

8 CONDUCTED RF OUPUT POWER

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8.1 GSM Output Power

GSM-Ant.1									
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm)
Channel	128	190	251			128	190	251	
GSM (GMSK, 1-Slot)	32.73	32.12	32.47	33.00	9.19	23.54	22.93	23.28	23.81
GPRS (GMSK, 1-Slot)	32.76	32.13	32.46	33.00	9.19	23.57	22.94	23.27	23.81
GPRS (GMSK, 2-Slots)	32.13	31.49	31.81	33.00	6.13	26.00	25.36	25.68	26.87
GPRS (GMSK, 3-Slots)	30.63	29.91	30.24	31.00	4.42	26.21	25.49	25.82	26.58
GPRS (GMSK, 4-Slots)	29.48	28.83	29.18	30.00	3.18	26.30	25.65	26.00	26.82
EGPRS (8PSK, 1-Slot)	28.44	28.75	29.26	30.00	9.19	19.25	19.56	20.07	20.81
EGPRS (8PSK, 2-Slots)	27.59	27.76	28.11	29.00	6.13	21.46	21.63	21.98	22.87
EGPRS (8PSK, 3-Slots)	25.58	25.81	26.17	27.00	4.42	21.16	21.39	21.75	22.58
EGPRS (8PSK, 4-Slots)	24.77	24.82	25.11	26.00	3.18	21.59	21.64	21.93	22.82
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged			Tune-up Power(dBm)
Channel	512	661	810			512	661	810	
GSM (GMSK, 1-Slot)	29.86	29.71	29.86	30.00	9.19	20.67	20.52	20.67	20.81
GPRS (GMSK, 1-Slot)	29.99	29.81	29.96	30.00	9.19	20.80	20.62	20.77	20.81
GPRS (GMSK, 2-Slots)	29.24	29.07	29.22	30.00	6.13	23.11	22.94	23.09	23.87
GPRS (GMSK, 3-Slots)	27.45	27.32	27.47	28.00	4.42	23.03	22.90	23.05	23.58
GPRS (GMSK, 4-Slots)	26.37	26.19	26.41	27.00	3.18	23.19	23.01	23.23	23.82
EGPRS (8PSK, 1-Slot)	28.97	29.06	29.08	30.00	9.19	19.78	19.87	19.89	20.81
EGPRS (8PSK, 2-Slots)	28.22	28.28	28.34	29.00	6.13	22.09	22.15	22.21	22.87
EGPRS (8PSK, 3-Slots)	26.48	26.58	26.57	27.00	4.42	22.06	22.16	22.15	22.58
EGPRS (8PSK, 4-Slots)	25.54	25.60	25.69	26.00	3.18	22.36	22.42	22.51	22.82

8.2 WCDMA Output Power

WCDMA-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	22.77	22.99	22.92	23.50
RMC 12.2Kbps	22.83	23.01	22.93	23.50
HSDPA Subtest-1	22.00	21.89	22.00	23.00
HSDPA Subtest-2	21.95	21.80	21.97	22.00
HSDPA Subtest-3	21.45	21.34	21.47	22.00
HSDPA Subtest-4	21.44	21.33	21.47	22.00
HSUPA Subtest-1	19.99	19.88	19.95	20.00
HSUPA Subtest-2	19.96	19.89	19.93	20.00
HSUPA Subtest-3	20.98	20.88	20.93	21.00
HSUPA Subtest-4	19.51	19.39	19.49	20.00
HSUPA Subtest-5	20.96	20.84	20.93	21.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	22.21	22.41	22.57	23.50
RMC 12.2Kbps	22.58	22.49	22.32	23.50
HSDPA Subtest-1	21.32	21.49	21.65	22.00
HSDPA Subtest-2	21.29	21.47	21.27	22.00
HSDPA Subtest-3	20.76	20.98	20.85	21.00
HSDPA Subtest-4	20.81	20.97	20.88	21.00
HSUPA Subtest-1	19.35	19.52	19.60	20.00
HSUPA Subtest-2	19.37	19.50	19.62	20.00
HSUPA Subtest-3	20.33	20.47	20.62	21.00
HSUPA Subtest-4	18.89	19.05	19.18	20.00
HSUPA Subtest-5	20.33	20.49	20.60	21.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	22.11	22.21	22.16	23.50
RMC 12.2Kbps	22.22	22.25	22.23	23.50
HSDPA Subtest-1	21.23	21.26	21.25	22.00
HSDPA Subtest-2	21.21	21.19	21.17	22.00
HSDPA Subtest-3	20.71	20.70	20.71	21.00
HSDPA Subtest-4	20.70	20.69	20.70	21.00
HSUPA Subtest-1	19.29	19.28	19.29	20.00
HSUPA Subtest-2	19.28	19.25	19.30	20.00
HSUPA Subtest-3	20.24	20.23	20.27	21.00
HSUPA Subtest-4	18.83	18.81	18.82	19.00
HSUPA Subtest-5	20.22	20.20	20.23	21.00

8.3.1 LTE Band2 Output Power

LTE B2-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.20	23.16	23.23	24.00	
		MID	QPSK	23.36	23.28	23.42	24.00	
		HIGH	QPSK	23.18	23.16	23.24	24.00	
	3	LOW	QPSK	23.27	23.19	23.28	24.00	
		MID	QPSK	23.29	23.24	23.31	24.00	
		HIGH	QPSK	23.25	23.17	23.29	24.00	
	6	LOW	QPSK	22.26	22.19	22.30	23.00	
	1.4	1	LOW	Q16	22.25	22.49	22.16	23.00
			MID	Q16	22.46	22.61	22.27	23.00
HIGH			Q16	22.28	22.47	22.12	23.00	
3		LOW	Q16	22.27	22.36	22.33	23.00	
		MID	Q16	22.27	22.35	22.36	23.00	
		HIGH	Q16	22.24	22.34	22.33	23.00	
6		LOW	Q16	21.39	21.10	21.43	22.00	
1.4		1	LOW	64QAM	21.27	21.62	21.23	22.00
			MID	64QAM	21.50	21.58	21.24	22.00
	HIGH		64QAM	21.41	21.42	21.10	22.00	
	3	LOW	64QAM	21.41	21.51	21.40	22.00	
		MID	64QAM	21.34	21.44	21.35	22.00	
		HIGH	64QAM	21.38	21.47	21.43	22.00	
	6	LOW	64QAM	20.24	20.18	20.46	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	23.12	23.13	22.88	24.00
MID			QPSK	23.08	23.44	23.39	24.00	
HIGH			QPSK	23.65	22.87	23.00	24.00	
8		LOW	QPSK	22.14	22.43	22.41	23.00	
		MID	QPSK	22.15	22.09	22.10	23.00	
		HIGH	QPSK	22.33	22.34	22.16	23.00	
15		LOW	QPSK	22.18	22.25	22.24	23.00	
3		1	LOW	Q16	22.37	22.37	22.38	23.00
			MID	Q16	22.66	22.93	22.81	23.00
	HIGH		Q16	22.85	22.25	22.26	23.00	
	8	LOW	Q16	21.26	21.17	21.32	22.00	
		MID	Q16	21.12	21.21	21.29	22.00	
		HIGH	Q16	21.46	21.31	21.15	22.00	
	15	LOW	Q16	21.35	21.38	21.27	22.00	
	3	1	LOW	64QAM	21.13	21.40	21.31	22.00
			MID	64QAM	21.57	21.98	21.78	22.00
HIGH			64QAM	21.82	21.45	21.39	22.00	
8		LOW	64QAM	19.97	20.06	20.27	21.00	
		MID	64QAM	20.25	20.25	20.00	21.00	
		HIGH	64QAM	20.30	20.09	20.26	21.00	
15		LOW	64QAM	20.28	20.28	20.28	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	23.19	22.94	22.82	24.00
	MID		QPSK	22.97	23.28	23.29	24.00	
	HIGH		QPSK	23.59	22.98	23.14	24.00	
	12	LOW	QPSK	22.13	22.15	22.22	23.00	
		MID	QPSK	22.30	22.17	22.17	23.00	
		HIGH	QPSK	22.36	22.12	22.38	23.00	
	25	LOW	QPSK	22.15	22.12	22.33	23.00	
	5	1	LOW	Q16	22.13	22.45	22.33	23.00
			MID	Q16	22.73	22.80	22.81	23.00
HIGH			Q16	22.85	22.44	22.23	23.00	
12		LOW	Q16	21.15	21.16	21.36	22.00	
		MID	Q16	21.14	21.33	21.12	22.00	
		HIGH	Q16	21.40	21.17	21.36	22.00	
25		LOW	Q16	21.25	21.24	21.14	22.00	
5		1	LOW	64QAM	21.10	21.57	21.34	22.00
			MID	64QAM	21.83	21.81	21.99	22.00
	HIGH		64QAM	21.92	21.28	21.35	22.00	
	12	LOW	64QAM	20.06	20.13	20.37	21.00	
		MID	64QAM	20.25	20.33	20.06	21.00	
		HIGH	64QAM	20.21	20.02	20.40	21.00	
	25	LOW	64QAM	20.08	20.24	20.26	21.00	

LTE B2-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	23.00	23.00	22.80	24.00	
		MID	QPSK	23.14	23.42	23.26	24.00	
		HIGH	QPSK	23.61	23.09	23.13	24.00	
	25	LOW	QPSK	22.30	22.35	22.36	23.00	
		MID	QPSK	22.35	22.10	22.18	23.00	
		HIGH	QPSK	22.34	22.21	22.23	23.00	
	50	LOW	QPSK	22.30	22.42	22.40	23.00	
	10	1	LOW	Q16	22.21	22.62	22.16	23.00
			MID	Q16	22.65	22.67	22.61	23.00
HIGH			Q16	22.51	22.42	22.29	23.00	
25		LOW	Q16	21.10	21.13	21.28	22.00	
		MID	Q16	21.13	21.31	21.34	22.00	
		HIGH	Q16	21.37	21.42	21.15	22.00	
50		LOW	Q16	21.23	21.22	21.36	22.00	
10		1	LOW	64QAM	21.24	21.48	21.27	22.00
			MID	64QAM	21.74	21.85	21.73	22.00
	HIGH		64QAM	21.74	21.55	21.36	22.00	
	25	LOW	64QAM	20.21	20.27	20.26	21.00	
		MID	64QAM	20.29	20.21	20.23	21.00	
		HIGH	64QAM	20.23	20.22	20.15	21.00	
	50	LOW	64QAM	20.41	20.56	20.19	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	23.20	22.97	22.84	24.00
MID			QPSK	23.12	23.38	23.31	24.00	
HIGH			QPSK	23.46	22.96	23.14	24.00	
36		LOW	QPSK	22.36	22.22	22.38	23.00	
		MID	QPSK	22.38	22.09	22.10	23.00	
		HIGH	QPSK	22.37	22.26	22.26	23.00	
75		LOW	QPSK	22.20	22.36	22.37	23.00	
15		1	LOW	Q16	22.36	22.42	22.21	23.00
			MID	Q16	22.63	22.93	22.68	23.00
	HIGH		Q16	22.84	22.21	22.20	23.00	
	36	LOW	Q16	21.07	21.36	21.16	22.00	
		MID	Q16	21.37	21.22	21.18	22.00	
		HIGH	Q16	21.38	21.40	21.13	22.00	
	75	LOW	Q16	21.16	21.37	21.13	22.00	
	15	1	LOW	64QAM	21.30	21.59	21.32	22.00
			MID	64QAM	21.81	21.55	21.59	22.00
HIGH			64QAM	21.56	21.45	21.24	22.00	
36		LOW	64QAM	20.24	20.19	20.32	21.00	
		MID	64QAM	20.32	20.17	20.28	21.00	
		HIGH	64QAM	20.29	20.35	20.12	21.00	
75		LOW	64QAM	20.22	20.37	20.17	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	23.10	22.56	22.86	24.00
	MID		QPSK	23.06	23.09	23.51	24.00	
	HIGH		QPSK	22.43	22.96	23.00	24.00	
	50	LOW	QPSK	22.21	22.28	22.27	23.00	
		MID	QPSK	22.23	22.24	22.35	23.00	
		HIGH	QPSK	22.25	22.23	22.25	23.00	
	100	LOW	QPSK	22.20	22.27	22.29	23.00	
	20	1	LOW	Q16	22.25	22.51	22.27	23.00
			MID	Q16	22.59	22.82	22.75	23.00
HIGH			Q16	22.98	22.34	22.34	23.00	
50		LOW	Q16	21.15	21.23	21.21	22.00	
		MID	Q16	21.26	21.27	21.22	22.00	
		HIGH	Q16	21.31	21.28	21.25	22.00	
100		LOW	Q16	21.22	21.27	21.28	22.00	
20		1	LOW	64QAM	21.25	21.55	21.24	22.00
			MID	64QAM	21.73	21.94	21.71	22.00
	HIGH		64QAM	21.94	21.41	21.32	22.00	
	50	LOW	64QAM	20.11	20.12	20.23	21.00	
		MID	64QAM	20.29	20.20	20.19	21.00	
		HIGH	64QAM	20.32	20.34	20.15	21.00	
	100	LOW	64QAM	20.37	20.42	20.23	21.00	

8.3.2 LTE Band4 Output Power

LTE B4-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	0	QPSK	22.77	22.76	22.89	24.00
		MID	12	QPSK	23.49	23.36	23.06	24.00
		HIGH	24	QPSK	23.01	23.09	22.89	24.00
	3	LOW	0	QPSK	22.70	22.90	22.75	24.00
		MID	7	QPSK	23.49	23.41	23.14	24.00
		HIGH	13	QPSK	22.83	23.02	22.96	24.00
6	LOW	0	QPSK	22.15	21.97	22.24	23.00	
1.4	1	LOW	0	Q16	22.18	22.15	22.15	23.00
		MID	12	Q16	22.60	22.84	22.68	23.00
		HIGH	24	Q16	22.37	22.50	22.26	23.00
	3	LOW	0	Q16	22.21	22.34	22.24	23.00
		MID	7	Q16	22.81	22.84	22.69	23.00
		HIGH	13	Q16	22.20	22.31	22.15	23.00
6	LOW	0	Q16	20.99	21.25	21.09	22.00	
1.4	1	LOW	0	64QAM	21.26	21.19	21.35	22.00
		MID	12	64QAM	21.83	21.86	21.76	22.00
		HIGH	24	64QAM	21.21	21.50	21.26	22.00
	3	LOW	0	64QAM	21.37	21.28	21.40	22.00
		MID	7	64QAM	21.59	21.95	21.78	22.00
		HIGH	13	64QAM	21.49	21.41	21.18	22.00
6	LOW	0	64QAM	20.08	20.22	20.12	21.00	
Bandwidth (MHz)	RB Size	RB offset	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	0	QPSK	22.57	22.82	22.99	24.00
		MID	25	QPSK	23.30	23.37	23.20	24.00
		HIGH	49	QPSK	22.99	22.99	22.86	24.00
	8	LOW	0	QPSK	22.05	22.06	22.12	23.00
		MID	12	QPSK	22.11	22.29	22.31	23.00
		HIGH	25	QPSK	21.82	22.26	22.21	23.00
15	LOW	0	QPSK	21.98	22.05	22.24	23.00	
3	1	LOW	0	Q16	22.05	22.22	22.25	23.00
		MID	25	Q16	22.68	22.64	22.79	23.00
		HIGH	49	Q16	22.36	22.32	22.25	23.00
	8	LOW	0	Q16	21.15	21.11	21.28	22.00
		MID	12	Q16	20.92	21.03	21.23	22.00
		HIGH	25	Q16	20.98	21.27	21.32	22.00
15	LOW	0	Q16	21.01	21.14	21.35	22.00	
3	1	LOW	0	64QAM	21.42	21.11	21.39	22.00
		MID	25	64QAM	21.78	21.86	21.93	22.00
		HIGH	49	64QAM	21.21	21.55	21.04	22.00
	8	LOW	0	64QAM	19.86	20.23	20.16	21.00
		MID	12	64QAM	20.16	20.18	20.05	21.00
		HIGH	25	64QAM	20.20	20.11	20.26	21.00
15	LOW	0	64QAM	19.86	20.07	20.30	21.00	
Bandwidth (MHz)	RB Size	RB offset	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	0	QPSK	22.78	22.92	22.88	24.00
		MID	37	QPSK	23.39	23.40	23.29	24.00
		HIGH	74	QPSK	22.85	23.04	22.83	24.00
	12	LOW	0	QPSK	21.77	22.20	22.20	23.00
		MID	20	QPSK	22.00	22.01	22.16	23.00
		HIGH	39	QPSK	21.93	22.16	22.15	23.00
25	LOW	0	QPSK	21.92	22.21	22.30	23.00	
5	1	LOW	0	Q16	22.11	22.22	22.33	23.00
		MID	37	Q16	22.71	22.87	22.89	23.00
		HIGH	74	Q16	22.36	22.48	22.09	23.00
	12	LOW	0	Q16	20.94	21.13	21.02	22.00
		MID	20	Q16	21.11	21.16	21.09	22.00
		HIGH	39	Q16	20.96	21.30	21.13	22.00
25	LOW	0	Q16	21.04	21.04	21.33	22.00	
5	1	LOW	0	64QAM	21.25	21.14	21.28	22.00
		MID	37	64QAM	21.75	21.82	21.95	22.00
		HIGH	74	64QAM	21.38	21.58	21.24	22.00
	12	LOW	0	64QAM	19.95	20.12	19.91	21.00
		MID	20	64QAM	20.22	20.06	20.06	21.00
		HIGH	39	64QAM	20.05	20.08	20.16	21.00
25	LOW	0	64QAM	19.81	20.30	20.06	21.00	

LTE B4-Ant.1									
Bandwidth (MHz)	RB Size	RB offset	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	0	QPSK	22.80	22.77	22.83	24.00	
		MID	49	QPSK	23.29	23.49	23.31	24.00	
		HIGH	99	QPSK	22.83	22.85	22.87	24.00	
	25	LOW	0	QPSK	21.88	22.16	22.19	23.00	
		MID	24	QPSK	21.93	22.28	22.18	23.00	
		HIGH	50	QPSK	21.90	22.06	22.30	23.00	
	50	LOW	0	QPSK	22.12	22.01	22.35	23.00	
	10	1	LOW	0	Q16	22.12	22.25	22.43	23.00
			MID	49	Q16	22.65	22.82	22.61	23.00
HIGH			99	Q16	22.50	22.42	22.16	23.00	
25		LOW	0	Q16	20.95	21.04	21.24	22.00	
		MID	24	Q16	21.11	21.07	21.05	22.00	
		HIGH	50	Q16	21.09	21.12	21.23	22.00	
50		LOW	0	Q16	20.97	21.30	21.12	22.00	
10		1	LOW	0	64QAM	21.30	21.27	21.19	22.00
			MID	49	64QAM	21.60	21.74	21.80	22.00
	HIGH		99	64QAM	21.45	21.45	21.39	22.00	
	25	LOW	0	64QAM	20.17	20.08	19.98	21.00	
		MID	24	64QAM	20.20	19.95	20.13	21.00	
		HIGH	50	64QAM	19.96	20.11	20.50	21.00	
	50	LOW	0	64QAM	19.90	20.23	20.16	21.00	
	Bandwidth (MHz)	RB Size	RB offset	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	0	QPSK	22.82	22.86	22.94	24.00
MID			37	QPSK	23.38	23.39	23.02	24.00	
HIGH			74	QPSK	22.88	23.10	23.00	24.00	
36		LOW	0	QPSK	21.90	22.19	22.21	23.00	
		MID	20	QPSK	22.09	22.09	22.23	23.00	
		HIGH	39	QPSK	22.05	22.15	22.26	23.00	
75		LOW	0	QPSK	21.93	22.26	22.11	23.00	
15		1	LOW	0	Q16	22.27	22.11	22.39	23.00
			MID	37	Q16	22.77	22.63	22.80	23.00
	HIGH		74	Q16	22.23	22.33	22.32	23.00	
	36	LOW	0	Q16	20.97	21.21	21.22	22.00	
		MID	20	Q16	21.18	21.19	21.22	22.00	
		HIGH	39	Q16	21.12	21.21	21.20	22.00	
	75	LOW	0	Q16	20.91	21.20	21.32	22.00	
	15	1	LOW	0	64QAM	21.10	21.29	21.42	22.00
			MID	37	64QAM	21.71	21.61	21.89	22.00
HIGH			74	64QAM	21.43	21.51	21.49	22.00	
36		LOW	0	64QAM	20.13	20.10	19.99	21.00	
		MID	20	64QAM	20.08	20.10	20.24	21.00	
		HIGH	39	64QAM	19.77	20.27	20.28	21.00	
75		LOW	0	64QAM	20.00	20.14	20.08	21.00	
Bandwidth (MHz)		RB Size	RB offset	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	0	QPSK	22.67	22.83	22.90	24.00
	MID		49	QPSK	23.37	23.35	23.16	24.00	
	HIGH		99	QPSK	22.90	22.97	22.86	24.00	
	50	LOW	0	QPSK	21.92	22.14	22.16	23.00	
		MID	24	QPSK	22.21	22.14	22.07	23.00	
		HIGH	50	QPSK	21.94	22.14	22.17	23.00	
	100	LOW	0	QPSK	22.00	22.11	22.22	23.00	
	20	1	LOW	0	Q16	22.18	22.24	22.29	23.00
			MID	49	Q16	22.72	22.76	22.75	23.00
HIGH			99	Q16	22.35	22.40	22.22	23.00	
50		LOW	0	Q16	21.02	21.17	21.13	22.00	
		MID	24	Q16	21.07	21.18	21.19	22.00	
		HIGH	50	Q16	21.00	21.19	21.24	22.00	
100		LOW	0	Q16	21.04	21.15	21.22	22.00	
20		1	LOW	0	64QAM	21.20	21.32	21.29	22.00
			MID	49	64QAM	21.68	21.62	21.86	22.00
	HIGH		99	64QAM	21.44	21.43	21.37	22.00	
	50	LOW	0	64QAM	20.10	20.22	20.06	21.00	
		MID	24	64QAM	20.05	20.04	20.24	21.00	
		HIGH	50	64QAM	19.89	20.12	20.38	21.00	
	100	LOW	0	64QAM	20.02	20.17	20.08	21.00	

8.3.3 LTE Band5 Output Power

LTE B5-Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.74	22.87	22.86	24.00
		MID	QPSK	23.17	23.09	23.17	24.00
		HIGH	QPSK	23.02	22.86	22.79	24.00
	3	LOW	QPSK	23.02	22.87	22.97	24.00
		MID	QPSK	23.19	22.94	22.96	24.00
		HIGH	QPSK	22.89	22.76	22.73	24.00
6	LOW	QPSK	21.87	22.09	22.03	23.00	
1.4	1	LOW	Q16	21.84	22.41	22.08	23.00
		MID	Q16	21.91	22.46	22.05	23.00
		HIGH	Q16	21.71	22.24	21.98	23.00
	3	LOW	Q16	21.80	22.16	22.03	23.00
		MID	Q16	22.10	22.29	21.97	23.00
		HIGH	Q16	21.98	22.26	22.03	23.00
6	LOW	Q16	21.13	21.00	21.23	22.00	
1.4	1	LOW	64QAM	21.02	21.12	20.98	22.00
		MID	64QAM	21.14	21.58	21.07	22.00
		HIGH	64QAM	20.57	21.27	20.86	22.00
	3	LOW	64QAM	20.90	21.23	20.93	22.00
		MID	64QAM	21.17	21.54	20.88	22.00
		HIGH	64QAM	20.76	21.40	20.85	22.00
6	LOW	64QAM	19.93	20.11	20.39	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.97	22.78	23.00	24.00
		MID	QPSK	22.94	23.01	23.14	24.00
		HIGH	QPSK	22.96	23.01	22.78	24.00
	8	LOW	QPSK	21.75	21.85	21.98	23.00
		MID	QPSK	22.06	21.94	22.09	23.00
		HIGH	QPSK	21.87	22.06	21.94	23.00
15	LOW	QPSK	21.88	21.84	22.11	23.00	
3	1	LOW	Q16	21.84	22.18	21.96	23.00
		MID	Q16	22.00	22.46	22.18	23.00
		HIGH	Q16	21.77	22.17	21.97	23.00
	8	LOW	Q16	21.05	21.04	21.26	22.00
		MID	Q16	21.05	21.05	20.98	22.00
		HIGH	Q16	21.14	21.02	21.24	22.00
15	LOW	Q16	21.08	21.06	21.14	22.00	
3	1	LOW	64QAM	20.89	21.13	21.00	22.00
		MID	64QAM	21.17	21.40	20.95	22.00
		HIGH	64QAM	20.83	21.33	20.89	22.00
	8	LOW	64QAM	19.96	19.85	20.32	21.00
		MID	64QAM	20.28	19.92	20.00	21.00
		HIGH	64QAM	20.14	20.06	20.32	21.00
15	LOW	64QAM	19.96	20.14	19.87	21.00	

LTE B5-Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.74	22.77	23.02	24.00	
		MID	QPSK	23.21	23.01	23.12	24.00	
		HIGH	QPSK	23.05	22.83	22.73	24.00	
	12	LOW	QPSK	21.93	22.04	21.90	23.00	
		MID	QPSK	22.07	22.02	22.00	23.00	
		HIGH	QPSK	21.84	21.87	21.95	23.00	
	25	LOW	QPSK	22.06	22.03	21.93	23.00	
	5	1	LOW	Q16	21.75	22.27	22.07	23.00
			MID	Q16	22.13	22.56	21.97	23.00
HIGH			Q16	21.69	22.32	21.84	23.00	
12		LOW	Q16	21.01	21.09	21.22	22.00	
		MID	Q16	21.15	21.18	21.24	22.00	
		HIGH	Q16	20.98	20.99	21.27	22.00	
25		LOW	Q16	20.87	21.05	21.02	22.00	
5		1	LOW	64QAM	20.79	21.20	20.77	22.00
			MID	64QAM	21.17	21.41	21.10	22.00
	HIGH		64QAM	20.63	21.40	20.91	22.00	
	12	LOW	64QAM	19.73	20.13	20.02	21.00	
		MID	64QAM	19.86	19.90	20.20	21.00	
		HIGH	64QAM	20.02	20.21	20.35	21.00	
	25	LOW	64QAM	19.90	20.05	20.05	21.00	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	22.87	22.91	22.90	24.00
MID			QPSK	23.07	23.08	23.05	24.00	
HIGH			QPSK	22.90	22.90	22.88	24.00	
25		LOW	QPSK	21.88	21.94	21.96	23.00	
		MID	QPSK	21.94	22.01	21.96	23.00	
		HIGH	QPSK	21.99	21.94	21.93	23.00	
50		LOW	QPSK	21.93	21.97	21.98	23.00	
10		1	LOW	Q16	21.86	22.28	21.94	23.00
			MID	Q16	22.06	22.41	22.09	23.00
	HIGH		Q16	21.83	22.26	21.90	23.00	
	25	LOW	Q16	20.99	21.03	21.17	22.00	
		MID	Q16	21.05	21.07	21.11	22.00	
		HIGH	Q16	21.08	21.05	21.13	22.00	
	50	LOW	Q16	20.96	21.04	21.06	22.00	
	10	1	LOW	64QAM	20.91	21.23	20.80	22.00
			MID	64QAM	21.03	21.28	20.99	22.00
HIGH			64QAM	20.71	21.40	20.77	22.00	
25		LOW	64QAM	19.86	20.01	20.16	21.00	
		MID	64QAM	19.92	19.96	20.11	21.00	
		HIGH	64QAM	20.01	20.18	20.23	21.00	
50		LOW	64QAM	20.04	19.97	20.20	21.00	

8.3.4 LTE Band7 Output Power

LTE B7-Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	20.41	20.40	20.56	22.00	
		MID	QPSK	20.53	20.51	20.79	22.00	
		HIGH	QPSK	20.66	20.58	20.65	22.00	
	12	LOW	QPSK	19.61	19.67	19.68	21.00	
		MID	QPSK	19.55	19.70	19.80	21.00	
		HIGH	QPSK	19.49	19.77	19.75	21.00	
	25	LOW	QPSK	19.63	19.60	19.82	21.00	
	5	1	LOW	Q16	19.95	19.85	19.91	21.00
			MID	Q16	20.09	19.64	19.93	21.00
HIGH			Q16	19.85	19.53	19.97	21.00	
12		LOW	Q16	18.72	18.59	18.91	20.00	
		MID	Q16	18.83	18.73	18.94	20.00	
		HIGH	Q16	18.88	18.60	18.97	20.00	
25		LOW	Q16	18.68	18.70	18.79	20.00	
5		1	LOW	64QAM	18.95	18.76	18.91	20.00
			MID	64QAM	19.11	18.77	19.07	20.00
	HIGH		64QAM	19.10	18.68	18.93	20.00	
	12	LOW	64QAM	17.85	17.66	17.78	19.00	
		MID	64QAM	17.88	17.84	17.92	19.00	
		HIGH	64QAM	17.89	17.64	17.69	19.00	
	25	LOW	64QAM	17.51	17.62	17.71	19.00	
	Bandwidth (RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.49	20.42	20.72	22.00
MID			QPSK	20.50	20.58	20.91	22.00	
HIGH			QPSK	20.48	20.43	20.67	22.00	
25		LOW	QPSK	19.60	19.73	19.76	21.00	
		MID	QPSK	19.66	19.65	19.79	21.00	
		HIGH	QPSK	19.49	19.53	19.69	21.00	
50		LOW	QPSK	19.55	19.70	19.88	21.00	
10		1	LOW	Q16	20.00	19.90	19.84	21.00
			MID	Q16	20.03	19.79	19.99	21.00
	HIGH		Q16	19.80	19.58	19.95	21.00	
	25	LOW	Q16	18.66	18.69	18.70	20.00	
		MID	Q16	18.74	18.68	18.95	20.00	
		HIGH	Q16	18.70	18.74	18.74	20.00	
	50	LOW	Q16	18.65	18.63	18.83	20.00	
	10	1	LOW	64QAM	18.75	18.79	18.79	20.00
			MID	64QAM	19.04	18.57	19.09	20.00
HIGH			64QAM	18.90	18.67	19.04	20.00	
25		LOW	64QAM	17.70	17.73	17.90	19.00	
		MID	64QAM	17.60	17.75	17.96	19.00	
		HIGH	64QAM	17.71	17.61	17.63	19.00	
50		LOW	64QAM	17.56	17.59	17.85	19.00	

LTE B7-Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	20.38	20.70	20.53	22.00	
		MID	QPSK	20.49	20.54	20.81	22.00	
		HIGH	QPSK	20.47	20.65	20.65	22.00	
	36	LOW	QPSK	19.65	19.59	19.69	21.00	
		MID	QPSK	19.75	19.64	19.69	21.00	
		HIGH	QPSK	19.66	19.61	19.93	21.00	
	75	LOW	QPSK	19.40	19.55	19.92	21.00	
	15	1	LOW	Q16	20.10	19.89	19.69	21.00
			MID	Q16	20.11	19.89	20.10	21.00
HIGH			Q16	19.80	19.73	19.99	21.00	
36		LOW	Q16	18.84	18.53	18.94	20.00	
		MID	Q16	18.69	18.55	18.76	20.00	
		HIGH	Q16	18.80	18.82	18.95	20.00	
75		LOW	Q16	18.59	18.46	18.90	20.00	
15		1	LOW	64QAM	19.19	18.90	18.70	20.00
			MID	64QAM	19.17	18.73	18.99	20.00
	HIGH		64QAM	19.11	18.68	18.85	20.00	
	36	LOW	64QAM	17.67	17.66	18.11	19.00	
		MID	64QAM	17.69	17.81	18.00	19.00	
		HIGH	64QAM	17.78	17.70	17.98	19.00	
	75	LOW	64QAM	17.77	17.60	18.03	19.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.52	20.55	20.61	22.00
MID			QPSK	20.62	20.82	20.68	22.00	
HIGH			QPSK	20.52	20.53	20.67	22.00	
50		LOW	QPSK	19.54	19.59	19.63	21.00	
		MID	QPSK	19.61	19.85	19.84	21.00	
		HIGH	QPSK	19.61	19.62	19.84	21.00	
100		LOW	QPSK	19.55	19.85	19.59	21.00	
20		1	LOW	Q16	19.99	19.75	19.83	21.00
			MID	Q16	20.12	19.76	19.98	21.00
	HIGH		Q16	19.95	19.65	19.85	21.00	
	50	LOW	Q16	18.69	18.64	18.85	20.00	
		MID	Q16	18.75	18.70	18.91	20.00	
		HIGH	Q16	18.73	18.68	18.89	20.00	
	100	LOW	Q16	18.64	18.57	18.85	20.00	
	20	1	LOW	64QAM	19.09	18.82	18.81	20.00
			MID	64QAM	19.11	18.64	18.94	20.00
HIGH			64QAM	19.01	18.54	18.96	20.00	
50		LOW	64QAM	17.79	17.53	17.96	19.00	
		MID	64QAM	17.81	17.73	18.03	19.00	
		HIGH	64QAM	17.75	17.55	18.04	19.00	
100		LOW	64QAM	17.72	17.47	18.00	19.00	

8.3.5 LTE Band38 Output Power

LTE B38-Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.95	24.00	24.02	25.00	
		MID	QPSK	24.37	24.47	24.68	25.00	
		HIGH	QPSK	24.16	24.10	24.09	25.00	
	12	LOW	QPSK	23.26	23.35	23.17	24.00	
		MID	QPSK	23.38	23.43	23.23	24.00	
		HIGH	QPSK	23.28	23.34	23.20	24.00	
	25	LOW	QPSK	23.26	23.31	23.25	24.00	
	5	1	LOW	Q16	23.38	23.28	23.36	24.00
			MID	Q16	23.80	23.53	23.72	24.00
HIGH			Q16	23.27	23.04	23.33	24.00	
12		LOW	Q16	22.15	22.35	22.06	23.00	
		MID	Q16	22.27	22.21	22.40	23.00	
		HIGH	Q16	22.36	22.43	22.34	23.00	
25		LOW	Q16	22.37	22.26	22.21	23.00	
5		1	LOW	64QAM	22.18	22.08	22.52	23.00
			MID	64QAM	22.94	22.70	22.62	23.00
	HIGH		64QAM	22.29	22.03	22.17	23.00	
	12	LOW	64QAM	21.31	21.20	21.37	22.00	
		MID	64QAM	21.04	21.23	21.55	22.00	
		HIGH	64QAM	21.12	21.21	21.18	22.00	
	25	LOW	64QAM	21.28	21.26	21.17	22.00	
	Bandwidth (RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	24.11	24.11	24.20	25.00
MID			QPSK	24.47	24.53	24.58	25.00	
HIGH			QPSK	23.93	23.85	24.13	25.00	
25		LOW	QPSK	23.18	23.09	23.17	24.00	
		MID	QPSK	23.37	23.21	23.11	24.00	
		HIGH	QPSK	23.15	23.13	23.07	24.00	
50		LOW	QPSK	23.07	23.17	23.21	24.00	
10		1	LOW	Q16	23.19	23.07	23.32	24.00
			MID	Q16	23.82	23.78	24.00	24.00
	HIGH		Q16	23.26	23.29	23.32	24.00	
	25	LOW	Q16	22.28	22.20	22.21	23.00	
		MID	Q16	22.33	22.12	22.41	23.00	
		HIGH	Q16	22.40	22.41	22.06	23.00	
	50	LOW	Q16	22.17	22.16	22.08	23.00	
	10	1	LOW	64QAM	22.15	22.17	22.47	23.00
			MID	64QAM	22.81	22.70	22.76	23.00
HIGH			64QAM	22.23	22.16	22.09	23.00	
25		LOW	64QAM	21.12	21.30	21.24	22.00	
		MID	64QAM	21.29	21.20	21.31	22.00	
		HIGH	64QAM	21.32	21.37	21.29	22.00	
50		LOW	64QAM	20.99	21.37	21.18	22.00	

LTE B38-Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	24.07	24.13	24.00	25.00	
		MID	QPSK	24.36	24.55	24.44	25.00	
		HIGH	QPSK	24.02	24.00	24.14	25.00	
	36	LOW	QPSK	23.17	23.21	23.16	24.00	
		MID	QPSK	23.27	23.42	23.21	24.00	
		HIGH	QPSK	23.21	23.34	23.18	24.00	
	75	LOW	QPSK	23.12	23.32	23.15	24.00	
	15	1	LOW	Q16	23.10	23.07	23.45	24.00
			MID	Q16	23.88	23.73	23.99	24.00
HIGH			Q16	23.21	23.20	23.27	24.00	
36		LOW	Q16	22.15	22.20	22.33	23.00	
		MID	Q16	22.20	22.27	22.36	23.00	
		HIGH	Q16	22.36	22.39	22.25	23.00	
75		LOW	Q16	22.12	22.17	22.26	23.00	
15		1	LOW	64QAM	22.07	22.28	22.63	23.00
			MID	64QAM	22.79	22.74	22.94	23.00
	HIGH		64QAM	22.16	22.36	22.46	23.00	
	36	LOW	64QAM	20.93	20.98	21.26	22.00	
		MID	64QAM	21.24	21.10	21.34	22.00	
		HIGH	64QAM	21.12	21.15	21.38	22.00	
	75	LOW	64QAM	21.20	21.31	21.24	22.00	
	Bandwidth (RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	24.00	24.06	24.12	25.00
MID			QPSK	24.50	24.58	24.61	25.00	
HIGH			QPSK	24.03	23.96	24.01	25.00	
50		LOW	QPSK	23.17	23.21	23.14	24.00	
		MID	QPSK	23.27	23.28	23.31	24.00	
		HIGH	QPSK	23.27	23.22	23.21	24.00	
100		LOW	QPSK	23.22	23.20	23.26	24.00	
20		1	LOW	Q16	23.24	23.19	23.43	24.00
			MID	Q16	23.77	23.67	23.85	24.00
	HIGH		Q16	23.32	23.15	23.30	24.00	
	50	LOW	Q16	22.13	22.20	22.19	23.00	
		MID	Q16	22.26	22.25	22.28	23.00	
		HIGH	Q16	22.25	22.29	22.21	23.00	
	100	LOW	Q16	22.23	22.23	22.19	23.00	
	20	1	LOW	64QAM	22.11	22.30	22.54	23.00
			MID	64QAM	22.70	22.79	22.96	23.00
HIGH			64QAM	22.28	22.22	22.41	23.00	
50		LOW	64QAM	20.98	21.07	21.16	22.00	
		MID	64QAM	21.20	21.23	21.35	22.00	
		HIGH	64QAM	21.10	21.20	21.35	22.00	
100		LOW	64QAM	21.28	21.25	21.22	22.00	

8.3.6 LTE Band41 Output Power

LTE B41-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	40065	40640	41215	Tune-up power(dBm)	
5	1	LOW	QPSK	21.21	21.13	21.11	23.00	
		MID	QPSK	21.25	21.54	21.54	23.00	
		HIGH	QPSK	21.39	21.17	21.33	23.00	
	12	LOW	QPSK	20.27	20.41	20.14	22.00	
		MID	QPSK	20.20	20.33	20.22	22.00	
		HIGH	QPSK	20.07	20.43	20.20	22.00	
	25	LOW	QPSK	20.17	20.32	20.25	22.00	
	5	1	LOW	Q16	20.24	20.23	20.32	22.00
			MID	Q16	20.69	20.80	20.95	22.00
HIGH			Q16	20.22	20.35	20.26	22.00	
12		LOW	Q16	19.43	19.37	19.10	21.00	
		MID	Q16	19.07	19.52	19.43	21.00	
		HIGH	Q16	19.42	19.26	19.23	21.00	
25		LOW	Q16	19.10	19.39	19.34	21.00	
5		1	LOW	64QAM	19.18	19.30	19.20	21.00
			MID	64QAM	19.62	19.76	19.63	21.00
	HIGH		64QAM	19.16	19.28	19.32	21.00	
	12	LOW	64QAM	18.33	18.18	18.18	20.00	
		MID	64QAM	18.41	18.53	18.58	20.00	
		HIGH	64QAM	18.09	18.15	18.11	20.00	
	25	LOW	64QAM	18.43	18.07	18.30	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	40090	40640	41190	Tune-up power(dBm)
	10	1	LOW	QPSK	21.35	21.15	21.00	23.00
MID			QPSK	21.40	21.72	21.64	23.00	
HIGH			QPSK	21.15	21.04	21.35	23.00	
25		LOW	QPSK	20.22	20.32	20.33	22.00	
		MID	QPSK	20.21	20.38	20.23	22.00	
		HIGH	QPSK	20.07	20.44	20.28	22.00	
50	LOW	QPSK	20.36	20.23	20.17	22.00		
10	1	LOW	Q16	20.09	20.16	20.26	22.00	
		MID	Q16	20.75	20.97	20.87	22.00	
		HIGH	Q16	20.17	20.30	20.44	22.00	
	25	LOW	Q16	19.25	19.32	19.34	21.00	
		MID	Q16	19.42	19.37	19.38	21.00	
		HIGH	Q16	19.19	19.35	19.39	21.00	
50	LOW	Q16	19.02	19.22	19.16	21.00		
10	1	LOW	64QAM	19.25	19.37	19.34	21.00	
		MID	64QAM	19.75	19.95	19.69	21.00	
		HIGH	64QAM	19.19	19.35	19.34	21.00	
	25	LOW	64QAM	18.33	18.26	18.40	20.00	
		MID	64QAM	18.17	18.38	18.45	20.00	
		HIGH	64QAM	18.04	18.42	18.43	20.00	
	50	LOW	64QAM	18.42	18.20	18.30	20.00	

LTE B41-Ant.1								
Bandwidth (	RB Size	RB offset	Modulation	40115	40640	41165	Tune-up power(dBm)
15	1	LOW	QPSK	21.22	21.33	21.39	23.00	
		MID	QPSK	21.22	21.64	21.39	23.00	
		HIGH	QPSK	21.38	21.00	21.33	23.00	
	36	LOW	QPSK	20.31	20.20	20.17	22.00	
		MID	QPSK	20.40	20.53	20.41	22.00	
		HIGH	QPSK	20.41	20.27	20.20	22.00	
	75	LOW	QPSK	20.18	20.29	20.35	22.00	
	15	1	LOW	Q16	20.15	20.18	20.41	22.00
			MID	Q16	20.62	20.86	20.73	22.00
HIGH			Q16	20.10	20.40	20.23	22.00	
36		LOW	Q16	19.34	19.28	19.28	21.00	
		MID	Q16	19.15	19.51	19.22	21.00	
		HIGH	Q16	19.09	19.51	19.12	21.00	
75		LOW	Q16	19.06	19.23	19.16	21.00	
15		1	LOW	64QAM	19.43	19.27	19.28	21.00
			MID	64QAM	19.70	20.06	19.96	21.00
	HIGH		64QAM	19.33	19.49	19.32	21.00	
	36	LOW	64QAM	18.36	18.35	18.05	20.00	
		MID	64QAM	18.33	18.54	18.21	20.00	
		HIGH	64QAM	18.16	18.53	18.14	20.00	
	75	LOW	64QAM	18.29	18.34	18.01	20.00	
	Bandwidth (RB Size	RB offset	Modulation	40140	40640	41140	Tune-up power(dBm)
	20	1	LOW	QPSK	21.27	21.02	21.44	23.00
MID			QPSK	21.31	21.54	21.60	23.00	
HIGH			QPSK	21.29	21.04	21.00	23.00	
50		LOW	QPSK	20.36	20.29	20.25	22.00	
		MID	QPSK	20.08	20.39	20.43	22.00	
		HIGH	QPSK	20.10	20.39	20.30	22.00	
100		LOW	QPSK	20.03	20.27	20.35	22.00	
20		1	LOW	Q16	20.10	20.30	20.33	22.00
			MID	Q16	20.61	20.84	20.84	22.00
	HIGH		Q16	20.14	20.30	20.33	22.00	
	50	LOW	Q16	19.30	19.32	19.23	21.00	
		MID	Q16	19.08	19.43	19.32	21.00	
		HIGH	Q16	19.08	19.36	19.27	21.00	
	100	LOW	Q16	19.02	19.35	19.27	21.00	
	20	1	LOW	64QAM	19.03	19.39	19.25	21.00
			MID	64QAM	19.56	19.95	19.91	21.00
HIGH			64QAM	19.21	19.35	19.35	21.00	
50		LOW	64QAM	18.40	18.38	18.14	20.00	
		MID	64QAM	18.39	18.41	18.33	20.00	
		HIGH	64QAM	18.14	18.43	18.16	20.00	
100		LOW	64QAM	18.38	18.40	18.13	20.00	