

8 CONDUCTED RF OUPUT POWER

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8.1 GSM Output Power

GSM 850 Full Power									
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power (dBm)			Tune-up Power(dBm)
Channel	128	190	251			128	190	251	
Frequency (MHz)	824.2	836.6	848.8			824.2	836.6	848.8	
GSM (GMSK, 1-Slot)	29.74	29.84	29.86	31.00	9.19	20.55	20.65	20.67	21.81
GPRS (GMSK, 1-Slot)	29.64	29.78	29.80	31.00	9.19	20.45	20.59	20.61	21.81
GPRS (GMSK, 2-Slots)	29.67	29.81	29.82	31.00	6.13	23.54	23.68	23.69	24.87
GPRS (GMSK, 3-Slots)	29.05	29.18	29.18	30.00	4.42	24.63	24.76	24.76	25.58
GPRS (GMSK, 4-Slots)	28.14	28.23	28.17	29.00	3.18	24.96	25.05	24.99	25.82
EGPRS (8PSK, 1-Slot)	26.08	25.94	25.87	27.00	9.19	16.89	16.75	16.68	17.81
EGPRS (8PSK, 2-Slots)	24.85	24.64	24.53	25.50	6.13	18.72	18.51	18.40	19.37
EGPRS (8PSK, 3-Slots)	22.67	22.21	22.54	23.50	4.42	18.25	17.79	18.12	19.08
EGPRS (8PSK, 4-Slots)	20.72	20.77	20.80	21.50	3.18	17.54	17.59	17.62	18.32

8.1 GSM Output Power

GSM 1900 Full Power									
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power(dBm)			Tune-up Power(dBm)
Channel	512	661	810			512	661	810	
Frequency (MHz)	1850.2	1880	1909.8			1850.2	1880	1909.8	
GSM (GMSK, 1-Slot)	27.97	27.95	27.92	28.50	9.19	18.78	18.76	18.73	19.31
GPRS (GMSK, 1-Slot)	27.95	27.94	27.95	28.50	9.19	18.76	18.75	18.76	19.31
GPRS (GMSK, 2-Slots)	27.82	27.82	27.84	28.00	6.13	21.69	21.69	21.71	21.87
GPRS (GMSK, 3-Slots)	26.72	26.71	26.72	27.50	4.42	22.30	22.29	22.30	23.08
GPRS (GMSK, 4-Slots)	25.80	25.81	25.69	26.50	3.18	22.62	22.63	22.51	23.32
EGPRS (8PSK, 1-Slot)	24.76	24.81	24.62	25.50	9.19	15.57	15.62	15.43	16.31
EGPRS (8PSK, 2-Slots)	23.72	23.68	23.37	24.50	6.13	17.59	17.55	17.24	18.37
EGPRS (8PSK, 3-Slots)	21.39	21.38	21.54	22.50	4.42	16.97	16.96	17.12	18.08
EGPRS (8PSK, 4-Slots)	19.74	19.67	19.46	20.50	3.18	16.56	16.49	16.28	17.32

8.2 WCDMA Output Power

WCDMA II Full Power				
Band	Band 2			Tune-up Limit Power(dBm)
TX Channel	9262	9400	9538	
RX Channel	9662	9800	9938	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	20.57	20.65	20.72	21.50
HSDPA Subtest-1	19.61	19.63	19.68	20.50
HSDPA Subtest-2	19.56	19.64	19.67	20.50
HSDPA Subtest-3	19.11	19.17	19.20	20.00
HSDPA Subtest-4	19.05	19.10	19.15	20.00
HSUPA Subtest-1	17.61	17.68	17.72	18.50
HSUPA Subtest-2	17.35	17.41	17.43	17.50
HSUPA Subtest-3	18.47	18.42	18.46	18.50
HSUPA Subtest-4	17.13	17.19	17.22	17.50
HSUPA Subtest-5	18.58	18.65	18.68	19.50

8.2 WCDMA Output Power

WCDMA IV Full Power				
Band	Band 4			Tune-up Limit Power(dBm)
TX Channel	1312	1413	1513	
RX Channel	1537	1638	1738	
Frequency	1712.40	1732.60	1752.60	
RMC 12.2Kbps	20.12	20.16	19.83	21.00
HSDPA Subtest-1	19.16	19.05	18.85	20.00
HSDPA Subtest-2	19.09	19.02	18.81	20.00
HSDPA Subtest-3	18.63	18.55	18.32	19.50
HSDPA Subtest-4	18.63	18.49	18.28	19.50
HSUPA Subtest-1	17.14	17.04	16.88	18.00
HSUPA Subtest-2	17.17	16.98	16.88	17.00
HSUPA Subtest-3	17.76	17.86	17.84	18.00
HSUPA Subtest-4	16.70	16.55	16.38	17.00
HSUPA Subtest-5	18.15	17.99	17.83	19.00

8.3.1 LTE Band2 Output Power

LTE B2 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	1	0	QPSK	21.67	21.69	21.63	22.50
		49	QPSK	21.62	21.60	21.63	22.50
		99	QPSK	21.66	21.63	21.50	22.50
	50	0	QPSK	21.00	20.95	20.99	21.50
		24	QPSK	21.01	20.97	20.93	21.50
		50	QPSK	21.02	20.93	20.75	21.50
	100	0	QPSK	21.01	20.94	20.93	21.50
20	1	0	16QAM	21.28	21.15	20.96	21.50
		49	16QAM	21.37	21.43	21.36	21.50
		99	16QAM	21.22	21.06	20.91	21.50
	50	0	16QAM	20.04	19.98	19.99	20.50
		24	16QAM	20.07	20.04	19.92	20.50
		50	16QAM	20.07	19.99	19.77	20.50
	100	0	16QAM	20.08	19.98	19.92	20.50
20	1	0	64QAM	20.08	20.33	19.89	20.50
		49	64QAM	20.32	20.39	20.26	20.50
		99	64QAM	20.07	20.27	19.76	20.50
	50	0	64QAM	19.07	19.00	19.06	19.50
		24	64QAM	19.12	19.04	18.96	19.50
		50	64QAM	19.13	18.97	18.79	19.50
	100	0	64QAM	19.07	18.94	18.96	19.50
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	1	0	QPSK	21.54	21.52	21.48	22.50
		37	QPSK	21.57	21.47	21.48	22.50
		74	QPSK	21.57	21.45	21.39	22.50
	36	0	QPSK	20.68	20.58	20.61	21.50
		20	QPSK	20.69	20.65	20.61	21.50
		39	QPSK	20.67	20.59	20.45	21.50
	75	0	QPSK	20.66	20.60	20.53	21.50
15	1	0	16QAM	20.45	20.83	20.78	21.50
		37	16QAM	20.68	21.05	21.01	21.50
		74	16QAM	20.42	20.74	20.65	21.50
	36	0	16QAM	19.64	19.64	19.53	20.50
		20	16QAM	19.67	19.65	19.54	20.50
		39	16QAM	19.63	19.61	19.37	20.50
	75	0	16QAM	19.67	19.58	19.52	20.50
15	1	0	64QAM	19.84	19.56	20.04	20.50
		37	64QAM	20.02	19.80	19.97	20.50
		74	64QAM	19.81	19.51	19.92	20.50
	36	0	64QAM	18.65	18.62	18.59	19.50
		20	64QAM	18.67	18.66	18.54	19.50
		39	64QAM	18.63	18.63	18.41	19.50
	75	0	64QAM	18.64	18.60	18.52	19.50
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	1	0	QPSK	21.66	21.55	21.49	22.50
		25	QPSK	21.52	21.64	21.49	22.50
		49	QPSK	21.58	21.53	21.35	22.50
	25	0	QPSK	20.59	20.51	20.56	21.50
		12	QPSK	20.62	20.54	20.48	21.50
		25	QPSK	20.57	20.49	20.35	21.50
	50	0	QPSK	20.58	20.52	20.47	21.50
10	1	0	16QAM	20.48	20.86	20.46	21.50
		25	16QAM	20.60	20.95	20.49	21.50
		49	16QAM	20.48	20.83	20.38	21.50
	25	0	16QAM	19.62	19.57	19.64	20.50
		12	16QAM	19.69	19.65	19.60	20.50
		25	16QAM	19.64	19.52	19.49	20.50
	50	0	16QAM	19.61	19.57	19.52	20.50
10	1	0	64QAM	19.92	19.64	19.65	20.50
		25	64QAM	20.03	19.76	19.69	20.50
		49	64QAM	19.89	19.62	19.55	20.50
	25	0	64QAM	18.67	18.61	18.66	19.50
		12	64QAM	18.73	18.67	18.58	19.50
		25	64QAM	18.67	18.63	18.50	19.50
	50	0	64QAM	18.65	18.57	18.52	19.50

LTE B2 Full Power							
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	1	0	QPSK	21.34	21.26	21.19	22.50
		12	QPSK	21.56	21.50	21.42	22.50
		24	QPSK	21.22	21.26	21.20	22.50
	12	0	QPSK	20.59	20.45	20.42	21.50
		7	QPSK	20.68	20.57	20.47	21.50
		13	QPSK	20.59	20.46	20.37	21.50
	25	0	QPSK	20.58	20.46	20.37	21.50
5	1	0	16QAM	20.70	20.92	20.48	21.50
		12	16QAM	20.93	21.03	20.67	21.50
		24	16QAM	20.74	20.93	20.40	21.50
	12	0	16QAM	19.62	19.67	19.52	20.50
		7	16QAM	19.75	19.71	19.54	20.50
		13	16QAM	19.71	19.61	19.40	20.50
	25	0	16QAM	19.65	19.59	19.37	20.50
5	1	0	64QAM	19.48	19.76	19.63	20.50
		12	64QAM	19.74	19.98	19.83	20.50
		24	64QAM	19.48	19.75	19.53	20.50
	12	0	64QAM	18.64	18.47	18.53	19.50
		7	64QAM	18.71	18.53	18.53	19.50
		13	64QAM	18.68	18.46	18.42	19.50
	25	0	64QAM	18.57	18.50	18.43	19.50
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	1	0	QPSK	21.48	21.35	21.23	22.50
		8	QPSK	21.40	21.30	21.31	22.50
		14	QPSK	21.48	21.37	21.16	22.50
	8	0	QPSK	20.66	20.54	20.42	21.50
		4	QPSK	20.69	20.58	20.43	21.50
		7	QPSK	20.67	20.53	20.40	21.50
	15	0	QPSK	20.66	20.50	20.40	21.50
3	1	0	16QAM	20.54	20.87	20.50	21.50
		8	16QAM	20.66	20.95	20.56	21.50
		14	16QAM	20.50	20.86	20.36	21.50
	8	0	16QAM	19.79	19.63	19.47	20.50
		4	16QAM	19.80	19.66	19.47	20.50
		7	16QAM	19.77	19.62	19.44	20.50
	15	0	16QAM	19.69	19.57	19.41	20.50
3	1	0	64QAM	19.95	19.63	19.63	20.50
		8	64QAM	20.09	19.77	19.75	20.50
		14	64QAM	19.97	19.67	19.54	20.50
	8	0	64QAM	18.72	18.60	18.39	19.50
		4	64QAM	18.76	18.60	18.40	19.50
		7	64QAM	18.67	18.59	18.33	19.50
	15	0	64QAM	18.64	18.55	18.46	19.50
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	1	0	QPSK	21.43	21.29	21.09	22.50
		3	QPSK	21.52	21.44	21.22	22.50
		5	QPSK	21.44	21.31	21.10	22.50
	3	0	QPSK	21.48	21.36	21.21	22.50
		1	QPSK	21.53	21.43	21.27	22.50
		3	QPSK	21.48	21.37	21.30	22.50
	6	0	QPSK	20.45	20.33	20.22	21.50
1.4	1	0	16QAM	20.45	20.61	20.19	21.50
		3	16QAM	20.54	20.81	20.23	21.50
		5	16QAM	20.45	20.62	20.13	21.50
	3	0	16QAM	20.47	20.51	20.38	21.50
		1	16QAM	20.52	20.55	20.42	21.50
		3	16QAM	20.46	20.52	20.40	21.50
	6	0	16QAM	19.61	19.26	19.35	20.50
1.4	1	0	64QAM	19.77	19.37	19.33	20.50
		3	64QAM	19.72	19.52	19.43	20.50
		5	64QAM	19.79	19.40	19.36	20.50
	3	0	64QAM	19.81	19.47	19.18	20.50
		1	64QAM	19.84	19.47	19.23	20.50
		3	64QAM	19.89	19.47	19.31	20.50
	6	0	64QAM	18.52	18.66	18.33	19.50

8.3.2 LTE Band4 Output Power

LTE B4 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	1	0	QPSK	19.83	19.92	19.81	21.00
		49	QPSK	19.85	19.70	19.85	21.00
		99	QPSK	19.71	19.70	19.39	21.00
	50	0	QPSK	19.24	18.98	18.82	20.00
		24	QPSK	19.30	18.94	18.81	20.00
		50	QPSK	19.25	19.01	18.66	20.00
	100	0	QPSK	19.24	19.10	18.84	20.00
20	1	0	16QAM	19.52	19.26	18.85	20.00
		49	16QAM	19.53	19.61	19.37	20.00
		99	16QAM	19.49	19.22	18.95	20.00
	50	0	16QAM	18.29	18.16	17.87	19.00
		24	16QAM	18.33	18.12	17.84	19.00
		50	16QAM	18.34	18.11	17.67	19.00
	100	0	16QAM	18.36	18.13	17.76	19.00
20	1	0	64QAM	18.32	18.56	17.82	19.00
		49	64QAM	18.75	18.70	18.11	19.00
		99	64QAM	18.32	18.48	17.83	19.00
	50	0	64QAM	17.33	17.14	16.88	18.00
		24	64QAM	17.33	17.09	16.91	18.00
		50	64QAM	17.31	17.05	16.67	18.00
	100	0	64QAM	17.35	17.02	16.83	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	1	0	QPSK	19.90	19.86	19.72	21.00
		37	QPSK	19.85	19.74	19.88	21.00
		74	QPSK	19.70	19.71	19.40	21.00
	36	0	QPSK	19.20	19.01	18.76	20.00
		20	QPSK	19.17	18.95	18.73	20.00
		39	QPSK	19.20	18.96	18.67	20.00
	75	0	QPSK	19.26	19.10	18.75	20.00
15	1	0	16QAM	19.50	19.30	18.87	20.00
		37	16QAM	19.65	19.60	19.27	20.00
		74	16QAM	19.48	19.32	18.96	20.00
	36	0	16QAM	18.23	18.15	17.82	19.00
		20	16QAM	18.37	18.07	17.85	19.00
		39	16QAM	18.26	18.00	17.63	19.00
	75	0	16QAM	18.33	18.07	17.83	19.00
15	1	0	64QAM	18.44	18.45	17.89	19.00
		37	64QAM	18.73	18.72	18.08	19.00
		74	64QAM	18.36	18.44	17.80	19.00
	36	0	64QAM	17.21	17.10	16.92	18.00
		20	64QAM	17.27	17.07	16.88	18.00
		39	64QAM	17.39	16.98	16.68	18.00
	75	0	64QAM	17.28	17.06	16.90	18.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	1	0	QPSK	19.80	19.91	19.71	21.00
		25	QPSK	19.85	19.77	19.87	21.00
		49	QPSK	19.78	19.65	19.46	21.00
	25	0	QPSK	19.19	18.97	18.79	20.00
		12	QPSK	19.29	18.95	18.80	20.00
		25	QPSK	19.21	19.00	18.71	20.00
	50	0	QPSK	19.26	19.00	18.84	20.00
10	1	0	16QAM	19.41	19.38	18.94	20.00
		25	16QAM	19.57	19.58	19.34	20.00
		49	16QAM	19.54	19.23	19.02	20.00
	25	0	16QAM	18.29	18.21	17.95	19.00
		12	16QAM	18.27	18.06	17.88	19.00
		25	16QAM	18.33	18.07	17.73	19.00
	50	0	16QAM	18.32	18.07	17.84	19.00
10	1	0	64QAM	18.40	18.48	17.86	19.00
		25	64QAM	18.76	18.79	18.12	19.00
		49	64QAM	18.32	18.42	17.76	19.00
	25	0	64QAM	17.21	17.08	16.95	18.00
		12	64QAM	17.27	17.02	16.93	18.00
		25	64QAM	17.36	16.96	16.80	18.00
	50	0	64QAM	17.21	17.12	16.85	18.00

Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	1	0	QPSK	19.91	19.87	19.78	21.00
		12	QPSK	19.82	19.70	19.85	21.00
		24	QPSK	19.71	19.68	19.53	21.00
	12	0	QPSK	19.21	18.98	18.88	20.00
		7	QPSK	19.19	18.94	18.86	20.00
		13	QPSK	19.25	18.99	18.72	20.00
	25	0	QPSK	19.17	19.10	18.72	20.00
5	1	0	16QAM	19.48	19.25	18.88	20.00
		12	16QAM	19.59	19.65	19.32	20.00
		24	16QAM	19.46	19.22	18.90	20.00
	12	0	16QAM	18.31	18.15	17.87	19.00
		7	16QAM	18.30	18.06	17.81	19.00
		13	16QAM	18.26	17.99	17.76	19.00
	25	0	16QAM	18.34	18.01	17.80	19.00
5	1	0	64QAM	18.44	18.46	17.79	19.00
		12	64QAM	18.78	18.75	18.07	19.00
		24	64QAM	18.32	18.43	17.80	19.00
	12	0	64QAM	17.30	17.12	16.98	18.00
		7	64QAM	17.34	17.10	16.82	18.00
		13	64QAM	17.30	17.10	16.80	18.00
	25	0	64QAM	17.27	17.11	16.80	18.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	1	0	QPSK	19.83	19.83	19.84	21.00
		8	QPSK	19.83	19.71	19.80	21.00
		14	QPSK	19.76	19.68	19.44	21.00
	8	0	QPSK	19.16	19.07	18.82	20.00
		4	QPSK	19.22	19.00	18.84	20.00
		7	QPSK	19.15	18.94	18.61	20.00
	15	0	QPSK	19.25	19.04	18.84	20.00
3	1	0	16QAM	19.55	19.26	18.91	20.00
		8	16QAM	19.57	19.60	19.27	20.00
		14	16QAM	19.45	19.31	18.96	20.00
	8	0	16QAM	18.34	18.18	17.92	19.00
		4	16QAM	18.40	18.15	17.88	19.00
		7	16QAM	18.35	18.03	17.75	19.00
	15	0	16QAM	18.23	18.05	17.87	19.00
3	1	0	64QAM	18.43	18.46	17.83	19.00
		8	64QAM	18.70	18.74	18.05	19.00
		14	64QAM	18.34	18.48	17.76	19.00
	8	0	64QAM	17.27	17.15	16.94	18.00
		4	64QAM	17.41	17.05	16.93	18.00
		7	64QAM	17.35	17.03	16.78	18.00
	15	0	64QAM	17.30	17.08	16.77	18.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	1	0	QPSK	19.72	19.78	19.65	21.00
		3	QPSK	19.73	19.70	19.76	21.00
		5	QPSK	19.77	19.67	19.67	21.00
	3	0	QPSK	19.70	19.74	19.77	21.00
		1	QPSK	19.66	19.67	19.70	21.00
		3	QPSK	19.77	19.75	19.72	21.00
	6	0	QPSK	19.28	19.21	19.28	20.00
1.4	1	0	16QAM	19.05	19.43	19.14	20.00
		3	16QAM	19.13	19.52	19.21	20.00
		5	16QAM	19.03	19.44	19.14	20.00
	3	0	16QAM	19.00	19.32	19.38	20.00
		1	16QAM	19.05	19.39	19.44	20.00
		3	16QAM	19.01	19.33	19.37	20.00
	6	0	16QAM	18.25	18.06	18.41	19.00
1.4	1	0	64QAM	18.31	18.24	18.34	19.00
		3	64QAM	18.51	18.36	18.42	19.00
		5	64QAM	18.34	18.17	18.34	19.00
	3	0	64QAM	18.37	18.33	18.21	19.00
		1	64QAM	18.41	18.39	18.24	19.00
		3	64QAM	18.35	18.36	18.23	19.00
	6	0	64QAM	17.03	17.51	17.35	18.00

8.3.3 LTE Band5 Output Power

LTE B5 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit
Frequency (MHz)				829	836.5	844	(dBm)
10	1	0	QPSK	22.55	22.66	22.34	23.50
		25	QPSK	22.65	22.58	22.44	23.50
		49	QPSK	22.51	22.49	22.42	23.50
	25	0	QPSK	21.60	21.50	21.43	22.50
		12	QPSK	21.64	21.53	21.40	22.50
		25	QPSK	21.61	21.50	21.38	22.50
	50	0	QPSK	21.60	21.48	21.41	22.50
10	1	0	16QAM	21.48	21.90	21.39	22.50
		25	16QAM	21.62	21.93	21.53	22.50
		49	16QAM	21.48	21.77	21.38	22.50
	25	0	16QAM	20.65	20.52	20.51	21.50
		12	16QAM	20.64	20.58	20.53	21.50
		25	16QAM	20.61	20.53	20.45	21.50
	50	0	16QAM	20.58	20.50	20.42	21.50
10	1	0	64QAM	20.86	20.64	20.53	21.50
		25	64QAM	20.96	20.69	20.65	21.50
		49	64QAM	20.82	20.60	20.59	21.50
	25	0	64QAM	19.67	19.61	19.54	20.50
		12	64QAM	19.70	19.63	19.54	20.50
		25	64QAM	19.67	19.57	19.51	20.50
	50	0	64QAM	19.65	19.55	19.46	20.50
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	1	0	QPSK	22.57	22.44	22.36	23.50
		12	QPSK	22.61	22.43	22.41	23.50
		24	QPSK	22.59	22.38	22.40	23.50
	12	0	QPSK	21.53	21.48	21.40	22.50
		7	QPSK	21.61	21.49	21.45	22.50
		13	QPSK	21.52	21.48	21.36	22.50
	25	0	QPSK	21.53	21.44	21.40	22.50
5	1	0	16QAM	21.68	21.90	21.44	22.50
		12	16QAM	21.92	22.13	21.69	22.50
		24	16QAM	21.68	21.83	21.47	22.50
	12	0	16QAM	20.63	20.58	20.38	21.50
		7	16QAM	20.66	20.60	20.46	21.50
		13	16QAM	20.60	20.53	20.38	21.50
	25	0	16QAM	20.58	20.49	20.33	21.50
5	1	0	64QAM	20.39	20.70	20.48	21.50
		12	64QAM	20.67	20.91	20.79	21.50
		24	64QAM	20.44	20.70	20.57	21.50
	12	0	64QAM	19.57	19.40	19.44	20.50
		7	64QAM	19.65	19.43	19.47	20.50
		13	64QAM	19.62	19.39	19.43	20.50
	25	0	64QAM	19.54	19.42	19.42	20.50

LTE B5 Full Power							
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	1	0	QPSK	22.50	22.48	22.38	23.50
		8	QPSK	22.50	22.45	22.31	23.50
		14	QPSK	22.59	22.50	22.37	23.50
	8	0	QPSK	21.60	21.46	21.42	22.50
		4	QPSK	21.60	21.50	21.44	22.50
		7	QPSK	21.56	21.46	21.40	22.50
	15	0	QPSK	21.57	21.43	21.39	22.50
3	1	0	16QAM	21.49	21.82	21.51	22.50
		8	16QAM	21.64	22.01	21.60	22.50
		14	16QAM	21.51	21.81	21.44	22.50
	8	0	16QAM	20.71	20.58	20.44	21.50
		4	16QAM	20.72	20.58	20.47	21.50
		7	16QAM	20.69	20.55	20.43	21.50
	15	0	16QAM	20.58	20.46	20.36	21.50
3	1	0	64QAM	20.83	20.58	20.59	21.50
		8	64QAM	21.00	20.72	20.74	21.50
		14	64QAM	20.89	20.55	20.51	21.50
	8	0	64QAM	19.66	19.53	19.39	20.50
		4	64QAM	19.70	19.58	19.44	20.50
		7	64QAM	19.65	19.51	19.40	20.50
	15	0	64QAM	19.60	19.52	19.44	20.50
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	1	0	QPSK	22.60	22.51	22.32	23.50
		3	QPSK	22.50	22.42	22.25	23.50
		5	QPSK	22.60	22.48	22.36	23.50
	3	0	QPSK	22.62	22.52	22.43	23.50
		1	QPSK	22.60	22.61	22.52	23.50
		3	QPSK	22.64	22.51	22.48	23.50
	6	0	QPSK	21.67	21.53	21.47	22.50
1.4	1	0	16QAM	21.66	21.86	21.44	22.50
		3	16QAM	21.78	21.93	21.51	22.50
		5	16QAM	21.67	21.82	21.47	22.50
	3	0	16QAM	21.65	21.75	21.59	22.50
		1	16QAM	21.68	21.75	21.67	22.50
		3	16QAM	21.65	21.74	21.64	22.50
	6	0	16QAM	20.79	20.45	20.61	21.50
1.4	1	0	64QAM	20.98	20.57	20.52	21.50
		3	64QAM	21.11	20.75	20.65	21.50
		5	64QAM	20.98	20.53	20.55	21.50
	3	0	64QAM	20.92	20.64	20.35	21.50
		1	64QAM	20.96	20.62	20.45	21.50
		3	64QAM	20.90	20.55	20.45	21.50
	6	0	64QAM	19.65	19.85	19.58	20.50

8.3.4 LTE Band7 Output Power

LTE B7 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	1	0	QPSK	23.98	24.07	24.02	25.00
		49	QPSK	24.02	24.04	23.98	25.00
		99	QPSK	23.99	23.91	24.01	25.00
	50	0	QPSK	23.06	23.24	23.22	24.00
		24	QPSK	23.16	23.29	23.31	24.00
		50	QPSK	23.23	23.18	23.26	24.00
	100	0	QPSK	23.17	23.09	23.21	24.00
20	1	0	16QAM	23.32	23.11	23.09	24.00
		49	16QAM	23.64	23.44	23.34	24.00
		99	16QAM	23.48	23.15	22.99	24.00
	50	0	16QAM	22.05	22.15	21.94	23.00
		24	16QAM	22.14	22.22	22.16	23.00
		50	16QAM	22.21	22.17	22.11	23.00
	100	0	16QAM	22.16	22.26	22.19	23.00
20	1	0	64QAM	22.07	22.34	21.89	23.00
		49	64QAM	22.50	22.91	22.39	23.00
		99	64QAM	22.32	22.34	21.95	23.00
	50	0	64QAM	21.09	21.08	21.22	22.00
		24	64QAM	21.20	21.22	21.30	22.00
		50	64QAM	21.27	21.16	21.28	22.00
	100	0	64QAM	21.19	21.29	21.24	22.00
Channel				20825	21100	21375	Tune-up power(dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	1	0	QPSK	24.01	24.05	23.96	25.00
		37	QPSK	23.95	24.03	23.99	25.00
		74	QPSK	23.94	24.02	23.91	25.00
	36	0	QPSK	23.31	23.49	23.47	24.00
		20	QPSK	23.34	23.49	23.51	24.00
		39	QPSK	23.38	23.47	23.51	24.00
	75	0	QPSK	23.33	23.48	23.50	24.00
15	1	0	16QAM	22.91	23.45	23.39	24.00
		37	16QAM	23.11	23.74	23.58	24.00
		74	16QAM	22.91	23.55	23.35	24.00
	36	0	16QAM	22.16	22.40	22.30	23.00
		20	16QAM	22.21	22.40	22.28	23.00
		39	16QAM	22.19	22.42	22.32	23.00
	75	0	16QAM	22.22	22.43	22.34	23.00
15	1	0	64QAM	22.29	22.29	22.70	23.00
		37	64QAM	22.50	22.56	22.87	23.00
		74	64QAM	22.32	22.39	22.73	23.00
	36	0	64QAM	21.19	21.42	21.31	22.00
		20	64QAM	21.19	21.43	21.33	22.00
		39	64QAM	21.26	21.43	21.30	22.00
	75	0	64QAM	21.22	21.41	21.36	22.00

LTE B7 Full Power							
Channel				20800	21100	21400	Tune-up power(dBm)
Frequency (MHz)				2505	2535	2565	
10	1	0	QPSK	23.98	24.06	24.05	25.00
		25	QPSK	23.95	24.02	24.01	25.00
		49	QPSK	24.01	23.98	23.97	25.00
	25	0	QPSK	23.21	23.36	23.28	24.00
		12	QPSK	23.18	23.33	23.26	24.00
		25	QPSK	23.22	23.36	23.29	24.00
	50	0	QPSK	23.15	23.36	23.30	24.00
10	1	0	16QAM	23.00	23.54	23.16	24.00
		25	16QAM	23.03	23.70	23.24	24.00
		49	16QAM	22.96	23.61	23.15	24.00
	25	0	16QAM	22.15	22.36	22.32	23.00
		12	16QAM	22.15	22.34	22.32	23.00
		25	16QAM	22.17	22.38	22.33	23.00
	50	0	16QAM	22.12	22.34	22.29	23.00
10	1	0	64QAM	22.32	22.36	22.34	23.00
		25	64QAM	22.48	22.50	22.48	23.00
		49	64QAM	22.37	22.42	22.35	23.00
	25	0	64QAM	21.17	21.42	21.34	22.00
		12	64QAM	21.19	21.41	21.31	22.00
		25	64QAM	21.17	21.40	21.34	22.00
	50	0	64QAM	21.16	21.41	21.29	22.00
Channel				20775	21100	21425	Tune-up power(dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	1	0	QPSK	23.98	24.04	23.96	25.00
		12	QPSK	23.95	24.03	23.97	25.00
		24	QPSK	23.89	24.01	24.02	25.00
	12	0	QPSK	23.10	23.27	23.26	24.00
		7	QPSK	23.18	23.35	23.31	24.00
		13	QPSK	23.11	23.34	23.26	24.00
25	0	QPSK	23.12	23.28	23.24	24.00	
5	1	0	16QAM	23.17	23.63	23.16	24.00
		12	16QAM	23.37	23.84	23.37	24.00
		24	16QAM	23.14	23.65	23.21	24.00
	12	0	16QAM	22.14	22.34	22.23	23.00
		7	16QAM	22.18	22.40	22.26	23.00
		13	16QAM	22.17	22.34	22.23	23.00
25	0	16QAM	22.10	22.30	22.15	23.00	
5	1	0	64QAM	21.96	22.42	22.31	23.00
		12	64QAM	22.18	22.70	22.59	23.00
		24	64QAM	21.95	22.49	22.38	23.00
	12	0	64QAM	21.11	21.17	21.23	22.00
		7	64QAM	21.15	21.28	21.32	22.00
		13	64QAM	21.13	21.19	21.26	22.00
	25	0	64QAM	21.11	21.24	21.23	22.00

8.3.5 LTE Band12 Output Power

LTE B12 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	1	0	QPSK	23.37	23.51	23.38	24.50
		25	QPSK	23.36	23.44	23.43	24.50
		49	QPSK	23.42	23.46	23.43	24.50
	25	0	QPSK	22.41	22.50	22.46	23.50
		12	QPSK	22.50	22.50	22.49	23.50
		25	QPSK	22.41	22.49	22.51	23.50
	50	0	QPSK	22.43	22.52	22.45	23.50
10	1	0	16QAM	22.24	22.71	22.40	23.50
		25	16QAM	22.41	22.89	22.55	23.50
		49	16QAM	22.36	22.75	22.36	23.50
	25	0	16QAM	21.42	21.53	21.56	22.50
		12	16QAM	21.49	21.49	21.58	22.50
		25	16QAM	21.39	21.51	21.63	22.50
	50	0	16QAM	21.39	21.49	21.53	22.50
10	1	0	64QAM	21.58	21.50	21.56	22.50
		25	64QAM	21.81	21.67	21.70	22.50
		49	64QAM	21.70	21.56	21.57	22.50
	25	0	64QAM	20.42	20.56	20.57	21.50
		12	64QAM	20.48	20.55	20.53	21.50
		25	64QAM	20.41	20.55	20.59	21.50
	50	0	64QAM	20.41	20.56	20.53	21.50
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	1	0	QPSK	23.31	23.45	23.33	24.50
		12	QPSK	23.33	23.37	23.38	24.50
		24	QPSK	23.39	23.35	23.37	24.50
	12	0	QPSK	22.33	22.45	22.41	23.50
		7	QPSK	22.42	22.46	22.48	23.50
		13	QPSK	22.41	22.45	22.38	23.50
25	0	QPSK	22.37	22.45	22.40	23.50	
5	1	0	16QAM	22.37	22.82	22.44	23.50
		12	16QAM	22.66	23.11	22.66	23.50
		24	16QAM	22.47	22.81	22.39	23.50
	12	0	16QAM	21.32	21.56	21.42	22.50
		7	16QAM	21.46	21.56	21.50	22.50
		13	16QAM	21.42	21.55	21.40	22.50
	25	0	16QAM	21.35	21.51	21.38	22.50
5	1	0	64QAM	21.14	21.63	21.53	22.50
		12	64QAM	21.46	21.92	21.84	22.50
		24	64QAM	21.21	21.61	21.57	22.50
	12	0	64QAM	20.27	20.37	20.45	21.50
		7	64QAM	20.41	20.41	20.52	21.50
		13	64QAM	20.39	20.39	20.42	21.50
	25	0	64QAM	20.30	20.41	20.44	21.50

LTE B12 Full Power							
Channel				23025	23095	23165	Tune-up power(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	1	0	QPSK	23.27	23.47	23.43	24.50
		8	QPSK	23.46	23.44	23.43	24.50
		14	QPSK	23.40	23.44	23.44	24.50
	8	0	QPSK	22.36	22.47	22.50	23.50
		4	QPSK	22.41	22.49	22.50	23.50
		7	QPSK	22.36	22.46	22.44	23.50
	15	0	QPSK	22.34	22.47	22.41	23.50
3	1	0	16QAM	22.26	22.73	22.43	23.50
		8	16QAM	22.36	22.91	22.56	23.50
		14	16QAM	22.24	22.78	22.33	23.50
	8	0	16QAM	21.42	21.52	21.48	22.50
		4	16QAM	21.47	21.55	21.53	22.50
		7	16QAM	21.44	21.53	21.48	22.50
	15	0	16QAM	21.35	21.44	21.37	22.50
3	1	0	64QAM	21.61	21.50	21.59	22.50
		8	64QAM	21.75	21.69	21.76	22.50
		14	64QAM	21.66	21.60	21.56	22.50
	8	0	64QAM	20.38	20.44	20.41	21.50
		4	64QAM	20.46	20.51	20.43	21.50
		7	64QAM	20.38	20.49	20.42	21.50
	15	0	64QAM	20.30	20.43	20.44	21.50
Channel				23017	23095	23173	Tune-up power(dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	1	0	QPSK	23.31	23.42	23.33	24.50
		3	QPSK	23.42	23.38	23.30	24.50
		5	QPSK	23.29	23.35	23.40	24.50
	3	0	QPSK	23.33	23.34	23.41	23.50
		1	QPSK	23.36	23.38	23.39	23.50
		3	QPSK	23.30	23.27	23.32	23.50
	6	0	QPSK	22.43	22.52	22.55	23.50
1.4	1	0	16QAM	22.36	22.74	22.33	23.50
		3	16QAM	22.45	22.84	22.39	23.50
		5	16QAM	22.34	22.75	22.34	23.50
	3	0	16QAM	22.33	22.43	22.37	22.50
		1	16QAM	22.38	22.45	22.38	22.50
		3	16QAM	22.32	22.43	22.33	22.50
	6	0	16QAM	21.50	21.41	21.63	22.50
1.4	1	0	64QAM	21.62	21.50	21.54	22.50
		3	64QAM	21.78	21.66	21.60	22.50
		5	64QAM	21.65	21.50	21.55	22.50
	3	0	64QAM	21.26	21.34	21.39	21.50
		1	64QAM	21.37	21.42	21.43	21.50
		3	64QAM	21.34	21.47	21.38	21.50
	6	0	64QAM	20.36	20.75	20.56	21.50

8.3.6 LTE Band13 Output Power

LTE B13 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	1	0	QPSK		23.58		24.50
		25	QPSK		23.56		24.50
		49	QPSK		23.52		24.50
	25	0	QPSK		22.48		23.50
		12	QPSK		22.56		23.50
		25	QPSK		22.56		23.50
	50	0	QPSK		22.48		23.50
10	1	0	16QAM		22.28		23.50
		25	16QAM		22.46		23.50
		49	16QAM		22.45		23.50
	25	0	16QAM		21.57		22.50
		12	16QAM		21.58		22.50
		25	16QAM		21.60		22.50
	50	0	16QAM		21.56		22.50
10	1	0	64QAM		21.73		22.50
		25	64QAM		21.84		22.50
		49	64QAM		21.86		22.50
	25	0	64QAM		20.55		21.50
		12	64QAM		20.60		21.50
		25	64QAM		20.63		21.50
	50	0	64QAM		20.58		21.50
Channel				23205	23230	23255	Tune-up power(dBm)
Frequency (MHz)				779.5	782	784.5	
5	1	0	QPSK	23.42	23.47	23.38	24.50
		12	QPSK	23.34	23.41	23.35	24.50
		24	QPSK	23.46	23.40	23.47	24.50
	12	0	QPSK	22.36	22.46	22.50	23.50
		7	QPSK	22.47	22.51	22.55	23.50
		13	QPSK	22.44	22.48	22.52	23.50
25	0	QPSK	22.41	22.48	22.50	23.50	
5	1	0	16QAM	22.43	22.83	22.45	23.50
		12	16QAM	22.73	23.08	22.74	23.50
		24	16QAM	22.50	22.89	22.51	23.50
	12	0	16QAM	21.42	21.58	21.49	22.50
		7	16QAM	21.55	21.66	21.59	22.50
		13	16QAM	21.50	21.63	21.55	22.50
	25	0	16QAM	21.48	21.56	21.46	22.50
5	1	0	64QAM	21.26	21.69	21.60	22.50
		12	64QAM	21.54	21.95	21.87	22.50
		24	64QAM	21.31	21.71	21.71	22.50
	12	0	64QAM	20.40	20.43	20.50	21.50
		7	64QAM	20.53	20.48	20.60	21.50
		13	64QAM	20.52	20.47	20.59	21.50
25	0	64QAM	20.40	20.49	20.51	21.50	

8.3.7 LTE Band17 Output Power

LTE B17 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	1	0	QPSK	23.38	23.46	23.40	24.50
		25	QPSK	23.34	23.44	23.39	24.50
		49	QPSK	23.31	23.42	23.43	24.50
	25	0	QPSK	22.56	22.50	22.47	23.50
		12	QPSK	22.52	22.47	22.52	23.50
		25	QPSK	22.50	22.53	22.49	23.50
	50	0	QPSK	22.54	22.50	22.51	23.50
10	1	0	16QAM	22.31	22.75	22.41	23.50
		25	16QAM	22.44	22.88	22.56	23.50
		49	16QAM	22.33	22.71	22.34	23.50
	25	0	16QAM	21.55	21.57	21.60	22.50
		12	16QAM	21.54	21.51	21.60	22.50
		25	16QAM	21.55	21.54	21.60	22.50
	50	0	16QAM	21.50	21.54	21.56	22.50
10	1	0	64QAM	21.66	21.52	21.56	22.50
		25	64QAM	21.86	21.70	21.71	22.50
		49	64QAM	21.73	21.55	21.54	22.50
	25	0	64QAM	20.58	20.60	20.57	21.50
		12	64QAM	20.55	20.57	20.60	21.50
		25	64QAM	20.55	20.59	20.64	21.50
	50	0	64QAM	20.56	20.55	20.53	21.50
Channel				23755	23790	23825	Tune-up power(dBm)
Frequency (MHz)				706.5	710	713.5	
5	1	0	QPSK	23.40	23.45	23.44	24.50
		12	QPSK	23.37	23.42	23.41	24.50
		24	QPSK	23.44	23.33	23.41	24.50
	12	0	QPSK	22.47	22.46	22.44	23.50
		7	QPSK	22.52	22.52	22.53	23.50
		13	QPSK	22.50	22.50	22.44	23.50
	25	0	QPSK	22.49	22.48	22.43	23.50
5	1	0	16QAM	22.48	22.83	22.43	23.50
		12	16QAM	22.77	23.11	22.73	23.50
		24	16QAM	22.51	22.82	22.38	23.50
	12	0	16QAM	21.54	21.59	21.48	22.50
		7	16QAM	21.55	21.64	21.56	22.50
		13	16QAM	21.49	21.62	21.48	22.50
	25	0	16QAM	21.47	21.53	21.43	22.50
5	1	0	64QAM	21.25	21.68	21.61	22.50
		12	64QAM	21.56	21.93	21.90	22.50
		24	64QAM	21.33	21.65	21.57	22.50
	12	0	64QAM	20.51	20.37	20.48	21.50
		7	64QAM	20.52	20.45	20.56	21.50
		13	64QAM	20.51	20.43	20.50	21.50
	25	0	64QAM	20.43	20.44	20.51	21.50

8.3.8 LTE Band66 Output Power

LTE B66 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	1	0	QPSK	20.01	20.05	19.95	21.00
		49	QPSK	20.00	19.88	20.02	21.00
		99	QPSK	19.92	19.89	19.63	21.00
	50	0	QPSK	19.36	19.21	19.00	20.00
		24	QPSK	19.41	19.16	18.96	20.00
		50	QPSK	19.39	19.16	18.82	20.00
	100	0	QPSK	19.37	19.23	18.94	20.00
20	1	0	16QAM	19.65	19.49	19.09	20.00
		49	16QAM	19.76	19.77	19.50	20.00
		99	16QAM	19.67	19.45	19.12	20.00
	50	0	16QAM	18.44	18.33	18.06	19.00
		24	16QAM	18.50	18.28	18.03	19.00
		50	16QAM	18.46	18.22	17.87	19.00
	100	0	16QAM	18.47	18.23	17.98	19.00
20	1	0	64QAM	18.54	18.67	17.99	19.00
		49	64QAM	18.89	18.84	18.29	19.00
		99	64QAM	18.51	18.59	17.96	19.00
	50	0	64QAM	17.43	17.28	17.11	18.00
		24	64QAM	17.51	17.25	17.04	18.00
		50	64QAM	17.54	17.20	16.90	18.00
	100	0	64QAM	17.45	17.24	17.00	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	1	0	QPSK	19.96	19.97	19.71	21.00
		37	QPSK	19.89	19.74	19.90	21.00
		74	QPSK	20.03	19.89	19.65	21.00
	36	0	QPSK	19.42	19.19	18.98	20.00
		20	QPSK	19.45	19.16	18.96	20.00
		39	QPSK	19.42	19.12	18.88	20.00
	75	0	QPSK	19.42	19.14	18.95	20.00
15	1	0	16QAM	19.24	19.54	19.35	20.00
		37	16QAM	19.48	19.68	19.59	20.00
		74	16QAM	19.24	19.46	19.48	20.00
	36	0	16QAM	18.40	18.30	17.98	19.00
		20	16QAM	18.46	18.23	17.97	19.00
		39	16QAM	18.44	18.22	17.91	19.00
	75	0	16QAM	18.42	18.19	17.93	19.00
15	1	0	64QAM	18.69	18.28	18.59	19.00
		37	64QAM	18.91	18.44	18.77	19.00
		74	64QAM	18.66	18.22	18.54	19.00
	36	0	64QAM	17.39	17.29	17.02	18.00
		20	64QAM	17.45	17.26	16.99	18.00
		39	64QAM	17.45	17.21	16.87	18.00
	75	0	64QAM	17.44	17.21	16.99	18.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	1	0	QPSK	19.71	19.60	19.92	21.00
		25	QPSK	19.92	19.67	20.00	21.00
		49	QPSK	19.70	19.58	19.90	21.00
	25	0	QPSK	19.39	19.21	19.02	20.00
		12	QPSK	19.47	19.22	19.01	20.00
		25	QPSK	19.43	19.15	18.88	20.00
	50	0	QPSK	19.44	19.22	18.99	20.00
10	1	0	16QAM	19.31	19.58	18.98	20.00
		25	16QAM	19.49	19.66	19.07	20.00
		49	16QAM	19.43	19.50	18.97	20.00
	25	0	16QAM	18.47	18.32	18.17	19.00
		12	16QAM	18.54	18.31	18.12	19.00
		25	16QAM	18.53	18.22	18.04	19.00
	50	0	16QAM	18.46	18.29	18.04	19.00
10	1	0	64QAM	18.76	18.32	18.13	19.00
		25	64QAM	18.87	18.42	18.28	19.00
		49	64QAM	18.74	18.29	18.12	19.00
	25	0	64QAM	17.49	17.29	17.19	18.00
		12	64QAM	17.58	17.36	17.08	18.00
		25	64QAM	17.55	17.24	17.01	18.00
	50	0	64QAM	17.50	17.28	17.03	18.00

LTE B66 Full Power							
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	1	0	QPSK	19.77	19.89	19.86	21.00
		12	QPSK	19.97	19.92	19.94	21.00
		24	QPSK	19.83	19.99	19.91	21.00
	12	0	QPSK	19.36	19.14	18.94	20.00
		7	QPSK	19.45	19.20	18.96	20.00
		13	QPSK	19.37	19.12	18.82	20.00
	25	0	QPSK	19.40	19.10	18.88	20.00
5	1	0	16QAM	19.49	19.61	18.92	20.00
		12	16QAM	19.70	19.91	19.23	20.00
		24	16QAM	19.52	19.54	18.93	20.00
	12	0	16QAM	18.47	18.30	18.01	19.00
		7	16QAM	18.57	18.37	18.04	19.00
		13	16QAM	18.50	18.28	17.92	19.00
	25	0	16QAM	18.44	18.26	17.90	19.00
5	1	0	64QAM	18.25	18.44	18.08	19.00
		12	64QAM	18.55	18.71	18.35	19.00
		24	64QAM	18.29	18.41	18.10	19.00
	12	0	64QAM	17.42	17.11	16.99	18.00
		7	64QAM	17.53	17.16	17.06	18.00
		13	64QAM	17.48	17.06	16.93	18.00
	25	0	64QAM	17.40	17.11	16.97	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	1	0	QPSK	19.73	19.57	19.85	21.00
		8	QPSK	19.93	19.76	20.02	21.00
		14	QPSK	19.83	19.60	19.83	21.00
	8	0	QPSK	19.44	19.13	18.92	20.00
		4	QPSK	19.44	19.18	18.95	20.00
		7	QPSK	19.42	19.14	18.86	20.00
	15	0	QPSK	19.46	19.16	18.90	20.00
3	1	0	16QAM	19.34	19.55	18.96	20.00
		8	16QAM	19.48	19.74	19.12	20.00
		14	16QAM	19.30	19.57	18.94	20.00
	8	0	16QAM	18.61	18.33	18.01	19.00
		4	16QAM	18.65	18.32	18.05	19.00
		7	16QAM	18.57	18.27	17.99	19.00
	15	0	16QAM	18.51	18.28	17.92	19.00
3	1	0	64QAM	18.74	18.26	18.17	19.00
		8	64QAM	18.92	18.52	18.36	19.00
		14	64QAM	18.77	18.28	18.07	19.00
	8	0	64QAM	17.53	17.20	16.93	18.00
		4	64QAM	17.58	17.26	16.94	18.00
		7	64QAM	17.54	17.22	16.90	18.00
	15	0	64QAM	17.48	17.22	17.01	18.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	1	0	QPSK	19.71	19.53	19.81	21.00
		3	QPSK	19.85	19.66	19.90	21.00
		5	QPSK	19.71	19.52	19.80	21.00
	3	0	QPSK	19.83	19.59	19.91	21.00
		1	QPSK	19.86	19.67	19.85	21.00
		3	QPSK	19.85	19.59	19.99	21.00
	6	0	QPSK	19.41	19.13	18.86	20.00
1.4	1	0	16QAM	19.48	19.51	18.91	20.00
		3	16QAM	19.56	19.62	18.98	20.00
		5	16QAM	19.46	19.54	18.97	20.00
	3	0	16QAM	19.50	19.41	19.13	20.00
		1	16QAM	19.52	19.43	19.18	20.00
		3	16QAM	19.48	19.41	19.14	20.00
	6	0	16QAM	18.59	18.11	18.12	19.00
1.4	1	0	64QAM	18.76	18.24	18.09	19.00
		3	64QAM	18.96	18.45	18.15	19.00
		5	64QAM	18.74	18.25	18.04	19.00
	3	0	64QAM	18.81	18.35	17.92	19.00
		1	64QAM	18.84	18.41	17.99	19.00
		3	64QAM	18.81	18.37	17.97	19.00
	6	0	64QAM	17.43	17.50	17.01	18.00

8.3.9 LTE Band71 Output Power

LTE B71 Full Power							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	1	0	QPSK	23.39	23.54	23.47	24.50
		49	QPSK	23.44	23.49	23.49	24.50
		99	QPSK	23.37	23.52	23.45	24.50
	50	0	QPSK	22.40	22.59	22.41	23.50
		24	QPSK	22.56	22.58	22.41	23.50
		50	QPSK	22.50	22.56	22.32	23.50
	100	0	QPSK	22.48	22.61	22.38	23.50
20	1	0	16QAM	22.71	22.69	22.67	23.50
		49	16QAM	23.13	23.09	22.87	23.50
		99	16QAM	22.84	22.67	22.47	23.50
	50	0	16QAM	21.43	21.58	21.40	22.50
		24	16QAM	21.54	21.55	21.35	22.50
		50	16QAM	21.49	21.56	21.29	22.50
	100	0	16QAM	21.48	21.56	21.33	22.50
20	1	0	64QAM	21.53	21.80	21.46	22.50
		49	64QAM	21.90	22.22	21.71	22.50
		99	64QAM	21.66	21.78	21.26	22.50
	50	0	64QAM	20.44	20.58	20.40	21.50
		24	64QAM	20.55	20.57	20.37	21.50
		50	64QAM	20.52	20.58	20.27	21.50
	100	0	64QAM	20.51	20.56	20.38	21.50
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	1	0	QPSK	23.47	23.50	23.41	24.50
		37	QPSK	23.42	23.43	23.40	24.50
		74	QPSK	23.46	23.44	23.26	24.50
	36	0	QPSK	22.62	22.68	22.50	23.50
		20	QPSK	22.62	22.67	22.43	23.50
		39	QPSK	22.65	22.66	22.40	23.50
	75	0	QPSK	22.62	22.67	22.44	23.50
15	1	0	16QAM	22.35	22.77	22.80	23.50
		37	16QAM	22.58	23.04	22.90	23.50
		74	16QAM	22.46	22.74	22.65	23.50
	36	0	16QAM	21.55	21.64	21.40	22.50
		20	16QAM	21.52	21.63	21.33	22.50
		39	16QAM	21.57	21.64	21.30	22.50
	75	0	16QAM	21.58	21.65	21.35	22.50
15	1	0	64QAM	21.70	21.53	21.94	22.50
		37	64QAM	21.95	21.80	22.03	22.50
		74	64QAM	21.78	21.53	21.75	22.50
	36	0	64QAM	20.57	20.66	20.41	21.50
		20	64QAM	20.55	20.64	20.35	21.50
		39	64QAM	20.63	20.61	20.30	21.50
	75	0	64QAM	20.56	20.61	20.37	21.50

LTE B71 Full Power							
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	1	0	QPSK	23.52	23.56	23.34	24.50
		25	QPSK	23.46	23.51	23.38	24.50
		49	QPSK	23.53	23.57	23.29	24.50
	25	0	QPSK	22.59	22.71	22.43	23.50
		12	QPSK	22.54	22.63	22.39	23.50
		25	QPSK	22.68	22.64	22.34	23.50
	50	0	QPSK	22.63	22.67	22.43	23.50
10	1	0	16QAM	22.43	22.91	22.38	23.50
		25	16QAM	22.58	22.99	22.40	23.50
		49	16QAM	22.48	22.86	22.30	23.50
	25	0	16QAM	21.58	21.70	21.49	22.50
		12	16QAM	21.56	21.60	21.42	22.50
		25	16QAM	21.68	21.66	21.39	22.50
	50	0	16QAM	21.56	21.64	21.41	22.50
10	1	0	64QAM	21.83	21.66	21.53	22.50
		25	64QAM	21.88	21.76	21.53	22.50
		49	64QAM	21.83	21.63	21.44	22.50
	25	0	64QAM	20.59	20.73	20.45	21.50
		12	64QAM	20.56	20.66	20.39	21.50
		25	64QAM	20.66	20.67	20.35	21.50
	50	0	64QAM	20.59	20.67	20.33	21.50
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	1	0	QPSK	23.44	23.51	23.26	24.50
		12	QPSK	23.51	23.47	23.50	24.50
		24	QPSK	23.46	23.50	23.24	24.50
	12	0	QPSK	22.52	22.62	22.35	23.50
		7	QPSK	22.62	22.65	22.37	23.50
		13	QPSK	22.56	22.59	22.31	23.50
	25	0	QPSK	22.51	22.60	22.37	23.50
5	1	0	16QAM	22.60	22.98	22.30	23.50
		12	16QAM	22.88	23.24	22.58	23.50
		24	16QAM	22.66	22.95	22.33	23.50
	12	0	16QAM	21.48	21.70	21.32	22.50
		7	16QAM	21.59	21.74	21.38	22.50
		13	16QAM	21.56	21.64	21.33	22.50
	25	0	16QAM	21.52	21.61	21.27	22.50
5	1	0	64QAM	21.37	21.78	21.44	22.50
		12	64QAM	21.63	22.03	21.73	22.50
		24	64QAM	21.40	21.73	21.44	22.50
	12	0	64QAM	20.44	20.48	20.33	21.50
		7	64QAM	20.57	20.53	20.38	21.50
		13	64QAM	20.54	20.47	20.32	21.50
	25	0	64QAM	20.44	20.52	20.27	21.50