

8 CONDUCTED RF OUPUT POWER

8.1	GSM Output Power
8.2	WCDMA Output Power
8.3	LTE Output Power
8.3.1	LTE Band2 Output Power
8.3.2	LTE Band4 Output Power
8.3.3	LTE Band5 Output Power
8.3.4	LTE Band12 Output Power
8.3.5	LTE Band13 Output Power
8.3.6	LTE Band66 Output Power
8.3.7	LTE Band71 Output Power
8.3.8	LTE Band41 Output Power

8.1 GSM Output Power

GSM 850									
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)	32.94	32.96	32.96	34.00	9.19	23.75	23.77	23.77	24.81
GPRS (GMSK, 1-Slot)	32.92	32.95	32.94	34.00	9.19	23.73	23.76	23.75	24.81
GPRS (GMSK, 2-Slots)	32.10	32.13	32.13	33.00	6.13	25.97	26.00	26.00	26.87
GPRS (GMSK, 3-Slots)	30.26	30.86	30.34	31.50	4.42	25.84	26.44	25.92	27.08
GPRS (GMSK, 4-Slots)	29.15	29.23	29.27	30.00	3.18	25.97	26.05	26.09	26.82
EGPRS (8PSK, 1-Slot)	27.15	27.27	27.28	28.00	9.19	17.96	18.08	18.09	18.81
EGPRS (8PSK, 2-Slots)	26.44	26.34	26.33	27.50	6.13	20.31	20.21	20.20	21.37
EGPRS (8PSK, 3-Slots)	24.55	24.57	24.49	25.50	4.42	20.13	20.15	20.07	21.08
EGPRS (8PSK, 4-Slots)	23.42	23.57	23.76	24.50	3.18	20.24	20.39	20.58	21.32

8.2 WCDMA Output Power

WCDMA V				
Band	Band 5			Tune-up Limit Power(dBm)
TX Channel	4132	4182	4233	
RX Channel	4357	4407	4458	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	23.13	23.17	23.14	24.00
HSDPA Subtest-1	22.17	22.10	22.13	23.00
HSDPA Subtest-2	22.13	22.07	22.10	23.00
HSDPA Subtest-3	21.67	21.61	21.63	22.50
HSDPA Subtest-4	21.63	21.57	21.60	22.50
HSUPA Subtest-1	22.09	22.01	22.02	23.00
HSUPA Subtest-2	20.10	19.99	19.98	21.00
HSUPA Subtest-3	21.14	21.08	21.02	22.00
HSUPA Subtest-4	20.03	20.03	20.12	21.00
HSUPA Subtest-5	22.11	21.98	22.07	23.00
HSPA+	19.57	19.57	19.54	20.50

8.3.1 LTE Band2 Output Power

LTE B2 Full							
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	QPSK	1	0	23.56	23.64	23.53	24.50
			49	23.54	23.57	23.50	24.50
			99	23.35	23.46	23.38	24.50
		50	0	22.48	22.58	22.45	23.50
			24	22.33	22.46	22.43	23.50
			50	22.24	22.33	22.27	23.50
	16QAM	100	0	22.20	22.30	22.25	23.50
			0	22.63	22.76	22.64	23.50
			49	22.69	22.71	22.69	23.50
		50	99	22.80	22.65	22.62	23.50
			0	21.50	21.61	21.47	22.50
			24	21.46	21.53	21.49	22.50
15	QPSK	50	50	21.38	21.40	21.31	22.50
			0	21.47	21.54	21.47	22.50
		100	0	18675	18900	19125	Tune-up limit
			Frequency (MHz)				(dBm)
			0	1857.5	1880	1902.5	
	16QAM	1	0	23.43	23.63	23.48	24.50
			37	23.62	23.50	23.35	24.50
			74	23.27	23.31	23.29	24.50
		36	0	22.35	22.48	22.48	23.50
			20	22.24	22.44	22.32	23.50
			39	22.20	22.29	22.16	23.50
10	QPSK	75	0	22.06	22.15	22.24	23.50
			0	22.51	22.71	22.55	23.50
			37	22.66	22.60	22.61	23.50
	16QAM	1	74	22.46	22.58	22.49	23.50
			0	21.37	21.53	21.34	22.50
			20	21.41	21.44	21.47	22.50
5	QPSK	36	39	21.31	21.31	21.25	22.50
			75	21.40	21.45	21.41	22.50
		100	0	18650	18900	19150	Tune-up limit
			Frequency (MHz)				(dBm)
			0	1855	1880	1905	
3	QPSK	1	0	23.55	23.56	23.50	24.50
			25	23.39	23.44	23.36	24.50
			49	23.29	23.40	23.25	24.50
		25	0	22.46	22.48	22.38	23.50
			12	22.32	22.45	22.37	23.50
			25	22.23	22.23	22.11	23.50
1.4	QPSK	50	0	22.17	22.23	22.16	23.50
			0	22.50	22.67	22.56	23.50
		1	25	22.55	22.67	22.65	23.50
			49	22.59	22.52	22.53	23.50
		25	0	21.49	21.53	21.41	22.50
			12	21.45	21.39	21.39	22.50
0.5	QPSK	50	25	21.23	21.30	21.23	22.50
			0	21.40	21.40	21.37	22.50
		100	0	18625	18900	19175	Tune-up limit
			Frequency (MHz)				(dBm)
			0	1852.5	1880	1907.5	
0.3	QPSK	1	0	23.51	23.60	23.45	24.50
			12	23.52	23.52	23.45	24.50
			24	23.33	23.33	23.32	24.50
		12	0	22.44	22.47	22.43	23.50
			7	22.25	22.44	22.39	23.50
			13	22.22	22.22	22.19	23.50
0.2	QPSK	25	0	22.05	22.18	22.13	23.50
			0	22.51	22.61	22.57	23.50
			12	22.62	22.58	22.65	23.50
	16QAM	1	24	22.57	22.64	22.60	23.50
			0	21.47	21.56	21.32	22.50
			7	21.40	21.48	21.39	22.50
0.1	QPSK	12	13	21.25	21.34	21.18	22.50
			0	21.33	21.48	21.35	22.50
		25	0	18615	18900	19185	Tune-up limit
			Frequency (MHz)				(dBm)
			0	1851.5	1880	1908.5	
0.05	QPSK	1	0	23.52	23.60	23.43	24.50
			8	23.52	23.51	23.38	24.50
			14	23.29	23.40	23.32	24.50
		8	0	22.43	22.53	22.47	23.50
			4	22.30	22.34	22.33	23.50
			7	22.18	22.28	22.15	23.50
0.02	QPSK	15	0	22.13	22.21	22.15	23.50
			0	22.62	22.72	22.56	23.50
			8	22.61	22.69	22.57	23.50
	16QAM	1	14	22.50	22.50	22.49	23.50
			0	21.40	21.50	21.39	22.50
			4	21.39	21.39	21.47	22.50
0.01	QPSK	8	7	21.36	21.31	21.28	22.50
			0	21.37	21.42	21.46	22.50
		15	0	18607	18900	19193	Tune-up limit
			Frequency (MHz)				(dBm)
			0	1850.7	1880	1909.3	
0.005	QPSK	1	0	23.52	23.56	23.29	24.50
			3	23.49	23.47	23.42	24.50
			5	23.52	23.35	23.29	24.50
	16QAM	3	0	23.55	23.52	23.45	24.50
			1	23.41	23.44	23.46	24.50
			3	23.54	23.43	23.41	24.50

8.3.2 LTE Band4 Output Power

LTE B4 Full							
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	QPSK	1	0	23.50	23.62	23.39	24.50
			49	23.41	23.55	23.44	24.50
			99	23.28	23.38	23.27	24.50
		50	0	22.43	22.53	22.32	23.50
			24	22.20	22.43	22.29	23.50
			50	22.17	22.28	22.15	23.50
	16QAM	100	0	22.06	22.29	22.11	23.50
			0	22.54	22.66	22.49	23.50
			49	22.54	22.67	22.68	23.50
		1	99	22.50	22.56	22.53	23.50
			0	21.37	21.56	21.36	22.50
			24	21.36	21.39	21.42	22.50
15	QPSK	50	50	21.30	21.27	21.28	22.50
			0	21.45	21.51	21.39	22.50
			0	20025	20175	20325	Tune-up limit (dBm)
			0	1717.5	1732.5	1747.5	
	16QAM	1	0	23.43	23.53	23.39	24.50
			37	23.45	23.49	23.43	24.50
			74	23.28	23.45	23.30	24.50
		36	0	22.36	22.53	22.38	23.50
			20	22.18	22.41	22.42	23.50
			39	22.19	22.25	22.25	23.50
10	QPSK	75	0	22.17	22.16	22.14	23.50
			0	22.61	22.71	22.60	23.50
			37	22.54	22.69	22.66	23.50
	16QAM	1	74	22.52	22.60	22.54	23.50
			0	21.49	21.52	21.42	22.50
			20	21.43	21.47	21.42	22.50
5	QPSK	36	39	21.29	21.34	21.25	22.50
			0	21.40	21.42	21.40	22.50
			0	20000	20175	20350	Tune-up limit (dBm)
			0	1715	1732.5	1750	
	16QAM	1	0	23.52	23.60	23.49	24.50
			25	23.40	23.49	23.41	24.50
			49	23.25	23.38	23.33	24.50
3	QPSK	25	0	22.36	22.44	22.43	23.50
			12	22.19	22.36	22.36	23.50
			25	22.12	22.26	22.25	23.50
		50	0	22.06	22.18	22.19	23.50
			0	22.52	22.74	22.60	23.50
			25	22.57	22.63	22.55	23.50
1.4	QPSK	49	49	22.52	22.53	22.51	23.50
			0	21.46	21.56	21.46	22.50
			12	21.39	21.52	21.45	22.50
	16QAM	25	25	21.34	21.29	21.20	22.50
			0	21.44	21.41	21.42	22.50
			0	19975	20175	20375	Tune-up limit (dBm)
			0	1712.5	1732.5	1752.5	
3	QPSK	1	0	23.42	23.55	23.43	24.50
			12	23.41	23.46	23.47	24.50
			24	23.20	23.39	23.32	24.50
		12	0	22.35	22.57	22.35	23.50
			7	22.24	22.44	22.36	23.50
			13	22.15	22.26	22.23	23.50
3	QPSK	25	0	22.08	22.19	22.23	23.50
			0	22.55	22.66	22.52	23.50
			12	22.65	22.63	22.54	23.50
	16QAM	1	24	22.54	22.59	22.55	23.50
			0	21.40	21.58	21.37	22.50
			7	21.41	21.51	21.47	22.50
3	QPSK	12	13	21.30	21.25	21.30	22.50
			0	21.37	21.48	21.40	22.50
			0	19965	20175	20385	Tune-up limit (dBm)
			0	1711.5	1732.5	1753.5	
3	QPSK	1	0	23.44	23.61	23.43	24.50
			8	23.51	23.53	23.41	24.50
			14	23.33	23.41	23.26	24.50
		8	0	22.35	22.49	22.35	23.50
			4	22.22	22.41	22.40	23.50
			7	22.10	22.25	22.15	23.50
3	QPSK	15	0	22.19	22.17	22.22	23.50
			0	22.51	22.66	22.63	23.50
			8	22.55	22.56	22.63	23.50
	16QAM	1	14	22.51	22.50	22.61	23.50
			0	21.38	21.59	21.41	22.50
			4	21.43	21.50	21.38	22.50
3	QPSK	8	7	21.35	21.38	21.23	22.50
			0	21.44	21.53	21.36	22.50
			0	19957	20175	20393	Tune-up limit (dBm)
			0	1710.7	1732.5	1754.3	
3	QPSK	1	0	23.23	23.44	23.22	24.50
			3	23.39	23.41	23.35	24.50
			5	23.22	23.34	23.30	24.50
	16QAM	3	0	23.34	23.42	23.34	24.50
			1	23.38	23.41	23.37	24.50
			3	23.36	23.43	23.36	24.50

8.3.3 LTE Band5 Output Power

LTE B5 Full							
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	QPSK	1	0	23.23	23.31	23.16	24.00
			25	23.18	23.23	23.19	24.00
			49	23.06	23.17	23.02	24.00
		25	0	22.22	22.25	22.17	23.00
			12	22.04	22.16	22.12	23.00
			25	22.12	22.14	22.00	23.00
		50	0	22.04	22.19	22.16	23.00
			0	22.53	22.56	22.42	23.00
			25	22.44	22.51	22.48	23.00
	16QAM	1	49	22.33	22.45	22.33	23.00
			0	21.09	21.22	21.12	22.00
			12	21.08	21.23	21.19	22.00
		25	25	21.13	21.17	21.09	22.00
			0	21.12	21.19	21.18	22.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	23.20	23.24	23.03	24.00
			12	23.11	23.11	23.12	24.00
			24	23.02	23.13	22.92	24.00
		12	0	22.18	22.22	22.02	23.00
			7	21.99	22.03	22.05	23.00
			13	21.98	22.01	21.98	23.00
		25	0	22.01	22.18	22.04	23.00
			0	22.40	22.52	22.28	23.00
			12	22.39	22.46	22.39	23.00
	16QAM	1	24	22.32	22.37	22.21	23.00
			0	21.07	21.12	21.11	22.00
			7	21.04	21.10	21.15	22.00
		12	13	20.98	21.04	21.07	22.00
			0	21.03	21.10	21.07	22.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	23.16	23.22	23.05	24.00
			8	23.17	23.20	23.10	24.00
			14	23.04	23.12	22.99	24.00
		8	0	22.10	22.21	22.07	23.00
			4	21.95	22.14	22.10	23.00
			7	22.00	22.04	21.93	23.00
		15	0	21.96	22.06	22.11	23.00
			0	22.51	22.47	22.39	23.00
			8	22.38	22.48	22.36	23.00
	16QAM	1	14	22.23	22.36	22.22	23.00
			0	21.03	21.17	21.07	22.00
			4	21.03	21.16	21.17	22.00
		8	7	21.06	21.11	20.95	22.00
			0	20.98	21.11	21.11	22.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	23.14	23.26	23.01	24.00
			3	23.23	23.22	23.17	24.00
			5	23.14	23.11	23.07	24.00
		3	0	23.15	23.21	23.13	24.00
			1	23.15	23.14	23.18	24.00
			3	23.13	23.19	23.14	24.00
		6	0	22.19	22.14	22.17	23.00
			0	22.22	22.56	22.08	23.00
			3	22.34	22.56	22.18	23.00
	16QAM	1	5	22.23	22.49	22.14	23.00
			0	22.25	22.42	22.31	23.00
			1	22.29	22.42	22.37	23.00
		3	3	22.23	22.38	22.35	23.00
			0	21.32	21.05	21.32	22.00

8.3.4 LTE Band12 Output Power

LTE B12 Full							
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	(dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.16	23.21	23.06	24.00
			25	23.04	23.10	23.03	24.00
			49	22.91	22.93	22.81	24.00
		25	0	21.93	22.08	21.97	23.00
			12	21.81	21.96	21.83	23.00
			25	21.89	21.92	21.90	23.00
		50	0	21.95	21.99	21.91	23.00
			0	22.18	22.26	22.17	23.00
			16QAM	1	25	22.12	22.21
	49	22.04			22.15	22.12	23.00
	0	21.00			21.05	20.94	22.00
	25	12		20.98	21.10	20.98	22.00
		25		20.94	21.04	20.95	22.00
		50	0	20.90	21.00	20.91	22.00
Channel				23035	23095	23155	Tune-up power(dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.04	23.14	22.97	24.00
			12	22.90	22.95	22.94	24.00
			24	22.76	22.92	22.68	24.00
		12	0	21.92	22.01	21.94	23.00
			7	21.80	21.88	21.79	23.00
			13	21.88	21.81	21.88	23.00
		25	0	21.90	21.93	21.79	23.00
			0	22.13	22.13	22.07	23.00
			16QAM	1	12	22.10	22.14
	24	21.98			22.05	22.01	23.00
	0	20.90			20.93	20.93	22.00
	12	7		20.97	21.03	20.94	22.00
		13		20.90	20.91	20.91	22.00
		25	0	20.76	20.97	20.86	22.00
Channel				23025	23095	23165	Tune-up power(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.13	23.14	23.05	24.00
			8	22.96	22.98	23.00	24.00
			14	22.87	22.90	22.69	24.00
		8	0	21.89	22.06	21.93	23.00
			4	21.76	21.86	21.75	23.00
			7	21.83	21.78	21.80	23.00
		15	0	21.89	21.93	21.80	23.00
			0	22.10	22.12	22.07	23.00
			8	21.98	22.08	22.08	23.00
	16QAM	1	14	21.94	22.01	21.97	23.00
			0	20.92	21.02	20.88	22.00
			4	20.88	21.01	20.89	22.00
		8	7	20.80	20.98	20.90	22.00
			0	20.81	20.99	20.90	22.00
Channel				23017	23095	23173	Tune-up power(dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.92	23.09	22.71	24.00
			3	23.05	23.01	22.89	24.00
			5	22.92	22.96	22.80	24.00
		3	0	23.02	23.08	22.90	24.00
			1	23.06	23.01	22.97	24.00
			3	23.03	22.98	22.97	24.00
		6	0	22.03	22.01	21.96	23.00
			0	22.07	22.26	21.87	23.00
			3	22.19	22.21	21.93	23.00
	16QAM	1	5	22.04	22.15	21.84	23.00
			0	22.15	22.26	22.13	23.00
			1	22.18	22.30	22.18	23.00
		3	3	22.09	22.29	22.17	23.00
			0	21.17	20.94	21.11	22.00

8.3.5 LTE Band13 Output Power

LTE B13 Full								
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	QPSK	1	0		23.25		24.00	
			25		23.15		24.00	
			49		23.08		24.00	
		25	0		22.20		23.00	
			12		22.11		23.00	
			25		22.03		23.00	
		50	0		22.13		23.00	
			16QAM		0		22.00	23.00
					1		25	22.11
	49	22.01					23.00	
	25	0					21.18	22.00
		12			21.30		22.00	
		25			21.20		22.00	
	50	0	21.22		22.00			
	Channel				23205		23230	23255
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	23.14	23.21	23.11	24.00	
			12	23.07	23.02	23.01	24.00	
			24	22.94	22.93	22.95	24.00	
		12	0	22.12	22.18	22.10	23.00	
			7	21.97	21.99	21.99	23.00	
			13	21.98	21.96	21.93	23.00	
		25	0	22.07	22.05	22.00	23.00	
			16QAM	0	21.93	21.96	21.98	23.00
				1	12	22.08	22.06	22.08
	24	21.87			22.00	21.89	23.00	
	12	0			21.13	21.03	21.03	22.00
		7		21.24	21.26	21.28	22.00	
		13		21.14	21.15	21.09	22.00	
	25	0	21.11	21.20	21.09	22.00		

8.3.6 LTE Band66 Output Power

LTE B66 Full							
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	QPSK	1	0	23.53	23.55	23.47	24.50
			49	23.53	23.48	23.39	24.50
			99	23.32	23.35	23.24	24.50
		50	0	22.34	22.56	22.42	23.50
			24	22.25	22.42	22.28	23.50
			50	22.12	22.20	22.24	23.50
	16QAM	100	0	22.07	22.23	22.20	23.50
			0	22.49	22.62	22.56	23.50
			49	22.64	22.64	22.59	23.50
		1	99	22.52	22.58	22.55	23.50
			0	21.37	21.56	21.33	22.50
			24	21.43	21.50	21.41	22.50
15	QPSK	50	50	21.35	21.35	21.24	22.50
			0	21.32	21.46	21.46	22.50
			100	21.32	21.46	21.46	22.50
	16QAM	1	0	23.46	23.53	23.42	24.50
			37	23.52	23.42	23.47	24.50
			74	23.21	23.38	23.34	24.50
10	QPSK	36	0	22.42	22.52	22.35	23.50
			20	22.21	22.41	22.39	23.50
			39	22.12	22.27	22.12	23.50
		75	0	22.08	22.24	22.15	23.50
			0	22.48	22.75	22.49	23.50
			37	22.68	22.63	22.60	23.50
5	QPSK	1	74	22.59	22.61	22.60	23.50
			0	21.39	21.49	21.46	22.50
			20	21.33	21.41	21.47	22.50
	16QAM	36	39	21.37	21.28	21.17	22.50
			0	21.42	21.40	21.39	22.50
			75	0	21.42	21.38	22.50
3	QPSK	1	0	23.42	23.54	23.38	24.50
			25	23.39	23.49	23.35	24.50
			49	23.24	23.38	23.35	24.50
		25	0	22.46	22.52	22.43	23.50
			12	22.25	22.33	22.38	23.50
			25	22.15	22.26	22.12	23.50
1.4	QPSK	50	0	22.14	22.26	22.23	23.50
			0	22.53	22.75	22.54	23.50
			25	22.59	22.56	22.56	23.50
	16QAM	1	49	22.48	22.61	22.59	23.50
			0	21.39	21.51	21.44	22.50
			12	21.40	21.42	21.37	22.50
0.5	QPSK	25	25	21.28	21.36	21.17	22.50
			0	21.45	21.42	21.38	22.50
			50	0	21.45	21.38	22.50
	16QAM	1	0	23.43	23.52	23.46	24.50
			12	23.51	23.47	23.43	24.50
			24	23.26	23.40	23.26	24.50
0.3	QPSK	12	0	22.41	22.54	22.32	23.50
			7	22.29	22.31	22.41	23.50
			13	22.22	22.27	22.16	23.50
	16QAM	25	0	22.11	22.27	22.17	23.50
			0	22.80	22.61	22.52	23.50
			12	22.57	22.58	22.64	23.50
0.2	QPSK	1	24	22.46	22.54	22.58	23.50
			0	21.46	21.55	21.46	22.50
			7	21.35	21.47	21.36	22.50
	16QAM	12	13	21.29	21.36	21.18	22.50
			0	21.37	21.39	21.46	22.50
			25	0	21.37	21.39	22.50
0.1	QPSK	1	0	23.42	23.53	23.51	24.50
			8	23.42	23.47	23.36	24.50
			14	23.34	23.43	23.28	24.50
	16QAM	8	0	22.38	22.55	22.31	23.50
			4	22.26	22.32	22.31	23.50
			7	22.20	22.19	22.13	23.50
0.05	QPSK	15	0	22.12	22.27	22.14	23.50
			0	22.51	22.69	22.52	23.50
			8	22.55	22.63	22.59	23.50
	16QAM	1	14	22.53	22.58	22.51	23.50
			0	21.49	21.48	21.46	22.50
			4	21.33	21.51	21.41	22.50
0.02	QPSK	8	7	21.25	21.31	21.24	22.50
			0	21.33	21.50	21.33	22.50
			15	0	21.33	21.57	22.50
	16QAM	3	0	23.25	23.48	23.24	24.50
			3	23.37	23.35	23.34	24.50
			5	23.20	23.25	23.25	24.50
0.01	QPSK	0	0	23.34	23.44	23.33	24.50
			1	23.39	23.42	23.35	24.50
			3	23.33	23.33	23.34	24.50
	16QAM	6	0	22.26	22.29	22.34	23.50
			0	22.34	22.60	22.32	23.50
			3	22.43	22.68	22.41	23.50

8.3.7 LTE Band71 Output Power

LTE B71 Full								
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	Tune-up limit (dBm)	
Frequency (MHz)				673	683	688		
20	QPSK	1	0	23.06	23.19	23.14	24.00	
			49	23.06	23.07	22.95	24.00	
			99	22.90	22.98	22.89	24.00	
		50	0	22.09	22.13	22.00	23.00	
			24	21.96	22.05	22.04	23.00	
			50	21.90	21.98	21.84	23.00	
		100	0	21.99	22.00	21.89	23.00	
			0	22.26	22.36	22.25	23.00	
			49	22.13	22.23	22.22	23.00	
	16QAM	1	99	22.18	22.19	22.12	23.00	
			0	20.95	21.06	21.02	22.00	
			24	21.03	21.10	21.00	22.00	
		50	50	21.00	21.01	20.94	22.00	
			100	0	20.84	20.98	20.93	22.00
Channel				133197	133297	133397	Tune-up limit (dBm)	
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	22.91	23.10	23.03	24.00	
			37	23.02	23.01	22.83	24.00	
			74	22.86	22.84	22.87	24.00	
		36	0	21.98	22.06	21.91	23.00	
			20	21.86	22.01	21.98	23.00	
			39	21.82	21.96	21.75	23.00	
		75	0	21.93	21.90	21.79	23.00	
			0	22.15	22.25	22.17	23.00	
			37	22.02	22.17	22.16	23.00	
	16QAM	1	74	22.17	22.06	22.03	23.00	
			0	20.88	20.96	20.95	22.00	
			20	21.01	21.06	20.94	22.00	
		36	39	20.95	20.92	20.90	22.00	
			0	20.74	20.94	20.81	22.00	
Channel				133172	133297	133422	Tune-up limit (dBm)	
Frequency (MHz)				668	680.5	693		
10	QPSK	1	0	23.00	23.08	23.01	24.00	
			25	22.99	22.94	22.93	24.00	
			49	22.79	22.83	22.88	24.00	
		25	0	22.02	22.05	21.96	23.00	
			12	21.83	21.91	22.02	23.00	
			25	21.81	21.92	21.81	23.00	
		50	0	21.90	21.88	21.75	23.00	
			0	22.17	22.27	22.10	23.00	
			25	22.11	22.16	22.14	23.00	
	16QAM	1	49	22.11	22.15	22.08	23.00	
			0	20.82	20.99	21.01	22.00	
			12	20.93	21.06	20.89	22.00	
		25	25	20.94	20.89	20.83	22.00	
			0	20.75	20.90	20.91	22.00	
Channel				133147	133297	133447	Tune-up limit (dBm)	
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	0	23.00	23.18	23.12	24.00	
			12	22.95	22.93	22.81	24.00	
			24	22.80	22.96	22.84	24.00	
		12	0	22.02	22.08	21.94	23.00	
			7	21.88	21.95	21.93	23.00	
			13	21.81	21.88	21.78	23.00	
		25	0	21.97	21.87	21.86	23.00	
			0	22.25	22.30	22.24	23.00	
			12	21.98	22.12	22.13	23.00	
	16QAM	1	24	22.03	22.09	22.05	23.00	
			0	20.81	20.91	20.97	22.00	
			7	20.96	21.03	20.91	22.00	
		12	13	20.86	20.93	20.83	22.00	
			25	0	20.69	20.87	20.89	22.00

8.3.8 LTE Band41 Output Power

LTE B41 Full										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.64	25.70	25.79	25.76	25.65	26.50	
			49	25.57	25.63	25.72	25.64	25.59	26.50	
			99	25.58	25.44	25.59	25.47	25.50	26.50	
		50	0	24.68	24.69	24.78	24.75	24.64	25.50	
			24	24.57	24.64	24.66	24.62	24.58	25.50	
			50	24.56	24.59	24.63	24.58	24.49	25.50	
	100	0	24.54	24.60	24.64	24.56	24.51	25.50		
		0	24.74	24.82	24.83	24.71	24.69	25.50		
		16QAM	1	49	24.64	24.72	24.74	24.60	24.72	25.50
	99			24.53	24.56	24.65	24.64	24.50	25.50	
	0			23.58	23.65	23.73	23.61	23.70	24.50	
	50		24	23.63	23.65	23.68	23.56	23.58	24.50	
			50	23.59	23.57	23.67	23.63	23.59	24.50	
			0	23.61	23.64	23.67	23.52	23.65	24.50	
	Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
	Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.54	25.57	25.78	25.74	25.55	26.50	
			37	25.52	25.62	25.69	25.57	25.54	26.50	
			74	25.57	25.43	25.55	25.41	25.48	26.50	
		36	0	24.60	24.54	24.75	24.66	24.63	25.50	
			20	24.46	24.60	24.58	24.59	24.52	25.50	
			39	24.47	24.46	24.59	24.55	24.39	25.50	
	75	0	24.53	24.52	24.56	24.46	24.39	25.50		
		0	24.67	24.80	24.74	24.69	24.64	25.50		
		16QAM	1	37	24.56	24.71	24.71	24.51	24.63	25.50
	74			24.41	24.50	24.50	24.63	24.48	25.50	
	0			23.57	23.60	23.62	23.59	23.68	24.50	
	36		20	23.55	23.53	23.61	23.44	23.56	24.50	
			39	23.52	23.43	23.58	23.53	23.50	24.50	
			0	23.50	23.57	23.57	23.44	23.62	24.50	
	Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
	Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.55	25.64	25.71	25.70	25.53	26.50	
			25	25.43	25.57	25.68	25.53	25.48	26.50	
			49	25.57	25.32	25.57	25.37	25.46	26.50	
		25	0	24.55	24.57	24.73	24.71	24.62	25.50	
			12	24.52	24.58	24.55	24.56	24.52	25.50	
			25	24.42	24.57	24.57	24.48	24.47	25.50	
	50	0	24.45	24.50	24.59	24.46	24.44	25.50		
		0	24.67	24.72	24.77	24.58	24.63	25.50		
		16QAM	1	25	24.55	24.62	24.73	24.56	24.63	25.50
	49			24.44	24.55	24.50	24.60	24.47	25.50	
	0			23.48	23.50	23.63	23.51	23.56	24.50	
	25		12	23.54	23.52	23.56	23.49	23.52	24.50	
			25	23.44	23.49	23.57	23.48	23.51	24.50	
			0	23.59	23.58	23.61	23.43	23.58	24.50	
	Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
	Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	25.61	25.63	25.75	25.61	25.62	26.50	
			12	25.49	25.56	25.69	25.56	25.44	26.50	
			24	25.43	25.30	25.51	25.45	25.37	26.50	
		12	0	24.56	24.56	24.64	24.61	24.54	25.50	
			7	24.56	24.60	24.61	24.60	24.48	25.50	
			13	24.44	24.54	24.50	24.52	24.47	25.50	
	25	0	24.45	24.49	24.55	24.52	24.49	25.50		
		16QAM	1	0	24.72	24.76	24.73	24.67	24.68	25.50
				12	24.54	24.65	24.67	24.49	24.65	25.50
	24			24.48	24.52	24.62	24.49	24.37	25.50	
	12		0	23.48	23.50	23.61	23.46	23.59	24.50	
			7	23.59	23.62	23.55	23.52	23.51	24.50	
			13	23.44	23.48	23.58	23.55	23.51	24.50	
	25	0	23.46	23.50	23.61	23.48	23.57	24.50		