

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 Band7 Output Power
8.3.5	LTE Band38 Output Power
8.3.6	LTE Band41 Output Power
8.4	Intra-Band Uplink CA Power
8.4.1	LTE Band2 Uplink CA Output Power
8.4.2	LTE Band5 Uplink CA Output Power
8.4.3	LTE Band7 Uplink CA Output Power
8.4.3	LTE Band38 Uplink CA Output Power
8.4.3	LTE Band41 Uplink CA Output Power

8.1 GSM Output Power

GSM-Full Power-Ant.2								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	29.27	29.36	28.91	30.50	20.08	20.17	19.72	21.31
GPRS (GMSK, 1-Slot)	29.20	29.28	28.83	30.50	20.01	20.09	19.64	21.31
GPRS (GMSK, 2-Slots)	29.05	29.12	28.69	29.70	22.92	22.99	22.56	23.57
GPRS (GMSK, 3-Slots)	28.55	28.48	28.49	28.80	24.13	24.06	24.07	24.38
GPRS (GMSK, 4-Slots)	26.90	26.92	26.46	27.60	23.72	23.74	23.28	24.42
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	24.21	24.40	24.69	25.20	15.02	15.21	15.50	16.01
GPRS (GMSK, 1-Slot)	24.20	24.42	24.72	25.20	15.01	15.23	15.53	16.01
GPRS (GMSK, 2-Slots)	23.97	24.02	24.09	24.20	17.84	17.89	17.96	18.07
GPRS (GMSK, 3-Slots)	22.13	22.05	22.12	22.20	17.71	17.63	17.70	17.78
GPRS (GMSK, 4-Slots)	18.95	19.11	19.45	20.20	15.77	15.93	16.27	17.02

8.1 GSM Output Power

GSM-Full Power-Ant.0								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	28.67	28.76	28.55	30.50	19.48	19.57	19.36	21.31
GPRS (GMSK, 1-Slot)	28.61	28.71	28.57	30.50	19.42	19.52	19.38	21.31
GPRS (GMSK, 2-Slots)	28.47	28.54	28.13	29.70	22.34	22.41	22.00	23.57
GPRS (GMSK, 3-Slots)	28.23	28.31	27.94	28.80	23.81	23.89	23.52	24.38
GPRS (GMSK, 4-Slots)	26.28	26.34	25.91	27.60	23.10	23.16	22.73	24.42
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	24.17	24.17	24.20	25.20	14.98	14.98	15.01	16.01
GPRS (GMSK, 1-Slot)	24.17	24.15	24.19	25.20	14.98	14.96	15.00	16.01
GPRS (GMSK, 2-Slots)	23.74	23.76	23.75	24.20	17.61	17.63	17.62	18.07
GPRS (GMSK, 3-Slots)	22.08	22.09	22.05	22.20	17.66	17.67	17.63	17.78
GPRS (GMSK, 4-Slots)	20.04	20.02	19.97	20.20	16.86	16.84	16.79	17.02

8.2 WCDMA Output Power

WCDMA-Full Power-Ant.2				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	15.38	15.64	15.81	16.50
RMC 12.2Kbps	15.52	15.69	15.86	16.50
HSDPA Subtest-1	14.87	14.73	14.72	15.50
HSDPA Subtest-2	14.68	14.70	14.70	15.50
HSDPA Subtest-3	14.03	14.20	14.30	15.00
HSDPA Subtest-4	14.40	14.20	14.15	15.00
HSUPA Subtest-1	12.49	12.45	12.37	13.50
HSUPA Subtest-2	12.84	12.72	12.67	14.00
HSUPA Subtest-3	13.73	13.75	13.82	14.00
HSUPA Subtest-4	12.04	12.23	12.43	13.50
HSUPA Subtest-5	13.54	13.70	13.58	14.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	15.02	14.97	14.88	16.00
RMC 12.2Kbps	15.05	15.07	15.02	16.00
HSDPA Subtest-1	13.87	14.03	14.17	15.00
HSDPA Subtest-2	13.98	14.07	14.01	15.00
HSDPA Subtest-3	13.71	13.57	13.62	14.50
HSDPA Subtest-4	13.54	13.58	13.72	14.50
HSUPA Subtest-1	11.86	11.89	12.04	13.00
HSUPA Subtest-2	11.95	12.10	12.09	13.00
HSUPA Subtest-3	13.19	13.04	13.16	14.00
HSUPA Subtest-4	11.79	11.60	11.74	12.50
HSUPA Subtest-5	13.02	13.03	12.94	14.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	20.40	20.55	20.50	21.50
RMC 12.2Kbps	20.50	20.60	20.60	21.50
HSDPA Subtest-1	19.68	19.59	19.58	20.50
HSDPA Subtest-2	19.60	19.61	19.51	20.50
HSDPA Subtest-3	18.96	19.10	19.17	20.00
HSDPA Subtest-4	19.22	19.08	18.97	20.00
HSUPA Subtest-1	17.29	17.32	17.30	18.50
HSUPA Subtest-2	17.77	17.60	17.64	18.50
HSUPA Subtest-3	18.42	18.61	18.57	19.50
HSUPA Subtest-4	17.04	17.13	17.05	18.00
HSUPA Subtest-5	18.67	18.56	18.61	19.50

8.2 WCDMA Output Power

WCDMA-Full Power-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	15.15	15.18	15.32	16.50
RMC 12.2Kbps	15.19	15.29	15.32	16.50
HSDPA Subtest-1	14.32	14.31	14.12	15.50
HSDPA Subtest-2	14.28	14.31	14.42	15.50
HSDPA Subtest-3	13.85	13.78	13.62	15.00
HSDPA Subtest-4	13.65	13.77	13.63	15.00
HSUPA Subtest-1	11.87	12.04	12.00	13.50
HSUPA Subtest-2	12.22	12.30	12.35	14.00
HSUPA Subtest-3	13.21	13.31	13.24	14.00
HSUPA Subtest-4	11.91	11.82	11.86	13.50
HSUPA Subtest-5	13.23	13.28	13.30	14.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	14.47	14.49	14.58	16.00
RMC 12.2Kbps	14.62	14.62	14.66	16.00
HSDPA Subtest-1	13.55	13.63	13.64	15.00
HSDPA Subtest-2	13.64	13.60	13.80	15.00
HSDPA Subtest-3	13.07	13.12	13.32	14.50
HSDPA Subtest-4	13.08	13.14	13.02	14.50
HSUPA Subtest-1	11.53	11.44	11.28	13.00
HSUPA Subtest-2	11.55	11.71	11.72	13.00
HSUPA Subtest-3	12.75	12.61	12.44	14.00
HSUPA Subtest-4	11.06	11.23	11.09	12.50
HSUPA Subtest-5	12.41	12.60	12.43	14.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	20.04	20.14	20.13	21.50
RMC 12.2Kbps	20.16	20.25	20.24	21.50
HSDPA Subtest-1	19.47	19.59	19.73	20.50
HSDPA Subtest-2	19.48	19.61	19.75	20.50
HSDPA Subtest-3	19.27	19.10	19.02	20.00
HSDPA Subtest-4	19.26	19.08	18.98	20.00
HSUPA Subtest-1	16.80	17.00	16.99	18.50
HSUPA Subtest-2	17.17	17.22	17.27	18.50
HSUPA Subtest-3	18.18	18.25	18.15	19.50
HSUPA Subtest-4	16.92	16.77	16.82	18.00
HSUPA Subtest-5	18.13	18.23	18.29	19.50

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	14.83	14.73	14.88	16.00
		MID	QPSK	14.88	15.02	15.03	16.00
		HIGH	QPSK	14.82	14.88	15.01	16.00
	3	LOW	QPSK	14.65	14.86	14.92	16.00
		MID	QPSK	15.06	15.16	14.96	16.00
		HIGH	QPSK	14.71	14.84	14.96	16.00
	6	LOW	QPSK	13.96	13.88	13.89	15.00
		LOW	Q16	14.25	14.41	14.17	15.00
		MID	Q16	14.55	14.45	14.62	15.00
1.4	1	MID	Q16	14.29	14.52	14.37	15.00
		LOW	Q16	14.11	14.18	14.22	15.00
		HIGH	Q16	14.58	14.46	14.59	15.00
	3	MID	Q16	14.28	14.46	14.26	15.00
		LOW	Q16	12.99	12.87	12.90	14.00
		LOW	64QAM	13.19	13.39	13.21	14.00
	6	MID	64QAM	13.55	13.42	13.58	14.00
		HIGH	64QAM	13.30	13.56	13.38	14.00
		LOW	64QAM	13.14	13.17	13.25	14.00
1.4	1	MID	64QAM	13.63	13.45	13.57	14.00
		HIGH	64QAM	13.22	13.40	13.19	14.00
		LOW	64QAM	11.91	11.81	11.83	13.00
	3	LOW	64QAM	11.91	11.81	11.83	13.00
		MID	64QAM	11.91	11.81	11.83	13.00
		HIGH	64QAM	11.91	11.81	11.83	13.00
	6	LOW	64QAM	11.91	11.81	11.83	13.00
		MID	64QAM	11.91	11.81	11.83	13.00
		HIGH	64QAM	11.91	11.81	11.83	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	14.69	14.83	14.81	16.00
		MID	QPSK	14.91	15.16	14.90	16.00
		HIGH	QPSK	14.88	14.90	14.98	16.00
	8	LOW	QPSK	13.91	13.76	13.77	15.00
		MID	QPSK	13.94	14.00	14.16	15.00
		HIGH	QPSK	13.79	14.10	14.05	15.00
	15	LOW	QPSK	13.74	14.02	13.93	15.00
		LOW	Q16	14.12	14.27	14.16	15.00
		MID	Q16	14.43	14.53	14.45	15.00
3	1	HIGH	Q16	14.27	14.37	14.37	15.00
		LOW	Q16	12.83	12.93	12.86	14.00
		MID	Q16	12.97	13.04	12.85	14.00
	8	HIGH	Q16	12.74	13.12	12.98	14.00
		LOW	Q16	12.72	12.81	12.85	14.00
		LOW	64QAM	13.03	13.28	13.19	14.00
	15	MID	64QAM	13.39	13.57	13.48	14.00
		HIGH	64QAM	13.21	13.39	13.36	14.00
		LOW	64QAM	11.80	11.97	11.80	13.00
3	1	MID	64QAM	11.99	11.99	11.86	13.00
		HIGH	64QAM	11.68	12.06	12.02	13.00
		LOW	64QAM	11.64	11.80	11.87	13.00
	8	LOW	64QAM	11.64	11.80	11.87	13.00
		MID	64QAM	11.64	11.80	11.87	13.00
		HIGH	64QAM	11.64	11.80	11.87	13.00
	15	LOW	64QAM	11.64	11.80	11.87	13.00
		MID	64QAM	11.64	11.80	11.87	13.00
		HIGH	64QAM	11.64	11.80	11.87	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	14.66	14.70	14.65	16.00
		MID	QPSK	14.90	15.15	14.96	16.00
		HIGH	QPSK	14.70	15.13	14.84	16.00
	12	LOW	QPSK	13.75	13.75	13.88	15.00
		MID	QPSK	14.01	14.00	14.14	15.00
		HIGH	QPSK	13.78	13.87	13.89	15.00
	25	LOW	QPSK	13.86	13.80	13.76	15.00
		LOW	Q16	14.33	14.19	14.12	15.00
		MID	Q16	14.33	14.48	14.56	15.00
5	1	HIGH	Q16	14.41	14.30	14.27	15.00
		LOW	Q16	12.92	12.90	12.95	14.00
		MID	Q16	12.90	13.20	12.96	14.00
	12	HIGH	Q16	13.04	13.04	12.95	14.00
		LOW	Q16	12.87	12.92	12.78	14.00
		LOW	64QAM	13.25	13.10	13.13	14.00
	25	MID	64QAM	13.31	13.52	13.50	14.00
		HIGH	64QAM	13.37	13.33	13.28	14.00
		LOW	64QAM	11.97	11.93	11.89	13.00
5	1	MID	64QAM	11.83	12.18	11.98	13.00
		HIGH	64QAM	11.97	12.09	11.91	13.00
		LOW	64QAM	11.84	11.89	11.78	13.00
	12	LOW	64QAM	11.84	11.89	11.78	13.00
		MID	64QAM	11.84	11.89	11.78	13.00
		HIGH	64QAM	11.84	11.89	11.78	13.00
	25	LOW	64QAM	11.84	11.89	11.78	13.00
		MID	64QAM	11.84	11.89	11.78	13.00
		HIGH	64QAM	11.84	11.89	11.78	13.00

LTE B2-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	14.64	14.70	14.73	16.00
		MID	QPSK	15.09	15.09	15.10	16.00
		HIGH	QPSK	14.75	15.09	15.05	16.00
	25	LOW	QPSK	13.68	13.77	13.84	15.00
		MID	QPSK	14.01	14.04	14.01	15.00
		HIGH	QPSK	13.99	13.99	14.01	15.00
	50	LOW	QPSK	13.77	13.92	14.00	15.00
		LOW	Q16	14.12	14.40	14.32	15.00
		MID	Q16	14.51	14.61	14.55	15.00
10	1	MID	Q16	14.28	14.55	14.43	15.00
		LOW	Q16	12.77	12.96	12.99	14.00
		HIGH	Q16	12.98	13.06	12.97	14.00
	25	HIGH	Q16	12.99	13.12	12.88	14.00
		LOW	Q16	12.95	13.03	12.86	14.00
		LOW	64QAM	13.09	13.45	13.27	14.00
	50	MID	64QAM	13.43	13.62	13.57	14.00
		HIGH	64QAM	13.23	13.53	13.37	14.00
		LOW	64QAM	11.74	12.01	12.01	13.00
10	1	MID	64QAM	11.92	12.01	11.91	13.00
		HIGH	64QAM	11.99	12.10	11.89	13.00
		LOW	64QAM	11.93	12.08	11.80	13.00
	25	LOW	64QAM	11.93	12.08	11.80	13.00
		MID	64QAM	11.93	12.08	11.80	13.00
		HIGH	64QAM	11.93	12.08	11.80	13.00
	50	LOW	64QAM	11.93	12.08	11.80	13.00
		MID	64QAM	11.93	12.08	11.80	13.00
		HIGH	64QAM	11.93	12.08	11.80	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	14.85	14.93	14.85	16.00
		MID	QPSK	15.08	14.98	15.01	16.00
		HIGH	QPSK	14.82	14.91	14.82	16.00
	36	LOW	QPSK	13.77	13.88	13.83	15.00
		MID	QPSK	13.97	14.03	14.01	15.00
		HIGH	QPSK	14.05	13.94	13.88	15.00
	75	LOW	QPSK	13.76	14.06	13.76	15.00
		LOW	Q16	14.16	14.43	14.34	15.00
		MID	Q16	14.42	14.36	14.56	15.00
15	1	HIGH	Q16	14.16	14.52	14.30	15.00
		LOW	Q16	12.96	12.99	12.77	14.00
		MID	Q16	12.82	13.09	12.94	14.00
	36	HIGH	Q16	12.91	12.88	12.77	14.00
		LOW	Q16	12.90	12.88	12.78	14.00
		LOW	64QAM	13.16	13.34	13.28	14.00
	75	MID	64QAM	13.33	13.31	13.57	14.00
		HIGH	64QAM	13.18	13.53	13.33	14.00
		LOW	64QAM	11.88	11.95	11.74	13.00
15	1	MID	64QAM	11.86	12.08	11.92	13.00
		HIGH	64QAM	11.90	11.84	11.71	13.00
		LOW	64QAM	11.91	11.79	11.78	13.00
	36	LOW	64QAM	11.91	11.79	11.78	13.00
		MID	64QAM	11.91	11.79	11.78	13.00
		HIGH	64QAM	11.91	11.79	11.78	13.00
	75	LOW	64QAM	11.91	11.79	11.78	13.00
		MID	64QAM	11.91	11.79	11.78	13.00
		HIGH	64QAM	11.91	11.79	11.78	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	14.73	14.81	14.79	16.00
		MID	QPSK	14.98	15.06	15.04	16.00
		HIGH	QPSK	14.83	14.99	14.91	16.00
	50	LOW	QPSK	13.82	13.90	13.91	15.00
		MID	QPSK	13.89	14.00	14.05	15.00
		HIGH	QPSK	13.91	13.99	13.95	15.00
	100	LOW	QPSK	13.85	13.95	13.91	15.00
		LOW	Q16	14.19	14.29	14.25	15.00
		MID	Q16	14.47	14.51	14.48	15.00
20	1	HIGH	Q16	14.30	14.44	14.36	15.00
		LOW	Q16	12.83	12.91	12.88	14.00
		MID	Q16	12.92	13.06	12.96	14.00
	50	HIGH	Q16	12.89	12.97	12.91	14.00
		LOW	Q16	12.87	12.89	12.90	14.00
		LOW	64QAM	13.15	13.26	13.25	14.00
	100	MID	64QAM	13.38	13.52	13.39	14.00
		HIGH	64QAM	13.34	13.46	13.38	14.00
		LOW	64QAM	11.74	11.88	11.86	13.00
20	1	MID	64QAM	11.89	12.00	11.94	13.00
		HIGH	64QAM	11.91	11.88	11.92	13.00
		LOW	64QAM	11.84	11.82	11.91	13.00
	50	LOW	64QAM	11.84	11.82	11.91	13.00
		MID	64QAM	11.84	11.82	11.91	13.00
		HIGH	64QAM	11.84	11.82	11.91	13.00
	100	LOW	64QAM	11.84	11.82	11.91	13.00
		MID	64QAM	11.84	11.82	11.91	13.00
		HIGH	64QAM	11.84	11.82	11.91	13.00

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	14.31	14.39	14.30	16.00
		MID	QPSK	14.73	14.77	14.48	16.00
		HIGH	QPSK	14.49	14.49	14.47	16.00
	3	LOW	QPSK	14.49	14.52	14.25	16.00
		MID	QPSK	14.58	14.53	14.42	16.00
		HIGH	QPSK	14.59	14.66	14.41	16.00
	6	LOW	QPSK	13.40	13.57	13.46	15.00
		LOW	Q16	13.95	13.79	13.89	15.00
		MID	Q16	14.26	14.08	13.95	15.00
1.4	1	MID	Q16	13.93	13.99	13.86	15.00
		HIGH	Q16	13.84	14.00	13.79	15.00
	3	LOW	Q16	14.07	14.07	13.95	15.00
		MID	Q16	13.76	14.11	13.67	15.00
		HIGH	Q16	12.39	12.35	12.43	14.00
	6	LOW	Q16	12.90	12.83	12.93	14.00
		MID	Q16	13.20	13.00	12.89	14.00
		HIGH	Q16	12.95	13.02	12.83	14.00
1.4	1	LOW	64QAM	12.86	12.96	12.72	14.00
		MID	64QAM	13.10	13.03	12.89	14.00
		HIGH	64QAM	12.67	13.10	12.62	14.00
	3	LOW	64QAM	11.35	11.33	11.36	13.00
		LOW	64QAM	11.35	11.33	11.36	13.00
		MID	64QAM	11.35	11.33	11.36	13.00
		HIGH	64QAM	11.35	11.33	11.36	13.00
	6	LOW	64QAM	11.35	11.33	11.36	13.00
		MID	64QAM	11.35	11.33	11.36	13.00
		HIGH	64QAM	11.35	11.33	11.36	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	14.41	14.39	14.32	16.00
		MID	QPSK	14.72	14.64	14.64	16.00
		HIGH	QPSK	14.40	14.63	14.42	16.00
	8	LOW	QPSK	13.58	13.41	13.55	15.00
		MID	QPSK	13.48	13.54	13.66	15.00
		HIGH	QPSK	13.45	13.69	13.33	15.00
	15	LOW	QPSK	13.53	13.62	13.29	15.00
		LOW	Q16	14.00	14.02	13.73	15.00
		MID	Q16	14.08	14.13	13.88	15.00
3	1	HIGH	Q16	13.94	13.85	13.79	15.00
		LOW	Q16	12.30	12.66	12.44	14.00
	8	MID	Q16	12.56	12.52	12.60	14.00
		HIGH	Q16	12.56	12.53	12.45	14.00
		LOW	Q16	12.50	12.43	12.47	14.00
	15	LOW	64QAM	12.94	13.03	12.71	14.00
		MID	64QAM	13.09	13.13	12.81	14.00
		HIGH	64QAM	12.88	12.77	12.75	14.00
3	1	LOW	64QAM	11.27	11.59	11.48	13.00
		MID	64QAM	11.59	11.51	11.59	13.00
		HIGH	64QAM	11.59	11.56	11.50	13.00
	8	LOW	64QAM	11.59	11.56	11.50	13.00
		MID	64QAM	11.59	11.56	11.50	13.00
		HIGH	64QAM	11.59	11.56	11.50	13.00
	15	LOW	64QAM	11.42	11.42	11.51	13.00
		MID	64QAM	11.42	11.42	11.51	13.00
		HIGH	64QAM	11.42	11.42	11.51	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	14.50	14.35	14.30	16.00
		MID	QPSK	14.53	14.56	14.43	16.00
		HIGH	QPSK	14.47	14.40	14.37	16.00
	12	LOW	QPSK	13.45	13.57	13.56	15.00
		MID	QPSK	13.48	13.52	13.65	15.00
		HIGH	QPSK	13.36	13.53	13.31	15.00
	25	LOW	QPSK	13.48	13.62	13.46	15.00
		LOW	Q16	13.72	13.75	13.70	15.00
		MID	Q16	14.08	13.96	13.96	15.00
5	1	HIGH	Q16	13.96	14.10	13.81	15.00
		LOW	Q16	12.31	12.44	12.39	14.00
	12	MID	Q16	12.64	12.63	12.62	14.00
		HIGH	Q16	12.61	12.52	12.21	14.00
		LOW	Q16	12.56	12.61	12.51	14.00
	25	LOW	64QAM	12.73	12.74	12.67	14.00
		MID	64QAM	13.06	12.87	12.95	14.00
		HIGH	64QAM	12.96	13.05	12.75	14.00
5	1	LOW	64QAM	11.35	11.42	11.37	13.00
		MID	64QAM	11.65	11.63	11.57	13.00
		HIGH	64QAM	11.54	11.50	11.13	13.00
	12	LOW	64QAM	11.54	11.50	11.13	13.00
		MID	64QAM	11.54	11.50	11.13	13.00
		HIGH	64QAM	11.54	11.50	11.13	13.00
	25	LOW	64QAM	11.60	11.61	11.43	13.00
		MID	64QAM	11.60	11.61	11.43	13.00
		HIGH	64QAM	11.60	11.61	11.43	13.00

LTE B2-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	14.49	14.44	14.46	16.00
		MID	QPSK	14.61	14.77	14.55	16.00
		HIGH	QPSK	14.38	14.54	14.24	16.00
	25	LOW	QPSK	13.52	13.58	13.32	15.00
		MID	QPSK	13.45	13.67	13.62	15.00
		HIGH	QPSK	13.39	13.59	13.35	15.00
	50	LOW	QPSK	13.49	13.44	13.53	15.00
		LOW	Q16	13.88	13.78	13.87	15.00
		MID	Q16	14.20	14.19	13.85	15.00
10	1	MID	Q16	13.98	14.04	13.86	15.00
		LOW	Q16	12.39	12.67	12.38	14.00
		HIGH	Q16	12.45	12.66	12.61	14.00
	25	HIGH	Q16	12.61	12.70	12.44	14.00
		LOW	Q16	12.49	12.48	12.36	14.00
		LOW	64QAM	12.79	12.77	12.88	14.00
	50	MID	64QAM	13.19	13.11	12.80	14.00
		HIGH	64QAM	13.00	13.02	12.79	14.00
		LOW	64QAM	11.31	11.64	11.42	13.00
10	1	MID	64QAM	11.40	11.66	11.56	13.00
		HIGH	64QAM	11.54	11.69	11.49	13.00
		LOW	64QAM	11.50	11.43	11.39	13.00
	25	LOW	64QAM	11.50	11.43	11.39	13.00
		LOW	64QAM	11.50	11.43	11.39	13.00
		LOW	64QAM	11.50	11.43	11.39	13.00
	50	LOW	64QAM	11.50	11.43	11.39	13.00
		LOW	64QAM	11.50	11.43	11.39	13.00
		LOW	64QAM	11.50	11.43	11.39	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	14.39	14.53	14.27	16.00
		MID	QPSK	14.77	14.79	14.41	16.00
		HIGH	QPSK	14.56	14.64	14.45	16.00
	36	LOW	QPSK	13.46	13.64	13.43	15.00
		MID	QPSK	13.48	13.54	13.57	15.00
		HIGH	QPSK	13.36	13.45	13.31	15.00
	75	LOW	QPSK	13.43	13.34	13.28	15.00
		LOW	Q16	13.71	13.77	13.80	15.00
		MID	Q16	14.20	13.96	14.11	15.00
15	1	HIGH	Q16	13.94	14.05	13.73	15.00
		LOW	Q16	12.48	12.59	12.22	14.00
		MID	Q16	12.63	12.56	12.53	14.00
	36	HIGH	Q16	12.54	12.70	12.46	14.00
		LOW	Q16	12.49	12.39	12.49	14.00
		LOW	64QAM	12.68	12.72	12.79	14.00
	75	MID	64QAM	13.19	12.89	13.10	14.00
		HIGH	64QAM	12.87	13.08	12.72	14.00
		LOW	64QAM	11.41	11.51	11.14	13.00
15	1	MID	64QAM	11.62	11.53	11.48	13.00
		HIGH	64QAM	11.58	11.75	11.37	13.00
		LOW	64QAM	11.43	11.30	11.40	13.00
	36	LOW	64QAM	11.43	11.30	11.40	13.00
		LOW	64QAM	11.43	11.30	11.40	13.00
		LOW	64QAM	11.43	11.30	11.40	13.00
	75	LOW	64QAM	11.43	11.30	11.40	13.00
		LOW	64QAM	11.43	11.30	11.40	13.00
		LOW	64QAM	11.43	11.30	11.40	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	14.39	14.43	14.34	16.00
		MID	QPSK	14.64	14.66	14.56	16.00
		HIGH	QPSK	14.49	14.53	14.39	16.00
	50	LOW	QPSK	13.43	13.52	13.44	15.00
		MID	QPSK	13.55	13.60	13.54	15.00
		HIGH	QPSK	13.51	13.59	13.40	15.00
	100	LOW	QPSK	13.49	13.49	13.41	15.00
		LOW	Q16	13.85	13.88	13.75	15.00
		MID	Q16	14.12	14.10	13.98	15.00
20	1	HIGH	Q16	13.90	13.98	13.80	15.00
		LOW	Q16	12.45	12.55	12.37	14.00
		MID	Q16	12.55	12.56	12.48	14.00
	50	HIGH	Q16	12.55	12.55	12.36	14.00
		LOW	Q16	12.50	12.50	12.39	14.00
		LOW	64QAM	12.77	12.84	12.72	14.00
	100	MID	64QAM	13.12	13.07	13.02	14.00
		HIGH	64QAM	12.93	13.01	12.77	14.00
		LOW	64QAM	11.36	11.51	11.30	13.00
20	1	MID	64QAM	11.58	11.58	11.45	13.00
		HIGH	64QAM	11.55	11.53	11.30	13.00
		LOW	64QAM	11.48	11.41	11.34	13.00
	50	LOW	64QAM	11.48	11.41	11.34	13.00
		LOW	64QAM	11.48	11.41	11.34	13.00
		LOW	64QAM	11.48	11.41	11.34	13.00
	100	LOW	64QAM	11.48	11.41	11.34	13.00
		LOW	64QAM	11.48	11.41	11.34	13.00
		LOW	64QAM	11.48	11.41	11.34	13.00

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	14.78	14.87	14.84	16.00
		MID	QPSK	15.16	14.92	15.02	16.00
		HIGH	QPSK	15.00	14.89	15.03	16.00
	3	LOW	QPSK	14.72	15.00	14.82	16.00
		MID	QPSK	15.16	14.95	15.03	16.00
		HIGH	QPSK	14.78	14.85	14.82	16.00
	6	LOW	QPSK	13.82	14.04	13.92	15.00
		LOW	Q16	14.28	14.30	14.30	15.00
		MID	Q16	14.55	14.48	14.40	15.00
1.4	1	MID	Q16	14.27	14.32	14.30	15.00
		HIGH	Q16	14.11	14.46	14.34	15.00
	3	LOW	Q16	14.59	14.64	14.45	15.00
		MID	Q16	14.24	14.47	14.22	15.00
		HIGH	Q16	13.02	13.00	12.69	14.00
	6	LOW	Q16	13.23	13.32	13.30	14.00
		MID	64QAM	13.57	13.47	13.44	14.00
		HIGH	64QAM	13.20	13.25	13.25	14.00
1.4	1	LOW	64QAM	13.08	13.42	13.32	14.00
		MID	64QAM	13.60	13.69	13.42	14.00
		HIGH	64QAM	13.21	13.38	13.13	14.00
	3	LOW	64QAM	11.94	12.00	11.72	13.00
		LOW	64QAM	11.94	12.00	11.72	13.00
		MID	64QAM	11.94	12.00	11.72	13.00
		HIGH	64QAM	11.94	12.00	11.72	13.00
	6	LOW	64QAM	11.94	12.00	11.72	13.00
		MID	64QAM	11.94	12.00	11.72	13.00
		HIGH	64QAM	11.94	12.00	11.72	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	14.78	14.89	14.74	16.00
		MID	QPSK	15.06	15.13	15.10	16.00
		HIGH	QPSK	14.89	15.00	14.78	16.00
	8	LOW	QPSK	14.07	13.92	13.69	15.00
		MID	QPSK	14.19	14.04	13.81	15.00
		HIGH	QPSK	14.12	14.06	13.92	15.00
	15	LOW	QPSK	14.05	13.79	13.93	15.00
		LOW	Q16	14.09	14.18	14.27	15.00
		MID	Q16	14.35	14.59	14.50	15.00
3	1	HIGH	Q16	14.25	14.22	14.31	15.00
		LOW	Q16	12.76	12.91	12.96	14.00
		MID	Q16	13.06	13.08	12.95	14.00
	8	HIGH	Q16	13.09	13.09	12.98	14.00
		LOW	Q16	12.88	12.85	12.69	14.00
		MID	64QAM	13.08	13.12	13.26	14.00
	15	LOW	64QAM	13.32	13.64	13.47	14.00
		MID	64QAM	13.19	13.27	13.22	14.00
		HIGH	64QAM	11.77	11.95	11.98	13.00
3	1	LOW	64QAM	12.06	12.04	11.89	13.00
		MID	64QAM	12.08	12.03	12.03	13.00
		HIGH	64QAM	11.90	11.76	11.64	13.00
	8	LOW	64QAM	11.90	11.76	11.64	13.00
		MID	64QAM	11.90	11.76	11.64	13.00
		HIGH	64QAM	11.90	11.76	11.64	13.00
	15	LOW	64QAM	11.90	11.76	11.64	13.00
		MID	64QAM	11.90	11.76	11.64	13.00
		HIGH	64QAM	11.90	11.76	11.64	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	14.67	14.88	14.96	16.00
		MID	QPSK	15.04	15.19	14.88	16.00
		HIGH	QPSK	15.04	15.01	15.07	16.00
	12	LOW	QPSK	13.97	13.78	13.89	15.00
		MID	QPSK	14.06	14.00	14.05	15.00
		HIGH	QPSK	13.97	13.88	14.05	15.00
	25	LOW	QPSK	13.86	13.87	13.82	15.00
		LOW	Q16	14.37	14.31	14.32	15.00
		MID	Q16	14.62	14.68	14.56	15.00
5	1	HIGH	Q16	14.25	14.51	14.39	15.00
		LOW	Q16	12.88	13.02	12.76	14.00
		MID	Q16	12.98	13.10	12.87	14.00
	12	HIGH	Q16	12.98	13.09	12.95	14.00
		LOW	Q16	12.99	12.95	12.93	14.00
		MID	64QAM	13.39	13.34	13.31	14.00
	25	LOW	64QAM	13.67	13.73	13.53	14.00
		MID	64QAM	13.27	13.54	13.42	14.00
		HIGH	64QAM	11.82	12.05	11.81	13.00
5	1	LOW	64QAM	11.93	12.04	11.81	13.00
		MID	64QAM	11.90	12.08	11.89	13.00
		HIGH	64QAM	11.91	11.96	11.93	13.00
	12	LOW	64QAM	11.91	11.96	11.93	13.00
		MID	64QAM	11.91	11.96	11.93	13.00
		HIGH	64QAM	11.91	11.96	11.93	13.00
	25	LOW	64QAM	11.91	11.96	11.93	13.00
		MID	64QAM	11.91	11.96	11.93	13.00
		HIGH	64QAM	11.91	11.96	11.93	13.00

LTE B4-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	14.89	14.88	14.99	16.00
		MID	QPSK	15.10	14.94	15.16	16.00
		HIGH	QPSK	14.76	14.90	15.07	16.00
	25	LOW	QPSK	13.89	13.71	13.79	15.00
		MID	QPSK	14.00	14.06	13.91	15.00
		HIGH	QPSK	14.04	14.11	14.04	15.00
	50	LOW	QPSK	13.96	13.98	13.74	15.00
		LOW	Q16	14.17	14.37	14.17	15.00
		MID	Q16	14.39	14.68	14.56	15.00
10	1	MID	Q16	14.42	14.35	14.33	15.00
		LOW	Q16	12.88	12.93	12.77	14.00
		HIGH	Q16	13.16	12.97	12.96	14.00
	25	HIGH	Q16	12.86	13.16	12.87	14.00
		LOW	Q16	13.11	13.06	12.95	14.00
		LOW	Q16	13.20	13.35	13.08	14.00
	50	MID	64QAM	13.39	13.66	13.48	14.00
		HIGH	64QAM	13.35	13.26	13.31	14.00
		LOW	64QAM	11.81	11.85	11.77	13.00
10	1	MID	64QAM	12.16	11.88	11.93	13.00
		HIGH	64QAM	11.91	12.17	11.84	13.00
		LOW	64QAM	12.05	12.01	11.87	13.00
	25	LOW	64QAM	12.05	12.01	11.87	13.00
		LOW	64QAM	12.05	12.01	11.87	13.00
		LOW	64QAM	12.05	12.01	11.87	13.00
	50	LOW	64QAM	12.05	12.01	11.87	13.00
		LOW	64QAM	12.05	12.01	11.87	13.00
		LOW	64QAM	12.05	12.01	11.87	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	14.77	14.82	14.72	16.00
		MID	QPSK	15.07	15.03	15.09	16.00
		HIGH	QPSK	14.98	14.80	14.78	16.00
	36	LOW	QPSK	13.84	13.80	13.73	15.00
		MID	QPSK	14.05	14.06	13.89	15.00
		HIGH	QPSK	13.84	13.96	13.88	15.00
	75	LOW	QPSK	14.12	13.88	13.80	15.00
		LOW	Q16	14.30	14.22	14.19	15.00
		MID	Q16	14.34	14.43	14.63	15.00
15	1	HIGH	Q16	14.36	14.51	14.43	15.00
		LOW	Q16	12.84	13.01	12.71	14.00
		MID	Q16	13.10	13.00	12.94	14.00
	36	HIGH	Q16	13.07	13.16	13.10	14.00
		LOW	Q16	12.81	12.86	12.86	14.00
		LOW	Q16	12.81	12.86	12.86	14.00
	75	LOW	64QAM	13.31	13.26	13.12	14.00
		MID	64QAM	13.37	13.44	13.63	14.00
		HIGH	64QAM	13.37	13.52	13.41	14.00
15	1	LOW	64QAM	11.76	11.92	11.74	13.00
		MID	64QAM	12.08	11.99	11.93	13.00
		HIGH	64QAM	12.07	12.17	12.08	13.00
	36	LOW	64QAM	11.77	11.89	11.81	13.00
		LOW	64QAM	11.77	11.89	11.81	13.00
		LOW	64QAM	11.77	11.89	11.81	13.00
	75	LOW	64QAM	11.77	11.89	11.81	13.00
		LOW	64QAM	11.77	11.89	11.81	13.00
		LOW	64QAM	11.77	11.89	11.81	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	14.78	14.86	14.84	16.00
		MID	QPSK	15.03	15.04	15.05	16.00
		HIGH	QPSK	14.90	14.89	14.92	16.00
	50	LOW	QPSK	13.96	13.86	13.78	15.00
		MID	QPSK	14.06	13.98	13.95	15.00
		HIGH	QPSK	13.98	14.01	13.94	15.00
	100	LOW	QPSK	13.97	13.93	13.84	15.00
		LOW	Q16	14.24	14.32	14.28	15.00
		MID	Q16	14.48	14.54	14.53	15.00
20	1	HIGH	Q16	14.31	14.36	14.35	15.00
		LOW	Q16	12.89	12.90	12.83	14.00
		MID	Q16	13.02	13.00	12.94	14.00
	50	HIGH	Q16	12.98	13.02	12.96	14.00
		LOW	Q16	12.96	12.97	12.84	14.00
		LOW	Q16	12.96	12.97	12.84	14.00
	100	LOW	64QAM	13.26	13.26	13.19	14.00
		MID	64QAM	13.45	13.54	13.57	14.00
		HIGH	64QAM	13.22	13.33	13.34	14.00
20	1	LOW	64QAM	11.86	11.82	11.84	13.00
		MID	64QAM	11.94	11.99	11.94	13.00
		HIGH	64QAM	12.01	12.07	12.00	13.00
	50	LOW	64QAM	11.97	12.01	11.80	13.00
		LOW	64QAM	11.97	12.01	11.80	13.00
		LOW	64QAM	11.97	12.01	11.80	13.00
	100	LOW	64QAM	11.97	12.01	11.80	13.00
		LOW	64QAM	11.97	12.01	11.80	13.00
		LOW	64QAM	11.97	12.01	11.80	13.00

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	14.26	14.34	14.30	16.00	
		MID	QPSK	14.65	14.74	14.75	16.00	
		HIGH	QPSK	14.53	14.64	14.45	16.00	
	3	LOW	QPSK	14.36	14.25	14.28	16.00	
		MID	QPSK	14.42	14.71	14.54	16.00	
		HIGH	QPSK	14.30	14.38	14.45	16.00	
	6	LOW	QPSK	13.46	13.42	13.51	15.00	
		LOW	Q16	13.62	13.77	13.83	15.00	
		MID	Q16	13.91	14.19	14.18	15.00	
1.4	1	HIGH	Q16	13.83	14.03	14.11	15.00	
		LOW	Q16	13.69	13.99	13.92	15.00	
		MID	Q16	14.02	14.05	14.03	15.00	
	3	HIGH	Q16	13.93	13.92	14.12	15.00	
		LOW	Q16	12.48	12.44	12.56	14.00	
		LOW	64QAM	12.54	12.79	12.83	14.00	
	1	MID	64QAM	12.91	13.19	13.13	14.00	
		HIGH	64QAM	12.78	12.99	13.09	14.00	
		LOW	64QAM	12.68	13.01	12.87	14.00	
1.4	3	MID	64QAM	13.06	12.99	12.99	14.00	
		HIGH	64QAM	12.85	12.93	13.08	14.00	
		LOW	64QAM	11.43	11.42	11.52	13.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	14.41	14.25	14.38	16.00
			MID	QPSK	14.55	14.65	14.59	16.00
			HIGH	QPSK	14.43	14.59	14.63	16.00
		8	LOW	QPSK	13.30	13.56	13.51	15.00
			MID	QPSK	13.53	13.56	13.56	15.00
HIGH			QPSK	13.61	13.62	13.56	15.00	
15		LOW	QPSK	13.58	13.59	13.44	15.00	
		LOW	Q16	13.66	13.87	13.97	15.00	
		MID	Q16	13.94	13.99	14.16	15.00	
3	1	HIGH	Q16	13.84	14.10	14.13	15.00	
		LOW	Q16	12.54	12.36	12.37	14.00	
		MID	Q16	12.41	12.65	12.39	14.00	
	8	HIGH	Q16	12.55	12.65	12.66	14.00	
		LOW	Q16	12.44	12.61	12.41	14.00	
		LOW	64QAM	12.67	12.84	13.01	14.00	
	1	MID	64QAM	12.90	12.97	13.11	14.00	
		HIGH	64QAM	12.77	13.08	13.07	14.00	
		LOW	64QAM	11.55	11.33	11.38	13.00	
3	8	MID	64QAM	11.33	11.69	11.37	13.00	
		HIGH	64QAM	11.49	11.59	11.66	13.00	
		LOW	64QAM	11.38	11.66	11.35	13.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
	5	1	LOW	QPSK	14.39	14.28	14.38	16.00
			MID	QPSK	14.39	14.45	14.67	16.00
			HIGH	QPSK	14.36	14.46	14.38	16.00
		12	LOW	QPSK	13.35	13.48	13.56	15.00
			MID	QPSK	13.71	13.56	13.63	15.00
HIGH			QPSK	13.68	13.60	13.52	15.00	
25		LOW	QPSK	13.53	13.56	13.59	15.00	
		LOW	Q16	13.67	13.73	13.74	15.00	
		MID	Q16	13.89	13.92	14.12	15.00	
5	1	HIGH	Q16	13.86	14.03	13.86	15.00	
		LOW	Q16	12.45	12.48	12.25	14.00	
		MID	Q16	12.59	12.65	12.64	14.00	
	12	HIGH	Q16	12.58	12.59	12.67	14.00	
		LOW	Q16	12.35	12.46	12.50	14.00	
		LOW	64QAM	12.65	12.74	12.72	14.00	
	1	MID	64QAM	12.89	12.86	13.16	14.00	
		HIGH	64QAM	12.81	13.07	12.83	14.00	
		LOW	64QAM	11.42	11.52	11.21	13.00	
5	12	MID	64QAM	11.51	11.65	11.65	13.00	
		HIGH	64QAM	11.50	11.50	11.67	13.00	
		LOW	64QAM	11.35	11.43	11.46	13.00	

LTE B4-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	14.28	14.33	14.34	16.00
		MID	QPSK	14.40	14.50	14.54	16.00
		HIGH	QPSK	14.41	14.50	14.40	16.00
	25	LOW	QPSK	13.50	13.58	13.37	15.00
		MID	QPSK	13.74	13.47	13.61	15.00
		HIGH	QPSK	13.46	13.51	13.61	15.00
	50	LOW	QPSK	13.52	13.51	13.57	15.00
		LOW	Q16	13.63	13.91	13.80	15.00
		MID	Q16	13.97	13.92	14.18	15.00
10	1	MID	Q16	13.83	13.99	14.10	15.00
		HIGH	Q16	12.45	12.52	12.42	14.00
		LOW	Q16	12.66	12.59	12.45	14.00
	25	HIGH	Q16	12.54	12.73	12.39	14.00
		LOW	Q16	12.52	12.42	12.38	14.00
		LOW	64QAM	12.68	12.96	12.77	14.00
	50	MID	64QAM	12.97	12.90	13.13	14.00
		HIGH	64QAM	12.81	13.02	13.04	14.00
		LOW	64QAM	11.36	11.43	11.41	13.00
10	1	MID	64QAM	11.59	11.64	11.41	13.00
		HIGH	64QAM	11.47	11.67	11.36	13.00
		LOW	64QAM	11.44	11.35	11.39	13.00
	25	LOW	64QAM	11.44	11.35	11.39	13.00
		LOW	64QAM	11.44	11.35	11.39	13.00
		LOW	64QAM	11.44	11.35	11.39	13.00
	50	LOW	64QAM	11.44	11.35	11.39	13.00
		LOW	64QAM	11.44	11.35	11.39	13.00
		LOW	64QAM	11.44	11.35	11.39	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	14.24	14.51	14.30	16.00
		MID	QPSK	14.41	14.44	14.60	16.00
		HIGH	QPSK	14.55	14.62	14.67	16.00
	36	LOW	QPSK	13.38	13.48	13.50	15.00
		MID	QPSK	13.51	13.57	13.54	15.00
		HIGH	QPSK	13.45	13.58	13.49	15.00
	75	LOW	QPSK	13.53	13.56	13.35	15.00
		LOW	Q16	13.81	13.78	13.86	15.00
		MID	Q16	14.12	14.15	14.05	15.00
15	1	HIGH	Q16	13.90	14.02	14.14	15.00
		LOW	Q16	12.46	12.51	12.32	14.00
		MID	Q16	12.44	12.46	12.68	14.00
	36	HIGH	Q16	12.48	12.47	12.64	14.00
		LOW	Q16	12.40	12.64	12.32	14.00
		LOW	64QAM	12.85	12.78	12.89	14.00
	75	MID	64QAM	13.10	13.07	12.97	14.00
		HIGH	64QAM	12.90	13.05	13.14	14.00
		LOW	64QAM	11.47	11.44	11.35	13.00
15	1	MID	64QAM	11.49	11.38	11.64	13.00
		HIGH	64QAM	11.45	11.38	11.64	13.00
		LOW	64QAM	11.37	11.65	11.23	13.00
	36	LOW	64QAM	11.37	11.65	11.23	13.00
		LOW	64QAM	11.37	11.65	11.23	13.00
		LOW	64QAM	11.37	11.65	11.23	13.00
	75	LOW	64QAM	11.37	11.65	11.23	13.00
		LOW	64QAM	11.37	11.65	11.23	13.00
		LOW	64QAM	11.37	11.65	11.23	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	14.31	14.38	14.39	16.00
		MID	QPSK	14.54	14.61	14.60	16.00
		HIGH	QPSK	14.42	14.49	14.52	16.00
	50	LOW	QPSK	13.41	13.44	13.41	15.00
		MID	QPSK	13.59	13.56	13.60	15.00
		HIGH	QPSK	13.53	13.59	13.58	15.00
	100	LOW	QPSK	13.50	13.50	13.46	15.00
		LOW	Q16	13.76	13.86	13.85	15.00
		MID	Q16	13.99	14.06	14.09	15.00
20	1	HIGH	Q16	13.85	13.97	13.99	15.00
		LOW	Q16	12.41	12.43	12.38	14.00
		MID	Q16	12.54	12.57	12.54	14.00
	50	HIGH	Q16	12.52	12.58	12.53	14.00
		LOW	Q16	12.50	12.51	12.44	14.00
		LOW	64QAM	12.75	12.83	12.85	14.00
	100	MID	64QAM	12.90	13.03	13.13	14.00
		HIGH	64QAM	12.85	12.94	12.96	14.00
		LOW	64QAM	11.44	11.46	11.33	13.00
20	1	MID	64QAM	11.54	11.49	11.48	13.00
		HIGH	64QAM	11.44	11.59	11.46	13.00
		LOW	64QAM	11.42	11.53	11.38	13.00
	50	LOW	64QAM	11.42	11.53	11.38	13.00
		LOW	64QAM	11.42	11.53	11.38	13.00
		LOW	64QAM	11.42	11.53	11.38	13.00
	100	LOW	64QAM	11.42	11.53	11.38	13.00
		LOW	64QAM	11.42	11.53	11.38	13.00
		LOW	64QAM	11.42	11.53	11.38	13.00

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.84	22.83	22.93	23.50
		MID	QPSK	22.84	23.12	22.97	23.50
		HIGH	QPSK	22.95	22.92	22.82	23.50
	3	LOW	QPSK	22.84	22.75	22.91	23.50
		MID	QPSK	22.69	22.91	23.06	23.50
		HIGH	QPSK	22.79	22.95	23.03	23.50
6	LOW	QPSK	21.90	21.97	21.81	22.50	
1.4	1	LOW	Q16	21.60	22.24	21.91	22.50
		MID	Q16	21.71	22.46	21.96	22.50
		HIGH	Q16	21.89	22.18	21.95	22.50
	3	LOW	Q16	21.74	22.43	21.90	22.50
		MID	Q16	21.95	22.19	21.90	22.50
		HIGH	Q16	22.02	22.31	21.82	22.50
6	LOW	Q16	20.93	21.02	20.86	21.50	
1.4	1	LOW	64QAM	20.52	21.23	20.85	21.50
		MID	64QAM	20.64	21.37	20.94	21.50
		HIGH	64QAM	20.84	21.17	20.91	21.50
	3	LOW	64QAM	20.70	21.35	20.87	21.50
		MID	64QAM	20.90	21.14	20.95	21.50
		HIGH	64QAM	21.02	21.34	20.77	21.50
6	LOW	64QAM	19.89	19.98	19.82	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.95	22.79	22.88	23.50
		MID	QPSK	22.96	22.90	23.00	23.50
		HIGH	QPSK	22.86	22.89	22.93	23.50
	8	LOW	QPSK	21.72	21.81	21.75	22.50
		MID	QPSK	21.80	21.79	21.88	22.50
		HIGH	QPSK	21.69	21.94	21.87	22.50
15	LOW	QPSK	21.77	21.78	21.78	22.50	
3	1	LOW	Q16	21.79	22.33	21.95	22.50
		MID	Q16	21.73	22.24	21.86	22.50
		HIGH	Q16	21.72	22.15	21.82	22.50
	8	LOW	Q16	21.03	20.88	21.06	21.50
		MID	Q16	20.95	21.06	21.07	21.50
		HIGH	Q16	20.97	20.93	21.13	21.50
15	LOW	Q16	20.81	21.02	20.77	21.50	
3	1	LOW	64QAM	20.80	21.30	20.98	21.50
		MID	64QAM	20.67	21.15	20.85	21.50
		HIGH	64QAM	20.71	21.16	20.84	21.50
	8	LOW	64QAM	19.96	19.82	20.10	20.50
		MID	64QAM	19.89	20.06	20.07	20.50
		HIGH	64QAM	20.00	19.91	20.06	20.50
15	LOW	64QAM	19.80	19.98	19.69	20.50	

LTE B5-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.68	23.01	22.95	23.50
		MID	QPSK	22.84	23.05	22.98	23.50
		HIGH	QPSK	22.82	23.05	23.12	23.50
	12	LOW	QPSK	21.83	21.73	21.86	22.50
		MID	QPSK	21.82	21.84	21.83	22.50
		HIGH	QPSK	21.95	21.99	21.86	22.50
25	LOW	QPSK	21.99	22.05	21.88	22.50	
5	1	LOW	Q16	21.66	22.44	21.84	22.50
		MID	Q16	21.92	22.32	22.01	22.50
		HIGH	Q16	21.99	22.12	22.12	22.50
	12	LOW	Q16	20.92	20.89	20.95	21.50
		MID	Q16	21.05	21.11	21.20	21.50
		HIGH	Q16	20.86	21.09	21.02	21.50
25	LOW	Q16	21.04	20.83	20.78	21.50	
5	1	LOW	64QAM	20.60	21.48	20.79	21.50
		MID	64QAM	20.92	21.27	21.02	21.50
		HIGH	64QAM	20.98	21.16	21.09	21.50
	12	LOW	64QAM	19.88	19.80	19.98	20.50
		MID	64QAM	20.04	20.11	20.25	20.50
		HIGH	64QAM	19.84	20.10	20.07	20.50
25	LOW	64QAM	20.03	19.74	19.75	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.80	22.89	22.85	23.50
		MID	QPSK	22.84	22.97	22.97	23.50
		HIGH	QPSK	22.86	22.92	22.97	23.50
	25	LOW	QPSK	21.78	21.86	21.80	22.50
		MID	QPSK	21.86	21.92	21.90	22.50
		HIGH	QPSK	21.83	21.89	21.76	22.50
50	LOW	QPSK	21.85	21.91	21.83	22.50	
10	1	LOW	Q16	21.69	22.31	21.92	22.50
		MID	Q16	21.82	22.34	21.96	22.50
		HIGH	Q16	21.87	22.26	21.97	22.50
	25	LOW	Q16	20.92	20.95	20.92	21.50
		MID	Q16	21.01	21.05	21.12	21.50
		HIGH	Q16	20.97	20.97	21.00	21.50
50	LOW	Q16	20.92	20.96	20.92	21.50	
10	1	LOW	64QAM	20.74	21.25	20.94	21.50
		MID	64QAM	20.85	21.28	20.97	21.50
		HIGH	64QAM	20.87	21.30	20.97	21.50
	25	LOW	64QAM	19.94	19.94	19.95	20.50
		MID	64QAM	20.02	20.07	20.13	20.50
		HIGH	64QAM	19.95	19.90	20.00	20.50
50	LOW	64QAM	19.86	19.95	19.91	20.50	

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.57	22.58	22.47	24.00
		MID	QPSK	22.47	22.43	22.59	24.00
		HIGH	QPSK	22.47	22.46	22.54	24.00
	3	LOW	QPSK	22.37	22.48	22.44	24.00
		MID	QPSK	22.57	22.73	22.50	24.00
		HIGH	QPSK	22.51	22.52	22.66	24.00
6	LOW	QPSK	21.55	21.58	21.43	23.00	
1.4	1	LOW	Q16	21.29	21.82	21.52	23.00
		MID	Q16	21.56	22.07	21.70	23.00
		HIGH	Q16	21.56	22.06	21.53	23.00
	3	LOW	Q16	21.23	21.96	21.59	23.00
		MID	Q16	21.56	21.96	21.71	23.00
		HIGH	Q16	21.62	21.91	21.46	23.00
6	LOW	Q16	20.54	20.42	20.45	22.00	
1.4	1	LOW	64QAM	20.27	20.85	20.52	22.00
		MID	64QAM	20.50	21.05	20.72	22.00
		HIGH	64QAM	20.51	21.03	20.58	22.00
	3	LOW	64QAM	20.22	20.88	20.60	22.00
		MID	64QAM	20.57	21.01	20.71	22.00
		HIGH	64QAM	20.58	20.96	20.48	22.00
6	LOW	64QAM	19.49	19.43	19.47	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.31	22.40	22.36	24.00
		MID	QPSK	22.37	22.63	22.48	24.00
		HIGH	QPSK	22.34	22.54	22.64	24.00
	8	LOW	QPSK	21.41	21.32	21.34	23.00
		MID	QPSK	21.50	21.48	21.46	23.00
		HIGH	QPSK	21.35	21.56	21.51	23.00
15	LOW	QPSK	21.38	21.61	21.59	23.00	
3	1	LOW	Q16	21.23	22.01	21.49	23.00
		MID	Q16	21.51	21.84	21.63	23.00
		HIGH	Q16	21.39	21.96	21.51	23.00
	8	LOW	Q16	20.67	20.46	20.70	22.00
		MID	Q16	20.71	20.60	20.78	22.00
		HIGH	Q16	20.61	20.71	20.51	22.00
15	LOW	Q16	20.57	20.44	20.63	22.00	
3	1	LOW	64QAM	20.27	20.96	20.48	22.00
		MID	64QAM	20.44	20.76	20.67	22.00
		HIGH	64QAM	20.40	20.98	20.45	22.00
	8	LOW	64QAM	19.65	19.50	19.68	21.00
		MID	64QAM	19.70	19.61	19.78	21.00
		HIGH	64QAM	19.66	19.75	19.51	21.00
15	LOW	64QAM	19.60	19.44	19.59	21.00	

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.45	22.52	22.40	24.00
		MID	QPSK	22.35	22.47	22.65	24.00
		HIGH	QPSK	22.53	22.65	22.60	24.00
	12	LOW	QPSK	21.45	21.48	21.38	23.00
		MID	QPSK	21.66	21.64	21.48	23.00
		HIGH	QPSK	21.39	21.45	21.39	23.00
25	LOW	QPSK	21.58	21.64	21.59	23.00	
5	1	LOW	Q16	21.48	21.99	21.53	23.00
		MID	Q16	21.48	21.89	21.61	23.00
		HIGH	Q16	21.46	22.07	21.55	23.00
	12	LOW	Q16	20.46	20.55	20.63	22.00
		MID	Q16	20.65	20.76	20.58	22.00
		HIGH	Q16	20.52	20.58	20.64	22.00
25	LOW	Q16	20.41	20.42	20.53	22.00	
5	1	LOW	64QAM	20.50	20.91	20.57	22.00
		MID	64QAM	20.47	20.80	20.59	22.00
		HIGH	64QAM	20.41	21.08	20.47	22.00
	12	LOW	64QAM	19.39	19.47	19.62	21.00
		MID	64QAM	19.59	19.71	19.53	21.00
		HIGH	64QAM	19.45	19.56	19.63	21.00
25	LOW	64QAM	19.43	19.46	19.46	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.51	22.47	24.00
		MID	QPSK	22.50	22.58	22.57	24.00
		HIGH	QPSK	22.48	22.55	22.58	24.00
	25	LOW	QPSK	21.37	21.40	21.43	23.00
		MID	QPSK	21.53	21.58	21.54	23.00
		HIGH	QPSK	21.49	21.52	21.48	23.00
50	LOW	QPSK	21.46	21.53	21.47	23.00	
10	1	LOW	Q16	21.33	21.90	21.51	23.00
		MID	Q16	21.47	21.97	21.60	23.00
		HIGH	Q16	21.47	21.95	21.52	23.00
	25	LOW	Q16	20.52	20.60	20.63	22.00
		MID	Q16	20.59	20.65	20.72	22.00
		HIGH	Q16	20.64	20.58	20.58	22.00
50	LOW	Q16	20.53	20.56	20.53	22.00	
10	1	LOW	64QAM	20.32	20.93	20.42	22.00
		MID	64QAM	20.42	20.91	20.59	22.00
		HIGH	64QAM	20.41	20.88	20.52	22.00
	25	LOW	64QAM	19.47	19.65	19.56	21.00
		MID	64QAM	19.53	19.57	19.68	21.00
		HIGH	64QAM	19.62	19.55	19.61	21.00
50	LOW	64QAM	19.48	19.54	19.51	21.00	

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	14.98	14.94	14.80	16.00
		MID	QPSK	15.13	15.17	15.25	16.00
		HIGH	QPSK	14.83	15.24	15.18	16.00
	12	LOW	QPSK	13.88	14.18	14.21	15.00
		MID	QPSK	14.16	14.10	14.13	15.00
		HIGH	QPSK	14.01	14.05	14.26	15.00
	25	LOW	QPSK	13.96	14.14	14.14	15.00
5	1	LOW	Q16	14.38	14.35	14.56	15.00
		MID	Q16	14.83	14.81	14.59	15.00
		HIGH	Q16	14.46	14.51	14.50	15.00
	12	LOW	Q16	12.94	13.13	12.97	14.00
		MID	Q16	12.99	13.13	13.11	14.00
		HIGH	Q16	13.16	13.12	13.16	14.00
	25	LOW	Q16	13.12	13.10	13.17	14.00
5	1	LOW	64QAM	13.40	13.38	13.57	14.00
		MID	64QAM	13.78	13.85	13.62	14.00
		HIGH	64QAM	13.41	13.51	13.53	14.00
	12	LOW	64QAM	11.93	12.14	11.90	13.00
		MID	64QAM	12.00	12.12	12.02	13.00
		HIGH	64QAM	12.17	12.11	12.19	13.00
	25	LOW	64QAM	12.03	12.09	12.14	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	14.86	15.04	15.01	16.00
		MID	QPSK	15.12	15.14	15.11	16.00
		HIGH	QPSK	15.11	15.14	15.19	16.00
	25	LOW	QPSK	13.96	13.93	13.94	15.00
		MID	QPSK	14.05	14.00	14.32	15.00
		HIGH	QPSK	14.06	14.07	14.04	15.00
	50	LOW	QPSK	14.01	13.99	14.11	15.00
10	1	LOW	Q16	14.42	14.45	14.50	15.00
		MID	Q16	14.64	14.73	14.77	15.00
		HIGH	Q16	14.44	14.59	14.39	15.00
	25	LOW	Q16	13.04	13.01	13.22	14.00
		MID	Q16	13.14	13.02	13.27	14.00
		HIGH	Q16	12.96	13.05	13.17	14.00
	50	LOW	Q16	13.09	13.17	13.06	14.00
10	1	LOW	64QAM	13.35	13.49	13.54	14.00
		MID	64QAM	13.60	13.75	13.81	14.00
		HIGH	64QAM	13.39	13.55	13.32	14.00
	25	LOW	64QAM	12.06	11.94	12.23	13.00
		MID	64QAM	12.05	11.93	12.27	13.00
		HIGH	64QAM	11.91	11.96	12.15	13.00
	50	LOW	64QAM	12.01	12.17	12.03	13.00

LTE B7-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	14.90	14.88	14.86	16.00
		MID	QPSK	15.20	15.30	15.16	16.00
		HIGH	QPSK	15.03	15.20	15.04	16.00
	36	LOW	QPSK	13.97	14.07	14.15	15.00
		MID	QPSK	14.10	14.23	14.27	15.00
		HIGH	QPSK	13.99	14.18	14.01	15.00
	75	LOW	QPSK	13.87	13.96	14.12	15.00
15	1	LOW	Q16	14.41	14.46	14.27	15.00
		MID	Q16	14.80	14.82	14.66	15.00
		HIGH	Q16	14.55	14.50	14.45	15.00
	36	LOW	Q16	12.85	13.05	13.08	14.00
		MID	Q16	13.25	13.18	13.20	14.00
		HIGH	Q16	13.17	13.00	13.17	14.00
	75	LOW	Q16	12.95	13.09	12.94	14.00
15	1	LOW	64QAM	13.35	13.37	13.21	14.00
		MID	64QAM	13.75	13.74	13.61	14.00
		HIGH	64QAM	13.47	13.50	13.47	14.00
	36	LOW	64QAM	11.80	11.98	11.99	13.00
		MID	64QAM	12.25	12.17	12.14	13.00
		HIGH	64QAM	12.21	11.92	12.18	13.00
	75	LOW	64QAM	11.88	12.05	11.86	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	15.00	14.92	14.95	16.00
		MID	QPSK	15.21	15.15	15.17	16.00
		HIGH	QPSK	14.97	15.13	15.04	16.00
	50	LOW	QPSK	13.94	14.04	14.09	15.00
		MID	QPSK	14.13	14.13	14.20	15.00
		HIGH	QPSK	14.06	14.10	14.11	15.00
100	LOW	QPSK	14.00	14.04	14.06	15.00	
20	1	LOW	Q16	14.51	14.44	14.41	15.00
		MID	Q16	14.69	14.72	14.65	15.00
		HIGH	Q16	14.50	14.64	14.52	15.00
	50	LOW	Q16	12.94	13.09	13.08	14.00
		MID	Q16	13.13	13.12	13.20	14.00
		HIGH	Q16	13.08	13.12	13.09	14.00
100	LOW	Q16	13.03	13.07	13.08	14.00	
20	1	LOW	64QAM	13.43	13.37	13.36	14.00
		MID	64QAM	13.70	13.70	13.61	14.00
		HIGH	64QAM	13.42	13.55	13.51	14.00
	50	LOW	64QAM	11.86	12.01	12.04	13.00
		MID	64QAM	12.09	12.16	12.13	13.00
		HIGH	64QAM	12.12	12.13	12.07	13.00
	100	LOW	64QAM	12.04	12.00	11.99	13.00

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	13.91	13.82	13.70	15.00
		MID	QPSK	14.19	13.91	13.90	15.00
		HIGH	QPSK	13.99	13.85	13.76	15.00
	12	LOW	QPSK	12.90	12.90	12.75	14.00
		MID	QPSK	13.15	12.96	12.89	14.00
		HIGH	QPSK	12.90	12.95	12.77	14.00
	25	LOW	QPSK	12.80	12.96	12.80	14.00
5	1	LOW	Q16	13.58	13.35	13.31	14.00
		MID	Q16	13.69	13.59	13.44	14.00
		HIGH	Q16	13.51	13.36	13.25	14.00
	12	LOW	Q16	12.00	11.88	11.97	13.00
		MID	Q16	12.05	12.01	11.92	13.00
		HIGH	Q16	12.01	11.77	11.77	13.00
	25	LOW	Q16	12.12	11.82	11.90	13.00
5	1	LOW	64QAM	12.56	12.29	12.23	13.00
		MID	64QAM	12.74	12.51	12.41	13.00
		HIGH	64QAM	12.44	12.32	12.22	13.00
	12	LOW	64QAM	10.92	10.93	10.89	12.00
		MID	64QAM	11.10	11.01	10.83	12.00
		HIGH	64QAM	11.00	10.73	10.81	12.00
	25	LOW	64QAM	11.06	10.85	10.85	12.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	13.88	13.88	13.70	15.00
		MID	QPSK	14.19	13.97	14.01	15.00
		HIGH	QPSK	13.95	13.89	13.65	15.00
	25	LOW	QPSK	13.07	12.93	12.76	14.00
		MID	QPSK	12.96	12.80	12.98	14.00
		HIGH	QPSK	12.82	12.86	12.77	14.00
	50	LOW	QPSK	12.81	12.94	13.00	14.00
10	1	LOW	Q16	13.36	13.19	13.14	14.00
		MID	Q16	13.74	13.68	13.54	14.00
		HIGH	Q16	13.50	13.40	13.16	14.00
	25	LOW	Q16	11.83	11.95	11.75	13.00
		MID	Q16	12.08	12.05	11.94	13.00
		HIGH	Q16	12.09	11.96	11.71	13.00
	50	LOW	Q16	11.93	12.00	11.99	13.00
10	1	LOW	64QAM	12.36	12.20	12.07	13.00
		MID	64QAM	12.76	12.69	12.53	13.00
		HIGH	64QAM	12.45	12.31	12.14	13.00
	25	LOW	64QAM	10.75	10.87	10.78	12.00
		MID	64QAM	11.03	10.97	10.89	12.00
		HIGH	64QAM	11.07	10.93	10.71	12.00
	50	LOW	64QAM	10.86	11.02	10.94	12.00

LTE B7-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	13.89	13.82	13.67	15.00
		MID	QPSK	14.03	13.98	14.05	15.00
		HIGH	QPSK	13.88	13.86	13.88	15.00
	36	LOW	QPSK	13.02	12.89	13.03	14.00
		MID	QPSK	12.98	12.91	12.89	14.00
		HIGH	QPSK	12.88	13.01	12.93	14.00
	75	LOW	QPSK	12.99	12.74	12.91	14.00
15	1	LOW	Q16	13.56	13.17	13.29	14.00
		MID	Q16	13.52	13.72	13.38	14.00
		HIGH	Q16	13.36	13.46	13.10	14.00
	36	LOW	Q16	11.96	11.85	11.90	13.00
		MID	Q16	12.19	11.84	12.02	13.00
		HIGH	Q16	11.95	12.05	12.00	13.00
	75	LOW	Q16	11.99	11.83	11.80	13.00
15	1	LOW	64QAM	12.50	12.16	12.27	13.00
		MID	64QAM	12.53	12.69	12.31	13.00
		HIGH	64QAM	12.41	12.44	12.08	13.00
	36	LOW	64QAM	10.96	10.79	10.94	12.00
		MID	64QAM	11.22	10.76	11.02	12.00
		HIGH	64QAM	10.96	11.08	11.05	12.00
	75	LOW	64QAM	10.97	10.86	10.82	12.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	13.97	13.81	13.72	15.00
		MID	QPSK	14.08	14.00	13.91	15.00
		HIGH	QPSK	13.86	13.94	13.80	15.00
	50	LOW	QPSK	12.92	12.85	12.89	14.00
		MID	QPSK	13.06	12.95	12.93	14.00
		HIGH	QPSK	12.96	12.93	12.87	14.00
100	LOW	QPSK	12.95	12.88	12.87	14.00	
20	1	LOW	Q16	13.45	13.32	13.22	14.00
		MID	Q16	13.61	13.57	13.39	14.00
		HIGH	Q16	13.41	13.46	13.22	14.00
	50	LOW	Q16	11.92	11.86	11.90	13.00
		MID	Q16	12.07	11.95	11.97	13.00
		HIGH	Q16	11.96	11.92	11.86	13.00
100	LOW	Q16	11.98	11.88	11.87	13.00	
20	1	LOW	64QAM	12.39	12.37	12.15	13.00
		MID	64QAM	12.57	12.62	12.34	13.00
		HIGH	64QAM	12.43	12.45	12.24	13.00
	50	LOW	64QAM	10.85	10.88	10.90	12.00
		MID	64QAM	11.12	10.93	10.88	12.00
		HIGH	64QAM	10.87	10.88	10.80	12.00
	100	LOW	64QAM	10.99	10.85	10.80	12.00

8.3.5 LTE Band38 Output Power

LTE B38-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	18.28	18.19	17.78	19.00
		MID	QPSK	18.36	18.07	18.00	19.00
		HIGH	QPSK	17.98	17.80	18.14	19.00
	12	LOW	QPSK	17.03	17.02	17.10	18.00
		MID	QPSK	17.23	17.04	17.20	18.00
		HIGH	QPSK	17.21	17.18	16.85	18.00
	25	LOW	QPSK	17.27	17.05	17.00	18.00
5	1	LOW	Q16	17.14	16.81	17.18	18.00
		MID	Q16	17.20	17.12	17.30	18.00
		HIGH	Q16	17.03	16.75	16.99	18.00
	12	LOW	Q16	16.12	16.21	16.00	17.00
		MID	Q16	16.11	16.08	16.16	17.00
		HIGH	Q16	16.25	15.95	16.08	17.00
	25	LOW	Q16	16.20	16.22	16.03	17.00
5	1	LOW	64QAM	16.17	15.78	16.15	17.00
		MID	64QAM	16.18	16.15	16.26	17.00
		HIGH	64QAM	16.00	15.75	15.97	17.00
	12	LOW	64QAM	15.12	15.26	15.00	16.00
		MID	64QAM	15.03	15.02	15.10	16.00
		HIGH	64QAM	15.28	14.99	15.11	16.00
	25	LOW	64QAM	15.23	15.22	14.94	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	18.10	18.19	18.01	19.00
		MID	QPSK	18.36	18.19	18.01	19.00
		HIGH	QPSK	18.07	17.85	18.11	19.00
	25	LOW	QPSK	17.05	16.96	16.96	18.00
		MID	QPSK	17.17	17.03	17.01	18.00
		HIGH	QPSK	17.09	16.92	17.02	18.00
	50	LOW	QPSK	17.04	17.18	16.81	18.00
10	1	LOW	Q16	17.02	17.07	17.09	18.00
		MID	Q16	17.16	17.05	17.38	18.00
		HIGH	Q16	16.99	16.79	17.15	18.00
	25	LOW	Q16	16.17	16.12	16.14	17.00
		MID	Q16	16.27	16.22	16.09	17.00
		HIGH	Q16	16.13	16.23	15.96	17.00
	50	LOW	Q16	16.06	16.20	15.89	17.00
10	1	LOW	64QAM	16.03	16.07	16.03	17.00
		MID	64QAM	16.16	15.98	16.43	17.00
		HIGH	64QAM	16.00	15.78	16.10	17.00
	25	LOW	64QAM	15.08	15.10	15.18	16.00
		MID	64QAM	15.28	15.27	15.07	16.00
		HIGH	64QAM	15.18	15.25	14.98	16.00
	50	LOW	64QAM	15.00	15.20	14.84	16.00

LTE B38-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	18.00	18.02	17.99	19.00
		MID	QPSK	18.35	18.32	18.17	19.00
		HIGH	QPSK	18.13	17.84	18.11	19.00
	36	LOW	QPSK	17.29	17.07	17.08	18.00
		MID	QPSK	17.39	17.26	17.20	18.00
		HIGH	QPSK	17.20	16.92	17.04	18.00
75	LOW	QPSK	17.01	17.12	16.80	18.00	
15	1	LOW	Q16	17.01	16.93	17.11	18.00
		MID	Q16	17.39	17.04	17.21	18.00
		HIGH	Q16	16.98	16.77	17.12	18.00
	36	LOW	Q16	16.00	16.01	15.93	17.00
		MID	Q16	16.35	16.22	16.17	17.00
		HIGH	Q16	16.03	16.00	16.12	17.00
75	LOW	Q16	16.30	16.18	15.83	17.00	
15	1	LOW	64QAM	15.96	15.84	16.07	17.00
		MID	64QAM	16.39	15.96	16.20	17.00
		HIGH	64QAM	15.99	15.77	16.04	17.00
	36	LOW	64QAM	14.99	14.98	14.94	16.00
		MID	64QAM	15.26	15.26	15.16	16.00
		HIGH	64QAM	14.96	15.05	15.06	16.00
75	LOW	64QAM	15.28	15.18	14.74	16.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	18.15	18.04	17.92	19.00
		MID	QPSK	18.20	18.21	18.14	19.00
		HIGH	QPSK	18.10	17.94	18.02	19.00
	50	LOW	QPSK	17.15	17.10	16.97	18.00
		MID	QPSK	17.26	17.16	17.05	18.00
		HIGH	QPSK	17.17	17.05	16.97	18.00
100	LOW	QPSK	17.16	17.07	16.94	18.00	
20	1	LOW	Q16	17.09	16.96	17.06	18.00
		MID	Q16	17.28	17.13	17.25	18.00
		HIGH	Q16	17.01	16.88	17.10	18.00
	50	LOW	Q16	16.14	16.10	16.04	17.00
		MID	Q16	16.26	16.16	16.13	17.00
		HIGH	Q16	16.18	16.10	16.06	17.00
100	LOW	Q16	16.17	16.11	15.97	17.00	
20	1	LOW	64QAM	16.12	15.95	16.08	17.00
		MID	64QAM	16.27	16.06	16.20	17.00
		HIGH	64QAM	16.03	15.83	16.05	17.00
	50	LOW	64QAM	15.16	15.04	14.98	16.00
		MID	64QAM	15.23	15.18	15.04	16.00
		HIGH	64QAM	15.15	15.05	14.97	16.00
100	LOW	64QAM	15.19	15.16	14.94	16.00	

8.3.5 LTE Band38 Output Power

LTE B38-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	16.97	16.81	16.44	18.00
		MID	QPSK	17.00	16.74	16.61	18.00
		HIGH	QPSK	16.74	16.46	16.57	18.00
	12	LOW	QPSK	15.68	15.62	15.59	17.00
		MID	QPSK	16.06	15.89	15.57	17.00
		HIGH	QPSK	15.86	15.78	15.58	17.00
25	LOW	QPSK	15.68	15.74	15.51	17.00	
5	1	LOW	Q16	15.83	15.72	15.70	17.00
		MID	Q16	15.97	15.65	15.89	17.00
		HIGH	Q16	15.53	15.37	15.74	17.00
	12	LOW	Q16	14.69	14.90	14.56	16.00
		MID	Q16	14.95	14.77	14.69	16.00
		HIGH	Q16	14.79	14.82	14.68	16.00
25	LOW	Q16	14.97	14.68	14.47	16.00	
5	1	LOW	64QAM	14.83	14.68	14.61	16.00
		MID	64QAM	14.94	14.70	14.88	16.00
		HIGH	64QAM	14.49	14.41	14.72	16.00
	12	LOW	64QAM	13.73	13.92	13.47	15.00
		MID	64QAM	13.88	13.77	13.69	15.00
		HIGH	64QAM	13.82	13.76	13.59	15.00
25	LOW	64QAM	13.99	13.61	13.41	15.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	16.98	16.78	16.42	18.00
		MID	QPSK	17.02	16.92	16.64	18.00
		HIGH	QPSK	16.74	16.63	16.67	18.00
	25	LOW	QPSK	15.87	15.82	15.57	17.00
		MID	QPSK	15.90	15.64	15.71	17.00
		HIGH	QPSK	15.97	15.66	15.36	17.00
50	LOW	QPSK	15.71	15.59	15.47	17.00	
10	1	LOW	Q16	15.81	15.72	15.55	17.00
		MID	Q16	15.93	15.66	15.91	17.00
		HIGH	Q16	15.67	15.59	15.68	17.00
	25	LOW	Q16	14.84	14.72	14.53	16.00
		MID	Q16	14.95	14.82	14.80	16.00
		HIGH	Q16	14.99	14.69	14.48	16.00
50	LOW	Q16	14.74	14.70	14.67	16.00	
10	1	LOW	64QAM	14.80	14.67	14.59	16.00
		MID	64QAM	14.92	14.60	14.90	16.00
		HIGH	64QAM	14.71	14.57	14.65	16.00
	25	LOW	64QAM	13.81	13.74	13.49	15.00
		MID	64QAM	13.92	13.74	13.74	15.00
		HIGH	64QAM	14.00	13.62	13.44	15.00
50	LOW	64QAM	13.79	13.66	13.72	15.00	

LTE B38-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	16.85	16.80	16.41	18.00
		MID	QPSK	17.09	16.87	16.67	18.00
		HIGH	QPSK	16.78	16.67	16.64	18.00
	36	LOW	QPSK	15.94	15.63	15.64	17.00
		MID	QPSK	16.03	15.82	15.57	17.00
		HIGH	QPSK	15.96	15.62	15.52	17.00
75	LOW	QPSK	15.70	15.58	15.37	17.00	
15	1	LOW	Q16	15.90	15.55	15.55	17.00
		MID	Q16	16.08	15.85	15.94	17.00
		HIGH	Q16	15.76	15.39	15.80	17.00
	36	LOW	Q16	14.83	14.89	14.73	16.00
		MID	Q16	14.84	14.67	14.80	16.00
		HIGH	Q16	14.96	14.56	14.74	16.00
75	LOW	Q16	15.00	14.71	14.60	16.00	
15	1	LOW	64QAM	14.93	14.54	14.54	16.00
		MID	64QAM	15.00	14.84	14.90	16.00
		HIGH	64QAM	14.81	14.32	14.77	16.00
	36	LOW	64QAM	13.76	13.82	13.77	15.00
		MID	64QAM	13.86	13.64	13.74	15.00
		HIGH	64QAM	13.95	13.57	13.76	15.00
75	LOW	64QAM	13.97	13.63	13.58	15.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	16.85	16.68	16.55	18.00
		MID	QPSK	16.97	16.83	16.70	18.00
		HIGH	QPSK	16.75	16.55	16.56	18.00
	50	LOW	QPSK	15.80	15.73	15.58	17.00
		MID	QPSK	15.93	15.77	15.65	17.00
		HIGH	QPSK	15.86	15.66	15.51	17.00
100	LOW	QPSK	15.83	15.65	15.52	17.00	
20	1	LOW	Q16	15.77	15.61	15.67	17.00
		MID	Q16	15.94	15.75	15.85	17.00
		HIGH	Q16	15.66	15.44	15.66	17.00
	50	LOW	Q16	14.80	14.75	14.65	16.00
		MID	Q16	14.94	14.79	14.71	16.00
		HIGH	Q16	14.86	14.69	14.60	16.00
100	LOW	Q16	14.85	14.70	14.55	16.00	
20	1	LOW	64QAM	14.73	14.60	14.62	16.00
		MID	64QAM	14.93	14.67	14.86	16.00
		HIGH	64QAM	14.69	14.37	14.65	16.00
	50	LOW	64QAM	13.79	13.73	13.58	15.00
		MID	64QAM	13.86	13.75	13.62	15.00
		HIGH	64QAM	13.90	13.70	13.62	15.00
100	LOW	64QAM	13.89	13.69	13.51	15.00	

8.3.6 LTE Band41 Output Power

LTE B41-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	40065	40640	41215	Tune-up power(dBm)
5	1	LOW	QPSK	17.83	18.14	17.89	19.00
		MID	QPSK	18.22	18.06	18.41	19.00
		HIGH	QPSK	18.25	17.87	18.20	19.00
	12	LOW	QPSK	17.01	17.22	17.05	18.00
		MID	QPSK	17.33	17.20	17.37	18.00
		HIGH	QPSK	17.36	17.06	17.05	18.00
	25	LOW	QPSK	17.04	17.02	17.09	18.00
5	1	LOW	Q16	16.80	17.07	17.00	18.00
		MID	Q16	17.24	17.12	17.36	18.00
		HIGH	Q16	17.03	16.88	17.32	18.00
	12	LOW	Q16	16.03	15.97	16.28	17.00
		MID	Q16	16.05	16.28	16.40	17.00
		HIGH	Q16	16.18	16.03	16.14	17.00
	25	LOW	Q16	16.20	16.23	16.26	17.00
5	1	LOW	64QAM	15.75	16.05	15.94	17.00
		MID	64QAM	16.20	16.11	16.37	17.00
		HIGH	64QAM	16.02	15.80	16.26	17.00
	12	LOW	64QAM	15.02	14.89	15.27	16.00
		MID	64QAM	14.98	15.31	15.31	16.00
		HIGH	64QAM	15.13	15.05	15.15	16.00
	25	LOW	64QAM	15.25	15.21	15.20	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	40090	40640	41190	Tune-up power(dBm)
10	1	LOW	QPSK	17.94	18.12	17.87	19.00
		MID	QPSK	18.36	18.30	18.17	19.00
		HIGH	QPSK	18.02	18.12	18.16	19.00
	25	LOW	QPSK	16.97	17.18	17.32	18.00
		MID	QPSK	17.15	17.18	17.11	18.00
		HIGH	QPSK	17.15	16.98	17.12	18.00
	50	LOW	QPSK	17.20	17.07	17.03	18.00
10	1	LOW	Q16	16.92	16.94	17.26	18.00
		MID	Q16	17.15	17.20	17.55	18.00
		HIGH	Q16	17.07	16.85	17.31	18.00
	25	LOW	Q16	16.11	16.14	16.39	17.00
		MID	Q16	16.16	16.08	16.37	17.00
		HIGH	Q16	16.22	16.16	16.09	17.00
	50	LOW	Q16	16.23	16.14	16.13	17.00
10	1	LOW	64QAM	15.92	15.99	16.28	17.00
		MID	64QAM	16.15	16.15	16.57	17.00
		HIGH	64QAM	16.08	15.79	16.31	17.00
	25	LOW	64QAM	15.05	15.05	15.39	16.00
		MID	64QAM	15.16	15.13	15.29	16.00
		HIGH	64QAM	15.18	15.17	15.14	16.00
	50	LOW	64QAM	15.21	15.18	15.15	16.00

LTE B41-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	40115	40640	41165	Tune-up power(dBm)
15	1	LOW	QPSK	18.04	18.15	18.04	19.00
		MID	QPSK	18.10	18.06	18.32	19.00
		HIGH	QPSK	18.01	17.84	18.05	19.00
	36	LOW	QPSK	16.86	17.18	17.20	18.00
		MID	QPSK	17.12	17.14	17.22	18.00
		HIGH	QPSK	17.31	17.02	17.19	18.00
	75	LOW	QPSK	17.15	17.04	17.15	18.00
15	1	LOW	Q16	17.04	16.98	17.25	18.00
		MID	Q16	17.11	17.13	17.34	18.00
		HIGH	Q16	17.23	16.91	17.22	18.00
	36	LOW	Q16	15.99	16.09	16.20	17.00
		MID	Q16	16.28	16.23	16.47	17.00
		HIGH	Q16	16.14	16.16	16.22	17.00
	75	LOW	Q16	16.23	16.23	16.12	17.00
15	1	LOW	64QAM	15.97	15.99	16.26	17.00
		MID	64QAM	16.07	16.17	16.27	17.00
		HIGH	64QAM	16.17	15.83	16.20	17.00
	36	LOW	64QAM	14.95	15.13	15.21	16.00
		MID	64QAM	15.30	15.17	15.46	16.00
		HIGH	64QAM	15.07	15.19	15.22	16.00
	75	LOW	64QAM	15.22	15.18	15.14	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	40140	40640	41140	Tune-up power(dBm)
20	1	LOW	QPSK	17.97	18.01	18.02	19.00
		MID	QPSK	18.26	18.20	18.25	19.00
		HIGH	QPSK	18.16	17.99	18.16	19.00
	50	LOW	QPSK	16.99	17.11	17.17	18.00
		MID	QPSK	17.20	17.19	17.24	18.00
		HIGH	QPSK	17.26	17.11	17.11	18.00
	100	LOW	QPSK	17.08	17.11	17.12	18.00
20	1	LOW	Q16	16.91	16.94	17.15	18.00
		MID	Q16	17.19	17.13	17.43	18.00
		HIGH	Q16	17.09	16.88	17.24	18.00
	50	LOW	Q16	15.99	16.12	16.25	17.00
		MID	Q16	16.19	16.20	16.33	17.00
		HIGH	Q16	16.26	16.13	16.20	17.00
	100	LOW	Q16	16.12	16.13	16.19	17.00
20	1	LOW	64QAM	15.96	15.87	16.10	17.00
		MID	64QAM	16.19	16.16	16.35	17.00
		HIGH	64QAM	16.05	15.81	16.24	17.00
	50	LOW	64QAM	14.90	15.13	15.26	16.00
		MID	64QAM	15.21	15.21	15.24	16.00
		HIGH	64QAM	15.24	15.17	15.15	16.00
	100	LOW	64QAM	15.12	15.17	15.22	16.00

8.3.6 LTE Band41 Output Power

LTE B41-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	40065	40640	41215	Tune-up power(dBm)
5	1	LOW	QPSK	16.84	16.53	16.63	18.00
		MID	QPSK	16.94	16.72	16.86	18.00
		HIGH	QPSK	17.10	16.68	16.56	18.00
	12	LOW	QPSK	15.85	15.88	15.51	17.00
		MID	QPSK	15.99	15.84	15.79	17.00
		HIGH	QPSK	16.14	15.76	15.75	17.00
25	LOW	QPSK	15.98	15.84	15.77	17.00	
5	1	LOW	Q16	15.88	15.49	15.61	17.00
		MID	Q16	15.96	15.65	15.92	17.00
		HIGH	Q16	16.00	15.56	15.79	17.00
	12	LOW	Q16	14.80	14.65	14.58	16.00
		MID	Q16	15.19	14.71	14.81	16.00
		HIGH	Q16	14.90	14.79	14.59	16.00
25	LOW	Q16	14.90	14.80	14.73	16.00	
5	1	LOW	64QAM	14.87	14.47	14.58	16.00
		MID	64QAM	14.89	14.68	14.83	16.00
		HIGH	64QAM	14.96	14.55	14.81	16.00
	12	LOW	64QAM	13.71	13.59	13.50	15.00
		MID	64QAM	14.14	13.76	13.74	15.00
		HIGH	64QAM	13.89	13.77	13.60	15.00
25	LOW	64QAM	13.91	13.82	13.76	15.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	40090	40640	41190	Tune-up power(dBm)
10	1	LOW	QPSK	16.87	16.66	16.64	18.00
		MID	QPSK	16.94	16.90	16.66	18.00
		HIGH	QPSK	17.05	16.66	16.70	18.00
	25	LOW	QPSK	15.77	15.83	15.71	17.00
		MID	QPSK	16.09	15.89	15.70	17.00
		HIGH	QPSK	16.15	15.56	15.66	17.00
50	LOW	QPSK	15.85	15.68	15.56	17.00	
10	1	LOW	Q16	15.92	15.41	15.74	17.00
		MID	Q16	16.18	15.81	16.07	17.00
		HIGH	Q16	15.97	15.50	15.79	17.00
	25	LOW	Q16	14.69	14.81	14.85	16.00
		MID	Q16	14.92	14.97	14.74	16.00
		HIGH	Q16	15.07	14.83	14.75	16.00
50	LOW	Q16	14.94	14.74	14.68	16.00	
10	1	LOW	64QAM	14.88	14.42	14.71	16.00
		MID	64QAM	15.10	14.76	15.10	16.00
		HIGH	64QAM	15.01	14.41	14.84	16.00
	25	LOW	64QAM	13.61	13.78	13.82	15.00
		MID	64QAM	13.85	13.99	13.70	15.00
		HIGH	64QAM	14.07	13.77	13.74	15.00
50	LOW	64QAM	13.92	13.75	13.62	15.00	

LTE B41-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	40115	40640	41165	Tune-up power(dBm)
15	1	LOW	QPSK	16.78	16.56	16.66	18.00
		MID	QPSK	17.21	16.73	16.78	18.00
		HIGH	QPSK	16.90	16.63	16.81	18.00
	36	LOW	QPSK	15.81	15.88	15.76	17.00
		MID	QPSK	15.93	15.94	15.68	17.00
		HIGH	QPSK	15.89	15.78	15.72	17.00
	75	LOW	QPSK	15.91	15.60	15.59	17.00
15	1	LOW	Q16	15.77	15.67	15.80	17.00
		MID	Q16	15.92	15.73	15.85	17.00
		HIGH	Q16	15.78	15.42	15.79	17.00
	36	LOW	Q16	14.70	14.64	14.80	16.00
		MID	Q16	15.07	14.97	14.94	16.00
		HIGH	Q16	15.14	14.68	14.80	16.00
	75	LOW	Q16	14.88	14.86	14.59	16.00
15	1	LOW	64QAM	14.70	14.64	14.82	16.00
		MID	64QAM	14.86	14.64	14.87	16.00
		HIGH	64QAM	14.80	14.44	14.81	16.00
	36	LOW	64QAM	13.69	13.58	13.84	15.00
		MID	64QAM	14.10	14.00	13.93	15.00
		HIGH	64QAM	14.07	13.69	13.85	15.00
	75	LOW	64QAM	13.88	13.85	13.52	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	40140	40640	41140	Tune-up power(dBm)
20	1	LOW	QPSK	16.85	16.67	16.57	18.00
		MID	QPSK	17.09	16.82	16.81	18.00
		HIGH	QPSK	16.95	16.59	16.67	18.00
	50	LOW	QPSK	15.86	15.73	15.65	17.00
		MID	QPSK	16.01	15.82	15.77	17.00
		HIGH	QPSK	16.02	15.69	15.63	17.00
20	1	LOW	QPSK	15.92	15.70	15.63	17.00
		LOW	Q16	15.78	15.55	15.68	17.00
		MID	Q16	16.03	15.75	15.93	17.00
	50	HIGH	Q16	15.90	15.47	15.78	17.00
		LOW	Q16	14.83	14.72	14.73	16.00
		MID	Q16	15.05	14.82	14.85	16.00
20	1	HIGH	Q16	15.02	14.72	14.73	16.00
		LOW	Q16	14.91	14.73	14.70	16.00
		LOW	64QAM	14.69	14.52	14.72	16.00
	50	MID	64QAM	14.98	14.76	14.97	16.00
		HIGH	64QAM	14.89	14.49	14.80	16.00
		LOW	64QAM	13.75	13.69	13.74	15.00
100	MID	64QAM	13.99	13.85	13.86	15.00	
	HIGH	64QAM	13.93	13.68	13.64	15.00	
	LOW	64QAM	13.85	13.68	13.71	15.00	

8.4.1 LTE Band2 Uplink CA Output Power

LTE Uplink 2CA_ Band 2-ANT2 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
18700	18898	20	QPSK	1	High	1	Low	2	14.73	16.00
18900	19098	20	QPSK	1	High	1	Low	2	14.81	16.00
19100	18902	20	QPSK	1	Low	1	High	2	14.79	16.00

LTE Uplink 2CA_ Band 2-ANT0 Full Power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
18700	18898	20	QPSK	1	High	1	Low	2	14.39	16.00
18900	19098	20	QPSK	1	High	1	Low	2	14.43	16.00
19100	18902	20	QPSK	1	Low	1	High	2	14.34	16.00

8.4.2 LTE Band5 Uplink CA Output Power

LTE Uplink 2CA_ Band 5-ANT2 Full Power										
Combination 10MHz+10MHz(50RB+50RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20450	20549	10	QPSK	1	High	1	Low	2	22.80	23.50
20476	20575	10	QPSK	1	High	1	Low	2	22.89	23.50
20600	20501	10	QPSK	1	Low	1	High	2	22.85	23.50

LTE Uplink 2CA_ Band 5-ANT0 Full Power										
Combination 10MHz+10MHz(50RB+50RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20450	20549	10	QPSK	1	High	1	Low	2	22.43	24.00
20476	20575	10	QPSK	1	High	1	Low	2	22.51	24.00
20600	20501	10	QPSK	1	Low	1	High	2	22.47	24.00

8.4.3 LTE Band7 Uplink CA Output Power

LTE Uplink 2CA_Band 7-ANT2 Full Power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	15.00	16.00
21100	21298	20	QPSK	1	High	1	Low	2	14.92	16.00
21350	21152	20	QPSK	1	Low	1	High	2	14.95	16.00

LTE Uplink 2CA_Band 7-ANT0 Full Power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	13.97	15.00
21100	21298	20	QPSK	1	High	1	Low	2	13.81	15.00
21350	21152	20	QPSK	1	Low	1	High	2	13.72	15.00

8.4.4 LTE Band38 Uplink CA Output Power

LTE Uplink 2CA Band 38-ANT2-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	18.15	19.00
38099	37901	20	QPSK	1	Low	1	High	2	18.04	19.00
38150	37952	20	QPSK	1	Low	1	High	2	17.92	19.00

LTE Uplink 2CA Band 38-ANT0-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	16.85	18.00
38099	37901	20	QPSK	1	Low	1	High	2	16.68	18.00
38150	37952	20	QPSK	1	Low	1	High	2	16.55	18.00

8.4.5 LTE Band41 Uplink CA Output Power

LTE Uplink 2CA Band 41-ANT2-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
40140	40338	20	QPSK	1	High	1	Low	2	17.97	19.00
40640	40838	20	QPSK	1	High	1	Low	2	18.01	19.00
41140	40942	20	QPSK	1	Low	1	High	2	18.02	19.00

LTE Uplink 2CA Band 41-ANT0-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
40140	40338	20	QPSK	1	High	1	Low	2	16.85	18.00
40640	40838	20	QPSK	1	High	1	Low	2	16.67	18.00
41140	40942	20	QPSK	1	Low	1	High	2	16.57	18.00