPSK	1	44	17.02	17.07	16.77	17.0	0
3	QPSK	1	88	16.84	17.01	16.81	17.0	0
3	QPSK	8	0	16.16	16.29	16.17	17.0	0
3	QPSK	8	44	16.09	16.07	16.10	17.0	0
3	QPSK	8	88	16.15	16.28	16.20	17.0	0
3	QPSK	16	0	16.08	16.16	16.06	17.0	0
3	QPSK	1	0	15.98	16.10	16.00	17.0	0
3	QPSK	1	44	15.95	16.37	16.42	17.0	0
3	QPSK	1	88	16.01	16.31	16.11	17.0	

LTE Band 41

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)				39750	40185	40620	41055	41490			
				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	15.72	15.88	15.47	15.47	15.41		16.8	0
20	QPSK	1	49	15.70	15.80	15.83	15.65	15.68			
20	QPSK	1	99	15.59	15.80	15.72	15.64	15.80			
20	QPSK	50	0	15.69	15.77	15.64	15.70	15.69		16.8	0
20	QPSK	50	24	15.74	15.76	15.82	15.67	15.74			
20	QPSK	50	50	15.72	15.76	15.72	15.62	15.76			
20	QPSK	100	0	15.70	15.71	15.74	15.58	15.72			
20	16QAM	1	0	15.78	15.76	15.42	15.56	15.60		16.8	0
20	16QAM	1	49	15.68	15.73	15.77	15.71	15.74			
20	16QAM	1	99	15.71	15.75	15.48	15.39	15.81			
20	16QAM	50	0	15.29	15.28	15.11	15.14	15.20			
20	16QAM	50	24	15.27	15.45	15.20	15.19	15.32		16.8	0
20	16QAM	50	50	15.20	15.45	15.30	15.12	15.41			
20	16QAM	100	0	15.18	15.32	15.19	15.18	15.27			
20	64QAM	1	0	15.15	15.10	14.86	14.94	14.94		16.8	0
20	64QAM	1	49	15.03	15.20	15.11	14.96	15.22			
20	64QAM	1	99	15.04	15.30	14.84	14.83	15.10			
20	64QAM	50	0	15.11	15.06	14.91	14.94	15.03		16.8	0
20	64QAM	50	24	15.08	15.20	14.99	14.98	15.22			
20	64QAM	50	50	14.94	15.16	15.00	14.93	15.30			
20	64QAM	100	0	14.98	15.08	15.01	14.86	15.11			
20	256QAM	1	0	14.94	14.99	15.18	14.85	14.84		16.8	0
20	256QAM	1	49	15.14	15.04	15.03	15.03	15.00			
20	256QAM	1	99	14.81	15.21	15.02	14.89	15.10			
20	256QAM	50	0	15.20	14.96	14.98	14.99	14.89			
20	256QAM	50	24	15.22	15.08	14.94	15.19	15.18		16.8	0
20	256QAM	50	50	14.94	15.01	14.88	15.02	15.15			
20	256QAM	100	0	15.01	14.91	14.92	14.89	15.07			
Channel											
Frequency (MHz)				21018	40173	40620	41058	41515			
				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	15.56	15.47	15.48	15.46	15.52		16.8	0
15	QPSK	1	37	15.56	15.73	15.61	15.61	15.73			
15	QPSK	1	74	15.68	15.48	15.44	15.45	15.75			
15	QPSK	36	0	15.70	15.75	15.56	15.62	15.71		16.8	0
15	QPSK	36	20	15.73	15.77	15.75	15.67	15.75			
15	QPSK	36	39	15.68	15.72	15.63	15.65	15.74			
15	QPSK	75	0	15.66	15.79	15.74	15.67	15.78		16.8	0
15	16QAM	1	0	15.77	15.63	15.64	15.64	15.57			
15	16QAM	1	37	15.53	15.82	15.72	15.68	15.70		16.8	0
15	16QAM	1	74	15.76	15.68	15.60	15.60	15.73			
15	16QAM	36	0	15.14	15.25	15.08	15.27	15.16			
15	16QAM	36	20	15.20	15.38	15.23	15.21	15.26		16.8	0
15	16QAM	36	39	15.11	15.24	15.14	15.11	15.39			
15	16QAM	75	0	15.14	15.33	15.19	15.22	15.26			
15	64QAM	1	0	15.05	14.84	14.81	14.84	14.88		16.8	0
15	64QAM	1	37	15.09	15.24	15.07	15.04	15.18			
15	64QAM	1	74	15.06	14.91	14.82	14.95	15.14			
15	64QAM	36	0	14.97	15.01	14.92	14.98	15.09		16.8	0
15	64QAM	36	20	15.07	15.23	15.13	15.05	15.14			
15	64QAM	36	39	14.96	15.07	15.05	14.96	15.23			
15	64QAM	75	0	14.96	15.13	14.96	14.99	15.05			
15	256QAM	1	0	14.80	14.87	15.00	14.87	14.81		16.8	0
15	256QAM	1	37	14.90	14.95	14.96	14.89	15.02			
15	256QAM	1	74	14.80	14.87	14.80	14.84	14.85			
15	256QAM	36	0	14.84	14.88	14.87	14.89	14.92		16.8	0
15	256QAM	36	20	14.98	14.93	14.92	15.04	14.83			
15	256QAM	36	39	14.88	14.87	14.89	14.90	14.97			
15	256QAM	75	0	14.88	14.80	14.81	14.86	14.90			
Channel											
Frequency (MHz)				39700	40160	40620	41050	41540			
				2501	2547	2593	2639	2685			
10	QPSK	1	0	15.31	15.25	15.18	15.20	15.31		16.8	0
10	QPSK	1	25	15.36	15.67	15.37	15.44	15.80			
10	QPSK	1	49	15.45	15.26	15.31	15.23	15.28			
10	QPSK	25	0	15.40	15.52	15.39	15.39	15.55		16.8	0
10	QPSK	25	12	15.40	15.68	15.59	15.56	15.77			
10	QPSK	25	25	15.47	15.66	15.44	15.40	15.65			
10	QPSK	50	0	15.44	15.65	15.45	15.52	15.51		16.8	0
10	16QAM	1	0	15.53	15.48	15.32	15.29	15.43			
10	16QAM	1	25	15.54	15.72	15.45	15.46	15.70		16.8	0
10	16QAM	1	49	15.42	15.47	15.26	15.35	15.36			
10	16QAM	25	0	14.97	15.00	14.88	14.95	15.02			
10	16QAM	25	12	15.11	15.24	15.09	15.14	15.25		16.8	0
10	16QAM	25	25	14.98	15.03	14.94	14.94	15.13			
10	16QAM	50	0	14.94	15.10	14.81	15.03	15.02		16.8	0
10	64QAM	1	0	14.91	15.05	15.09	15.13	14.97			
10	64QAM	1	25	15.05	15.13	15.13	15.11	14.87			
10	64QAM	1	49	14.82	15.17	15.08	15.02	15.03		16.8	0
10	64QAM	25	0	15.01	15.03	14.97	15.00	14.87			
10	64QAM	25	12	15.04	15.29	15.12	15.09	15.22			
10	64QAM	25	25	14.95	15.20	14.99	15.00	14.94		16.8	0
10	64QAM	50	0	14.89	15.10	15.02	15.01	14.91			
10	256QAM	1	0	14.92	14.86	15.06	14.93	14.89		16.8	0
10	256QAM	1	25	14.99	14.99	14.94	15.02	14.87			
10	256QAM	1	49	14.91	14.93	14.91	14.89	14.80			
10	256QAM	25	0	15.31	15.07	15.22	15.09	15.17		16.8	0
10	256QAM	25	12	15.36	15.37	15.03	15.17	15.01			
10	256QAM	25	25	15.14	15.18	14.99	15.21	15.23			
10	256QAM	50	0	14.98	15.08	14.80	15.14	14.94			
Channel											
Frequency (MHz)				39675	40148	40620	41093	41555			
				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	15.44	15.59	15.42	15.41	15.65		16.8	0
5	QPSK	1	12	15.39	15.59	15.42	15.32	15.52			
5	QPSK	1	24	15.43	15.62	15.43	15.36	15.56			
5	QPSK	12	0	15.45	15.73	15.50	15.48	15.73		16.8	0
5	QPSK	12	7	15.55	15.74	15.55	15.37	15.56			
5	QPSK	12	13	15.45	15.73	15.50	15.50	15.59			
5	QPSK	25	0	15.47	15.67	15.43	15.52	15.71		16.8	0
5	16QAM	1	0	15.54	15.62	15.55	15.58	15.71			
5	16QAM	1	12	15.59	15.71	15.82	15.56	15.64		16.8	0
5	16QAM	1	24	15.53	15.66	15.54	15.62	15.56			
5	16QAM	12	0	14.94	15.21	15.03	14.94	15.19			
5	16QAM	12	7	15.02	15.22	15.11	15.03	15.19		16.8	0
5	16QAM	12	13	14.96	15.14	15.01	14.97	15.14			
5	16QAM	25	0	15.03	15.16	15.04	15.04	15.20			
5	64QAM	1	0	15.20	15.23	15.01	15.08	15.27		16.8	0
5	64QAM	1	12	15.11	15.29	15.11	15.20	15.25			
5	64QAM	1	24	15.11	15.29	15.					

Reduced Power for Sarter on LATEXDC

LTE Band 25										
RV (BW)	Modulation	RB Size	RB Offset	Power Line	Power Media	Power Peak	Frequency (MHz)	Frequency Int. (MHz)	MPE (dB)	MPE (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.31	16.49	16.38	17.3	0		
20	QPSK	1	49	16.49	16.56	16.54	17.3	0		
20	QPSK	1	99	16.56	16.63	16.61	17.3	0		
20	QPSK	50	0	16.38	16.52	16.52	17.3	0		
20	QPSK	50	24	16.52	16.51	16.51	17.3	0		
20	QPSK	50	50	16.51	16.55	16.55	17.3	0		
20	QPSK	100	0	16.41	16.32	16.34	17.3	0		
20	QPSK	100	24	16.34	16.37	16.36	17.3	0		
20	QPSK	100	49	16.37	16.45	16.41	17.3	0		
20	QPSK	1	99	16.56	16.21	16.56	17.3	0		
20	QPSK	50	0	16.14	16.20	16.18	17.3	0		
20	QPSK	50	24	16.12	16.38	16.24	17.3	0		
20	QPSK	50	50	16.23	16.30	16.25	17.3	0		
20	QPSK	100	0	16.04	15.99	15.81	17.3	0		
20	QPSK	100	24	15.89	16.00	16.01	17.3	0		
20	QPSK	100	49	15.87	15.70	15.80	17.3	0		
20	QPSK	1	99	16.21	15.99	16.20	17.3	0		
20	QPSK	50	0	16.21	15.99	16.20	17.3	0		
20	QPSK	50	24	16.07	16.11	16.09	17.3	0		
20	QPSK	50	50	15.89	15.73	15.70	17.3	0		
20	QPSK	100	0	15.47	15.67	15.69	17.3	0		
20	QPSK	100	24	15.67	15.61	15.74	17.3	0		
20	QPSK	100	49	15.50	15.55	15.38	17.3	0		
20	QPSK	1	99	15.38	15.69	15.60	17.3	0		
20	QPSK	50	0	15.87	15.88	15.70	17.3	0		
20	QPSK	50	24	15.59	15.73	15.70	17.3	0		
20	QPSK	50	50	15.59	15.73	15.70	17.3	0		
20	QPSK	100	0	15.15	15.62	15.70	17.3	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.28	16.54	16.43	17.3	0		
15	QPSK	1	37	16.37	16.50	16.40	17.3	0		
15	QPSK	1	74	16.20	16.54	16.50	17.3	0		
15	QPSK	50	0	16.43	16.24	16.24	17.3	0		
15	QPSK	50	24	16.25	16.28	16.28	17.3	0		
15	QPSK	50	49	16.28	16.41	16.41	17.3	0		
15	QPSK	100	0	16.19	16.23	16.24	17.3	0		
15	QPSK	100	24	16.27	16.24	16.24	17.3	0		
15	QPSK	100	49	16.03	16.16	16.11	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.14	16.28	16.20	17.3	0		
15	QPSK	50	24	16.29	16.44	16.40	17.3	0		
15	QPSK	50	49	16.20	16.28	16.28	17.3	0		
15	QPSK	100	0	16.09	16.14	16.15	17.3	0		
15	QPSK	100	24	16.03	16.16	16.11	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.28	16.31	17.3	0		
15	QPSK	50	50	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.25	16.50	16.25	17.3	0		
15	QPSK	1	37	16.31	16.40	16.43	17.3	0		
15	QPSK	1	74	16.17	16.48	16.47	17.3	0		
15	QPSK	50	0	16.29	16.45	16.45	17.3	0		
15	QPSK	50	24	16.44	16.62	16.62	17.3	0		
15	QPSK	50	49	16.29	16.19	16.21	17.3	0		
15	QPSK	100	0	16.01	16.16	16.12	17.3	0		
15	QPSK	100	24	16.09	16.42	16.41	17.3	0		
15	QPSK	100	49	16.11	16.20	16.21	17.3	0		
15	QPSK	1	99	16.38	16.28	16.20	17.3	0		
15	QPSK	50	0	16.14	16.33	16.20	17.3	0		
15	QPSK	50	24	16.29	16.44	16.40	17.3	0		
15	QPSK	50	49	16.20	16.28	16.28	17.3	0		
15	QPSK	100	0	16.09	16.14	16.15	17.3	0		
15	QPSK	100	24	16.03	16.16	16.11	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24	16.02	16.15	16.10	17.3	0		
15	QPSK	100	49	15.93	16.10	16.08	17.3	0		
15	QPSK	1	99	16.38	16.17	16.34	17.3	0		
15	QPSK	50	0	16.25	16.29	16.29	17.3	0		
15	QPSK	50	24	16.20	16.19	16.20	17.3	0		
15	QPSK	50	49	16.12	16.10	16.24	17.3	0		
15	QPSK	100	0	16.08	16.17	16.20	17.3	0		
15	QPSK	100	24							

LTE Band 41

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Mid Ch./Freq., Power High Ch./Freq., Power Low-Mid Ch./Freq., Power High-Mid Ch./Freq., Tune-up limit (dBm), MPR (dB). It contains multiple sections for different modulation schemes (QPSK, 16QAM, 64QAM, 256QAM) and bandwidths (5, 10, 15, 20, 25, 30, 36, 40, 45, 50 MHz).

LTE Band 41HPIUE

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Mid Ch./Freq., Power High Ch./Freq., Power Low-Mid Ch./Freq., Power High-Mid Ch./Freq., Tune-up limit (dBm), MPR (dB). It contains multiple sections for different modulation schemes (QPSK, 16QAM, 64QAM, 256QAM) and bandwidths (5, 10, 15, 20, 25, 30, 36, 40, 45, 50 MHz).

LTE Downlink CA Full Power for UAT

2CC		Configure	CA Configuration (BCS)	PCC				SCC				Power			
Inter-Band	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)	W/O CA Tx Power (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	20895	QPSK	1	0	41	20	2593	40620	23.08	23.58
Intra-Band	Non-Contiguous	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
	Contiguous	CA_2C	2	20	1880	18900	QPSK	1	0	2	20	1979.0	1098	21.16	21.56
		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	1722.5	132597	QPSK	1	0	66	5	2163.20	69968	21.04	21.32
CA_66C	66	20	1745	132322	QPSK	1	0	66	20	2164.80	67084	20.96	21.34		

3CC		Configure	CA Configuration (BCS)	PCC				SCC1				SCC2				Power				
Inter-Band	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 Tx Power (dBm)	W/O CA Tx Power (dBm)	
																				UL RB
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	891.5	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	2625	30	10	2355	9820	21.28	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	68886	21.23	21.56		
	CA_2A-7A-7A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	7	5	2622.5	2775	21.62	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-7A	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	891.5	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	88798	20.92	21.06		
	CA_4A-4A-5A	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	2625	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	68886	21.20	21.43		
	CA_7A-6C	7	20	2510	20850	QPSK	1	49	48	20	5537.5	50665	48	20	557.3	50863	21.32	21.56		
	CA_12A-30A-66A	12	10	707.5	23095	QPSK	1	49	30	10	2355	9820	66	20	2155	68886	21.32	21.56		
	CA_25A-25A-26A	25	20	1880	26340	QPSK	1	0	25	5	1992.5	8665	26	15	876.5	8665	21.24	21.35		
	CA_48A-48A-66A	48	20	3675	56490	QPSK	1	49	48	5	3697.5	56715	66	20	2155	68886	22.77	23.43		
	CA_48C-66A	48	20	3660	56340	QPSK	1	49	48	20	3679.8	56538	66	20	2155	68886	22.66	23.38		
	Intra-Band	Contiguous	CA_48C-48A	48	20	3660	56340	QPSK	1	49	48	20	3679.8	56538	48	5	3697.5	56715	22.87	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

4CC		Configure	CA Configuration (BCS)	PCC				SCC1				SCC2				SCC3				Power			
Inter-Band	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	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Inter-Band	CA_2A-12A-66A-66A	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	66	20	2155	68886	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	68886	66	5	2197.5	67311	21.33	21.56	
	CA_2A-13A-66A	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	20	2155	68886	66	5	2197.5	67311	21.33	21.56	
	CA_2A-13A-66B	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	15	2155	68886	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	68886	66	20	2174.8	67084	21.31	21.56	
	CA_2A-12A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	12	10	737.5	5095	66	20	2155	68886	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	68886	21.39	21.56	
	CA_2A-2A-5A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	5	10	891.5	2525	66	20	2155	68886	21.32	21.56	
	CA_2A-2A-66A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	68886	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	68886	71	20	637	88798	21.28	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	88798	21.25	21.56	
	CA_2A-2A-66C	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	68886	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	2625	66	20	2155	68886	66	5	2197.5	67311	21.32	21.56	
	CA_2A-5A-66B	2	20	1880	18900	QPSK	1	0	5	10	881.5	2625	66	15	2155	68886	66	5	2164.3	66979	21.29	21.56	
	CA_2A-5A-66C	2	20	1880	18900	QPSK	1	0	5	10	881.5	2625	66	20	2155	68886	66	20	2174.8	67084	21.33	21.56	
	CA_2A-66A-66A-71A	2	20	1880	18900	QPSK	1	0	66	20	2155	68886	66	5	2197.5	67311	71	20	637	88798	21.26	21.56	
	CA_2A-66C-71A	2	20	1880	18900	QPSK	1	0	66	20													

LTE Downlink CA Full Power for LAT

SCC		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)	WO 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	26665	QPSK	1	0	41	20	2593	40620	22.71	23.12
Intra-Band	Non-Contiguous	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
		CA_5A-5A	5	10	829	20450	QPSK	1	0	5	5	1891.5	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	1880	26340	QPSK	1	0	25	5	1992.5	6665	22.87	23.19
	Contiguous	CA_3C	2	20	1880	18900	QPSK	1	0	2	20	1979.80	1088	22.36	22.73
		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	2599.80	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		

SCC		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 Tx Power (dBm)	WO CA Tx Power (dBm)		
Inter-Band		CA_2A-4A-13A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	22.35	22.73	
		CA_2A-4A-29A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	22.41	22.73	
		CA_2A-4A-4A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	4	5	2152.5	2375	22.40	22.73	
		CA_2A-4A-5A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	22.37	22.73	
		CA_2A-4A-7A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	22.36	22.73	
		CA_2A-5A-30A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	22.36	22.73	
		CA_2A-12A-12A	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	22.38	22.73	
		CA_2A-2A-30A	2	20	1880	18900	QPSK	1	0	29	10	722.5	9715	30	10	2355	9820	22.39	22.73	
		CA_2A-7A-7A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	7	5	2622.5	2775	22.35	22.73	
		CA_4A-4A-13A	4	20	1732.5	20175	QPSK	1	49	4	5	2152.5	2375	12	10	737.5	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	5	2622.5	2775	22.38	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-2A-30A	4	20	1732.5	20175	QPSK	1	49	29	10	722.5	9715	30	10	2355	9820	22.35	23.04	
	Intra-Band	Contiguous	CA_5A-30A-66A	5	10	829	20450	QPSK	1	0	30	10	2355	9820	66	20	2155	68886	22.59	23.01
			CA_7A-46C	7	20	2510	20850	QPSK	1	49	48	20	5537.5	50685	46	20	5577.3	50683	22.20	22.30
			CA_12A-30A-66A	12	10	707.5	23095	QPSK	1	49	30	10	2355	9820	66	20	2155	68886	23.18	23.20
			CA_25A-25A-66A	25	20	1880	26340	QPSK	1	0	25	5	1992.5	6665	26	15	876.5	6655	22.56	23.19
			CA_66A-66C	66	20	1745	132322	QPSK	1	0	66	5	2197.5	67311	66	20	2165.8	67428	22.46	23.18

SCC		Configure	CA Configuration (BCS)	PCC					SCC1				SCC2				SCC3				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	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx Power (dBm)	WO CA Tx Power (dBm)		
Inter-Band		CA_2A-12A-66A-66A	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	66	20	2155	68886	66	5	2197.5	67311	22.33	22.73	
		CA_2A-12A-66C	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	66	20	2155	68886	66	20	2174.8	67084	22.35	22.73	
		CA_2A-13A-66A-66A	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	20	2155	68886	66	5	2197.5	67311	22.31	22.73	
		CA_2A-13A-66B	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	15	2155	68886	66	5	2164.3	66979	22.39	22.73	
		CA_2A-13A-66C	2	20	1880	18900	QPSK	1	0	13	10	751	5230	66	20	2155	68886	66	20	2174.8	67084	22.37	22.73	
		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	68886	22.46	22.73	
		CA_2A-2A-13A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	10	10	751	5230	66	20	2155	68886	22.42	22.73	
		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	68886	22.41	22.73	
		CA_2A-2A-66A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	68886	66	5	2197.5	67311	22.37	22.73	
		CA_2A-2A-66A-71A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	68886	71	20	637	68786	22.44	22.73	
		CA_2A-2A-4A-71A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	4	20	2152.5	2175	71	20	637	68786	22.39	22.73	
		CA_2A-2A-66C	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	68886	66	20	2174.8	67084	22.39	22.73	
		CA_2A-5A-66A-66A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	66	15	2155	68886	66	5	2197.5	67311	22.41	22.73	
		CA_2A-5A-66C	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	66	5	2155	68886	66	5	2164.3	66979	22.42	22.73	
		CA_2A-66A-66A-71A	2	20	1880	18900	QPSK	1	0	66	20	2155	68886	66	5	2197.5	67311	71	20	637	68786	22.40	22.73	
		CA_2A-66C-71A	2	20	1880	18900	QPSK	1	0	66	20	2155	68886	66	20	2174.8	67084	71	20	637	68786	22.43	22.73	
		CA_2C-66A-66A	2	20	1880	18900	QPSK	1	0	2	20	1979.8	1088	66	20	2155	68886	66	5	2197.5	67311	22.45	22.73	
		CA_2A-2A-4A-12A	2	20	1880	18900	QPSK	1	0	2	5	1960	900	4	20	2132.5	2175	12	10	737.5	5095	22.35	22.73	
		CA_4A-46C	4	20	1732.5	20175	QPSK	1	49	46	20	5537.5	50685	46	20	5577.3	50683	46	20	5577.1	51061	22.33	23.04	
		CA_25A-41D	25	20	1880	26340	QPSK	1	0	41	20	2593	40620	41	41	20	2632.60	41016	41	20	2632.60	41016	22.36	23.19
		CA_25A-46D	25	20	1880	26340	QPSK	1	0	46	20	5537.5	50685	46	20	5577.3	50683	46	20	5577.1	51061	22.33	23.19	
		CA_46A-46C-66A	66	20	1745	132322	QPSK	1	0	46	20	5537.5	50685	46	20	5160	46890	46	20	5179.8	47088	22.17	23.1	

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	RB Size	RB offset							
132072	132270	QPSK	1	0	0	0	1	0			Full Power	20.09	21.30		
132322	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		
132072	132270	16QAM	1	0	0	0	1	0			Full Power	19.09	20.30		
132322	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		
132072	132270	64QAM	1	0	0	0	1	0			Full Power	18.42	19.30		
132322	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		
132072	132270	256QAM	1	0	0	0	1	0			Full Power	15.32	17.30		
132322	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		
132072	132270	QPSK	50	24	0	0	1	0			Reduced power level 1/3	12.62	13.80		
132322	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		
132072	132270	QPSK	50	24	0	0	1	0			Reduced power level 2/4	11.84	12.80		
132322	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		
132072	132270	QPSK	1	0	0	0	1	0			Reduced	15.22	16.30		
132322	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	RB Size	RB offset							
39790	39688	QPSK	1	49	0	0	1	0			Full Power	21.13	22.10		
39750	39948	QPSK	1	49	0	0	1	0			Full Power	21.16	22.10		
40185	39897	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	40857	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	39948	16QAM	1	49	0	0	1	0			Full Power	20.17	21.10		
40185	39897	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	40857	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	39948	64QAM	1	49	0	0	1	0			Full Power	18.58	20.10		
40185	39897	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	40857	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	39948	256QAM	1	49	0	0	1	0			Full Power	16.11	17.60		
40185	39897	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	40857	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	39948	QPSK	50	24	0	0	1	0			Reduced power level 1	15.08	16.10		
40185	39897	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	40857	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	39948	QPSK	50	24	0	0	1	0			Reduced power level 2/3/4	14.11	15.10		
40185	39897	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	40857	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	17.19	18.10		
39750	39948	QPSK	50	24	0	0	1	0			Reduced	17.21	18.10		
40185	39897	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	40857	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						
39790	39888	QPSK	1	49	0	0	1	0	Full Power	23.49	24.60	
39790	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	
39790	39888	16QAM	1	49	0	0	1	0	Full Power	22.73	23.60	
39790	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	22.76	23.60	
41490	41292	16QAM	1	49	0	0	1	0	Full Power	22.83	23.60	
39790	39888	64QAM	1	49	0	0	1	0	Full Power	21.33	22.60	
39790	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	
39790	39888	256QAM	1	49	0	0	1	0	Full Power	18.12	20.10	
39790	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	18.84	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	
39790	39888	QPSK	50	24	0	0	1	0	Reduced power level 1/2/3/4	17.82	18.60	
39790	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	
39790	39888	QPSK	50	24	0	0	1	0	Reduced	19.28	20.10	
39790	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	5.58	7.50	
55830	55932	QPSK	1	49	0	0	1	0	Full Power	5.88	7.50	
56150	55992	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	5.81	7.50	
55830	55932	16QAM	1	49	0	0	1	0	Full Power	5.85	7.50	
56150	55992	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	
55830	55932	64QAM	1	49	0	0	1	0	Full Power	5.56	7.50	
56150	55992	64QAM	1	49	0	0	1	0	Full Power	5.65	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	5.82	7.50	
55830	55932	256QAM	1	49	0	0	1	0	Full Power	5.71	7.50	
56150	55992	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	
55830	55932	QPSK	100	0	0	0	1	0	Full Power	20.94	21.80	
56150	55992	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	
55830	55932	QPSK	100	0	0	0	1	0	Reduced power level 1/2/3/4	14.25	14.80	
56150	55992	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	
55830	55932	QPSK	100	0	0	0	1	0	Reduced	16.88	17.30	
56150	55992	QPSK	100	0	0	0	1	0	Reduced	16.72	17.30	
56640	56442	QPSK	100	0	0	0	1	0	Reduced	16.66	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	19.01	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 MPR 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	28.30
39790	39948	QPSK	1	49	0	0	1	0	Full Power	25.19	28.30
40185	39987	QPSK	1	49	0	0	1	0	Full Power	24.95	28.30
40620	40422	QPSK	1	49	0	0	1	0	Full Power	25.29	28.30
41055	40857	QPSK	1	49	0	0	1	0	Full Power	25.08	28.30
41490	41292	QPSK	1	49	0	0	1	0	Full Power	25.09	28.30
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	23.98	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	19.99	21.80
39790	39948	256QAM	1	49	0	0	1	0	Full Power	20.01	21.80
40185	39987	256QAM	1	49	0	0	1	0	Full Power	20.23	21.80
40620	40422	256QAM	1	49	0	0	1	0	Full Power	20.05	21.80
41055	40857	256QAM	1	49	0	0	1	0	Full Power	19.98	21.80
41490	41292	256QAM	1	49	0	0	1	0	Full Power	20.24	21.80
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

i2 (only SCS150Kz has 8M 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				37200	37600	38000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	20.89	20.92	21.28		
20	PI2 BPSK	1	53	20.95	20.78	21.07	22.5	0
20	PI2 BPSK	1	104	20.89	20.85	20.95		
20	PI2 BPSK	50	0	20.42	20.69	21.06		
20	PI2 BPSK	50	38	20.45	20.55	21	22.5	0
20	PI2 BPSK	50	55	20.28	20.77	21.05		
20	PI2 BPSK	100	0	20.48	20.65	20.89	22.5	0
20	QPSK	1	1	21.01	21.2	21.5		
20	QPSK	1	53	20.96	21.38	21.41	22.5	0
20	QPSK	1	104	21.18	21.37	21.39		
20	QPSK	50	0	20.91	20.4	20.48		
20	QPSK	50	28	20.96	21.35	21.39	22.5	0
20	QPSK	50	58	20.1	20.49	20.47		
20	QPSK	100	0	20.22	20.47	20.46	21.5	1
20	16QAM	1	1	20.06	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				37200	37600	38000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	20.83	21.18	21.45	22.5	0
Channel				37500	37600	38000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				1899	1898	1905		
10	QPSK	1	1	20.72	21.15	21.25	22.5	0
Channel				37050	37000	38150	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				1862.5	1880	1907.5		

i5 (only SCS150Kz has 8M 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				16650	16700	16750	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				834	835.5	837		
20	PI2 BPSK	1	1	23.19	23.15	23.05		
20	PI2 BPSK	1	53	23.05	23.88	23.95	24.3	0
20	PI2 BPSK	1	104	22.98	23.11	22.85		
20	PI2 BPSK	50	0	23.15	23.05	22.78		
20	PI2 BPSK	50	38	22.69	22.89	22.45	24.3	0
20	PI2 BPSK	50	55	22.74	22.66	22.6		
20	PI2 BPSK	100	0	23.11	22.95	22.78	24.3	0
20	QPSK	1	1	23.29	23.3	23.27		
20	QPSK	1	53	23.16	23.14	23.13	24.3	0
20	QPSK	1	104	23.13	23.16	23.05		
20	QPSK	50	0	23.2	23.22	22.17		
20	QPSK	50	28	23.09	23.1	23.08	24.3	0
20	QPSK	50	58	22.14	22.17	22.15		
20	QPSK	100	0	22.21	22.23	22.2	23.3	1
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				16650	16700	16750	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				16650	16700	16800	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				833	833.5	840		
10	QPSK	1	1	23.29	23.05	23.08	24.3	0
Channel				16530	16700	16900	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				826.5	835.5	846.5		

n66 (only SCS150Hz 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			
Frequency (MHz)				1725	1745	1770			
20	PI/2 BPSK	1	1	20.96	21.06	21.01			
20	PI/2 BPSK	1	53	20.87	20.78	20.6	22.5	0	
20	PI/2 BPSK	1	104	20.89	20.92	20.39			
20	PI/2 BPSK	50	0	20.89	20.87	20.96			
20	PI/2 BPSK	50	28	20.40	20.45	20.44	22.5	0	
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	22.5	0	
20	QPSK	1	104	21	20.99	20.99			
20	QPSK	50	0	19.95	20.03	20.02			
20	QPSK	50	28	20.86	20.91	20.9	22.5	0	
20	QPSK	50	56	19.92	19.94	20.01			
20	QPSK	100	0	19.97	19.95	19.93	21.5	1	
20	16QAM	1	1	19.98	20.04	20.03	21.5	1	
20	16QAM	1	1	18.3	18.44	18.71	20	2.5	
20	256QAM	1	1	18.73	18.66	18.83	18	4.5	
Channel				345000	349000	349500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.96	21	20.99	22.5	0	
Channel				343000	349000	350000			
Frequency (MHz)				1715	1745	1773			
10	QPSK	1	1	20.96	20.92	20.88	22.5	0	
Channel				342900	349000	350000			
Frequency (MHz)				1712.5	1745	1777.5			

n71 (only SCS150Hz 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			
Frequency (MHz)				679	680.5	688			
20	PI/2 BPSK	1	1	23.11	23.13	23.01			
20	PI/2 BPSK	1	53	22.9	23.01	22.85	24.3	0	
20	PI/2 BPSK	1	104	22.89	22.89	22.77			
20	PI/2 BPSK	50	0	22.96	22.78	22.82			
20	PI/2 BPSK	50	28	22.40	22.45	22.39	24.3	0	
20	PI/2 BPSK	50	56	22.39	22.32	22.34			
20	PI/2 BPSK	100	0	22.82	22.44	22.52	24.3	0	
20	QPSK	1	1	23.17	23.18	23.13			
20	QPSK	1	53	23.13	23.15	23.06	24.3	0	
20	QPSK	1	104	22.96	22.98	22.76			
20	QPSK	50	0	22.13	22.15	22.03			
20	QPSK	50	28	22.97	23	22.92	24.3	0	
20	QPSK	50	56	22.11	22.16	21.97			
20	QPSK	100	0	22.03	22.06	22.05	23.3	1	
20	16QAM	1	1	22.23	22.13	22.2	23.3	1	
20	16QAM	1	1	20.74	20.81	20.56	21.8	2.5	
20	256QAM	1	1	18.99	18.95	18.81	18.8	4.5	
Channel				136100	137000	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.16	23.06	23.07	24.3	0	
Channel				136000	136100	138000			
Frequency (MHz)				678	680.5	689			
10	QPSK	1	1	23.02	22.88	22.92	24.3	0	
Channel				133100	136100	139100			
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	Pl/2 BPSK	1	1	21.45	21.62	21.36		
100	Pl/2 BPSK	1	137	21.33	21.49	21.55	23.3	0
100	Pl/2 BPSK	1	271	21.29	21.33	21.39		
100	Pl/2 BPSK	135	0	21.45	21.52	21.56		
100	Pl/2 BPSK	135	69	21.39	21.29	21.66	23.3	0
100	Pl/2 BPSK	135	138	21.33	21.6	21.23		
100	Pl/2 BPSK	270	0	21.4	21.44	21.34	23.3	0
100	QPSK	1	1	21.65	22.05	21.91		
100	QPSK	1	137	21.34	21.95	21.68	23.3	0
100	QPSK	1	271	21.42	21.77	21.45		
100	QPSK	135	0	21.4	21.75	21.48		
100	QPSK	135	69	21.53	21.83	21.62	23.3	0
100	QPSK	135	138	21.47	21.82	21.67		
100	QPSK	270	0	21.45	21.68	21.58	23.3	0
100	16QAM	1	1	21.41	21.75	21.52	23.3	0
100	64QAM	1	1	21.53	21.88	21.55	23.3	0
100	256QAM	1	1	19.85	20.21	19.98	18.3	4.5
Channel				505200	518600	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2593	2645		
90	QPSK	1	1	21.45	21.63	22.02	23.3	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2593	2650		
80	QPSK	1	1	21.42	21.7	21.98	23.3	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2593	2660		
60	QPSK	1	1	21.34	21.8	21.94	23.3	0
Channel				504200	518600	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521	2593	2665		
50	QPSK	1	1	21.32	21.62	21.98	23.3	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2593	2670		
40	QPSK	1	1	21.51	21.88	22.03	23.3	0
Channel				501200	518600	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680		
20	QPSK	1	1	21.35	21.78	21.97	23.3	0

Reduced power level 1 for Head-UAT

r2 (only SCS150kHz 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										
Frequency (MHz)										
20	PI2 BPSK	1	1	14.93	14.96	15.3				
20	PI2 BPSK	1	53	14.99	14.82	15.11	16.5	0		
20	PI2 BPSK	1	104	14.82	14.89	14.99				
20	PI2 BPSK	50	0	14.46	14.73	15.1				
20	PI2 BPSK	50	26	14.49	14.6	15.04	16.5	0		
20	PI2 BPSK	50	56	14.3	14.81	15.09				
20	PI2 BPSK	100	0	14.52	14.69	14.93	16.5	0		
20	QPSK	1	1	15.12	15.26	15.59				
20	QPSK	1	53	14.96	15.38	15.41	16.5	0		
20	QPSK	1	104	15.18	15.37	15.39				
20	QPSK	50	0	15.08	15.47	15.51				
20	QPSK	50	26	15.1	15.47	15.55	16.5	0		
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	16QAM	1	1	14.89	15.02	15	16.5	0		
20	256QAM	1	1	14.73	14.96	15.06	16.5	0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	1897.5	1890	1902.5				
Channel										
Frequency (MHz)										
10	QPSK	1	1	1474	1507	1518				
Channel										
Frequency (MHz)										
5	QPSK	1	1	1483	1511	1506	16.5	0		

r5 (only SCS150kHz 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										
Frequency (MHz)										
20	PI2 BPSK	1	1	21.15	21.21	21.11				
20	PI2 BPSK	1	53	21.11	21.04	21.01	22.3	0		
20	PI2 BPSK	1	104	21.04	21.17	20.91				
20	PI2 BPSK	50	0	21.21	21.11	20.95				
20	PI2 BPSK	50	26	20.75	20.95	20.91	22.3	0		
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	21.16	21.17	21.16	22.3	0		
20	QPSK	1	104	21.16	21.19	21.08				
20	QPSK	50	0	21.19	21.21	21.16				
20	QPSK	50	26	21.12	21.23	21.11	22.3	0		
20	QPSK	50	56	21.13	21.16	21.14				
20	QPSK	100	0	21.2	21.22	21.19	22.3	0		
20	16QAM	1	1	21.11	21.14	21.12	22.3	0		
20	16QAM	1	1	19.72	19.73	20.24	21.3	1		
20	256QAM	1	1	19.06	19.99	19.76	21.6	2.5		
Channel										
Frequency (MHz)										
15	QPSK	1	1	1831.5	1835.5	1841.5				
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		

r6 (only SCS150kHz 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										
Frequency (MHz)										
20	PI2 BPSK	1	1	13.84	13.73	13.89				
20	PI2 BPSK	1	53	13.35	13.46	13.28	15	0		
20	PI2 BPSK	1	104	13.87	13.8	13.97				
20	PI2 BPSK	50	0	13.37	13.35	13.24				
20	PI2 BPSK	50	26	13.17	13.13	13.12	15	0		
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				
20	QPSK	1	53	13.96	14.03	14.01	15	0		
20	QPSK	1	104	14.01	14	14				
20	QPSK	50	0	13.26	13.34	13.33				
20	QPSK	50	26	13.87	13.82	13.91	15	0		
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	16QAM	1	1	13.02	13.16	13.43	15	0		
20	256QAM	1	1	13.12	13.66	13.82	15	0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	1717.5	1745	1772.5				
Channel										
Frequency (MHz)										
15	QPSK	1	1	13.97	14.01	14	15	0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	13.87	13.93	13.86	15	0		
Channel										
Frequency (MHz)										
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	PI/2 BPSK	1	1	18.04	18.21	17.95		
100	PI/2 BPSK	1	137	17.92	18.08	18.24	19.8	0
100	PI/2 BPSK	1	271	17.86	17.92	17.98		
100	PI/2 BPSK	135	0	18.04	18.11	18.15		
100	PI/2 BPSK	135	69	17.98	17.88	18.25	19.8	0
100	PI/2 BPSK	135	138	17.92	18.19	17.82		
100	PI/2 BPSK	270	0	17.98	18.03	17.93	19.8	0
100	QPSK	1	1	18.62	18.63	18.71		
100	QPSK	1	137	18.35	18.66	18.52	19.8	0
100	QPSK	1	271	18.23	18.51	18.22		
100	QPSK	135	0	18.28	18.39	18.24		
100	QPSK	135	69	18.52	18.71	18.46	19.8	0
100	QPSK	135	138	18.28	18.68	18.48		
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				508200	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)				2536	2593	2650		
80	QPSK	1	1	18.26	18.41	18.65	19.8	0
Channel				506200	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	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680		
20	QPSK	1	1	18.19	18.39	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)				2545	2593	2640		
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	20.06	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	19.88	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	19.88	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)				2609	2593	2680		
20	QPSK	1	1	19.99	20.05	19.97	20.9	0

Reduced power level 2 for Head-UAT

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.	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	13.55	
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	14.26	
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	13.86	
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 SCS15KHz 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	17.26	17.22	17.12	
20	PI/2 BPSK	1	53	17.12	17.05	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	16.76	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	17.26	17.14	
20	256QAM	1	1	17.13	17.16	17.14	
Channel				166300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	17.34	17.26	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	

n6 (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	348000	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	12.86	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	12.82	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	13.82	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	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	13.46	13.49	13.52	14.5	0	
Channel				343000	348000	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	348000	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 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				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			
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	17.68			
20	QPSK	50	0	17.58	17.8	17.48			
20	QPSK	50	28	18.23	18.25	18.21	19.3	0	
20	QPSK	50	56	17.95	17.98	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	680.5	690.5			
15	QPSK	1	1	18.03	18.03	18.01	19.3	0	
Channel				133600	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	695			
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	680.5	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	518600	526000		
Frequency (MHz)				2546	2593	2640		
100	PI/2 BPSK	1	1	17.07	17.24	16.98		
100	PI/2 BPSK	1	137	16.95	17.11	17.27	18.8	0
100	PI/2 BPSK	1	271	16.91	16.95	17.01		
100	PI/2 BPSK	135	0	17.07	17.14	17.18		
100	PI/2 BPSK	135	69	17.01	16.91	17.23	18.8	0
100	PI/2 BPSK	135	138	16.95	17.22	16.85		
100	PI/2 BPSK	270	0	17.02	17.06	16.96	18.8	0
100	QPSK	1	1	17.66	17.68	17.78		
100	QPSK	1	137	17.36	17.66	17.52	18.8	0
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		
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				505200	518600	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	518600	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				505200	518600	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	518600	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	518600	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	518600	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		
Frequency (MHz)				2545	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	19.9	0
100	PI/2 BPSK	1	271	19.23	19.3	19.93		
100	PI/2 BPSK	135	0	19.95	19.28	19.32		
100	PI/2 BPSK	135	69	19.19	19.02	19.08	19.9	0
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		
100	QPSK	1	137	19.25	19.39	19.41	19.9	0
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		
100	QPSK	270	0	19.09	19.26	19.18	19.9	0
100	16QAM	1	1	19.05	19.22	19.19	19.9	0
100	64QAM	1	1	18.89	18.87	18.82	19.9	0
100	256QAM	1	1	19.75	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	19.9	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2593	2650		
80	QPSK	1	1	19.02	19.01	19.27	19.9	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
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	19.9	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616	2593	2670		
40	QPSK	1	1	19.05	19.18	19.12	19.9	0
Channel				501200	518600	535000	Tune-up limit (dBm)	MPR (dB)
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 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				376000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850	1880	1900			
20	PI2 BPSK	1	1	13.47	13.5	13.84			
20	PI2 BPSK	1	53	13.53	13.36	13.65	15	0	
20	PI2 BPSK	1	104	13.46	13.43	13.53			
20	PI2 BPSK	50	0	13	13.27	13.64			
20	PI2 BPSK	50	28	13.03	13.14	13.58	15	0	
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			
20	QPSK	1	53	13.65	14.05	14.1	15	0	
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	15	0	
20	QPSK	50	56	13.86	14.03	14.23			
20	QPSK	100	0	13.76	14.22	14.24	15	0	
20	16QAM	1	1	13.66	13.82	14.1	15	0	
20	64QAM	1	1	13.57	13.58	13.68	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	13.89	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			
20	PI2 BPSK	1	53	17.12	17.05	17.02	18.3	0	
20	PI2 BPSK	1	104	17.05	17.18	16.92			
20	PI2 BPSK	50	0	17.22	17.12	16.86			
20	PI2 BPSK	50	28	16.76	16.96	16.82	18.3	0	
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			
20	QPSK	1	53	17.32	17.32	17.3	18.3	0	
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	18.3	0	
20	QPSK	50	56	17.33	17.34	17.32			
20	QPSK	100	0	17.34	17.35	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	17.34	17.26	17.25	18.3	0	
Channel				165800	167300	168300	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	

n8 (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				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	13.64	13.72	13.69			
20	PI2 BPSK	1	53	13.35	13.46	13.28	15	0	
20	PI2 BPSK	1	104	13.57	13.6	13.07			
20	PI2 BPSK	50	0	13.37	13.35	13.24			
20	PI2 BPSK	50	28	13.17	13.13	13.12	15	0	
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			
20	QPSK	1	53	13.96	14.03	14.01	15	0	
20	QPSK	1	104	14.01	14	14			
20	QPSK	50	0	13.26	13.34	13.33			
20	QPSK	50	28	13.87	13.92	13.91	15	0	
20	QPSK	50	56	13.53	13.48	13.42			
20	QPSK	100	0	13.87	13.75	13.72	15	0	
20	16QAM	1	1	13.76	13.54	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				343500	349000	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				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	13.87	13.93	13.89	15	0	
Channel				342500	349000	355000	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 SCS15KHz has 6MBW)								
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	680.5	688		
20	PI/2 BPSK	1	1	18.15	18.17	18.05	19.3	0
20	PI/2 BPSK	1	53	18.03	18.14	17.96		
20	PI/2 BPSK	1	104	18.02	18.02	17.9		
20	PI/2 BPSK	50	0	17.69	17.91	17.75	19.3	0
20	PI/2 BPSK	50	28	17.62	17.88	17.82		
20	PI/2 BPSK	50	56	17.52	17.45	17.47		
20	PI/2 BPSK	100	0	17.75	17.67	17.85	19.3	0
20	QPSK	1	1	18.38	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	17.88	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	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	680.5	690.5		
15	QPSK	1	1	18.03	18.03	18.01	19.3	0
Channel				133000	135000	137000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	17.99	17.85	17.69	19.3	0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	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				509200	518600	528000		
Frequency (MHz)				2546	2593	2640		
100	PI/2 BPSK	1	1	18.04	18.21	17.95		
100	PI/2 BPSK	1	137	17.92	18.08	18.24	19.8	0
100	PI/2 BPSK	1	271	17.86	17.92	17.98		
100	PI/2 BPSK	135	0	18.04	18.11	18.15		
100	PI/2 BPSK	135	69	17.98	17.88	18.25	19.8	0
100	PI/2 BPSK	135	138	17.92	18.19	17.82		
100	PI/2 BPSK	270	0	17.98	18.03	17.93	19.8	0
100	QPSK	1	1	18.62	18.63	18.71		
100	QPSK	1	137	18.35	18.66	18.52	19.8	0
100	QPSK	1	271	18.23	18.51	18.22		
100	QPSK	135	0	18.28	18.39	18.24		
100	QPSK	135	69	18.52	18.71	18.46	19.8	0
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				508200	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)				2536	2593	2650		
80	QPSK	1	1	18.26	18.41	18.65	19.8	0
Channel				506200	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	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2593	2680		
20	QPSK	1	1	18.19	18.39	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)				2545	2593	2640		
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	20.06	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	19.88	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	19.88	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)				2609	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)				1860	1880	1900			
20	Pi2 BPSK	1	1	15.03	15.06	15.4			
20	Pi2 BPSK	1	53	15.09	14.92	15.21			
20	Pi2 BPSK	1	104	15.02	14.99	15.09			
20	Pi2 BPSK	50	0	14.56	14.83	15.2			
20	Pi2 BPSK	50	28	14.59	14.7	15.14	16.5	0	
20	Pi2 BPSK	50	56	14.4	14.91	15.19			
20	Pi2 BPSK	100	0	14.62	14.79	15.03	16.5	0	
20	QPSK	1	1	15.12	15.26	15.39			
20	QPSK	1	53	14.96	15.38	15.41	16.5	0	
20	QPSK	1	104	15.18	15.37	15.39			
20	QPSK	50	0	15.08	15.47	15.61			
20	QPSK	50	28	15.1	15.47	15.55	16.5	0	
20	QPSK	50	56	15.17	15.36	15.54			
20	QPSK	100	0	15.09	15.54	15.58	16.5	0	
20	16QAM	1	1	15.11	15.25	15.53	16.5	0	
20	64QAM	1	1	14.99	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)				1867.5	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)				1855	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)				1852.5	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	Pi2 BPSK	1	1	17.18	17.14	17.04			
20	Pi2 BPSK	1	53	17.04	16.97	16.84			
20	Pi2 BPSK	1	104	16.97	17.1	16.84	18.3	0	
20	Pi2 BPSK	50	0	17.14	17.04	16.78			
20	Pi2 BPSK	50	28	16.88	16.88	16.44	18.3	0	
20	Pi2 BPSK	50	56	16.73	16.65	16.59			
20	Pi2 BPSK	100	0	17.1	16.94	16.77	18.3	0	
20	QPSK	1	1	17.21	17.42	17.38			
20	QPSK	1	53	17.24	17.23	17.22	18.3	0	
20	QPSK	1	104	17.22	17.25	17.14			
20	QPSK	50	0	17.25	17.27	17.22			
20	QPSK	50	28	17.18	17.23	17.17	18.3	0	
20	QPSK	50	56	17.19	17.22	17.2			
20	QPSK	100	0	17.26	17.25	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	168300	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	Pi2 BPSK	1	1	15.9	15.99	15.95			
20	Pi2 BPSK	1	53	15.81	15.72	15.54			
20	Pi2 BPSK	1	104	15.83	15.86	15.33	17	0	
20	Pi2 BPSK	50	0	15.63	15.61	15.5			
20	Pi2 BPSK	50	28	15.43	15.39	15.38	17	0	
20	Pi2 BPSK	50	56	15.5	15.57	15.52			
20	Pi2 BPSK	100	0	15.72	15.83	15.39	17	0	
20	QPSK	1	1	15.96	15.95	16			
20	QPSK	1	53	15.99	15.96	15.94	17	0	
20	QPSK	1	104	15.94	15.93	15.93			
20	QPSK	50	0	15.26	15.36	15.29			
20	QPSK	50	28	15.3	15.83	15.84	17	0	
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	14.85	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 SCS15KHz has 6MBW)								
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	680.5	688		
20	PI/2 BPSK	1	1	18.15	18.17	18.05	19.3	0
20	PI/2 BPSK	1	53	18.03	18.14	17.96		
20	PI/2 BPSK	1	104	18.02	18.02	17.9		
20	PI/2 BPSK	50	0	17.69	17.91	17.75	19.3	0
20	PI/2 BPSK	50	28	17.62	17.88	17.82		
20	PI/2 BPSK	50	56	17.52	17.45	17.47		
20	PI/2 BPSK	100	0	17.75	17.67	17.85	19.3	0
20	QPSK	1	1	18.38	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	17.88	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	64QAM	1	1	18.14	18.21	18.19	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				133000	135000	137000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688	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)				685.5	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	518600	526000		
Frequency (MHz)				2546	2593	2640		
100	PI/2 BPSK	1	1	17.07	17.24	16.98		
100	PI/2 BPSK	1	137	16.95	17.11	17.27	18.8	0
100	PI/2 BPSK	1	271	16.91	16.95	17.01		
100	PI/2 BPSK	135	0	17.07	17.14	17.18		
100	PI/2 BPSK	135	69	17.01	16.91	17.23	18.8	0
100	PI/2 BPSK	135	138	16.95	17.22	16.85		
100	PI/2 BPSK	270	0	17.02	17.06	16.96	18.8	0
100	QPSK	1	1	17.66	17.68	17.78		
100	QPSK	1	137	17.36	17.66	17.52	18.8	0
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		
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	518600	528000	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	518600	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				505200	518600	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	518600	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	518600	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	518600	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		
Frequency (MHz)				2545	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	19.9	0
100	PI/2 BPSK	1	271	19.23	19.3	19.93		
100	PI/2 BPSK	135	0	19.95	19.28	19.32		
100	PI/2 BPSK	135	69	19.19	19.02	19.08	19.9	0
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		
100	QPSK	1	137	19.25	19.39	19.41	19.9	0
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		
100	QPSK	270	0	19.09	19.26	19.18	19.9	0
100	16QAM	1	1	19.05	19.22	19.19	19.9	0
100	64QAM	1	1	18.89	18.87	18.82	19.9	0
100	256QAM	1	1	19.75	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	19.9	0
Channel				507200	518600	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2593	2650		
80	QPSK	1	1	19.02	19.01	19.27	19.9	0
Channel				505200	518600	532000	Tune-up limit (dBm)	MPR (dB)
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	19.9	0
Channel				503200	518600	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616	2593	2670		
40	QPSK	1	1	19.05	19.18	19.12	19.9	0
Channel				501200	518600	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2608	2593	2680		
20	QPSK	1	1	19.08	19.2	19.06	19.9	0

n2 (only SCS150kHz has SM 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			
Frequency (MHz)				1860	1880	1900			
20	Pi2 BPSK	1	1	22.39	22.58	22.88			
20	Pi2 BPSK	1	53	22.32	22.4	22.69			
20	Pi2 BPSK	1	104	22.16	22.26	22.39			
20	Pi2 BPSK	50	0	22.24	22.56	22.68			
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			
20	QPSK	1	1	22.55	22.78	23.03			
20	QPSK	1	53	22.38	22.74	22.84			
20	QPSK	1	104	22.63	22.76	22.87			
20	QPSK	50	0	21.45	21.77	22.03			
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			
20	16QAM	1	1	21.52	21.79	22.07			
20	64QAM	1	1	19.88	20.13	20.4			
20	256QAM	1	1	18.31	18.42	18.72			
Channel				37150	37600	38050			
Frequency (MHz)				187.5	1880	1902.5			
15	QPSK	1	1	22.47	22.71	22.94			
Channel				37100	37600	38100			
Frequency (MHz)				186.5	1880	1905			
10	QPSK	1	1	22.37	22.62	22.77			
Channel				37050	37600	38150			
Frequency (MHz)				182.5	1880	1907.5			
5	QPSK	1	1	22.32	22.7	22.74			

n5 (only SCS150kHz has SM 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			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.78	22.89	22.99			
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			
20	Pi2 BPSK	50	28	22.34	22.68	22.65			
20	Pi2 BPSK	50	56	22.62	22.69	22.45			
20	Pi2 BPSK	100	0	22.78	22.82	22.32			
20	QPSK	1	1	23.16	23.31	23.03			
20	QPSK	1	53	22.99	22.92	22.97			
20	QPSK	1	104	23.1	22.96	22.94			
20	QPSK	50	0	22.07	22.08	22.11			
20	QPSK	50	28	22.99	23.01	22.97			
20	QPSK	50	56	22.09	21.92	22.04			
20	QPSK	100	0	22.08	22.1	22.08			
20	16QAM	1	1	22.17	22.12	22.07			
20	64QAM	1	1	20.33	20.28	20.23			
20	256QAM	1	1	18.63	18.67	18.6			
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.04	22.99	23.01			
Channel				166800	167300	168800			
Frequency (MHz)				835	836.5	844			
10	QPSK	1	1	22.87	22.84	22.94			
Channel				166300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.79	22.83	22.78			

n86 (only SCS150kHz has SM 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			
Frequency (MHz)				1720	1745	1770			
20	Pi2 BPSK	1	1	22.68	22.88	22.8			
20	Pi2 BPSK	1	53	22.66	22.84	22.75			
20	Pi2 BPSK	1	104	22.32	22.78	22.61			
20	Pi2 BPSK	50	0	22.59	22.82	22.52			
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			
20	QPSK	1	1	22.98	23.01	22.84			
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			
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			
20	16QAM	1	1	21.96	21.8	21.72			
20	64QAM	1	1	20.41	20.44	20.33			
20	256QAM	1	1	18.66	18.61	18.5			
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.93	22.86	22.7			
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.88	22.84	22.52			
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.79	22.59	22.45			

n71 (only SC3150kHz 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	680.5	688			
20	PI/2 BPSK	1	1	22.78	22.92	22.76			
20	PI/2 BPSK	1	33	22.62	22.96	22.61	24.3	0	
20	PI/2 BPSK	1	104	22.59	22.45	22.45			
20	PI/2 BPSK	50	0	22.34	22.13	22.26			
20	PI/2 BPSK	50	28	22.26	22.45	22.16	24.3	0	
20	PI/2 BPSK	50	66	22.56	22.39	22.33			
20	PI/2 BPSK	100	0	22.29	22.83	22.45	24.3	0	
20	QPSK	1	1	23.03	23.06	22.98			
20	QPSK	1	53	22.78	22.86	22.7	24.3	0	
20	QPSK	1	104	22.75	22.8	22.65			
20	QPSK	50	0	21.9	21.95	21.86			
20	QPSK	50	28	22.83	22.88	22.71	24.3	0	
20	QPSK	50	66	21.82	21.86	21.75			
20	QPSK	100	0	21.87	21.91	21.84	23.3	1	
20	16QAM	1	1	20.98	21.92	21.94	23.3	1	
20	16QAM	1	1	20.35	20.34	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	136100	138000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
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	696.5			
5	QPSK	1	1	22.72	22.65	22.6	24.3	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	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	22.98	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	22.78	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									
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	23.65	23.85	23.88			
100	PV2 BPSK	1	137	23.55	23.85	23.70	24.4	0	
100	PV2 BPSK	1	271	23.82	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	530000	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	23.38	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	23.88	23.76	24.4	0	

Reduced power for Hotspot on-LAT

n2 (only SCS19KHz has 5M BW)

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
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	18.26	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	18.28	18.68	20.3	0
20	QPSK	1	1	19.08	18.96	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	19.09	19.18	20.3	0
20	16QAM	1	1	19.22	18.99	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	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	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)				1855	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)				1852.5	1880	1907.5		
5	QPSK	1	1	18.87	18.67	18.53	20.3	0

n5 (only SCS19KHz has 5M BW)

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				168800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	Pi2 BPSK	1	1	19.56	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	19.96	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	19.86	19.97	19.91		
20	QPSK	100	0	20.06	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				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				828.5	836.5	844.5		
10	QPSK	1	1	20.04	20.09	20.02	21.3	0
Channel				168800	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				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				828.5	836.5	846.5		
5	QPSK	1	1	19.76	19.82	19.72	21.3	0

n8 (only SCS19KHz has 5M BW)

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	Pi2 BPSK	1	1	19.01	19.21	19.13	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	18.99	18.1	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	19.48	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		
15	QPSK	1	1	19.51	19.47	19.4	20.8	0
Channel				343000	349000	350000	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 SCS15KHz has 6M BW)

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Midline Ch. / Freq.	Power High Ch. / Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				672	680.5	688		
20	PI/2 BPSK	1	1	20.69	20.83	20.67	22.3	0
20	PI/2 BPSK	1	63	20.63	20.47	20.52		
20	PI/2 BPSK	1	104	20.5	20.36	20.36		
20	PI/2 BPSK	60	0	20.25	20.04	20.17	22.3	0
20	PI/2 BPSK	60	28	20.17	20.36	20.07		
20	PI/2 BPSK	60	56	20.47	20.3	20.24		
20	PI/2 BPSK	100	0	20.2	20.54	20.36	22.3	0
20	QPSK	1	1	21.13	21.16	21.15		
20	QPSK	1	63	20.83	20.66	20.77		
20	QPSK	1	104	20.8	20.87	20.72	22.3	0
20	QPSK	60	0	19.97	20.02	19.93		
20	QPSK	60	28	20.9	21	20.89		
20	QPSK	60	56	19.89	19.93	19.82	22.3	0
20	QPSK	100	0	20.88	20.96	20.8		
20	16QAM	1	1	20.71	20.82	20.77		
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	136100		
Frequency (MHz)				670.5	680.5	689.3		
15	QPSK	1	1	21.53	20.99	20.92	22.3	0
Channel				133600	136100	136000		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	20.88	20.8	20.76	22.3	0
Channel				133100	136100	136100		
Frequency (MHz)				666.5	680.5	682.5		
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		
Frequency (MHz)				2546	2593	2640		
100	PI/2 BPSK	1	1	17.85	17.59	17.52	18.4	0
100	PI/2 BPSK	1	137	17.35	17.49	17.43		
100	PI/2 BPSK	1	271	17.42	17.42	17.45		
100	PI/2 BPSK	135	0	17.25	17.57	17.21	18.4	0
100	PI/2 BPSK	135	69	17.21	17.16	17.02		
100	PI/2 BPSK	135	138	17.12	17.09	17.29		
100	PI/2 BPSK	270	0	17.36	17.49	17.41	18.4	0
100	QPSK	1	1	17.62	17.72	17.71		
100	QPSK	1	137	17.38	17.62	17.68	18.4	0
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	17.6	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	530000	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)				2521	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	2670		
40	QPSK	1	1	17.51	17.53	17.61	18.4	0
Channel				501200	518600	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2509	2593	2680		
20	QPSK	1	1	17.54	17.6	17.62	18.4	0

n2 (only SCS 15KHz 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			
Frequency (MHz)				1960	1980	1900			
20	Pi/2 BPSK	1	1	19.47	19.88	19.75			
20	Pi/2 BPSK	1	53	19.4	19.48	19.56			
20	Pi/2 BPSK	1	104	19.23	19.34	19.26	21.3	0	
20	Pi/2 BPSK	50	0	19.32	19.64	19.53			
20	Pi/2 BPSK	50	28	19.27	19.21	19.54	21.3	0	
20	Pi/2 BPSK	50	56	19.36	19.4	19.72			
20	Pi/2 BPSK	100	0	19.41	19.53	19.71	21.3	0	
20	QPSK	1	1	20.14	20.02	20.3			
20	QPSK	1	53	20.13	19.93		21.3	0	
20	QPSK	1	104	20.03	19.9	20.08			
20	QPSK	50	0	20.1	19.98	20.14			
20	QPSK	50	28	20.18	20.06	20.27	21.3	0	
20	QPSK	50	56	20.1	19.81	19.95			
20	QPSK	100	0	20.19	20.15	20.24	21.3	0	
20	16QAM	1	1	20.28	20.05	20.12	21.3	0	
20	64QAM	1	1	20.19	20.17	20.22	21.3	0	
20	256QAM	1	1	19.85	18.63	18.67	20.3	1	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1827.5	1880	1902.5			
15	QPSK	1	1	20.06	19.99	19.83	21.3	0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	19.97	19.75	19.63	21.3	0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	19.93	19.79	19.59	21.3	0	

n66 (only SCS 15KHz 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			
Frequency (MHz)				1720	1745	1770			
20	Pi/2 BPSK	1	1	18.73	18.83	18.86			
20	Pi/2 BPSK	1	53	18.71	18.69	18.8			
20	Pi/2 BPSK	1	104	18.37	18.83	18.66	20.3	0	
20	Pi/2 BPSK	50	0	18.64	18.67	18.57			
20	Pi/2 BPSK	50	28	18.69	18.64	18.71	20.3	0	
20	Pi/2 BPSK	50	56	18.31	18.62	18.5			
20	Pi/2 BPSK	100	0	18.44	18.86	18.46	20.3	0	
20	QPSK	1	1	19.18	19.2	19.13			
20	QPSK	1	53	18.91	19.03	18.85	20.3	0	
20	QPSK	1	104	18.88	18.95	18.8			
20	QPSK	50	0	18.73	18.78	18.69			
20	QPSK	50	28	18.98	18.04	18.86	20.3	0	
20	QPSK	50	56	18.65	18.69	18.58			
20	QPSK	100	0	18.91	18.95	18.88	20.3	0	
20	16QAM	1	1	19.04	18.9	18.92	20.3	0	
20	64QAM	1	1	18.74	18.77	18.76	20.3	0	
20	256QAM	1	1	18.42	18.51	18.38	19.3	1	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
15	QPSK	1	1	19.07	19.03	18.96	20.3	0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.92	18.84	18.8	20.3	0	
Channel				342500	349000	350500	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	

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)				2516	2593	2670		
100	PI/2 BPSK	1	1	17.45	17.59	17.52	18.4	0
100	PI/2 BPSK	1	137	17.35	17.49	17.43		
100	PI/2 BPSK	1	271	17.42	17.42	17.45		
100	PI/2 BPSK	135	0	17.25	17.57	17.21	18.4	0
100	PI/2 BPSK	135	69	17.21	17.16	17.02		
100	PI/2 BPSK	135	138	17.12	17.09	17.29		
100	PI/2 BPSK	270	0	17.36	17.49	17.41	18.4	0
100	QPSK	1	1	17.62	17.72	17.71		
100	QPSK	1	137	17.38	17.62	17.68	18.4	0
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)				2541	2593	2645		
90	QPSK	1	1	17.48	17.6	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)				2521	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	2670		
40	QPSK	1	1	17.51	17.53	17.61	18.4	0
Channel				501200	518600	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2509	2593	2690		
20	QPSK	1	1	17.54	17.6	17.62	18.4	0

Bluetooth Full Power

BT 2.0(ANT1)

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			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	11.90
	CH 39	2441	11.10	10.90	10.90	9.00	8.90	8.80	9.00	8.90	8.80	12.90
	CH 78	2480	11.10	11.00	10.90	9.00	8.90	8.80	9.00	8.90	8.90	12.90

BT 2.0(ANT2)

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			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	6.50
	CH 39	2441	5.00	4.90	4.90	3.10	3.00	3.00	3.00	2.90	2.90	6.90
	CH 78	2480	4.80	4.70	4.70	2.90	2.80	2.80	2.90	2.80	2.80	6.70

BT 4.0(ANT1)

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
			LE	CH 00
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
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
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
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)									Tune-up Limit
			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	7.20
	CH 39	2441	5.90	5.80	5.80	4.10	4.00	4.00	4.10	4.00	4.00	7.80
	CH 78	2480	5.60	5.50	5.50	3.80	3.70	3.70	3.80	3.70	3.70	7.50

BT 4.0(ANT1)

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
			LE	CH 00
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
CH 19	2440	4.10		6.10
CH 39	2480	3.80		5.80

WLAN Full Power

2.4GHz WLAN		Ant 1+2				
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				
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		
	48	5240	17.55	19.55		
802.11n-HT20 MCS0	36	5180	16.98	18.98	100.00	
	40	5200	17.15	19.15		
	44	5220	17.12	19.12		
	48	5240	17.00	19.00		
802.11n-HT40 MCS0	38	5190	17.23	19.23	100.00	
	46	5230	17.26	19.26		
802.11ac-VHT20 MCS0	36	5180	16.94	18.94	100.00	
	40	5200	17.10	19.10		
	44	5220	17.05	19.05		
	48	5240	16.95	18.95		
802.11ac-VHT40 MCS0	38	5190	17.17	19.17	100.00	
	46	5230	17.21	19.21		
802.11ac-VHT80 MCS0	42	5210	16.34	18.34	100.00	
	42	5210	16.34	18.34		
802.11ax-HE20 MCS0	36	5180	17.21	19.21	100.00	
	40	5200	17.13	19.13		
	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				
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	17.38	19.38		
	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	
	52	5260	17.32	19.32		
802.11ax-HE20 MCS0	56	5280	17.30	19.30	100.00	
	60	5300	17.39	19.39		
	64	5320	17.45	19.45		
	54	5270	17.57	19.57		
802.11ax-HE40 MCS0	62	5310	15.85	17.85	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				
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		
802.11n-HT20 MCS0	144	5720	16.02	18.02	100.00	
	100	5500	15.35	17.35		
	116	5580	16.13	18.13		
	124	5620	16.03	18.03		
	132	5660	16.06	18.06		
802.11n-HT40 MCS0	140	5700	15.42	17.42	100.00	
	144	5720	15.93	17.93		
	102	5510	15.51	17.51		
	110	5550	16.21	18.21		
	126	5630	16.02	18.02		
802.11ac-VHT20 MCS0	134	5670	16.36	18.36	100.00	
	142	5710	16.52	18.52		
	100	5500	15.31	17.31		
	116	5580	16.02	18.02		
	124	5620	15.92	17.92		
802.11ac-VHT40 MCS0	132	5660	15.83	17.83	100.00	
	140	5700	15.39	17.39		
	144	5720	15.88	17.88		
	102	5510	15.48	17.48		
	110	5550	16.17	18.17		
802.11ac-VHT80 MCS0	126	5630	15.98	17.98	100.00	
	134	5670	16.32	18.32		
	142	5710	16.45	18.45		
	106	5530	15.30	17.30		
	122	5610	15.08	17.08		
802.11ax-HE20 MCS0	138	5690	15.08	17.08	100.00	
	100	5500	16.12	18.12		
	116	5580	16.05	18.05		
	124	5620	16.06	18.06		
	132	5660	15.97	17.97		
802.11ax-HE40 MCS0	140	5700	14.15	16.15	100.00	
	144	5720	15.85	17.85		
	102	5510	16.51	18.51		
	110	5550	16.12	18.12		
	126	5630	16.11	18.11		
802.11ax-HE80 MCS0	134	5670	15.99	17.99	100.00	
	142	5710	15.88	17.88		
	106	5530	15.31	17.31		
802.11ax-HE80 MCS0	122	5610	14.84	16.84	100.00	
	138	5690	14.64	16.64		
	138	5690	14.64	16.64		

5GHz WLAN		Ant 1+2				
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		
	149	5745	16.18	18.18		
802.11ac-VHT20 MCS0	157	5785	16.11	18.11	100.00	
	165	5825	16.12	18.12		
	151	5755	16.39	18.39		
802.11ac-VHT40 MCS0	159	5795	16.34	18.34	100.00	
	155	5775	14.16	16.16		
	149	5745	16.08	18.08		
802.11ax-HE20 MCS0	157	5785	15.97	17.97	100.00	
	165	5825	16.01	18.01		
	151	5755	16.27	18.27		
802.11ax-HE40 MCS0	159	5795	16.00	18.00	100.00	
	155	5775	14.96	16.96		

Reduced Power Level 1 for Head

2.4GHz WLAN		Ant 1+2				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	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				
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				
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		
	48	5240	15.49	17.49		
802.11n-HT20 MCS0	36	5180	14.96	16.96	100.00	
	40	5200	15.09	17.09		
	44	5220	14.98	16.98		
	48	5240	14.96	16.96		
802.11n-HT40 MCS0	38	5190	15.20	17.20	100.00	
	46	5230	15.23	17.23		
802.11ac-VHT20 MCS0	36	5180	14.90	16.90	100.00	
	40	5200	15.14	17.14		
	44	5220	15.09	17.09		
	48	5240	15.01	17.01		
802.11ac-VHT40 MCS0	38	5190	15.12	17.12	100.00	
	46	5230	15.32	17.32		
802.11ac-VHT80 MCS0	42	5210	14.27	16.27	100.00	
802.11ax-HE20 MCS0	36	5180	15.11	17.11	100.00	
	40	5200	15.18	17.18		
	44	5220	15.17	17.17		
802.11ax-HE40 MCS0	48	5240	15.30	17.30	100.00	
	38	5190	14.45	16.45		
802.11ax-HE80 MCS0	46	5230	15.38	17.38	100.00	
802.11ax-HE80 MCS0	42	5210	14.08	16.08	100.00	

5GHz WLAN		Ant 1+2				
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		
	64	5320	15.64	17.64		
802.11ac-VHT40 MCS0	54	5270	15.40	17.40	100.00	
	62	5310	14.65	16.65		
802.11ac-VHT80 MCS0	58	5290	12.26	14.26	100.00	
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				
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		
802.11n-HT20 MCS0	144	5720	15.11	17.11	100.00	
	100	5500	14.44	16.44		
	116	5580	15.36	17.36		
	124	5620	15.17	17.17		
	132	5660	15.20	17.20		
802.11n-HT40 MCS0	140	5700	14.56	16.56	100.00	
	144	5720	15.00	17.00		
	102	5510	14.55	16.55		
	110	5550	15.42	17.42		
	126	5630	15.03	17.03		
802.11ac-VHT20 MCS0	134	5670	15.41	17.41	100.00	
	142	5710	15.64	17.64		
	100	5500	14.49	16.49		
	116	5580	15.15	17.15		
	124	5620	14.92	16.92		
802.11ac-VHT40 MCS0	132	5660	14.99	16.99	100.00	
	140	5700	14.47	16.47		
	144	5720	15.13	17.13		
	102	5510	14.64	16.64		
	110	5550	15.14	17.14		
802.11ac-VHT80 MCS0	126	5630	15.06	17.06	100.00	
	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		
	100	5500	15.29	17.29		
	116	5580	15.18	17.18		
	124	5620	15.25	17.25		
802.11ax-HE20 MCS0	132	5660	15.20	17.20	100.00	
	140	5700	13.22	15.22		
	144	5720	14.91	16.91		
	102	5510	15.57	17.57		
	110	5550	15.27	17.27		
802.11ax-HE40 MCS0	126	5630	15.25	17.25	100.00	
	134	5670	15.18	17.18		
	142	5710	14.93	16.93		
	106	5530	14.63	16.63		
	122	5610	13.92	15.92		
802.11ax-HE80 MCS0	138	5690	13.80	15.80	100.00	

5GHz WLAN		Ant 1+2				
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	
	149	5745	15.19	17.19		
	157	5785	14.95	16.95		
802.11ax-HE20 MCS0	165	5825	15.14	17.14	100.00	
	151	5755	15.43	17.43		
	159	5795	15.09	17.09		
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				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	16.96	16.96	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				
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	
	42	5210	13.38	15.38		
802.11ax-HE20 MCS0	36	5180	14.23	16.23	100.00	
	40	5200	14.06	16.06		
	44	5220	14.30	16.30		
802.11ax-HE40 MCS0	38	5190	13.42	15.42	100.00	
	46	5230	14.38	16.38		
802.11ax-HE80 MCS0	42	5210	13.13	15.13	100.00	

5GHz WLAN		Ant 1+2				
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		
802.11ax-HE40 MCS0	62	5310	12.94	14.94	100.00	
	62	5310	12.94	14.94		
802.11ax-HE80 MCS0	58	5290	13.33	15.33	100.00	

5GHz WLAN		Ant 1+2				
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		
802.11n-HT20 MCS0	144	5720	14.23	16.23	100.00	
	100	5500	13.36	15.36		
	116	5580	14.19	16.19		
	124	5620	14.29	16.29		
	132	5660	14.13	16.13		
802.11n-HT40 MCS0	140	5700	13.51	15.51	100.00	
	144	5720	14.00	16.00		
	102	5510	13.71	15.71		
	110	5550	14.35	16.35		
	126	5630	14.30	16.30		
802.11ac-VHT20 MCS0	134	5670	14.54	16.54	100.00	
	142	5710	14.57	16.57		
	100	5500	13.46	15.46		
	116	5580	14.08	16.08		
	124	5620	14.06	16.06		
802.11ac-VHT40 MCS0	132	5660	13.96	15.96	100.00	
	140	5700	13.57	15.57		
	144	5720	13.95	15.95		
	102	5510	13.66	15.66		
	110	5550	14.17	16.17		
802.11ac-VHT80 MCS0	126	5630	13.93	15.93	100.00	
	134	5670	14.29	16.29		
	142	5710	14.61	16.61		
	106	5530	13.39	15.39		
	122	5610	13.17	15.17		
802.11ac-VHT160 MCS0	138	5690	13.12	15.12	100.00	
	114	5570	14.11	16.11		
802.11ax-HE20 MCS0	100	5500	14.22	16.22	100.00	
	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	100.00	
	102	5510	14.63	16.63		
	110	5550	14.27	16.27		
	126	5630	14.23	16.23		
	134	5670	14.25	16.25		
802.11ax-HE80 MCS0	142	5710	13.93	15.93	100.00	
	106	5530	13.37	15.37		
	122	5610	12.89	14.89		
	138	5690	12.78	14.78		

5.8GHz WLAN		Ant 1+2				
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	
	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		

Reduced Power Level 4 for Head

2.4GHz WLAN		Ant 1+2				
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				
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		
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		
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				
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		
802.11n-HT40 MCS0	64	5320	13.60	15.60	100.00	
	54	5270	13.61	15.61		
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	
802.11ax-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				
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		
802.11n-HT20 MCS0	144	5720	13.12	15.12	100.00	
	100	5500	12.36	14.36		
	116	5580	13.10	15.10		
	124	5620	13.16	15.16		
	132	5660	13.14	15.14		
802.11n-HT40 MCS0	140	5700	12.39	14.39	100.00	
	144	5720	12.97	14.97		
	102	5510	12.77	14.77		
	110	5550	13.30	15.30		
	126	5630	13.19	15.19		
802.11ac-VHT20 MCS0	134	5670	13.45	15.45	100.00	
	142	5710	13.63	15.63		
	100	5500	12.37	14.37		
	116	5580	13.04	15.04		
	124	5620	13.17	15.17		
802.11ac-VHT40 MCS0	132	5660	12.92	14.92	100.00	
	140	5700	12.45	14.45		
	144	5720	12.98	14.98		
	102	5510	12.62	14.62		
	110	5550	13.14	15.14		
802.11ac-VHT80 MCS0	126	5630	13.17	15.17	100.00	
	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-VHT160 MCS0	138	5690	12.21	14.21	100.00	
802.11ax-HE20 MCS0	114	5570	13.10	15.10	100.00	
	100	5500	13.28	15.28		
	116	5580	13.17	15.17		
	124	5620	13.26	15.26		
	132	5660	13.06	15.06		
802.11ax-HE40 MCS0	140	5700	11.30	13.30	100.00	
	144	5720	12.92	14.92		
	102	5510	13.49	15.49		
	110	5550	13.24	15.24		
	126	5630	13.18	15.18		
802.11ax-HE80 MCS0	134	5670	13.10	15.10	100.00	
	142	5710	12.86	14.86		
	106	5530	12.37	14.37		
	122	5610	11.99	13.99		
	138	5690	11.75	13.75		

5GHz WLAN		Ant 1+2				
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				
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	18.86	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				
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	16.62	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 2 for Hotspot

2.4GHz WLAN		Ant 1+2				
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				
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		
	48	5240	15.49	17.49		
802.11n-HT20 MCS0	36	5180	14.96	16.96	100.00	
	40	5200	15.09	17.09		
	44	5220	14.98	16.98		
	48	5240	14.96	16.96		
802.11n-HT40 MCS0	38	5190	15.20	17.20	100.00	
	46	5230	15.23	17.23		
802.11ac-VHT20 MCS0	36	5180	14.90	16.90	100.00	
	40	5200	15.14	17.14		
	44	5220	15.09	17.09		
	48	5240	15.01	17.01		
802.11ac-VHT40 MCS0	38	5190	15.12	17.12	100.00	
	46	5230	15.32	17.32		
802.11ac-VHT80 MCS0	42	5210	14.27	16.27	100.00	
	42	5210	14.27	16.27		
802.11ax-HE20 MCS0	36	5180	15.11	17.11	100.00	
	40	5200	15.18	17.18		
	44	5220	15.17	17.17		
802.11ax-HE40 MCS0	48	5240	15.30	17.30	100.00	
	38	5190	14.45	16.45		
	46	5230	15.38	17.38		
802.11ax-HE80 MCS0	42	5210	14.08	16.08	100.00	

5GHz WLAN		Ant 1+2				
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		
	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		
	155	5775	12.15	14.15		
802.11ac-VHT80 MCS0	149	5745	14.19	16.19	100.00	
	157	5785	13.95	15.95		
	165	5825	14.14	16.14		
802.11ax-HE20 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 Hotspot

2.4GHz WLAN		Ant 1+2				
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				
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	
	42	5210	12.37	14.37		
802.11ax-HE20 MCS0	36	5180	13.07	15.07	100.00	
	40	5200	12.98	14.98		
	44	5220	13.19	15.19		
802.11ax-HE40 MCS0	48	5240	13.18	15.18	100.00	
	38	5190	12.36	14.36		
	46	5230	13.24	15.24		
802.11ax-HE80 MCS0	42	5210	12.06	14.06	100.00	

5GHz WLAN		Ant 1+2				
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		
	159	5795	12.49	14.49		
802.11ac-VHT20 MCS0	149	5745	12.34	14.34	100.00	
	157	5785	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		
802.11ac-VHT80 MCS0	155	5775	10.25	12.25	100.00	
	155	5775	10.25	12.25		
802.11ax-HE20 MCS0	149	5745	12.20	14.20	100.00	
	157	5785	11.93	13.93		
	165	5825	12.21	14.21		
802.11ax-HE40 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				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	13.86	15.86	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				
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		
802.11n-HT40 MCS0	38	5190	13.30	15.30	100.00	
	46	5230	13.17	15.17		
	36	5180	12.86	14.86		
802.11ac-VHT20 MCS0	40	5200	13.00	15.00	100.00	
	44	5220	13.05	15.05		
	48	5240	12.95	14.95		
	38	5190	13.18	15.18		
802.11ac-VHT40 MCS0	46	5230	13.32	15.32	100.00	
	42	5210	12.37	14.37		
802.11ac-VHT80 MCS0	36	5180	13.07	15.07	100.00	
	40	5200	12.98	14.98		
	44	5220	13.19	15.19		
802.11ax-HE20 MCS0	48	5240	13.18	15.18	100.00	
	38	5190	12.36	14.36		
	46	5230	13.24	15.24		
802.11ax-HE40 MCS0	42	5210	12.06	14.06	100.00	

5GHz WLAN		Ant 1+2				
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		
	155	5775	10.02	12.02		

Reduced Power Level 2 for Body/Product Specific

2.4GHz WLAN		Ant 1+2				
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				
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		
	48	5240	15.49	17.49		
802.11n-HT20 MCS0	36	5180	14.96	16.96	100.00	
	40	5200	15.09	17.09		
	44	5220	14.98	16.98		
	48	5240	14.96	16.96		
802.11n-HT40 MCS0	38	5190	15.20	17.20	100.00	
	46	5230	15.23	17.23		
802.11ac-VHT20 MCS0	36	5180	14.90	16.90	100.00	
	40	5200	15.14	17.14		
	44	5220	15.09	17.09		
	48	5240	15.01	17.01		
802.11ac-VHT40 MCS0	38	5190	15.12	17.12	100.00	
	46	5230	15.32	17.32		
802.11ac-VHT80 MCS0	42	5210	14.27	16.27	100.00	
	42	5210	14.27	16.27		
802.11ax-HE20 MCS0	36	5180	15.11	17.11	100.00	
	40	5200	15.18	17.18		
	44	5220	15.17	17.17		
802.11ax-HE40 MCS0	48	5240	15.30	17.30	100.00	
	38	5190	14.45	16.45		
	46	5230	15.38	17.38		
802.11ax-HE80 MCS0	42	5210	14.08	16.08	100.00	

5GHz WLAN		Ant 1+2				
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		
	64	5320	15.64	17.64		
802.11ac-VHT40 MCS0	54	5270	15.40	17.40	100.00	
	62	5310	14.65	16.65		
802.11ac-VHT80 MCS0	58	5290	12.26	14.26	100.00	
	52	5260	15.44	17.44		
802.11ax-HE20 MCS0	56	5280	15.23	17.23	100.00	
	60	5300	15.45	17.45		
	64	5320	15.59	17.59		
	54	5270	15.73	17.73		
802.11ax-HE40 MCS0	62	5310	13.81	15.81	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				
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		
	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		
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		
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		
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		
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	
	100	5500	14.36	16.36		
	116	5580	14.36	16.36		
802.11ax-HE20 MCS0	124	5620	14.15	16.15	100.00	
	132	5660	14.12	16.12		
	140	5700	12.11	14.11		
	144	5720	13.91	15.91		
	102	5510	14.55	16.55		
802.11ax-HE40 MCS0	110	5550	14.33	16.33	100.00	
	126	5630	14.38	16.38		
	134	5670	14.01	16.01		
	142	5710	14.11	16.11		
802.11ax-HE80 MCS0	106	5530	13.29	15.29	100.00	
	122	5610	13.03	15.03		
	138	5690	12.79	14.79		

5GHz WLAN		Ant 1+2				
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	14.52	16.52	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				
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				
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		
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		
802.11ax-HE40 MCS0	48	5240	13.18	15.18	100.00	
	38	5190	12.36	14.36		
802.11ax-HE80 MCS0	46	5230	13.24	15.24	100.00	
802.11ax-HE80 MCS0	42	5210	12.06	14.06	100.00	

5GHz WLAN		Ant 1+2				
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		
802.11n-HT40 MCS0	64	5320	13.60	15.60	100.00	
	54	5270	13.61	15.61		
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				
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		
802.11n-HT20 MCS0	144	5720	12.12	14.12	100.00	
	100	5500	11.36	13.36		
	116	5580	12.10	14.10		
	124	5620	12.16	14.16		
	132	5660	12.14	14.14		
802.11n-HT40 MCS0	140	5700	11.39	13.39	100.00	
	144	5720	11.97	13.97		
	102	5510	11.77	13.77		
	110	5550	12.30	14.30		
	126	5630	12.19	14.19		
802.11ac-VHT20 MCS0	134	5670	12.45	14.45	100.00	
	142	5710	12.63	14.63		
	100	5500	11.37	13.37		
	116	5580	12.04	14.04		
	124	5620	12.17	14.17		
802.11ac-VHT40 MCS0	132	5660	11.92	13.92	100.00	
	140	5700	11.45	13.45		
	144	5720	11.98	13.98		
	102	5510	11.62	13.62		
	110	5550	12.14	14.14		
802.11ac-VHT80 MCS0	126	5630	12.17	14.17	100.00	
	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-VHT160 MCS0	138	5690	11.21	13.21	100.00	
	114	5570	12.10	14.10		
802.11ax-HE20 MCS0	100	5500	12.28	14.28	100.00	
	116	5580	12.17	14.17		
	124	5620	12.26	14.26		
	132	5660	12.06	14.06		
	140	5700	10.30	12.30		
802.11ax-HE40 MCS0	144	5720	11.92	13.92	100.00	
	102	5510	12.49	14.49		
	110	5550	12.24	14.24		
	126	5630	12.18	14.18		
	134	5670	12.10	14.10		
802.11ax-HE80 MCS0	142	5710	11.86	13.86	100.00	
	106	5530	11.37	13.37		
	122	5610	10.99	12.99		
	138	5690	10.75	12.75		

5GHz WLAN		Ant 1+2				
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		
802.11ac-VHT20 MCS0	149	5745	12.34	14.34	100.00	
	157	5785	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		
802.11ac-VHT80 MCS0	155	5775	10.25	12.25	100.00	
802.11ax-HE20 MCS0	149	5745	12.20	14.20	100.00	
	157	5785	11.93	13.93		
	165	5825	12.21	14.21		
802.11ax-HE40 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 Body/Product Specific

2.4GHz WLAN		Ant 1+2				
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				
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		
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		
802.11ax-HE40 MCS0	48	5240	13.18	15.18	100.00	
	38	5190	12.36	14.36		
802.11ax-HE80 MCS0	46	5230	13.24	15.24	100.00	
802.11ax-HE80 MCS0	42	5210	12.06	14.06	100.00	

5GHz WLAN		Ant 1+2				
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		
802.11n-HT40 MCS0	64	5320	13.60	15.60	100.00	
	54	5270	13.61	15.61		
802.11ac-VHT20 MCS0	62	5310	12.45	14.45	100.00	
	52	5260	13.30	15.30		
	56	5280	13.29	15.29		
802.11ac-VHT40 MCS0	60	5300	13.50	15.50	100.00	
	64	5320	13.65	15.65		
	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				
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		
802.11n-HT20 MCS0	144	5720	12.12	14.12	100.00	
	100	5500	11.36	13.36		
	116	5580	12.10	14.10		
	124	5620	12.16	14.16		
	132	5660	12.14	14.14		
802.11n-HT40 MCS0	140	5700	11.39	13.39	100.00	
	144	5720	11.97	13.97		
	102	5510	11.77	13.77		
	110	5550	12.30	14.30		
	126	5630	12.19	14.19		
802.11ac-VHT20 MCS0	134	5670	12.45	14.45	100.00	
	142	5710	12.63	14.63		
	100	5500	11.37	13.37		
	116	5580	12.04	14.04		
	124	5620	12.17	14.17		
802.11ac-VHT40 MCS0	132	5660	11.92	13.92	100.00	
	140	5700	11.45	13.45		
	144	5720	11.98	13.98		
	102	5510	11.62	13.62		
	110	5550	12.14	14.14		
802.11ac-VHT80 MCS0	126	5630	12.17	14.17	100.00	
	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-VHT160 MCS0	138	5690	11.21	13.21	100.00	
	114	5570	12.10	14.10		
	100	5500	12.28	14.28		
802.11ax-HE20 MCS0	116	5580	12.17	14.17	100.00	
	124	5620	12.26	14.26		
	132	5660	12.06	14.06		
	140	5700	10.30	12.30		
	144	5720	11.92	13.92		
802.11ax-HE40 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		
802.11ax-HE80 MCS0	106	5530	11.37	13.37	100.00	
	122	5610	10.99	12.99		
	138	5690	10.75	12.75		

5GHz WLAN		Ant 1+2				
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		
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		
802.11ac-VHT80 MCS0	155	5775	9.26	11.26	100.00	
802.11ax-HE20 MCS0	149	5745	11.22	13.22	100.00	
	157	5785	11.26	13.26		
	165	5825	11.23	13.23		
802.11ax-HE40 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 %	
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 %	
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				
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		
	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		
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		
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		
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		
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	
	100	5500	14.36	16.36		
	116	5580	14.36	16.36		
	124	5620	14.15	16.15		
	132	5660	14.12	16.12		
802.11ax-HE20 MCS0	140	5700	12.11	14.11	100.00	
	144	5720	13.91	15.91		
	102	5510	14.55	16.55		
	110	5550	14.33	16.33		
	126	5630	14.38	16.38		
802.11ax-HE40 MCS0	134	5670	14.01	16.01	100.00	
	142	5710	14.11	16.11		
	106	5530	13.29	15.29		
	122	5610	13.03	15.03		
802.11ax-HE80 MCS0	138	5690	12.79	14.79	100.00	

5.8GHz WLAN		Ant 1+2				
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	
	149	5745	13.19	15.19		
802.11ax-HE20 MCS0	157	5785	12.95	14.95	100.00	
	165	5825	13.14	15.14		
	151	5755	13.43	15.43		
802.11ax-HE40 MCS0	159	5795	13.09	15.09	100.00	
	155	5775	12.21	14.21		