

8 CONDUCTED RF OUPUT POWER

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8.1 GSM Output Power

GSM-Full Power-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	
GPRS (GMSK, 1-Slot)	32.12	32.16	32.07	33.50	9.19	22.93	22.97	22.88	24.31
GPRS (GMSK, 2-Slots)	31.16	31.18	31.07	32.50	6.13	25.03	25.05	24.94	26.37
GPRS (GMSK, 3-Slots)	29.23	29.28	29.17	30.50	4.42	24.81	24.86	24.75	26.08
GPRS (GMSK, 4-Slots)	27.94	27.98	27.88	29.50	3.18	24.76	24.80	24.70	26.32
EGPRS (8PSK, 1-Slot)	26.98	27.09	26.94	28.50	9.19	17.79	17.90	17.75	19.31
EGPRS (8PSK, 2-Slots)	25.70	25.74	25.80	27.50	6.13	19.57	19.61	19.67	21.37
EGPRS (8PSK, 3-Slots)	23.50	23.69	23.61	25.50	4.42	19.08	19.27	19.19	21.08
EGPRS (8PSK, 4-Slots)	22.28	22.42	22.43	23.50	3.18	19.10	19.24	19.25	20.32
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	
GPRS (GMSK, 1-Slot)	29.15	29.19	29.02	31.00	9.19	19.96	20.00	19.83	21.81
GPRS (GMSK, 2-Slots)	28.12	28.13	28.11	30.00	6.13	21.99	22.00	21.98	23.87
GPRS (GMSK, 3-Slots)	26.18	26.15	26.11	28.00	4.42	21.76	21.73	21.69	23.58
GPRS (GMSK, 4-Slots)	24.94	24.87	24.60	26.00	3.18	21.76	21.69	21.42	22.82
EGPRS (8PSK, 1-Slot)	25.98	25.99	26.08	27.50	9.19	16.79	16.80	16.89	18.31
EGPRS (8PSK, 2-Slots)	24.89	24.82	24.69	26.50	6.13	18.76	18.69	18.56	20.37
EGPRS (8PSK, 3-Slots)	22.67	22.65	22.63	24.50	4.42	18.25	18.23	18.21	20.08
EGPRS (8PSK, 4-Slots)	21.40	21.47	21.41	23.00	3.18	18.22	18.29	18.23	19.82

8.1 GSM Output Power

GSM-Level 1&2-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	
GPRS (GMSK, 1-Slot)	26.03	26.07	26.22	27.50	9.19	16.84	16.88	17.03	18.31
GPRS (GMSK, 2-Slots)	25.12	25.29	24.89	26.50	6.13	18.99	19.16	18.76	20.37
GPRS (GMSK, 3-Slots)	23.21	23.36	23.20	24.50	4.42	18.79	18.94	18.78	20.08
GPRS (GMSK, 4-Slots)	21.97	21.99	21.73	23.50	3.18	18.79	18.81	18.55	20.32
EGPRS (8PSK, 1-Slot)	21.12	21.17	21.08	22.50	9.19	11.93	11.98	11.89	13.31
EGPRS (8PSK, 2-Slots)	19.65	19.60	19.94	21.50	6.13	13.52	13.47	13.81	15.37
EGPRS (8PSK, 3-Slots)	17.65	17.89	17.61	19.50	4.42	13.23	13.47	13.19	15.08
EGPRS (8PSK, 4-Slots)	16.26	16.43	16.45	17.50	3.18	13.08	13.25	13.27	14.32
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	
GPRS (GMSK, 1-Slot)	20.75	20.77	20.83	21.00	9.19	11.56	11.58	11.64	11.81
GPRS (GMSK, 2-Slots)	19.79	19.80	19.76	20.00	6.13	13.66	13.67	13.63	13.87
GPRS (GMSK, 3-Slots)	17.82	17.77	17.82	18.00	4.42	13.40	13.35	13.40	13.58
GPRS (GMSK, 4-Slots)	15.84	15.81	15.81	16.00	3.18	12.66	12.63	12.63	12.82
EGPRS (8PSK, 1-Slot)	17.30	17.26	17.29	17.50	9.19	8.11	8.07	8.10	8.31
EGPRS (8PSK, 2-Slots)	16.27	16.31	16.27	16.50	6.13	10.14	10.18	10.14	10.37
EGPRS (8PSK, 3-Slots)	14.26	14.33	14.34	14.50	4.42	9.84	9.91	9.92	10.08
EGPRS (8PSK, 4-Slots)	12.80	12.82	12.75	13.00	3.18	9.62	9.64	9.57	9.82

WCDMA-Full Power-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	23.34	23.28	23.30	23.50
HSDPA Subtest-1	22.41	22.31	22.37	23.50
HSDPA Subtest-2	22.11	22.26	22.40	23.50
HSDPA Subtest-3	21.61	21.81	21.97	23.00
HSDPA Subtest-4	21.83	21.75	21.95	23.00
DC-HSDPA Subtest-1	22.54	22.33	22.52	23.50
DC-HSDPA Subtest-2	21.98	22.36	22.43	23.50
DC-HSDPA Subtest-3	21.42	21.76	22.04	23.00
DC-HSDPA Subtest-4	21.67	21.79	22.05	23.00
HSUPA Subtest-1	20.20	20.32	20.44	22.00
HSUPA Subtest-2	20.32	20.35	20.42	21.50
HSUPA Subtest-3	21.44	21.30	21.18	22.50
HSUPA Subtest-4	20.03	19.84	19.87	21.00
HSUPA Subtest-5	21.37	21.26	21.24	22.50
HSPA+	20.39	20.25	20.49	21.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	23.49	23.42	23.40	25.00
HSDPA Subtest-1	22.35	22.46	22.52	24.00
HSDPA Subtest-2	22.24	22.44	22.60	24.00
HSDPA Subtest-3	22.13	21.98	22.14	23.50
HSDPA Subtest-4	22.10	21.96	21.95	23.50
DC-HSDPA Subtest-1	22.52	22.62	22.38	24.00
DC-HSDPA Subtest-2	22.24	22.63	22.51	24.00
DC-HSDPA Subtest-3	22.05	21.96	22.19	23.50
DC-HSDPA Subtest-4	22.24	22.15	21.79	23.50
HSUPA Subtest-1	20.35	20.22	20.09	22.00
HSUPA Subtest-2	20.46	20.47	20.39	22.00
HSUPA Subtest-3	21.61	21.43	21.54	23.00
HSUPA Subtest-4	20.13	19.99	20.05	21.50
HSUPA Subtest-5	21.24	21.42	21.30	23.00
HSPA+	20.26	20.63	20.30	22.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	23.49	23.40	23.42	25.00
HSDPA Subtest-1	22.53	22.41	22.26	24.00
HSDPA Subtest-2	22.22	22.38	22.45	24.00
HSDPA Subtest-3	22.03	21.94	22.11	23.50
HSDPA Subtest-4	21.87	21.96	22.08	23.50
DC-HSDPA Subtest-1	22.33	22.58	22.17	24.00
DC-HSDPA Subtest-2	22.19	22.49	22.60	24.00
DC-HSDPA Subtest-3	22.15	22.02	22.15	23.50
DC-HSDPA Subtest-4	21.83	21.90	22.23	23.50
HSUPA Subtest-1	20.09	20.17	20.15	22.00
HSUPA Subtest-2	20.36	20.45	20.65	22.00
HSUPA Subtest-3	21.40	21.45	21.57	23.00
HSUPA Subtest-4	19.97	19.96	19.93	21.50
HSUPA Subtest-5	21.31	21.40	21.42	23.00
HSPA+	20.34	20.49	20.82	22.00

WCDMA-Level1&2-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	14.12	14.14	14.12	14.50
HSDPA Subtest-1	14.21	14.12	14.27	14.50
HSDPA Subtest-2	14.01	13.98	13.94	14.50
HSDPA Subtest-3	13.37	13.45	13.55	14.00
HSDPA Subtest-4	13.79	13.65	13.47	14.00
DC-HSDPA Subtest-1	14.38	14.23	14.16	14.50
DC-HSDPA Subtest-2	14.14	13.83	13.86	14.50
DC-HSDPA Subtest-3	13.39	13.36	13.70	14.00
DC-HSDPA Subtest-4	13.92	13.78	13.54	14.00
HSUPA Subtest-1	12.58	12.64	12.50	13.00
HSUPA Subtest-2	12.10	11.99	11.84	12.50
HSUPA Subtest-3	12.92	13.09	12.92	13.50
HSUPA Subtest-4	11.51	11.48	11.53	12.00
HSUPA Subtest-5	13.03	12.99	13.15	13.50
HSPA+	12.22	11.92	11.74	12.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	16.59	16.79	16.70	17.00
HSDPA Subtest-1	15.97	15.79	15.92	16.00
HSDPA Subtest-2	15.77	15.68	15.62	16.00
HSDPA Subtest-3	15.33	15.17	14.97	15.50
HSDPA Subtest-4	15.28	15.34	15.17	15.50
DC-HSDPA Subtest-1	15.88	15.82	15.95	16.00
DC-HSDPA Subtest-2	15.73	15.53	15.75	16.00
DC-HSDPA Subtest-3	15.34	15.34	15.16	15.50
DC-HSDPA Subtest-4	15.25	15.27	15.17	15.50
HSUPA Subtest-1	13.88	13.83	13.63	14.00
HSUPA Subtest-2	13.98	13.81	13.66	14.00
HSUPA Subtest-3	14.51	14.60	14.59	15.00
HSUPA Subtest-4	13.38	13.31	13.45	13.50
HSUPA Subtest-5	14.87	14.73	14.61	15.00
HSPA+	13.82	13.94	13.62	14.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	19.26	19.36	19.16	20.00
HSDPA Subtest-1	18.41	18.23	18.11	19.00
HSDPA Subtest-2	18.24	18.15	18.20	19.00
HSDPA Subtest-3	17.87	17.72	17.57	18.50
HSDPA Subtest-4	17.94	17.77	17.86	18.50
DC-HSDPA Subtest-1	18.46	18.09	17.92	19.00
DC-HSDPA Subtest-2	18.32	18.23	18.01	19.00
DC-HSDPA Subtest-3	18.07	17.73	17.54	18.50
DC-HSDPA Subtest-4	18.08	17.77	17.71	18.50
HSUPA Subtest-1	16.24	16.39	16.54	17.00
HSUPA Subtest-2	16.18	16.22	16.15	17.00
HSUPA Subtest-3	17.51	17.37	17.39	18.00
HSUPA Subtest-4	15.69	15.80	15.87	16.50
HSUPA Subtest-5	17.11	17.20	17.15	18.00
HSPA+	16.15	16.30	16.21	17.00

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.57	22.61	22.52	23.50
		MID	QPSK	22.99	23.11	23.16	23.50
		HIGH	QPSK	22.59	22.62	22.68	23.50
	3	LOW	QPSK	22.78	22.55	22.45	23.50
		MID	QPSK	23.01	23.17	23.19	23.50
		HIGH	QPSK	22.84	22.63	22.60	23.50
	6	LOW	QPSK	22.03	21.77	21.96	22.50
1.4	1	LOW	Q16	21.87	21.78	21.91	22.50
		MID	Q16	21.90	21.84	22.09	22.50
		HIGH	Q16	21.97	21.98	21.82	22.50
	3	LOW	Q16	22.11	21.93	21.92	22.50
		MID	Q16	22.08	21.95	21.99	22.50
		HIGH	Q16	22.08	21.98	21.86	22.50
	6	LOW	Q16	21.13	20.85	21.14	21.50
1.4	1	LOW	64QAM	20.83	20.91	21.01	21.50
		MID	64QAM	21.02	20.86	21.06	21.50
		HIGH	64QAM	21.02	21.04	20.83	21.50
	3	LOW	64QAM	21.04	21.08	20.99	21.50
		MID	64QAM	20.97	20.81	21.06	21.50
		HIGH	64QAM	20.97	20.84	20.77	21.50
	6	LOW	64QAM	20.19	19.70	20.16	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.72	22.58	22.60	23.50
		MID	QPSK	23.00	23.11	23.19	23.50
		HIGH	QPSK	22.73	22.72	22.78	23.50
	8	LOW	QPSK	22.08	21.95	21.93	22.50
		MID	QPSK	21.93	22.06	22.13	22.50
		HIGH	QPSK	21.98	21.93	22.02	22.50
	15	LOW	QPSK	21.93	21.75	22.07	22.50
3	1	LOW	Q16	22.10	22.19	21.92	22.50
		MID	Q16	22.29	22.30	22.47	22.50
		HIGH	Q16	22.23	21.95	21.89	22.50
	8	LOW	Q16	21.19	20.88	21.11	21.50
		MID	Q16	20.97	20.87	20.92	21.50
		HIGH	Q16	21.20	20.89	21.04	21.50
	15	LOW	Q16	21.17	20.98	21.08	21.50
3	1	LOW	64QAM	21.25	21.30	21.18	21.50
		MID	64QAM	21.27	21.21	21.37	21.50
		HIGH	64QAM	21.37	20.93	21.26	21.50
	8	LOW	64QAM	20.12	19.74	20.01	20.50
		MID	64QAM	20.01	19.81	20.22	20.50
		HIGH	64QAM	20.05	20.22	20.04	20.50
	15	LOW	64QAM	20.14	19.94	20.20	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.76	22.74	22.66	23.50
		MID	QPSK	22.94	23.20	22.93	23.50
		HIGH	QPSK	22.81	22.60	22.57	23.50
	12	LOW	QPSK	21.86	22.02	21.89	22.50
		MID	QPSK	22.08	22.06	21.87	22.50
		HIGH	QPSK	22.13	21.94	22.07	22.50
	25	LOW	QPSK	21.85	21.78	22.05	22.50
5	1	LOW	Q16	22.07	22.24	22.11	22.50
		MID	Q16	22.25	22.34	22.43	22.50
		HIGH	Q16	22.13	22.05	21.99	22.50
	12	LOW	Q16	20.93	21.07	20.95	21.50
		MID	Q16	21.06	20.95	21.02	21.50
		HIGH	Q16	20.97	20.98	20.91	21.50
	25	LOW	Q16	21.11	20.83	20.93	21.50
5	1	LOW	64QAM	21.14	21.05	21.03	21.50
		MID	64QAM	21.38	21.50	21.25	21.50
		HIGH	64QAM	21.23	20.91	21.20	21.50
	12	LOW	64QAM	20.08	19.90	20.07	20.50
		MID	64QAM	19.84	19.83	20.10	20.50
		HIGH	64QAM	20.16	20.21	19.97	20.50
	25	LOW	64QAM	20.12	19.95	20.18	20.50

LTE B2-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.70	22.56	22.49	23.50
		MID	QPSK	22.99	22.96	22.91	23.50
		HIGH	QPSK	22.82	22.60	22.48	23.50
	25	LOW	QPSK	21.86	21.89	22.00	22.50
		MID	QPSK	21.91	21.96	22.12	22.50
		HIGH	QPSK	22.10	21.89	21.96	22.50
	50	LOW	QPSK	22.03	21.75	21.82	22.50
	10	LOW	Q16	22.14	22.27	21.97	22.50
		MID	Q16	22.34	22.26	22.37	22.50
		HIGH	Q16	22.17	22.00	22.05	22.50
		LOW	Q16	20.96	20.99	21.13	21.50
		MID	Q16	21.12	21.08	21.04	21.50
		HIGH	Q16	21.15	20.94	20.96	21.50
	50	LOW	Q16	21.02	20.79	21.14	21.50
10	1	LOW	64QAM	21.20	21.09	20.93	21.50
		MID	64QAM	21.35	21.22	21.48	21.50
		HIGH	64QAM	21.35	20.80	21.17	21.50
	25	LOW	64QAM	20.19	19.75	20.05	20.50
		MID	64QAM	19.92	19.96	20.13	20.50
		HIGH	64QAM	20.18	20.20	19.75	20.50
	50	LOW	64QAM	20.11	19.89	20.22	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.56	22.65	22.68	23.50
		MID	QPSK	23.19	22.95	22.91	23.50
		HIGH	QPSK	22.62	22.58	22.75	23.50
	36	LOW	QPSK	22.11	21.87	22.15	22.50
		MID	QPSK	21.99	21.93	21.84	22.50
		HIGH	QPSK	21.97	21.80	22.05	22.50
	75	LOW	QPSK	22.02	21.98	22.05	22.50
	15	LOW	Q16	22.30	22.07	22.10	22.50
		MID	Q16	22.31	22.47	22.31	22.50
		HIGH	Q16	22.18	22.00	21.94	22.50
		LOW	Q16	21.15	20.84	20.93	21.50
		MID	Q16	20.97	20.90	20.96	21.50
		HIGH	Q16	21.07	20.98	20.84	21.50
	75	LOW	Q16	21.16	20.96	21.01	21.50
15	1	LOW	64QAM	20.98	21.28	21.10	21.50
		MID	64QAM	21.46	21.34	21.23	21.50
		HIGH	64QAM	21.18	20.83	20.98	21.50
	36	LOW	64QAM	20.27	19.91	20.08	20.50
		MID	64QAM	19.82	19.86	20.14	20.50
		HIGH	64QAM	20.26	20.13	19.97	20.50
	75	LOW	64QAM	20.10	19.77	20.23	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.64	22.68	22.60	23.50
		MID	QPSK	23.08	23.10	23.04	23.50
		HIGH	QPSK	22.71	22.67	22.63	23.50
	50	LOW	QPSK	21.96	21.91	21.93	22.50
		MID	QPSK	21.95	21.97	21.94	22.50
		HIGH	QPSK	21.91	21.93	21.96	22.50
	100	LOW	QPSK	22.00	21.90	21.97	22.50
	20	LOW	Q16	22.17	22.13	22.07	22.50
		MID	Q16	22.31	22.21	22.47	22.50
		HIGH	Q16	22.26	22.08	22.00	22.50
		LOW	Q16	21.04	20.95	21.02	21.50
		MID	Q16	21.02	21.00	20.99	21.50
		HIGH	Q16	21.05	20.94	20.95	21.50
	100	LOW	Q16	21.03	20.91	20.99	21.50
20	1	LOW	64QAM	21.10	21.19	21.08	21.50
		MID	64QAM	21.23	21.22	21.23	21.50
		HIGH	64QAM	21.22	20.95	21.12	21.50
	50	LOW	64QAM	20.16	19.83	19.99	20.50
		MID	64QAM	19.93	19.94	20.12	20.50
		HIGH	64QAM	20.19	20.09	19.89	20.50
	100	LOW	64QAM	20.11	19.86	20.13	20.50

8.3.1 LTE Band2 Output Power

LTE B2-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	13.01	12.84	12.87	13.50
		MID	QPSK	12.73	12.97	12.77	13.50
		HIGH	QPSK	12.84	12.66	12.71	13.50
	3	LOW	QPSK	12.86	12.97	12.86	13.50
		MID	QPSK	12.87	12.70	13.01	13.50
		HIGH	QPSK	12.73	12.77	12.71	13.50
	6	LOW	QPSK	12.95	12.70	12.83	13.50
		MID	Q16	12.66	12.70	12.95	13.50
		HIGH	Q16	12.59	12.67	12.90	13.50
1.4	1	LOW	Q16	12.79	12.78	12.72	13.50
		MID	Q16	13.06	12.77	13.04	13.50
		HIGH	Q16	12.68	12.98	12.78	13.50
	3	LOW	Q16	12.98	12.83	12.85	13.50
		MID	Q16	12.86	12.65	12.73	13.50
		HIGH	Q16	12.61	12.70	12.89	13.50
	6	LOW	64QAM	12.56	12.77	12.91	13.50
		MID	64QAM	12.84	12.71	12.82	13.50
		HIGH	64QAM	13.12	12.81	13.03	13.50
1.4	1	LOW	64QAM	12.58	12.96	12.80	13.50
		MID	64QAM	12.85	12.95	12.73	13.50
		HIGH	64QAM	12.96	12.76	12.72	13.50
	3	LOW	64QAM	12.95	12.61	12.74	13.50
		MID	64QAM	12.87	12.82	12.68	13.50
		HIGH	64QAM	12.72	12.75	12.91	13.50
	6	LOW	64QAM	12.81	13.07	12.98	13.50
		MID	64QAM	12.92	13.04	12.88	13.50
		HIGH	64QAM	12.98	12.64	12.73	13.50
3	1	LOW	64QAM	12.89	12.91	13.05	13.50
		MID	64QAM	12.89	12.91	13.05	13.50
		HIGH	64QAM	12.89	12.91	13.05	13.50
	8	LOW	Q16	12.66	12.74	12.72	13.50
		MID	Q16	12.78	12.79	12.68	13.50
		HIGH	Q16	12.91	12.98	12.96	13.50
	15	LOW	Q16	12.85	12.62	12.92	13.50
		MID	Q16	12.73	12.76	12.99	13.50
		HIGH	Q16	12.76	12.70	12.89	13.50
3	1	LOW	Q16	12.77	12.86	12.71	13.50
		MID	Q16	12.95	12.61	12.74	13.50
		HIGH	Q16	12.87	12.82	12.68	13.50
	8	LOW	64QAM	12.81	13.07	12.98	13.50
		MID	64QAM	12.92	13.04	12.88	13.50
		HIGH	64QAM	12.98	12.64	12.73	13.50
	15	LOW	64QAM	12.89	12.91	13.05	13.50
		MID	64QAM	12.89	12.91	13.05	13.50
		HIGH	64QAM	12.89	12.91	13.05	13.50
5	1	LOW	QPSK	12.89	12.76	12.63	13.50
		MID	QPSK	12.71	12.85	12.82	13.50
		HIGH	QPSK	12.80	12.85	12.67	13.50
	12	LOW	QPSK	12.79	12.81	12.81	13.50
		MID	QPSK	12.63	12.87	12.93	13.50
		HIGH	QPSK	12.74	12.60	12.59	13.50
	25	LOW	QPSK	12.74	12.82	12.70	13.50
		MID	Q16	12.64	12.76	12.81	13.50
		HIGH	Q16	12.81	12.66	12.77	13.50
5	1	LOW	Q16	13.02	12.71	12.90	13.50
		MID	Q16	13.00	12.84	12.87	13.50
		HIGH	Q16	12.68	12.70	12.90	13.50
	12	LOW	Q16	12.71	12.72	12.71	13.50
		MID	Q16	12.81	12.63	12.83	13.50
		HIGH	Q16	12.94	12.63	12.77	13.50
	25	LOW	64QAM	12.70	12.95	12.65	13.50
		MID	64QAM	12.74	12.87	12.79	13.50
		HIGH	64QAM	12.77	12.87	12.93	13.50
5	1	LOW	64QAM	12.82	12.80	12.78	13.50
		MID	64QAM	13.06	12.67	12.58	13.50
		HIGH	64QAM	12.94	12.76	12.83	13.50
	12	LOW	64QAM	12.94	12.76	12.83	13.50
		MID	64QAM	12.94	12.76	12.83	13.50
		HIGH	64QAM	12.94	12.76	12.83	13.50
	25	LOW	64QAM	12.94	12.76	12.83	13.50
		MID	64QAM	12.94	12.76	12.83	13.50
		HIGH	64QAM	12.94	12.76	12.83	13.50

LTE B2-Level1&2 -Ant.1								
Bandwidth (M	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	13.03	12.97	12.63	13.50	
		MID	QPSK	12.76	13.01	12.71	13.50	
		HIGH	QPSK	12.95	12.82	12.77	13.50	
	25	LOW	QPSK	12.87	12.94	12.95	13.50	
		MID	QPSK	12.63	12.67	12.89	13.50	
		HIGH	QPSK	12.85	12.78	12.64	13.50	
	50	LOW	QPSK	12.87	12.64	12.64	13.50	
	10	1	LOW	Q16	12.71	12.86	12.97	13.50
			MID	Q16	12.71	12.77	12.75	13.50
HIGH			Q16	12.78	12.89	12.86	13.50	
25		LOW	Q16	13.02	12.84	12.81	13.50	
		MID	Q16	12.64	12.86	12.74	13.50	
		HIGH	Q16	12.74	12.98	12.72	13.50	
50		LOW	Q16	12.77	12.79	12.87	13.50	
10		1	LOW	64QAM	12.97	12.59	12.68	13.50
			MID	64QAM	12.86	12.91	12.56	13.50
	HIGH		64QAM	12.65	12.90	12.89	13.50	
	25	LOW	64QAM	12.80	12.97	12.71	13.50	
		MID	64QAM	12.98	12.98	12.72	13.50	
		HIGH	64QAM	13.06	12.69	12.57	13.50	
	50	LOW	64QAM	13.05	12.68	13.04	13.50	
	Bandwidth (M	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	13.02	12.90	12.85	13.50
MID			QPSK	12.74	12.88	12.93	13.50	
HIGH			QPSK	12.81	12.75	12.88	13.50	
36		LOW	QPSK	12.96	12.95	12.97	13.50	
		MID	QPSK	12.65	12.69	12.92	13.50	
		HIGH	QPSK	12.86	12.85	12.84	13.50	
75		LOW	QPSK	12.99	12.66	12.67	13.50	
15		1	LOW	Q16	12.71	12.80	12.80	13.50
			MID	Q16	12.79	12.63	12.76	13.50
	HIGH		Q16	13.03	12.95	12.85	13.50	
	36	LOW	Q16	13.05	12.76	12.95	13.50	
		MID	Q16	12.80	12.97	13.00	13.50	
		HIGH	Q16	12.86	12.69	12.72	13.50	
	75	LOW	Q16	12.75	12.74	12.74	13.50	
	15	1	LOW	64QAM	12.92	12.75	12.98	13.50
			MID	64QAM	12.90	12.72	12.80	13.50
HIGH			64QAM	12.60	12.82	12.71	13.50	
36		LOW	64QAM	12.66	12.99	12.71	13.50	
		MID	64QAM	12.80	13.06	12.75	13.50	
		HIGH	64QAM	12.82	12.82	12.55	13.50	
75		LOW	64QAM	12.93	12.80	13.06	13.50	
Bandwidth (M		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	12.91	12.88	12.75	13.50
	MID		QPSK	12.65	12.95	12.84	13.50	
	HIGH		QPSK	12.83	12.80	12.77	13.50	
	50	LOW	QPSK	12.91	12.95	12.90	13.50	
		MID	QPSK	12.76	12.72	12.88	13.50	
		HIGH	QPSK	12.74	12.74	12.72	13.50	
	100	LOW	QPSK	12.74	12.85	12.71	13.50	
	20	1	LOW	Q16	12.71	12.76	12.84	13.50
			MID	Q16	12.70	12.78	12.79	13.50
HIGH			Q16	12.90	12.86	12.86	13.50	
50		LOW	Q16	12.92	12.76	12.89	13.50	
		MID	Q16	12.67	12.85	12.89	13.50	
		HIGH	Q16	12.84	12.73	12.84	13.50	
100		LOW	Q16	12.84	12.74	12.80	13.50	
20		1	LOW	64QAM	12.95	12.74	12.83	13.50
			MID	64QAM	12.82	12.87	12.71	13.50
	HIGH		64QAM	12.70	12.75	12.84	13.50	
	50	LOW	64QAM	12.74	12.95	12.84	13.50	
		MID	64QAM	12.87	12.92	12.81	13.50	
		HIGH	64QAM	12.94	12.76	12.69	13.50	
	100	LOW	64QAM	12.90	12.81	12.94	13.50	

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.62	22.94	22.76	24.50
		MID	QPSK	23.29	23.34	23.17	24.50
		HIGH	QPSK	22.95	22.77	22.80	24.50
	3	LOW	QPSK	22.66	22.78	22.78	24.50
		MID	QPSK	23.40	23.19	23.40	24.50
		HIGH	QPSK	22.93	22.78	22.90	24.50
6	LOW	QPSK	22.19	22.16	22.14	23.50	
1.4	1	LOW	Q16	22.28	22.51	22.20	23.50
		MID	Q16	22.76	22.89	22.81	23.50
		HIGH	Q16	22.46	22.37	22.19	23.50
	3	LOW	Q16	22.19	22.42	22.22	23.50
		MID	Q16	22.65	22.79	22.81	23.50
		HIGH	Q16	22.42	22.34	22.30	23.50
6	LOW	Q16	21.21	21.45	21.31	22.50	
1.4	1	LOW	64QAM	21.34	21.47	21.14	22.50
		MID	64QAM	21.62	21.85	21.69	22.50
		HIGH	64QAM	21.59	21.46	21.13	22.50
	3	LOW	64QAM	21.10	21.39	21.37	22.50
		MID	64QAM	21.58	21.72	21.87	22.50
		HIGH	64QAM	21.27	21.43	21.29	22.50
6	LOW	64QAM	20.07	20.47	20.44	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.82	22.88	22.63	24.50
		MID	QPSK	23.34	23.22	23.37	24.50
		HIGH	QPSK	22.80	22.68	22.83	24.50
	8	LOW	QPSK	22.12	21.94	21.95	23.50
		MID	QPSK	22.20	22.07	22.10	23.50
		HIGH	QPSK	22.02	22.06	22.15	23.50
15	LOW	QPSK	22.16	22.16	22.17	23.50	
3	1	LOW	Q16	22.38	22.21	22.34	23.50
		MID	Q16	22.81	22.69	22.71	23.50
		HIGH	Q16	22.35	22.29	22.19	23.50
	8	LOW	Q16	21.14	21.07	20.86	22.50
		MID	Q16	21.09	21.32	21.27	22.50
		HIGH	Q16	21.13	21.15	21.25	22.50
15	LOW	Q16	21.06	21.23	21.07	22.50	
3	1	LOW	64QAM	21.48	21.39	21.33	22.50
		MID	64QAM	21.82	21.87	21.62	22.50
		HIGH	64QAM	21.23	21.43	21.14	22.50
	8	LOW	64QAM	20.01	20.38	19.82	21.50
		MID	64QAM	20.26	20.23	20.17	21.50
		HIGH	64QAM	20.06	20.29	20.34	21.50
15	LOW	64QAM	20.03	20.25	20.02	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.67	22.92	22.63	24.50
		MID	QPSK	23.37	23.19	23.23	24.50
		HIGH	QPSK	22.81	22.89	22.75	24.50
	12	LOW	QPSK	22.05	22.10	21.94	23.50
		MID	QPSK	22.20	22.07	22.20	23.50
		HIGH	QPSK	22.06	22.17	21.97	23.50
25	LOW	QPSK	22.13	22.24	22.13	23.50	
5	1	LOW	Q16	22.34	22.35	22.30	23.50
		MID	Q16	22.68	22.86	22.75	23.50
		HIGH	Q16	22.26	22.51	22.14	23.50
	12	LOW	Q16	21.14	21.00	20.98	22.50
		MID	Q16	21.34	21.23	21.27	22.50
		HIGH	Q16	21.07	21.12	21.02	22.50
25	LOW	Q16	21.11	21.26	21.06	22.50	
5	1	LOW	64QAM	21.24	21.36	21.19	22.50
		MID	64QAM	21.86	22.11	21.68	22.50
		HIGH	64QAM	21.48	21.28	21.30	22.50
	12	LOW	64QAM	20.07	20.31	19.84	21.50
		MID	64QAM	20.15	20.18	20.31	21.50
		HIGH	64QAM	20.03	20.01	20.22	21.50
25	LOW	64QAM	20.15	20.28	20.09	21.50	

LTE B4-Full Power -Ant.1								
Bandwidth (M	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	22.90	22.95	22.73	24.50	
		MID	QPSK	23.29	23.27	23.16	24.50	
		HIGH	QPSK	22.68	22.85	22.94	24.50	
	25	LOW	QPSK	22.13	22.24	22.05	23.50	
		MID	QPSK	22.10	22.29	22.26	23.50	
		HIGH	QPSK	21.96	22.21	21.98	23.50	
	50	LOW	QPSK	22.04	22.16	21.91	23.50	
	10	1	LOW	Q16	22.26	22.48	22.16	23.50
			MID	Q16	22.83	22.68	22.57	23.50
HIGH			Q16	22.36	22.44	22.10	23.50	
25		LOW	Q16	21.21	21.26	21.07	22.50	
		MID	Q16	21.18	21.31	21.22	22.50	
		HIGH	Q16	21.24	21.28	21.20	22.50	
50		LOW	Q16	21.22	21.23	21.21	22.50	
10		1	LOW	64QAM	21.44	21.41	21.31	22.50
			MID	64QAM	21.72	21.84	21.50	22.50
	HIGH		64QAM	21.28	21.46	21.30	22.50	
	25	LOW	64QAM	20.19	20.25	19.82	21.50	
		MID	64QAM	20.11	20.29	20.39	21.50	
		HIGH	64QAM	19.97	20.30	20.16	21.50	
	50	LOW	64QAM	19.97	20.34	19.94	21.50	
	Bandwidth (M	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	22.69	22.68	22.68	24.50
MID			QPSK	23.18	23.15	23.14	24.50	
HIGH			QPSK	22.90	22.64	22.77	24.50	
36		LOW	QPSK	22.30	22.24	21.98	23.50	
		MID	QPSK	22.12	22.12	22.15	23.50	
		HIGH	QPSK	22.21	22.10	22.10	23.50	
75		LOW	QPSK	22.25	22.25	21.94	23.50	
15		1	LOW	Q16	22.33	22.50	22.20	23.50
			MID	Q16	22.83	22.84	22.71	23.50
	HIGH		Q16	22.34	22.38	22.30	23.50	
	36	LOW	Q16	21.28	21.08	20.90	22.50	
		MID	Q16	21.26	21.18	21.09	22.50	
		HIGH	Q16	21.20	21.22	21.17	22.50	
	75	LOW	Q16	21.00	21.08	20.97	22.50	
	15	1	LOW	64QAM	21.47	21.26	21.03	22.50
			MID	64QAM	21.73	22.10	21.63	22.50
HIGH			64QAM	21.48	21.38	21.33	22.50	
36		LOW	64QAM	19.94	20.19	19.90	21.50	
		MID	64QAM	20.10	20.14	20.26	21.50	
		HIGH	64QAM	20.05	20.15	20.35	21.50	
75		LOW	64QAM	19.98	20.06	20.14	21.50	
Bandwidth (M		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	22.77	22.80	22.77	24.50
	MID		QPSK	23.27	23.26	23.23	24.50	
	HIGH		QPSK	22.82	22.79	22.82	24.50	
	50	LOW	QPSK	22.15	22.09	21.94	23.50	
		MID	QPSK	22.12	22.18	22.14	23.50	
		HIGH	QPSK	22.11	22.18	22.11	23.50	
	100	LOW	QPSK	22.16	22.12	22.02	23.50	
	20	1	LOW	Q16	22.24	22.36	22.25	23.50
			MID	Q16	22.76	22.81	22.68	23.50
HIGH			Q16	22.33	22.36	22.24	23.50	
50		LOW	Q16	21.13	21.13	20.98	22.50	
		MID	Q16	21.20	21.19	21.14	22.50	
		HIGH	Q16	21.12	21.21	21.12	22.50	
100		LOW	Q16	21.15	21.20	21.08	22.50	
20		1	LOW	64QAM	21.34	21.35	21.18	22.50
			MID	64QAM	21.78	21.96	21.61	22.50
	HIGH		64QAM	21.33	21.34	21.27	22.50	
	50	LOW	64QAM	20.05	20.25	19.95	21.50	
		MID	64QAM	20.19	20.16	20.28	21.50	
		HIGH	64QAM	20.00	20.15	20.25	21.50	
	100	LOW	64QAM	20.06	20.20	19.99	21.50	

LTE B4-Level1&2 -Ant.1							
Bandwidth (Mh)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	14.13	13.72	14.06	14.50
		MID	QPSK	13.96	13.98	13.98	14.50
		HIGH	QPSK	13.95	14.06	13.90	14.50
	3	LOW	QPSK	14.04	14.12	13.93	14.50
		MID	QPSK	13.96	14.11	14.03	14.50
		HIGH	QPSK	13.94	14.07	13.99	14.50
6	LOW	QPSK	13.94	13.91	14.10	14.50	
1.4	1	LOW	Q16	14.17	14.14	14.15	14.50
		MID	Q16	14.09	13.79	14.09	14.50
		HIGH	Q16	13.91	13.79	14.02	14.50
	3	LOW	Q16	13.96	14.12	14.00	14.50
		MID	Q16	13.81	14.14	13.99	14.50
		HIGH	Q16	13.98	13.88	13.97	14.50
6	LOW	Q16	13.75	13.82	14.01	14.50	
1.4	1	LOW	64QAM	14.07	14.16	14.12	14.50
		MID	64QAM	14.00	13.87	14.11	14.50
		HIGH	64QAM	14.04	13.78	14.12	14.50
	3	LOW	64QAM	13.99	14.09	14.08	14.50
		MID	64QAM	13.79	14.21	13.91	14.50
		HIGH	64QAM	14.08	13.93	13.92	14.50
6	LOW	64QAM	13.67	13.91	13.96	14.50	
Bandwidth (Mh)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	14.25	13.99	14.04	14.50
		MID	QPSK	13.80	14.04	14.26	14.50
		HIGH	QPSK	14.07	14.25	13.96	14.50
	8	LOW	QPSK	13.94	14.19	13.84	14.50
		MID	QPSK	14.02	13.97	13.98	14.50
		HIGH	QPSK	13.83	14.14	13.85	14.50
15	LOW	QPSK	14.02	14.06	14.12	14.50	
3	1	LOW	Q16	14.10	13.97	13.99	14.50
		MID	Q16	14.21	13.87	13.93	14.50
		HIGH	Q16	13.89	13.96	14.19	14.50
	8	LOW	Q16	14.17	14.02	14.13	14.50
		MID	Q16	13.76	14.18	14.28	14.50
		HIGH	Q16	13.82	13.90	14.17	14.50
15	LOW	Q16	13.75	13.90	14.07	14.50	
3	1	LOW	64QAM	14.18	13.79	14.03	14.50
		MID	64QAM	13.90	13.99	13.88	14.50
		HIGH	64QAM	13.87	13.94	14.14	14.50
	8	LOW	64QAM	13.87	14.09	14.00	14.50
		MID	64QAM	14.04	14.20	14.09	14.50
		HIGH	64QAM	13.90	14.07	14.12	14.50
15	LOW	64QAM	13.83	14.11	13.98	14.50	
Bandwidth (Mh)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	14.15	13.93	14.21	14.50
		MID	QPSK	13.87	14.28	14.04	14.50
		HIGH	QPSK	13.93	14.08	13.84	14.50
	12	LOW	QPSK	13.99	13.96	13.86	14.50
		MID	QPSK	13.99	14.11	13.93	14.50
		HIGH	QPSK	13.86	13.98	13.92	14.50
25	LOW	QPSK	13.90	13.90	14.05	14.50	
5	1	LOW	Q16	13.97	14.02	14.13	14.50
		MID	Q16	14.07	13.90	13.98	14.50
		HIGH	Q16	13.80	13.90	14.04	14.50
	12	LOW	Q16	14.17	14.04	14.12	14.50
		MID	Q16	14.01	14.19	13.98	14.50
		HIGH	Q16	13.96	13.79	14.21	14.50
25	LOW	Q16	13.77	13.91	14.08	14.50	
5	1	LOW	64QAM	14.05	13.99	13.78	14.50
		MID	64QAM	13.85	13.96	13.82	14.50
		HIGH	64QAM	14.04	13.99	14.09	14.50
	12	LOW	64QAM	13.81	13.96	13.93	14.50
		MID	64QAM	14.11	14.04	14.09	14.50
		HIGH	64QAM	14.04	14.16	14.25	14.50
25	LOW	64QAM	14.06	13.88	13.95	14.50	

LTE B4-Level1&2 -Ant.1							
Bandwidth (Mh)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	14.17	13.89	14.19	14.50
		MID	QPSK	13.82	14.02	14.16	14.50
		HIGH	QPSK	13.79	14.14	13.99	14.50
	25	LOW	QPSK	13.91	13.91	13.90	14.50
		MID	QPSK	14.03	14.11	14.11	14.50
		HIGH	QPSK	13.91	14.07	14.11	14.50
	50	LOW	QPSK	13.79	14.09	14.04	14.50
10	1	LOW	Q16	14.08	13.90	14.05	14.50
		MID	Q16	14.02	14.00	13.94	14.50
		HIGH	Q16	13.90	13.94	14.22	14.50
	25	LOW	Q16	14.09	14.21	14.14	14.50
		MID	Q16	13.80	13.98	14.16	14.50
		HIGH	Q16	13.84	13.83	14.03	14.50
	50	LOW	Q16	13.97	14.08	14.25	14.50
10	1	LOW	64QAM	14.14	14.00	13.85	14.50
		MID	64QAM	14.09	14.06	14.01	14.50
		HIGH	64QAM	13.95	13.90	14.04	14.50
	25	LOW	64QAM	13.71	14.13	13.91	14.50
		MID	64QAM	14.25	14.03	14.11	14.50
		HIGH	64QAM	13.85	14.09	14.23	14.50
	50	LOW	64QAM	13.79	14.11	13.94	14.50
Bandwidth (Mh)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	14.11	13.84	14.01	14.50
		MID	QPSK	14.02	14.04	14.15	14.50
		HIGH	QPSK	13.84	14.03	13.85	14.50
	36	LOW	QPSK	14.02	14.15	14.10	14.50
		MID	QPSK	13.90	13.97	13.94	14.50
		HIGH	QPSK	13.99	14.18	13.92	14.50
	75	LOW	QPSK	14.08	13.87	14.02	14.50
15	1	LOW	Q16	14.15	13.99	14.04	14.50
		MID	Q16	14.23	13.94	13.86	14.50
		HIGH	Q16	14.01	14.03	13.98	14.50
	36	LOW	Q16	14.23	14.14	13.98	14.50
		MID	Q16	13.96	14.02	14.08	14.50
		HIGH	Q16	13.88	13.97	13.97	14.50
	75	LOW	Q16	13.93	13.92	13.97	14.50
15	1	LOW	64QAM	13.92	13.87	13.97	14.50
		MID	64QAM	13.84	14.17	13.91	14.50
		HIGH	64QAM	13.81	13.85	13.89	14.50
	36	LOW	64QAM	14.00	13.96	14.07	14.50
		MID	64QAM	14.15	14.21	13.93	14.50
		HIGH	64QAM	13.77	13.96	14.10	14.50
	75	LOW	64QAM	14.00	14.01	14.01	14.50
Bandwidth (Mh)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	13.94	13.87	14.07	14.50
		MID	QPSK	14.11	14.13	14.12	14.50
		HIGH	QPSK	13.92	14.10	13.90	14.50
	50	LOW	QPSK	14.06	14.05	14.07	14.50
		MID	QPSK	13.98	14.11	14.06	14.50
		HIGH	QPSK	13.90	14.09	13.96	14.50
	100	LOW	QPSK	13.94	13.99	13.98	14.50
20	1	LOW	Q16	14.11	14.05	14.09	14.50
		MID	Q16	14.14	13.88	13.98	14.50
		HIGH	Q16	13.89	13.90	14.07	14.50
	50	LOW	Q16	14.11	14.09	14.13	14.50
		MID	Q16	13.88	14.09	14.13	14.50
		HIGH	Q16	13.93	13.88	14.11	14.50
	100	LOW	Q16	13.90	13.95	14.12	14.50
20	1	LOW	64QAM	14.03	13.90	13.90	14.50
		MID	64QAM	13.99	14.04	13.91	14.50
		HIGH	64QAM	13.94	13.88	14.04	14.50
	50	LOW	64QAM	13.85	14.07	13.94	14.50
		MID	64QAM	14.12	14.08	14.01	14.50
		HIGH	64QAM	13.91	14.09	14.10	14.50
	100	LOW	64QAM	13.91	13.97	13.93	14.50

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.05	23.07	23.06	24.50
		MID	QPSK	23.09	23.30	23.21	24.50
		HIGH	QPSK	23.04	23.18	23.05	24.50
	3	LOW	QPSK	23.07	22.88	22.92	24.50
		MID	QPSK	23.27	23.21	23.14	24.50
		HIGH	QPSK	22.89	23.01	22.97	24.50
	6	LOW	QPSK	22.01	22.20	22.00	23.50
1.4	1	LOW	Q16	21.96	22.30	21.89	23.50
		MID	Q16	22.16	22.49	21.99	23.50
		HIGH	Q16	21.90	22.28	22.00	23.50
	3	LOW	Q16	21.93	22.42	21.90	23.50
		MID	Q16	22.18	22.49	21.95	23.50
		HIGH	Q16	21.77	22.49	21.77	23.50
	6	LOW	Q16	21.06	20.99	21.34	22.50
1.4	1	LOW	64QAM	21.11	21.33	20.98	22.50
		MID	64QAM	21.20	21.36	21.07	22.50
		HIGH	64QAM	20.98	21.28	21.09	22.50
	3	LOW	64QAM	20.88	21.55	21.04	22.50
		MID	64QAM	21.08	21.48	21.01	22.50
		HIGH	64QAM	20.82	21.36	20.91	22.50
	6	LOW	64QAM	19.99	19.90	20.23	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.08	23.10	22.99	24.50
		MID	QPSK	23.05	23.18	23.04	24.50
		HIGH	QPSK	23.03	23.16	22.88	24.50
	8	LOW	QPSK	21.87	22.19	21.94	23.50
		MID	QPSK	21.87	22.16	21.92	23.50
		HIGH	QPSK	21.99	22.06	21.80	23.50
	15	LOW	QPSK	22.16	22.15	22.15	23.50
3	1	LOW	Q16	21.78	22.34	21.93	23.50
		MID	Q16	22.09	22.48	22.11	23.50
		HIGH	Q16	21.86	22.36	21.94	23.50
	8	LOW	Q16	20.96	21.25	21.18	22.50
		MID	Q16	21.08	21.28	21.06	22.50
		HIGH	Q16	21.13	21.29	21.16	22.50
	15	LOW	Q16	20.99	21.11	21.18	22.50
3	1	LOW	64QAM	20.84	21.26	20.94	22.50
		MID	64QAM	21.18	21.28	20.99	22.50
		HIGH	64QAM	21.05	21.13	20.96	22.50
	8	LOW	64QAM	20.16	20.16	20.22	21.50
		MID	64QAM	20.15	19.97	20.25	21.50
		HIGH	64QAM	19.92	20.30	19.93	21.50
	15	LOW	64QAM	20.25	19.92	20.08	21.50

LTE B5-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.07	23.02	23.03	24.50
		MID	QPSK	23.35	23.20	23.27	24.50
		HIGH	QPSK	23.01	22.99	23.00	24.50
	12	LOW	QPSK	21.86	22.21	22.01	23.50
		MID	QPSK	22.14	22.20	22.02	23.50
		HIGH	QPSK	22.21	22.10	22.00	23.50
	25	LOW	QPSK	21.88	21.94	22.00	23.50
5	1	LOW	Q16	21.79	22.41	21.89	23.50
		MID	Q16	22.14	22.53	22.16	23.50
		HIGH	Q16	21.97	22.29	21.86	23.50
	12	LOW	Q16	20.95	21.19	21.34	22.50
		MID	Q16	21.08	21.08	21.06	22.50
		HIGH	Q16	21.08	21.24	21.05	22.50
	25	LOW	Q16	21.18	21.19	21.09	22.50
5	1	LOW	64QAM	20.96	21.26	21.16	22.50
		MID	64QAM	21.10	21.34	20.97	22.50
		HIGH	64QAM	21.07	21.31	21.03	22.50
	12	LOW	64QAM	20.25	20.03	20.19	21.50
		MID	64QAM	19.94	20.00	20.20	21.50
		HIGH	64QAM	20.15	20.10	20.04	21.50
	25	LOW	64QAM	20.20	19.97	20.18	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.96	22.99	23.02	24.50
		MID	QPSK	23.20	23.22	23.17	24.50
		HIGH	QPSK	22.98	23.04	23.00	24.50
	25	LOW	QPSK	21.99	22.11	22.09	23.50
		MID	QPSK	22.02	22.07	22.05	23.50
		HIGH	QPSK	22.04	22.05	21.94	23.50
	50	LOW	QPSK	22.03	22.07	22.02	23.50
10	1	LOW	Q16	21.84	22.29	22.01	23.50
		MID	Q16	22.03	22.49	22.07	23.50
		HIGH	Q16	21.87	22.37	21.88	23.50
	25	LOW	Q16	21.02	21.12	21.21	22.50
		MID	Q16	21.02	21.16	21.21	22.50
		HIGH	Q16	21.11	21.15	21.04	22.50
	50	LOW	Q16	21.05	21.13	21.10	22.50
10	1	LOW	64QAM	20.82	21.32	21.09	22.50
		MID	64QAM	21.07	21.40	21.11	22.50
		HIGH	64QAM	21.00	21.24	21.02	22.50
	25	LOW	64QAM	20.16	20.18	20.34	21.50
		MID	64QAM	20.04	20.12	20.18	21.50
		HIGH	64QAM	20.06	20.25	19.92	21.50
	50	LOW	64QAM	20.18	20.04	20.18	21.50

LTE B5-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.11	20.13	20.23	20.50
		MID	QPSK	20.14	19.91	20.40	20.50
		HIGH	QPSK	20.28	20.10	20.29	20.50
	3	LOW	QPSK	20.34	20.10	20.11	20.50
		MID	QPSK	20.23	20.25	20.37	20.50
		HIGH	QPSK	20.11	20.34	20.28	20.50
	6	LOW	QPSK	20.18	20.31	20.07	20.50
1.4	1	LOW	Q16	20.36	20.13	20.44	20.50
		MID	Q16	20.16	20.21	20.44	20.50
		HIGH	Q16	20.10	20.20	20.36	20.50
	3	LOW	Q16	20.01	20.16	20.50	20.50
		MID	Q16	20.31	20.19	20.26	20.50
		HIGH	Q16	20.17	20.34	20.12	20.50
	6	LOW	Q16	20.28	20.31	20.49	20.50
1.4	1	LOW	64QAM	20.36	20.24	20.22	20.50
		MID	64QAM	20.07	20.19	20.32	20.50
		HIGH	64QAM	20.30	20.05	20.27	20.50
	3	LOW	64QAM	20.22	20.07	20.43	20.50
		MID	64QAM	20.16	20.17	20.24	20.50
		HIGH	64QAM	20.38	20.25	20.03	20.50
	6	LOW	64QAM	20.17	20.24	20.25	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	20.25	20.10	20.41	20.50
		MID	QPSK	20.06	20.48	20.00	20.50
		HIGH	QPSK	20.26	19.94	20.20	20.50
	8	LOW	QPSK	20.29	20.13	20.25	20.50
		MID	QPSK	20.28	20.23	20.38	20.50
		HIGH	QPSK	20.25	20.27	20.09	20.50
	15	LOW	QPSK	20.19	20.21	20.32	20.50
3	1	LOW	Q16	20.45	20.28	20.28	20.50
		MID	Q16	19.95	20.19	20.35	20.50
		HIGH	Q16	20.19	20.17	20.46	20.50
	8	LOW	Q16	20.06	20.15	20.21	20.50
		MID	Q16	20.17	20.16	20.08	20.50
		HIGH	Q16	20.05	20.29	20.28	20.50
	15	LOW	Q16	20.29	20.38	20.48	20.50
3	1	LOW	64QAM	20.21	20.04	20.21	20.50
		MID	64QAM	20.19	20.13	20.14	20.50
		HIGH	64QAM	20.06	20.04	20.27	20.50
	8	LOW	64QAM	20.16	20.22	20.45	20.50
		MID	64QAM	20.16	20.27	20.27	20.50
		HIGH	64QAM	20.40	20.07	20.23	20.50
	15	LOW	64QAM	20.30	20.01	20.38	20.50

LTE B5-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	20.09	20.34	20.40	20.50
		MID	QPSK	20.03	20.48	20.12	20.50
		HIGH	QPSK	20.13	20.23	20.22	20.50
	12	LOW	QPSK	20.38	20.26	20.20	20.50
		MID	QPSK	20.24	20.18	20.28	20.50
		HIGH	QPSK	20.31	20.27	20.05	20.50
	25	LOW	QPSK	19.97	20.18	20.16	20.50
5	1	LOW	Q16	20.26	20.21	20.34	20.50
		MID	Q16	20.02	20.38	20.35	20.50
		HIGH	Q16	20.17	20.30	20.44	20.50
	12	LOW	Q16	20.02	20.17	20.31	20.50
		MID	Q16	20.18	20.22	20.22	20.50
		HIGH	Q16	20.20	20.41	20.22	20.50
	25	LOW	Q16	20.31	20.28	20.47	20.50
5	1	LOW	64QAM	20.18	20.24	20.40	20.50
		MID	64QAM	19.99	20.09	20.29	20.50
		HIGH	64QAM	20.05	20.00	20.28	20.50
	12	LOW	64QAM	19.97	20.08	20.29	20.50
		MID	64QAM	20.37	20.10	20.46	20.50
		HIGH	64QAM	20.35	20.26	20.25	20.50
	25	LOW	64QAM	20.20	20.17	20.44	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	20.12	20.20	20.29	20.50
		MID	QPSK	20.15	20.35	20.06	20.50
		HIGH	QPSK	20.23	20.08	20.25	20.50
	25	LOW	QPSK	20.28	20.20	20.21	20.50
		MID	QPSK	20.16	20.33	20.28	20.50
		HIGH	QPSK	20.16	20.28	20.20	20.50
	50	LOW	QPSK	20.09	20.22	20.22	20.50
10	1	LOW	Q16	20.31	20.28	20.29	20.50
		MID	Q16	20.07	20.23	20.34	20.50
		HIGH	Q16	20.11	20.30	20.35	20.50
	25	LOW	Q16	20.12	20.25	20.35	20.50
		MID	Q16	20.32	20.24	20.15	20.50
		HIGH	Q16	20.15	20.30	20.22	20.50
	50	LOW	Q16	20.28	20.27	20.35	20.50
10	1	LOW	64QAM	20.23	20.17	20.30	20.50
		MID	64QAM	20.13	20.17	20.29	20.50
		HIGH	64QAM	20.16	20.06	20.31	20.50
	25	LOW	64QAM	20.10	20.07	20.35	20.50
		MID	64QAM	20.30	20.20	20.35	20.50
		HIGH	64QAM	20.32	20.21	20.10	20.50
	50	LOW	64QAM	20.15	20.10	20.30	20.50

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.1							
Bandwidth	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	23.09	22.84	22.98	23.50
		MID	QPSK	23.28	23.45	23.28	23.50
		HIGH	QPSK	22.86	22.82	22.86	23.50
	12	LOW	QPSK	22.01	22.12	22.06	22.50
		MID	QPSK	22.37	22.17	22.05	22.50
		HIGH	QPSK	22.17	22.24	22.03	22.50
	25	LOW	QPSK	22.08	22.31	22.00	22.50
5	1	LOW	Q16	22.48	22.43	22.33	22.50
		MID	Q16	22.25	22.33	22.19	22.50
		HIGH	Q16	22.05	22.33	22.46	22.50
	12	LOW	Q16	21.06	21.27	21.16	21.50
		MID	Q16	21.18	21.27	21.23	21.50
		HIGH	Q16	21.34	21.25	20.96	21.50
	25	LOW	Q16	21.20	21.23	21.14	21.50
5	1	LOW	64QAM	21.02	21.48	21.44	21.50
		MID	64QAM	21.15	21.35	21.10	21.50
		HIGH	64QAM	21.49	21.36	21.37	21.50
	12	LOW	64QAM	20.11	20.17	20.27	20.50
		MID	64QAM	20.06	20.40	20.32	20.50
		HIGH	64QAM	20.23	20.34	20.06	20.50
	25	LOW	64QAM	20.35	20.25	20.17	20.50
Bandwidth	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.85	22.75	22.90	23.50
		MID	QPSK	23.20	23.17	23.29	23.50
		HIGH	QPSK	22.90	22.90	22.83	23.50
	25	LOW	QPSK	22.10	22.27	22.25	22.50
		MID	QPSK	22.33	22.16	22.07	22.50
		HIGH	QPSK	22.16	22.15	22.01	22.50
50	LOW	QPSK	22.27	22.03	22.07	22.50	
10	1	LOW	Q16	22.33	22.39	22.36	22.50
		MID	Q16	22.20	22.33	22.19	22.50
		HIGH	Q16	22.27	22.49	22.40	22.50
	25	LOW	Q16	21.24	21.15	21.25	21.50
		MID	Q16	21.30	21.13	21.30	21.50
		HIGH	Q16	21.30	21.27	21.00	21.50
50	LOW	Q16	21.39	21.33	21.20	21.50	
10	1	LOW	64QAM	21.09	21.39	21.45	21.50
		MID	64QAM	21.29	21.43	21.02	21.50
		HIGH	64QAM	21.45	21.42	21.18	21.50
	25	LOW	64QAM	20.01	20.33	20.23	20.50
		MID	64QAM	20.30	20.01	20.24	20.50
		HIGH	64QAM	20.30	20.42	19.97	20.50
50	LOW	64QAM	20.09	20.31	20.26	20.50	

LTE B7-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.93	22.94	22.83	23.50
		MID	QPSK	23.23	23.17	23.09	23.50
		HIGH	QPSK	23.02	22.80	22.87	23.50
	36	LOW	QPSK	22.02	22.14	22.19	22.50
		MID	QPSK	22.29	22.33	22.10	22.50
		HIGH	QPSK	22.16	22.15	21.94	22.50
	75	LOW	QPSK	22.07	22.25	22.18	22.50
15	1	LOW	Q16	22.37	22.34	22.02	22.50
		MID	Q16	22.42	22.08	22.21	22.50
		HIGH	Q16	22.42	22.41	22.24	22.50
	36	LOW	Q16	21.25	21.32	21.19	21.50
		MID	Q16	21.39	21.36	21.14	21.50
		HIGH	Q16	21.41	21.12	21.19	21.50
	75	LOW	Q16	21.23	21.34	21.15	21.50
15	1	LOW	64QAM	21.36	21.39	21.18	21.50
		MID	64QAM	21.36	21.34	21.15	21.50
		HIGH	64QAM	21.04	21.47	21.40	21.50
	36	LOW	64QAM	20.08	20.23	20.24	20.50
		MID	64QAM	20.29	20.04	20.31	20.50
		HIGH	64QAM	20.19	20.34	20.03	20.50
	75	LOW	64QAM	20.18	20.20	20.10	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.95	22.89	22.90	23.50
		MID	QPSK	23.31	23.32	23.23	23.50
		HIGH	QPSK	22.98	22.85	22.83	23.50
	50	LOW	QPSK	22.15	22.16	22.18	22.50
		MID	QPSK	22.21	22.22	22.16	22.50
		HIGH	QPSK	22.15	22.19	21.97	22.50
	100	LOW	QPSK	22.20	22.18	22.07	22.50
20	1	LOW	Q16	22.39	22.33	22.47	22.50
		MID	Q16	22.30	22.22	22.29	22.50
		HIGH	Q16	22.41	22.36	22.34	22.50
	50	LOW	Q16	21.15	21.25	21.22	21.50
		MID	Q16	21.30	21.27	21.21	21.50
		HIGH	Q16	21.30	21.23	21.06	21.50
	100	LOW	Q16	21.24	21.19	21.10	21.50
20	1	LOW	64QAM	21.45	21.33	21.05	21.50
		MID	64QAM	21.26	21.33	21.14	21.50
		HIGH	64QAM	21.44	21.37	21.26	21.50
	50	LOW	64QAM	20.03	20.37	20.13	20.50
		MID	64QAM	20.30	20.15	20.17	20.50
		HIGH	64QAM	20.27	20.35	19.99	20.50
	100	LOW	64QAM	20.15	20.21	20.21	20.50

LTE B7-Level1&2 -Ant.1							
Bandwidth	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	12.95	13.13	13.16	13.50
		MID	QPSK	13.16	13.05	13.24	13.50
		HIGH	QPSK	13.26	13.23	13.08	13.50
	12	LOW	QPSK	13.21	13.11	13.11	13.50
		MID	QPSK	13.21	13.10	13.12	13.50
		HIGH	QPSK	13.27	13.17	13.37	13.50
	25	LOW	QPSK	13.19	13.32	13.15	13.50
5	1	LOW	Q16	13.28	13.21	13.17	13.50
		MID	Q16	13.19	13.15	13.13	13.50
		HIGH	Q16	13.00	13.34	13.10	13.50
	12	LOW	Q16	13.14	13.43	13.10	13.50
		MID	Q16	13.26	13.33	13.35	13.50
		HIGH	Q16	13.25	13.22	13.25	13.50
	25	LOW	Q16	13.12	13.20	13.02	13.50
5	1	LOW	64QAM	13.30	13.15	13.20	13.50
		MID	64QAM	13.10	13.24	13.27	13.50
		HIGH	64QAM	13.03	13.42	12.99	13.50
	12	LOW	64QAM	13.10	13.29	12.97	13.50
		MID	64QAM	13.40	13.48	13.30	13.50
		HIGH	64QAM	13.35	13.09	13.33	13.50
	25	LOW	64QAM	13.04	13.06	13.03	13.50
Bandwidth	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	12.95	13.16	13.16	13.50
		MID	QPSK	13.11	13.14	13.11	13.50
		HIGH	QPSK	13.12	13.10	13.06	13.50
	25	LOW	QPSK	13.33	13.25	13.23	13.50
		MID	QPSK	13.05	13.20	13.21	13.50
		HIGH	QPSK	13.22	13.12	13.37	13.50
50	LOW	QPSK	13.14	13.30	13.07	13.50	
10	1	LOW	Q16	13.29	13.09	13.23	13.50
		MID	Q16	13.26	13.38	13.11	13.50
		HIGH	Q16	13.02	13.34	12.90	13.50
	25	LOW	Q16	13.25	13.23	13.09	13.50
		MID	Q16	13.15	13.34	13.36	13.50
		HIGH	Q16	13.36	13.03	13.27	13.50
50	LOW	Q16	13.31	13.03	12.98	13.50	
10	1	LOW	64QAM	13.05	13.04	13.04	13.50
		MID	64QAM	13.27	13.19	13.06	13.50
		HIGH	64QAM	13.42	12.96	13.08	13.50
	25	LOW	64QAM	13.10	12.98	13.05	13.50
		MID	64QAM	13.20	13.17	13.26	13.50
		HIGH	64QAM	13.11	13.21	13.07	13.50
50	LOW	64QAM	13.33	13.02	13.34	13.50	

LTE B7-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	13.03	13.17	13.16	13.50
		MID	QPSK	13.05	13.00	13.14	13.50
		HIGH	QPSK	13.17	13.12	13.19	13.50
	36	LOW	QPSK	13.10	13.16	13.13	13.50
		MID	QPSK	13.06	13.12	13.04	13.50
		HIGH	QPSK	13.20	13.34	13.32	13.50
	75	LOW	QPSK	13.25	13.08	13.06	13.50
15	1	LOW	Q16	13.10	13.11	13.20	13.50
		MID	Q16	13.18	13.38	13.23	13.50
		HIGH	Q16	13.20	13.43	12.90	13.50
	36	LOW	Q16	13.26	13.14	13.11	13.50
		MID	Q16	13.38	13.19	13.28	13.50
		HIGH	Q16	13.39	13.16	13.10	13.50
	75	LOW	Q16	13.30	13.23	13.16	13.50
15	1	LOW	64QAM	13.04	13.15	13.22	13.50
		MID	64QAM	13.14	13.42	13.31	13.50
		HIGH	64QAM	13.36	12.91	13.05	13.50
	36	LOW	64QAM	13.15	13.27	13.00	13.50
		MID	64QAM	13.40	13.04	13.20	13.50
		HIGH	64QAM	13.15	13.28	12.96	13.50
	75	LOW	64QAM	13.42	13.22	13.32	13.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	13.38	13.36	13.35	13.50
		MID	QPSK	13.37	13.47	13.44	13.50
		HIGH	QPSK	13.46	13.46	13.37	13.50
	50	LOW	QPSK	13.43	13.42	13.28	13.50
		MID	QPSK	13.39	13.45	13.32	13.50
		HIGH	QPSK	13.41	13.41	13.43	13.50
	100	LOW	QPSK	13.11	13.22	13.18	13.50
20	1	LOW	Q16	13.25	13.17	13.28	13.50
		MID	Q16	13.24	13.27	13.17	13.50
		HIGH	Q16	13.05	13.28	13.05	13.50
	50	LOW	Q16	13.11	13.29	13.21	13.50
		MID	Q16	13.26	13.27	13.22	13.50
		HIGH	Q16	13.30	13.17	13.16	13.50
	100	LOW	Q16	13.19	13.18	13.11	13.50
20	1	LOW	64QAM	13.16	13.17	13.11	13.50
		MID	64QAM	13.14	13.30	13.16	13.50
		HIGH	64QAM	13.27	13.06	13.15	13.50
	50	LOW	64QAM	13.08	13.12	13.14	13.50
		MID	64QAM	13.26	13.13	13.28	13.50
		HIGH	64QAM	13.06	13.17	13.09	13.50
	100	LOW	64QAM	13.28	13.14	13.22	13.50

8.3.5 LTE Band12 Output Power

LTE B12-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.74	22.70	22.79	24.50
		MID	QPSK	22.84	23.05	22.88	24.50
		HIGH	QPSK	22.75	22.88	22.96	24.50
	3	LOW	QPSK	22.88	22.64	22.90	24.50
		MID	QPSK	22.80	22.84	22.94	24.50
		HIGH	QPSK	22.91	22.93	22.99	24.50
6	LOW	QPSK	21.77	22.14	21.74	23.50	
1.4	1	LOW	Q16	21.89	21.83	21.81	23.50
		MID	Q16	22.02	21.98	21.92	23.50
		HIGH	Q16	22.00	21.98	21.82	23.50
	3	LOW	Q16	22.02	22.05	21.70	23.50
		MID	Q16	21.76	21.99	21.99	23.50
		HIGH	Q16	21.79	22.11	21.99	23.50
6	LOW	Q16	20.93	20.91	20.85	22.50	
1.4	1	LOW	64QAM	20.85	20.83	20.69	22.50
		MID	64QAM	21.13	21.11	21.04	22.50
		HIGH	64QAM	20.88	21.08	20.84	22.50
	3	LOW	64QAM	20.92	21.15	20.82	22.50
		MID	64QAM	20.74	20.90	21.12	22.50
		HIGH	64QAM	20.74	21.04	21.04	22.50
6	LOW	64QAM	20.08	19.83	19.77	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	22.74	22.84	22.63	24.50
		MID	QPSK	22.89	22.93	23.08	24.50
		HIGH	QPSK	22.91	22.74	22.89	24.50
	8	LOW	QPSK	21.99	21.88	21.78	23.50
		MID	QPSK	21.95	21.82	21.87	23.50
		HIGH	QPSK	22.03	22.01	21.84	23.50
15	LOW	QPSK	21.77	21.87	21.81	23.50	
3	1	LOW	Q16	21.98	21.91	22.26	23.50
		MID	Q16	22.20	22.06	22.22	23.50
		HIGH	Q16	22.01	21.71	22.26	23.50
	8	LOW	Q16	21.01	20.86	20.72	22.50
		MID	Q16	21.14	20.81	21.03	22.50
		HIGH	Q16	21.06	20.91	20.91	22.50
15	LOW	Q16	20.88	21.08	21.02	22.50	
3	1	LOW	64QAM	20.94	20.80	21.23	22.50
		MID	64QAM	21.14	20.70	21.38	22.50
		HIGH	64QAM	21.07	20.67	21.23	22.50
	8	LOW	64QAM	20.07	20.01	19.82	21.50
		MID	64QAM	20.12	20.08	20.01	21.50
		HIGH	64QAM	19.89	20.12	19.95	21.50
15	LOW	64QAM	19.72	20.15	20.04	21.50	

LTE B12-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.91	22.88	24.50
		MID	QPSK	22.83	23.03	23.08	24.50
		HIGH	QPSK	22.94	22.87	23.02	24.50
	12	LOW	QPSK	21.99	22.08	21.94	23.50
		MID	QPSK	21.92	21.93	21.83	23.50
		HIGH	QPSK	22.00	22.13	21.99	23.50
	25	LOW	QPSK	21.80	22.05	22.01	23.50
5	1	LOW	Q16	21.92	21.65	22.33	23.50
		MID	Q16	22.18	21.79	22.31	23.50
		HIGH	Q16	21.76	21.70	22.30	23.50
	12	LOW	Q16	20.86	21.08	20.91	22.50
		MID	Q16	20.90	21.00	21.02	22.50
		HIGH	Q16	20.91	21.02	20.77	22.50
	25	LOW	Q16	20.79	21.16	20.98	22.50
5	1	LOW	64QAM	20.71	20.82	21.17	22.50
		MID	64QAM	21.03	20.68	21.21	22.50
		HIGH	64QAM	21.09	20.70	21.13	22.50
	12	LOW	64QAM	20.03	19.93	19.93	21.50
		MID	64QAM	20.05	19.84	19.76	21.50
		HIGH	64QAM	19.74	20.12	20.02	21.50
	25	LOW	64QAM	19.67	19.93	20.18	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	22.85	22.78	22.78	24.50
		MID	QPSK	22.84	22.91	22.84	24.50
		HIGH	QPSK	22.85	22.84	22.83	24.50
	25	LOW	QPSK	21.89	21.98	21.79	23.50
		MID	QPSK	21.88	21.89	21.90	23.50
		HIGH	QPSK	21.89	22.03	21.89	23.50
	50	LOW	QPSK	21.90	22.02	21.89	23.50
10	1	LOW	Q16	21.94	21.78	22.23	23.50
		MID	Q16	22.05	21.93	22.34	23.50
		HIGH	Q16	21.87	21.79	22.37	23.50
	25	LOW	Q16	20.98	20.98	20.86	22.50
		MID	Q16	21.02	20.94	20.95	22.50
		HIGH	Q16	21.00	21.06	20.90	22.50
	50	LOW	Q16	20.94	21.03	20.94	22.50
10	1	LOW	64QAM	20.81	20.67	21.20	22.50
		MID	64QAM	21.08	20.81	21.28	22.50
		HIGH	64QAM	20.95	20.69	21.24	22.50
	25	LOW	64QAM	19.92	20.08	19.97	21.50
		MID	64QAM	20.02	19.96	19.86	21.50
		HIGH	64QAM	19.88	20.11	19.96	21.50
	50	LOW	64QAM	19.82	20.07	20.03	21.50

LTE B12-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.92	18.81	18.67	19.50
		MID	QPSK	18.80	18.72	19.10	19.50
		HIGH	QPSK	18.61	18.75	18.82	19.50
	3	LOW	QPSK	18.62	18.72	18.77	19.50
		MID	QPSK	18.95	18.66	18.91	19.50
		HIGH	QPSK	18.88	18.62	18.83	19.50
	6	LOW	QPSK	18.70	18.66	18.74	19.50
1.4	1	LOW	Q16	18.98	18.92	18.63	19.50
		MID	Q16	18.83	18.99	18.81	19.50
		HIGH	Q16	18.78	18.98	18.82	19.50
	3	LOW	Q16	18.90	18.80	18.73	19.50
		MID	Q16	18.93	18.71	18.80	19.50
		HIGH	Q16	18.80	18.73	18.88	19.50
	6	LOW	Q16	18.64	18.86	18.97	19.50
1.4	1	LOW	64QAM	18.87	18.85	18.54	19.50
		MID	64QAM	18.79	18.90	18.90	19.50
		HIGH	64QAM	18.80	19.02	18.90	19.50
	3	LOW	64QAM	18.85	18.80	18.74	19.50
		MID	64QAM	19.03	18.65	18.68	19.50
		HIGH	64QAM	18.89	18.78	18.73	19.50
	6	LOW	64QAM	18.78	18.93	18.89	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	18.84	18.66	18.61	19.50
		MID	QPSK	18.92	18.62	18.81	19.50
		HIGH	QPSK	18.61	18.78	18.94	19.50
	8	LOW	QPSK	18.70	18.73	18.75	19.50
		MID	QPSK	18.92	18.71	18.92	19.50
		HIGH	QPSK	18.88	18.80	18.94	19.50
	15	LOW	QPSK	18.71	18.71	18.57	19.50
3	1	LOW	Q16	18.80	18.97	18.65	19.50
		MID	Q16	18.81	19.00	18.87	19.50
		HIGH	Q16	18.89	19.00	18.90	19.50
	8	LOW	Q16	18.78	18.75	18.92	19.50
		MID	Q16	18.91	18.91	19.03	19.50
		HIGH	Q16	18.92	18.74	18.78	19.50
	15	LOW	Q16	18.88	18.89	18.93	19.50
3	1	LOW	64QAM	18.72	18.79	18.62	19.50
		MID	64QAM	18.67	18.75	18.64	19.50
		HIGH	64QAM	18.60	18.80	18.80	19.50
	8	LOW	64QAM	18.84	18.76	18.74	19.50
		MID	64QAM	18.71	18.81	18.74	19.50
		HIGH	64QAM	18.79	18.76	18.78	19.50
	15	LOW	64QAM	18.91	18.97	18.74	19.50

LTE B12-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	19.07	18.67	18.70	19.50
		MID	QPSK	18.91	18.88	18.85	19.50
		HIGH	QPSK	18.78	18.84	18.85	19.50
	12	LOW	QPSK	18.67	18.67	18.91	19.50
		MID	QPSK	18.72	18.83	18.79	19.50
		HIGH	QPSK	18.93	18.72	18.87	19.50
25	LOW	QPSK	18.57	18.70	18.63	19.50	
5	1	LOW	Q16	18.99	18.97	18.68	19.50
		MID	Q16	18.79	19.03	19.00	19.50
		HIGH	Q16	18.85	18.91	18.73	19.50
	12	LOW	Q16	18.64	18.65	18.81	19.50
		MID	Q16	18.88	18.70	18.95	19.50
		HIGH	Q16	18.78	18.75	18.79	19.50
25	LOW	Q16	18.72	18.80	18.76	19.50	
5	1	LOW	64QAM	18.72	18.88	18.63	19.50
		MID	64QAM	18.59	18.86	18.62	19.50
		HIGH	64QAM	18.80	18.90	19.03	19.50
	12	LOW	64QAM	18.82	18.76	18.77	19.50
		MID	64QAM	18.79	18.84	18.61	19.50
		HIGH	64QAM	18.81	18.98	18.91	19.50
25	LOW	64QAM	18.71	19.04	18.76	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	18.92	18.76	18.71	19.50
		MID	QPSK	18.82	18.95	18.74	19.50
		HIGH	QPSK	18.74	18.73	18.88	19.50
	25	LOW	QPSK	18.77	18.75	18.82	19.50
		MID	QPSK	18.83	18.88	18.79	19.50
		HIGH	QPSK	18.80	18.70	18.71	19.50
50	LOW	QPSK	18.72	18.75	18.72	19.50	
10	1	LOW	Q16	18.86	18.92	18.67	19.50
		MID	Q16	18.70	18.93	18.88	19.50
		HIGH	Q16	18.74	18.88	18.78	19.50
	25	LOW	Q16	18.79	18.71	18.77	19.50
		MID	Q16	18.94	18.79	18.89	19.50
		HIGH	Q16	18.77	18.82	18.80	19.50
50	LOW	Q16	18.76	18.81	18.89	19.50	
10	1	LOW	64QAM	18.65	18.88	18.65	19.50
		MID	64QAM	18.70	18.76	18.71	19.50
		HIGH	64QAM	18.66	18.80	18.94	19.50
	25	LOW	64QAM	18.95	18.65	18.72	19.50
		MID	64QAM	18.70	18.77	18.67	19.50
		HIGH	64QAM	18.88	18.88	18.87	19.50
50	LOW	64QAM	18.78	18.94	18.88	19.50	

8.3.6 LTE Band13 Output Power

LTE B13-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.75	22.84	24.50
		MID	QPSK	23.13	23.37	23.27	24.50
		HIGH	QPSK	23.01	22.99	22.87	24.50
	12	LOW	QPSK	21.89	21.98	21.94	23.50
		MID	QPSK	21.89	22.04	21.93	23.50
		HIGH	QPSK	21.99	22.07	22.04	23.50
	25	LOW	QPSK	21.84	21.98	21.85	23.50
5	1	LOW	Q16	22.27	22.27	22.17	23.50
		MID	Q16	22.56	22.55	22.46	23.50
		HIGH	Q16	22.30	22.42	22.31	23.50
	12	LOW	Q16	20.87	20.78	20.83	22.50
		MID	Q16	20.98	21.12	21.20	22.50
		HIGH	Q16	20.99	21.10	21.18	22.50
	25	LOW	Q16	20.92	21.05	21.11	22.50
5	1	LOW	64QAM	21.03	21.04	21.04	22.50
		MID	64QAM	21.20	21.35	21.36	22.50
		HIGH	64QAM	21.36	21.30	21.17	22.50
	12	LOW	64QAM	19.86	19.91	20.11	21.50
		MID	64QAM	20.35	20.04	20.04	21.50
		HIGH	64QAM	19.93	19.88	20.16	21.50
	25	LOW	64QAM	20.09	20.18	19.99	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	23230	23230	Tune-up power(dBm)
10	1	LOW	QPSK	22.86			24.50
		MID	QPSK	23.22			24.50
		HIGH	QPSK	23.01			24.50
	25	LOW	QPSK	21.83			23.50
		MID	QPSK	22.01			23.50
		HIGH	QPSK	21.95			23.50
	50	LOW	QPSK	21.92			23.50
10	1	LOW	Q16	22.14			23.50
		MID	Q16	22.43			23.50
		HIGH	Q16	22.36			23.50
	25	LOW	Q16	20.92			22.50
		MID	Q16	21.10			22.50
		HIGH	Q16	21.09			22.50
	50	LOW	Q16	21.01			22.50
10	1	LOW	64QAM	21.17			22.50
		MID	64QAM	21.28			22.50
		HIGH	64QAM	21.45			22.50
	25	LOW	64QAM	19.86			21.50
		MID	64QAM	20.21			21.50
		HIGH	64QAM	19.97			21.50
	50	LOW	64QAM	20.02			21.50

LTE B13-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)
5	1	LOW	QPSK	20.95	20.82	20.85	21.50
		MID	QPSK	21.01	20.82	20.84	21.50
		HIGH	QPSK	21.04	20.79	20.87	21.50
	12	LOW	QPSK	20.95	21.00	20.75	21.50
		MID	QPSK	20.91	20.81	20.94	21.50
		HIGH	QPSK	20.92	20.86	20.98	21.50
	25	LOW	QPSK	20.83	20.89	20.81	21.50
5	1	LOW	Q16	20.82	20.95	21.03	21.50
		MID	Q16	20.88	20.89	21.03	21.50
		HIGH	Q16	20.99	21.03	20.92	21.50
	12	LOW	Q16	21.03	20.81	20.79	21.50
		MID	Q16	20.99	20.88	20.90	21.50
		HIGH	Q16	20.81	20.82	20.83	21.50
	25	LOW	Q16	20.91	20.95	20.93	21.50
5	1	LOW	64QAM	20.96	20.81	20.80	21.50
		MID	64QAM	20.96	20.90	21.01	21.50
		HIGH	64QAM	20.96	20.86	20.87	21.50
	12	LOW	64QAM	21.01	21.04	20.94	21.50
		MID	64QAM	20.95	20.75	20.83	21.50
		HIGH	64QAM	20.88	20.84	20.85	21.50
	25	LOW	64QAM	20.90	20.86	20.82	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230	23230	23230	Tune-up power(dBm)
10	1	LOW	QPSK	20.76			21.50
		MID	QPSK	20.87			21.50
		HIGH	QPSK	20.76			21.50
	25	LOW	QPSK	20.81			21.50
		MID	QPSK	21.00			21.50
		HIGH	QPSK	20.92			21.50
	50	LOW	QPSK	21.02			21.50
10	1	LOW	Q16	20.77			21.50
		MID	Q16	21.00			21.50
		HIGH	Q16	20.95			21.50
	25	LOW	Q16	20.85			21.50
		MID	Q16	20.96			21.50
		HIGH	Q16	20.92			21.50
	50	LOW	Q16	21.01			21.50
10	1	LOW	64QAM	20.85			21.50
		MID	64QAM	21.04			21.50
		HIGH	64QAM	20.78			21.50
	25	LOW	64QAM	20.78			21.50
		MID	64QAM	20.82			21.50
		HIGH	64QAM	20.92			21.50
	50	LOW	64QAM	20.98			21.50

8.3.7 LTE Band17 Output Power

LTE B17-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.70	22.74	22.72	24.50
		MID	QPSK	22.88	22.88	22.94	24.50
		HIGH	QPSK	22.73	22.76	22.83	24.50
	12	LOW	QPSK	21.87	21.85	21.82	23.50
		MID	QPSK	21.95	21.95	22.00	23.50
		HIGH	QPSK	21.88	21.90	21.91	23.50
	25	LOW	QPSK	21.87	21.88	21.87	23.50
5	1	LOW	Q16	21.99	22.29	21.87	23.50
		MID	Q16	22.09	22.38	22.09	23.50
		HIGH	Q16	21.95	22.27	21.98	23.50
	12	LOW	Q16	20.98	20.96	20.90	22.50
		MID	Q16	21.01	21.09	21.06	22.50
		HIGH	Q16	20.92	21.04	20.94	22.50
	25	LOW	Q16	20.89	20.99	20.84	22.50
5	1	LOW	64QAM	21.14	21.32	20.81	22.50
		MID	64QAM	20.96	21.43	21.18	22.50
		HIGH	64QAM	20.82	21.25	20.99	22.50
	12	LOW	64QAM	19.85	19.89	19.88	21.50
		MID	64QAM	20.07	20.10	20.10	21.50
		HIGH	64QAM	19.88	19.96	20.03	21.50
	25	LOW	64QAM	19.86	19.92	19.96	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.75	22.80	22.83	24.50
		MID	QPSK	22.95	22.95	22.95	24.50
		HIGH	QPSK	22.88	22.91	22.95	24.50
	25	LOW	QPSK	21.90	21.90	21.85	23.50
		MID	QPSK	21.92	21.96	21.92	23.50
		HIGH	QPSK	21.91	21.94	21.92	23.50
50	LOW	QPSK	21.99	21.94	21.85	23.50	
10	1	LOW	Q16	21.76	22.21	21.89	23.50
		MID	Q16	21.92	22.30	21.98	23.50
		HIGH	Q16	21.86	22.30	21.97	23.50
	25	LOW	Q16	20.95	20.94	21.00	22.50
		MID	Q16	20.94	20.98	21.01	22.50
		HIGH	Q16	21.08	21.03	21.03	22.50
	50	LOW	Q16	20.96	21.00	20.92	22.50
10	1	LOW	64QAM	20.87	21.33	20.75	22.50
		MID	64QAM	21.02	21.15	21.04	22.50
		HIGH	64QAM	20.99	21.16	21.07	22.50
	25	LOW	64QAM	20.01	19.87	19.90	21.50
		MID	64QAM	19.83	19.89	20.15	21.50
		HIGH	64QAM	20.03	20.03	19.97	21.50
	50	LOW	64QAM	19.82	19.97	19.86	21.50

LTE B17-Level1&2 -Ant.1							
Bandwidth (	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	18.91	18.65	18.73	19.50
		MID	QPSK	18.76	18.72	18.81	19.50
		HIGH	QPSK	18.74	18.73	18.74	19.50
	12	LOW	QPSK	18.84	18.90	18.90	19.50
		MID	QPSK	18.76	18.88	18.74	19.50
		HIGH	QPSK	18.94	18.92	18.88	19.50
	25	LOW	QPSK	18.66	18.88	18.69	19.50
5	1	LOW	Q16	18.95	18.92	18.65	19.50
		MID	Q16	18.76	18.72	18.65	19.50
		HIGH	Q16	18.92	18.85	18.93	19.50
	12	LOW	Q16	18.87	18.90	18.85	19.50
		MID	Q16	18.71	18.83	18.93	19.50
		HIGH	Q16	18.91	18.93	18.75	19.50
	25	LOW	Q16	18.87	18.73	18.72	19.50
5	1	LOW	64QAM	18.92	18.71	18.70	19.50
		MID	64QAM	18.74	18.95	18.91	19.50
		HIGH	64QAM	18.89	18.72	18.94	19.50
	12	LOW	64QAM	18.91	18.82	18.81	19.50
		MID	64QAM	18.92	18.91	18.80	19.50
		HIGH	64QAM	18.80	18.80	18.78	19.50
	25	LOW	64QAM	18.79	18.69	18.69	19.50
Bandwidth (	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	18.78	18.73	18.72	19.50
		MID	QPSK	18.83	18.85	18.80	19.50
		HIGH	QPSK	18.67	18.88	18.85	19.50
	25	LOW	QPSK	18.82	18.75	18.81	19.50
		MID	QPSK	18.70	18.92	18.86	19.50
		HIGH	QPSK	18.81	18.90	18.87	19.50
50	LOW	QPSK	18.71	18.93	18.68	19.50	
10	1	LOW	Q16	18.77	18.94	18.73	19.50
		MID	Q16	18.65	18.78	18.91	19.50
		HIGH	Q16	18.74	18.75	18.79	19.50
	25	LOW	Q16	18.71	18.78	18.67	19.50
		MID	Q16	18.87	18.87	18.90	19.50
		HIGH	Q16	18.82	18.95	18.69	19.50
50	LOW	Q16	18.74	18.81	18.81	19.50	
10	1	LOW	64QAM	18.90	18.66	18.84	19.50
		MID	64QAM	18.91	18.86	18.71	19.50
		HIGH	64QAM	18.65	18.81	18.68	19.50
	25	LOW	64QAM	18.66	18.75	18.65	19.50
		MID	64QAM	18.88	18.65	18.84	19.50
		HIGH	64QAM	18.70	18.91	18.75	19.50
50	LOW	64QAM	18.65	18.70	18.86	19.50	

8.3.8 LTE Band26 Output Power

LTE B26-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.94	22.97	22.82	24.50	
		MID	QPSK	23.06	23.19	23.17	24.50	
		HIGH	QPSK	22.78	22.89	22.99	24.50	
	3	LOW	QPSK	22.86	23.00	23.05	24.50	
		MID	QPSK	23.01	23.13	23.20	24.50	
		HIGH	QPSK	23.05	23.02	22.91	24.50	
1.4	6	LOW	QPSK	22.17	22.20	22.02	23.50	
		LOW	Q16	21.92	22.02	22.12	23.50	
		MID	Q16	22.16	22.10	22.21	23.50	
	3	HIGH	Q16	22.16	22.21	22.11	23.50	
		LOW	Q16	22.05	22.20	21.95	23.50	
		MID	Q16	21.98	22.03	22.22	23.50	
1.4	6	HIGH	Q16	22.00	22.07	22.06	23.50	
		LOW	Q16	21.17	21.14	21.04	22.50	
		LOW	64QAM	20.83	21.07	21.17	22.50	
	1	MID	64QAM	21.13	20.95	21.32	22.50	
		HIGH	64QAM	21.03	21.32	21.24	22.50	
		LOW	64QAM	21.20	21.23	20.89	22.50	
1.4	3	MID	64QAM	20.90	20.97	21.32	22.50	
		HIGH	64QAM	20.98	21.04	21.08	22.50	
		LOW	64QAM	20.05	20.18	19.95	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	3	1	LOW	QPSK	22.78	22.88	23.07	24.50
			MID	QPSK	23.00	22.99	23.13	24.50
HIGH			QPSK	22.81	22.94	23.01	24.50	
8		LOW	QPSK	22.13	22.04	22.16	23.50	
		MID	QPSK	21.98	22.02	22.02	23.50	
		HIGH	QPSK	22.10	22.09	22.00	23.50	
3	15	LOW	QPSK	22.24	21.97	22.16	23.50	
		LOW	Q16	21.72	22.14	22.50	23.50	
		MID	Q16	21.98	22.39	22.39	23.50	
	8	HIGH	Q16	21.84	22.36	22.31	23.50	
		LOW	Q16	21.22	21.07	21.13	22.50	
		MID	Q16	20.94	20.97	21.09	22.50	
3	15	HIGH	Q16	21.06	21.21	21.04	22.50	
		LOW	Q16	21.09	21.20	21.18	22.50	
		LOW	64QAM	20.83	21.30	21.34	22.50	
	1	MID	64QAM	20.72	21.32	21.45	22.50	
		HIGH	64QAM	20.91	21.60	21.22	22.50	
		LOW	64QAM	20.26	20.19	19.90	21.50	
3	8	MID	64QAM	20.00	20.00	20.34	21.50	
		HIGH	64QAM	20.26	19.93	20.02	21.50	
		LOW	64QAM	20.11	20.14	19.88	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	5	1	LOW	QPSK	23.04	22.97	23.03	24.50
			MID	QPSK	22.93	23.06	22.96	24.50
HIGH			QPSK	22.96	22.91	22.82	24.50	
12		LOW	QPSK	22.16	22.16	21.96	23.50	
		MID	QPSK	22.19	22.11	22.22	23.50	
		HIGH	QPSK	22.20	22.07	22.01	23.50	
5	25	LOW	QPSK	22.10	22.20	21.93	23.50	
		LOW	Q16	21.66	22.12	22.26	23.50	
		MID	Q16	21.85	22.28	22.49	23.50	
	1	HIGH	Q16	21.73	22.43	22.09	23.50	
		LOW	Q16	20.99	21.14	21.05	22.50	
		MID	Q16	21.02	21.20	21.19	22.50	
5	25	HIGH	Q16	20.88	21.12	20.96	22.50	
		LOW	Q16	21.24	20.98	21.16	22.50	
		LOW	64QAM	20.77	21.28	21.30	22.50	
	1	MID	64QAM	20.79	21.45	21.47	22.50	
		HIGH	64QAM	20.98	21.51	21.04	22.50	
		LOW	64QAM	20.26	20.00	19.80	21.50	
5	12	MID	64QAM	20.07	20.04	20.30	21.50	
		HIGH	64QAM	20.16	19.86	19.99	21.50	
		LOW	64QAM	20.07	20.08	20.15	21.50	

LTE B26-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	23.00	22.98	22.78	24.50
		MID	QPSK	22.96	23.14	23.12	24.50
		HIGH	QPSK	22.99	22.83	22.78	24.50
	25	LOW	QPSK	22.10	21.99	22.07	23.50
		MID	QPSK	22.19	22.11	22.07	23.50
		HIGH	QPSK	22.10	22.04	22.03	23.50
	50	LOW	QPSK	22.08	22.15	21.96	23.50
		LOW	Q16	21.90	22.36	22.50	23.50
		MID	Q16	21.80	22.35	22.46	23.50
10	1	MID	Q16	21.89	22.23	22.05	23.50
		HIGH	Q16	21.07	21.20	21.19	22.50
	25	LOW	Q16	20.99	21.14	21.08	22.50
		MID	Q16	21.15	21.15	21.00	22.50
		HIGH	Q16	21.13	21.24	20.89	22.50
	50	LOW	Q16	21.13	21.24	20.89	22.50
	1	LOW	64QAM	20.80	21.32	21.31	22.50
		MID	64QAM	20.85	21.34	21.40	22.50
		HIGH	64QAM	21.01	21.44	20.99	22.50
10	25	LOW	64QAM	20.29	20.20	19.78	21.50
		MID	64QAM	20.13	20.12	20.10	21.50
		HIGH	64QAM	20.27	20.11	20.12	21.50
	50	LOW	64QAM	19.97	20.00	20.10	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	22.90	22.97	22.93	24.50
		MID	QPSK	23.05	23.08	23.07	24.50
		HIGH	QPSK	22.92	22.96	22.90	24.50
	36	LOW	QPSK	22.06	22.09	22.09	23.50
		MID	QPSK	22.09	22.09	22.08	23.50
		HIGH	QPSK	22.07	22.06	22.01	23.50
	75	LOW	QPSK	22.09	22.05	22.07	23.50
	1	LOW	Q16	21.81	22.24	22.35	23.50
		MID	Q16	21.94	22.39	22.46	23.50
15	36	HIGH	Q16	21.78	22.35	22.17	23.50
		LOW	Q16	21.11	21.05	21.06	22.50
		MID	Q16	21.07	21.06	21.10	22.50
	75	HIGH	Q16	21.03	21.07	20.99	22.50
		LOW	Q16	21.12	21.09	21.04	22.50
	1	LOW	64QAM	20.73	21.17	21.21	22.50
		MID	64QAM	20.81	21.39	21.50	22.50
		HIGH	64QAM	20.88	21.49	21.12	22.50
15	36	LOW	64QAM	20.16	20.08	19.92	21.50
		MID	64QAM	20.13	19.99	20.25	21.50
		HIGH	64QAM	20.13	19.99	19.97	21.50
	75	LOW	64QAM	20.07	20.03	20.01	21.50

LTE B26-Level1&2 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.03	19.78	19.96	20.50	
		MID	QPSK	19.85	19.92	19.94	20.50	
		HIGH	QPSK	19.78	19.93	19.78	20.50	
	3	LOW	QPSK	19.87	19.97	19.99	20.50	
		MID	QPSK	19.72	19.94	20.10	20.50	
		HIGH	QPSK	19.78	19.92	19.69	20.50	
	6	LOW	QPSK	19.96	19.89	19.84	20.50	
	1.4	1	LOW	Q16	19.82	19.75	19.90	20.50
			MID	Q16	19.88	20.04	19.70	20.50
HIGH			Q16	19.65	19.79	19.64	20.50	
3		LOW	Q16	19.75	19.77	20.02	20.50	
		MID	Q16	20.08	19.89	19.68	20.50	
		HIGH	Q16	19.85	19.86	19.93	20.50	
6		LOW	Q16	19.96	19.89	19.86	20.50	
1.4		1	LOW	64QAM	19.89	19.65	19.88	20.50
			MID	64QAM	19.76	19.94	19.75	20.50
	HIGH		64QAM	19.74	19.92	19.76	20.50	
	3	LOW	64QAM	19.83	19.88	19.95	20.50	
		MID	64QAM	20.07	20.03	19.54	20.50	
		HIGH	64QAM	19.96	20.00	20.01	20.50	
	6	LOW	64QAM	19.89	19.91	19.91	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	3	1	LOW	QPSK	19.77	20.04	19.69	20.50
MID			QPSK	19.92	19.86	19.75	20.50	
HIGH			QPSK	19.83	19.91	19.76	20.50	
8		LOW	QPSK	19.92	20.06	19.97	20.50	
		MID	QPSK	19.69	19.91	20.03	20.50	
		HIGH	QPSK	19.68	19.82	19.78	20.50	
15		LOW	QPSK	19.84	19.75	19.89	20.50	
3		1	LOW	Q16	19.67	19.73	19.73	20.50
			MID	Q16	19.91	19.96	19.89	20.50
	HIGH		Q16	19.88	19.94	19.79	20.50	
	8	LOW	Q16	19.86	19.81	19.90	20.50	
		MID	Q16	20.05	19.73	19.71	20.50	
		HIGH	Q16	19.78	19.88	19.95	20.50	
	15	LOW	Q16	19.85	19.90	19.84	20.50	
	3	1	LOW	64QAM	19.93	19.69	19.88	20.50
			MID	64QAM	19.79	19.80	19.80	20.50
HIGH			64QAM	19.95	19.78	19.87	20.50	
8		LOW	64QAM	19.67	19.83	19.90	20.50	
		MID	64QAM	19.97	19.66	19.88	20.50	
		HIGH	64QAM	19.82	19.78	19.87	20.50	
15		LOW	64QAM	19.98	19.79	19.71	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	20.00	19.89	19.78	20.50
	MID		QPSK	19.88	19.77	19.87	20.50	
	HIGH		QPSK	19.86	19.88	19.91	20.50	
	12	LOW	QPSK	19.95	19.99	19.82	20.50	
		MID	QPSK	19.69	19.94	19.92	20.50	
		HIGH	QPSK	19.76	20.07	19.63	20.50	
	25	LOW	QPSK	19.87	19.91	19.72	20.50	
	5	1	LOW	Q16	19.94	19.98	19.96	20.50
			MID	Q16	19.94	19.75	19.98	20.50
HIGH			Q16	19.79	20.00	19.86	20.50	
12		LOW	Q16	19.80	19.85	19.90	20.50	
		MID	Q16	19.81	19.85	19.88	20.50	
		HIGH	Q16	19.79	19.90	20.03	20.50	
25		LOW	Q16	19.90	19.91	19.81	20.50	
5		1	LOW	64QAM	19.94	19.94	19.82	20.50
			MID	64QAM	19.96	19.80	19.61	20.50
	HIGH		64QAM	19.89	19.94	19.83	20.50	
	12	LOW	64QAM	19.95	19.99	20.00	20.50	
		MID	64QAM	19.91	19.91	19.82	20.50	
		HIGH	64QAM	19.96	19.84	19.89	20.50	
	25	LOW	64QAM	19.95	19.66	19.74	20.50	

LTE B26-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	19.98	19.82	19.74	20.50
		MID	QPSK	19.78	19.99	19.78	20.50
		HIGH	QPSK	19.83	19.87	19.69	20.50
	25	LOW	QPSK	19.78	20.01	19.89	20.50
		MID	QPSK	19.78	19.94	19.97	20.50
		HIGH	QPSK	19.85	19.96	19.81	20.50
	50	LOW	QPSK	20.05	19.84	19.69	20.50
		LOW	Q16	19.68	19.96	19.79	20.50
		MID	Q16	19.86	19.74	19.87	20.50
10	1	MID	Q16	19.91	19.87	19.72	20.50
		HIGH	Q16	19.74	19.81	19.81	20.50
	25	LOW	Q16	19.99	19.96	19.86	20.50
		MID	Q16	19.76	20.01	19.88	20.50
		HIGH	Q16	19.75	19.99	19.92	20.50
	50	LOW	Q16	19.75	19.99	19.92	20.50
	1	LOW	64QAM	20.01	19.74	19.86	20.50
		MID	64QAM	19.98	19.72	19.79	20.50
		HIGH	64QAM	19.76	19.83	19.75	20.50
10	25	LOW	64QAM	19.92	19.90	19.91	20.50
		MID	64QAM	20.01	19.76	19.89	20.50
		HIGH	64QAM	19.81	19.81	20.01	20.50
	50	LOW	64QAM	19.93	19.70	19.67	20.50
	15	LOW	QPSK	19.88	19.92	19.83	20.50
		MID	QPSK	19.84	19.85	19.80	20.50
		HIGH	QPSK	19.90	19.83	19.77	20.50
	36	LOW	QPSK	19.93	19.95	19.93	20.50
		MID	QPSK	19.76	19.79	19.95	20.50
		HIGH	QPSK	19.77	19.92	19.78	20.50
15	75	LOW	QPSK	19.87	19.92	19.82	20.50
		LOW	Q16	19.82	19.86	19.85	20.50
		MID	Q16	19.88	19.89	19.85	20.50
	1	HIGH	Q16	19.77	19.87	19.78	20.50
		LOW	Q16	19.82	19.79	19.91	20.50
		MID	Q16	19.95	19.87	19.80	20.50
	36	HIGH	Q16	19.89	19.95	19.88	20.50
		LOW	Q16	19.84	19.85	19.82	20.50
		LOW	64QAM	19.93	19.81	19.93	20.50
15	1	MID	64QAM	19.87	19.75	19.75	20.50
		HIGH	64QAM	19.85	19.93	19.88	20.50
	36	LOW	64QAM	19.81	19.88	19.94	20.50
		MID	64QAM	19.91	19.80	19.95	20.50
		HIGH	64QAM	19.85	19.79	19.95	20.50
	75	LOW	64QAM	19.92	19.77	19.80	20.50

8.3.9 LTE Band66 Output Power

LTE B66-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.93	22.87	22.69	24.50
		MID	QPSK	23.40	23.23	23.19	24.50
		HIGH	QPSK	22.86	22.82	22.93	24.50
	3	LOW	QPSK	23.01	23.01	22.77	24.50
		MID	QPSK	23.43	23.23	23.23	24.50
		HIGH	QPSK	23.08	22.97	22.95	24.50
	6	LOW	QPSK	22.34	22.15	22.20	23.50
	1.4	LOW	Q16	22.32	22.13	22.05	23.50
		MID	Q16	22.15	22.19	22.26	23.50
		HIGH	Q16	22.35	22.16	22.06	23.50
		LOW	Q16	22.26	22.06	22.27	23.50
		MID	Q16	22.19	22.23	22.18	23.50
		HIGH	Q16	22.33	22.09	22.09	23.50
	6	LOW	Q16	21.41	21.07	21.11	22.50
1.4	1	LOW	64QAM	21.18	20.99	21.14	22.50
		MID	64QAM	21.02	21.14	21.34	22.50
		HIGH	64QAM	21.38	21.16	21.13	22.50
	3	LOW	64QAM	21.15	21.10	21.14	22.50
		MID	64QAM	21.32	21.26	21.12	22.50
		HIGH	64QAM	21.21	21.23	21.14	22.50
	6	LOW	64QAM	20.46	20.15	20.03	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	22.75	22.74	22.79	24.50
		MID	QPSK	23.41	23.39	23.12	24.50
		HIGH	QPSK	22.92	22.84	22.69	24.50
	8	LOW	QPSK	22.08	22.12	22.15	23.50
		MID	QPSK	22.36	22.28	22.04	23.50
		HIGH	QPSK	22.17	22.18	22.14	23.50
	15	LOW	QPSK	22.33	22.10	22.07	23.50
	3	LOW	Q16	22.33	22.26	22.03	23.50
		MID	Q16	22.81	22.52	22.65	23.50
		HIGH	Q16	22.40	22.14	22.19	23.50
		LOW	Q16	21.33	20.91	21.26	22.50
		MID	Q16	21.31	21.12	21.11	22.50
		HIGH	Q16	21.39	21.09	21.14	22.50
	15	LOW	Q16	21.23	21.18	21.11	22.50
3	1	LOW	64QAM	21.29	21.49	21.15	22.50
		MID	64QAM	21.88	21.75	21.69	22.50
		HIGH	64QAM	21.38	21.36	21.31	22.50
	8	LOW	64QAM	20.28	20.12	20.28	21.50
		MID	64QAM	20.38	20.19	20.20	21.50
		HIGH	64QAM	19.99	20.29	20.20	21.50
	15	LOW	64QAM	20.47	20.06	20.40	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	22.75	22.93	22.76	24.50
		MID	QPSK	23.31	23.23	23.13	24.50
		HIGH	QPSK	22.89	22.80	22.86	24.50
	12	LOW	QPSK	22.12	21.92	22.08	23.50
		MID	QPSK	22.35	22.20	22.26	23.50
		HIGH	QPSK	22.20	22.01	22.16	23.50
	25	LOW	QPSK	22.22	22.02	22.27	23.50
	5	LOW	Q16	22.52	22.27	22.15	23.50
		MID	Q16	22.80	22.56	22.77	23.50
		HIGH	Q16	22.57	22.11	22.39	23.50
		LOW	Q16	21.32	21.09	21.04	22.50
		MID	Q16	21.28	21.18	21.03	22.50
		HIGH	Q16	21.27	21.17	21.01	22.50
	25	LOW	Q16	21.27	21.04	21.29	22.50
5	1	LOW	64QAM	21.42	21.46	21.17	22.50
		MID	64QAM	21.85	21.79	21.61	22.50
		HIGH	64QAM	21.40	21.18	21.35	22.50
	12	LOW	64QAM	20.11	20.08	20.07	21.50
		MID	64QAM	20.21	20.23	20.32	21.50
		HIGH	64QAM	20.04	20.12	19.97	21.50
	25	LOW	64QAM	20.53	20.08	20.22	21.50

LTE B66-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	22.98	22.72	22.87	24.50
		MID	QPSK	23.21	23.28	23.10	24.50
		HIGH	QPSK	22.81	22.87	22.94	24.50
	25	LOW	QPSK	22.18	22.10	22.18	23.50
		MID	QPSK	22.24	22.27	22.14	23.50
		HIGH	QPSK	22.15	22.01	22.00	23.50
	50	LOW	QPSK	22.16	22.07	22.18	23.50
	10	LOW	Q16	22.37	22.47	22.29	23.50
		MID	Q16	23.08	22.55	22.54	23.50
		HIGH	Q16	22.56	22.28	22.14	23.50
		LOW	Q16	21.17	20.91	21.25	22.50
		MID	Q16	21.33	21.08	21.27	22.50
		HIGH	Q16	21.16	21.17	21.09	22.50
	50	LOW	Q16	21.33	21.12	21.28	22.50
10	1	LOW	64QAM	21.56	21.31	21.12	22.50
		MID	64QAM	21.86	21.66	21.66	22.50
		HIGH	64QAM	21.36	21.23	21.15	22.50
	25	LOW	64QAM	20.23	19.96	20.08	21.50
		MID	64QAM	20.20	20.23	20.06	21.50
		HIGH	64QAM	20.20	20.21	20.00	21.50
	50	LOW	64QAM	20.42	20.19	20.21	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	22.97	22.78	22.58	24.50
		MID	QPSK	23.33	23.34	23.12	24.50
		HIGH	QPSK	23.03	22.80	22.91	24.50
	36	LOW	QPSK	22.16	22.16	22.13	23.50
		MID	QPSK	22.25	22.01	22.31	23.50
		HIGH	QPSK	22.07	22.05	22.12	23.50
	75	LOW	QPSK	22.23	21.98	22.01	23.50
	15	LOW	Q16	22.53	22.23	22.14	23.50
		MID	Q16	23.01	22.77	22.59	23.50
		HIGH	Q16	22.51	22.35	22.35	23.50
		LOW	Q16	21.34	21.00	21.30	22.50
		MID	Q16	21.30	21.09	21.29	22.50
		HIGH	Q16	21.15	21.20	20.94	22.50
	75	LOW	Q16	21.27	21.12	21.31	22.50
15	1	LOW	64QAM	21.51	21.28	21.29	22.50
		MID	64QAM	21.82	21.86	21.76	22.50
		HIGH	64QAM	21.36	21.35	21.17	22.50
	36	LOW	64QAM	20.05	19.88	20.17	21.50
		MID	64QAM	20.39	20.17	20.29	21.50
		HIGH	64QAM	20.12	20.04	20.02	21.50
	75	LOW	64QAM	20.37	19.95	20.42	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	22.90	22.87	22.73	24.50
		MID	QPSK	23.28	23.30	23.21	24.50
		HIGH	QPSK	22.96	22.88	22.81	24.50
	50	LOW	QPSK	22.15	22.02	22.20	23.50
		MID	QPSK	22.22	22.23	22.16	23.50
		HIGH	QPSK	22.20	22.13	22.11	23.50
	100	LOW	QPSK	22.23	22.09	22.13	23.50
	20	LOW	Q16	22.40	22.32	22.17	23.50
		MID	Q16	22.93	22.67	22.63	23.50
		HIGH	Q16	22.48	22.26	22.24	23.50
		LOW	Q16	21.26	21.06	21.19	22.50
		MID	Q16	21.28	21.17	21.17	22.50
		HIGH	Q16	21.25	21.17	21.09	22.50
	100	LOW	Q16	21.24	21.10	21.16	22.50
20	1	LOW	64QAM	21.44	21.35	21.24	22.50
		MID	64QAM	21.82	21.81	21.74	22.50
		HIGH	64QAM	21.42	21.24	21.28	22.50
	50	LOW	64QAM	20.18	20.02	20.15	21.50
		MID	64QAM	20.31	20.15	20.20	21.50
		HIGH	64QAM	20.13	20.18	20.10	21.50
	100	LOW	64QAM	20.38	20.10	20.27	21.50

LTE B66-Full Power -Ant.1							
Bandwidth (Mh)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.07	15.01	15.02	15.50
		MID	QPSK	15.11	15.17	15.08	15.50
		HIGH	QPSK	15.17	15.28	15.23	15.50
	3	LOW	QPSK	15.04	15.06	15.04	15.50
		MID	QPSK	15.28	15.11	15.12	15.50
		HIGH	QPSK	15.25	15.02	15.06	15.50
	6	LOW	QPSK	15.15	15.17	14.95	15.50
	1.4	LOW	Q16	15.04	15.32	15.21	15.50
		MID	Q16	15.05	15.22	15.17	15.50
		HIGH	Q16	15.20	15.15	15.29	15.50
		LOW	Q16	15.19	15.20	15.10	15.50
		MID	Q16	15.20	15.24	15.20	15.50
		HIGH	Q16	15.31	15.20	15.16	15.50
	6	LOW	Q16	14.98	15.31	15.20	15.50
1.4	1	LOW	64QAM	15.15	15.27	15.14	15.50
		MID	64QAM	14.99	15.08	15.29	15.50
		HIGH	64QAM	15.09	15.01	15.38	15.50
	3	LOW	64QAM	15.28	15.35	15.17	15.50
		MID	64QAM	15.34	15.36	15.22	15.50
		HIGH	64QAM	15.19	15.19	15.31	15.50
	6	LOW	64QAM	14.99	15.29	15.29	15.50
Bandwidth (Mh)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	15.02	15.17	15.05	15.50
		MID	QPSK	15.11	15.23	15.17	15.50
		HIGH	QPSK	15.21	15.31	15.21	15.50
	8	LOW	QPSK	15.12	15.08	15.07	15.50
		MID	QPSK	15.37	14.92	15.15	15.50
		HIGH	QPSK	15.32	15.10	15.31	15.50
	15	LOW	QPSK	15.30	15.04	15.20	15.50
	3	LOW	Q16	15.20	15.24	15.22	15.50
		MID	Q16	15.01	15.17	15.10	15.50
		HIGH	Q16	15.28	15.13	15.29	15.50
		LOW	Q16	15.02	15.11	15.23	15.50
		MID	Q16	15.24	15.23	15.13	15.50
		HIGH	Q16	15.04	15.19	15.27	15.50
	15	LOW	Q16	15.16	15.31	15.04	15.50
3	1	LOW	64QAM	15.13	14.94	15.21	15.50
		MID	64QAM	15.39	14.92	15.16	15.50
		HIGH	64QAM	14.98	15.24	15.06	15.50
	8	LOW	64QAM	15.24	15.02	15.02	15.50
		MID	64QAM	15.16	15.22	15.26	15.50
		HIGH	64QAM	15.26	15.14	15.23	15.50
	15	LOW	64QAM	15.11	15.14	15.22	15.50
Bandwidth (Mh)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	15.12	14.98	14.95	15.50
		MID	QPSK	15.11	15.15	15.00	15.50
		HIGH	QPSK	15.32	15.10	15.10	15.50
	12	LOW	QPSK	15.03	15.20	15.18	15.50
		MID	QPSK	15.37	15.11	15.34	15.50
		HIGH	QPSK	15.32	15.06	15.12	15.50
	25	LOW	QPSK	15.25	14.97	15.17	15.50
	5	LOW	Q16	15.08	15.07	15.07	15.50
		MID	Q16	15.06	15.30	15.09	15.50
		HIGH	Q16	15.31	15.16	15.10	15.50
		LOW	Q16	14.94	15.03	15.25	15.50
		MID	Q16	15.21	15.17	15.16	15.50
		HIGH	Q16	15.24	15.12	15.23	15.50
	25	LOW	Q16	15.23	15.33	14.96	15.50
5	1	LOW	64QAM	15.09	15.15	15.38	15.50
		MID	64QAM	15.24	15.05	15.06	15.50
		HIGH	64QAM	14.92	15.20	15.22	15.50
	12	LOW	64QAM	15.04	14.96	15.03	15.50
		MID	64QAM	15.06	15.29	15.29	15.50
		HIGH	64QAM	15.15	15.26	15.38	15.50
	25	LOW	64QAM	15.19	15.15	15.25	15.50

LTE B66-Full Power -Ant.1							
Bandwidth (Mh)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	15.24	15.19	15.20	15.50
		MID	QPSK	15.19	15.35	15.21	15.50
		HIGH	QPSK	15.21	15.38	15.24	15.50
	25	LOW	QPSK	15.18	14.97	15.11	15.50
		MID	QPSK	15.13	15.17	15.10	15.50
		HIGH	QPSK	15.18	15.27	15.19	15.50
	50	LOW	QPSK	15.06	15.16	15.09	15.50
		LOW	Q16	15.07	15.20	15.27	15.50
		MID	Q16	15.14	15.17	15.03	15.50
10	1	HIGH	Q16	15.27	15.21	15.29	15.50
		LOW	Q16	15.09	15.24	15.26	15.50
		MID	Q16	15.17	15.13	14.98	15.50
	25	HIGH	Q16	15.20	14.97	15.08	15.50
		LOW	Q16	14.96	15.30	14.98	15.50
		LOW	Q16	15.07	15.20	15.27	15.50
	50	MID	Q16	15.14	15.17	15.03	15.50
		HIGH	Q16	15.27	15.21	15.29	15.50
		LOW	Q16	15.09	15.24	15.26	15.50
10	1	LOW	64QAM	15.21	15.15	15.39	15.50
		MID	64QAM	15.10	15.01	15.28	15.50
		HIGH	64QAM	15.01	15.25	15.05	15.50
	25	LOW	64QAM	15.02	15.03	14.96	15.50
		MID	64QAM	15.14	15.37	15.25	15.50
		HIGH	64QAM	15.22	15.33	15.28	15.50
	50	LOW	64QAM	15.09	14.93	15.08	15.50
		LOW	Q16	15.07	15.20	15.27	15.50
		MID	Q16	15.14	15.17	15.03	15.50
Bandwidth (Mh)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	15.15	15.00	14.98	15.50
		MID	QPSK	15.28	15.10	15.30	15.50
		HIGH	QPSK	15.26	15.19	15.13	15.50
	36	LOW	QPSK	14.94	15.08	15.23	15.50
		MID	QPSK	15.39	15.19	15.24	15.50
		HIGH	QPSK	15.16	15.21	15.19	15.50
	75	LOW	QPSK	15.12	14.94	15.19	15.50
		LOW	Q16	15.11	15.06	15.21	15.50
		MID	Q16	15.12	15.05	15.23	15.50
15	1	HIGH	Q16	15.15	15.10	15.08	15.50
		LOW	Q16	15.14	15.18	15.21	15.50
		MID	Q16	15.12	15.25	14.96	15.50
	36	HIGH	Q16	15.18	15.19	15.16	15.50
		LOW	Q16	15.09	15.22	15.12	15.50
		MID	Q16	15.12	15.05	15.23	15.50
	75	LOW	Q16	15.09	15.22	15.12	15.50
		LOW	64QAM	15.16	14.94	15.30	15.50
		MID	64QAM	15.39	14.92	15.32	15.50
15	1	HIGH	64QAM	14.91	15.24	15.11	15.50
		LOW	64QAM	15.22	15.11	15.14	15.50
		MID	64QAM	15.23	15.16	15.26	15.50
	36	HIGH	64QAM	15.25	15.10	15.22	15.50
		LOW	64QAM	15.03	15.12	15.23	15.50
		MID	64QAM	15.39	14.92	15.32	15.50
	75	LOW	64QAM	15.03	15.12	15.23	15.50
		LOW	Q16	15.09	15.22	15.12	15.50
		MID	Q16	15.12	15.05	15.23	15.50
Bandwidth (Mh)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	15.11	15.12	15.08	15.50
		MID	QPSK	15.22	15.25	15.15	15.50
		HIGH	QPSK	15.21	15.22	15.23	15.50
	50	LOW	QPSK	15.07	15.10	15.16	15.50
		MID	QPSK	15.06	15.25	15.20	15.50
		HIGH	QPSK	15.20	15.13	15.19	15.50
	100	LOW	QPSK	15.18	15.07	15.06	15.50
		LOW	Q16	15.16	15.17	15.12	15.50
		MID	Q16	15.08	15.20	15.10	15.50
20	1	HIGH	Q16	15.22	15.24	15.17	15.50
		LOW	Q16	15.09	15.15	15.12	15.50
		MID	Q16	15.20	15.23	15.06	15.50
	50	HIGH	Q16	15.18	15.09	15.13	15.50
		LOW	Q16	15.08	15.18	15.07	15.50
		MID	Q16	15.16	15.17	15.12	15.50
	100	LOW	Q16	15.08	15.18	15.07	15.50
		LOW	64QAM	15.15	15.09	15.25	15.50
		MID	64QAM	15.24	15.06	15.19	15.50
20	1	HIGH	64QAM	15.05	15.25	15.08	15.50
		LOW	64QAM	15.10	15.06	15.06	15.50
		MID	64QAM	15.08	15.22	15.22	15.50
	50	HIGH	64QAM	15.18	15.22	15.23	15.50
		LOW	64QAM	15.12	15.07	15.19	15.50
		MID	64QAM	15.08	15.22	15.22	15.50
	100	LOW	64QAM	15.12	15.07	15.19	15.50
		LOW	Q16	15.08	15.18	15.07	15.50
		MID	Q16	15.16	15.17	15.12	15.50

8.3.1 LTE Band38 Output Power

LTE B38-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.05	22.82	22.83	24.50
		MID	QPSK	23.29	23.26	23.23	24.50
		HIGH	QPSK	22.85	22.74	22.98	24.50
	12	LOW	QPSK	22.13	22.13	22.30	23.50
		MID	QPSK	22.24	22.33	22.16	23.50
		HIGH	QPSK	22.26	22.07	22.18	23.50
	25	LOW	QPSK	22.21	22.26	22.07	23.50
5	1	LOW	Q16	21.94	21.79	22.17	23.50
		MID	Q16	22.19	22.02	22.17	23.50
		HIGH	Q16	21.89	21.75	22.09	23.50
	12	LOW	Q16	21.11	21.14	21.28	22.50
		MID	Q16	21.28	21.24	21.30	22.50
		HIGH	Q16	21.15	21.10	21.26	22.50
	25	LOW	Q16	21.15	21.22	21.27	22.50
5	1	LOW	64QAM	20.97	20.89	21.15	22.50
		MID	64QAM	21.28	20.93	21.08	22.50
		HIGH	64QAM	21.03	20.69	21.06	22.50
	12	LOW	64QAM	20.20	20.19	20.31	21.50
		MID	64QAM	20.34	20.23	20.17	21.50
		HIGH	64QAM	20.08	20.04	20.31	21.50
	25	LOW	64QAM	20.11	20.18	20.23	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	22.94	22.92	23.10	24.50
		MID	QPSK	23.29	23.27	23.30	24.50
		HIGH	QPSK	23.07	22.94	22.76	24.50
	25	LOW	QPSK	22.05	22.20	22.14	23.50
		MID	QPSK	22.07	22.15	22.05	23.50
		HIGH	QPSK	22.18	22.09	22.16	23.50
	50	LOW	QPSK	22.18	22.18	22.04	23.50
10	1	LOW	Q16	22.02	21.80	22.07	23.50
		MID	Q16	22.22	22.24	22.39	23.50
		HIGH	Q16	21.97	21.68	21.95	23.50
	25	LOW	Q16	21.18	21.09	21.38	22.50
		MID	Q16	21.14	21.22	21.33	22.50
		HIGH	Q16	21.15	21.08	21.09	22.50
	50	LOW	Q16	21.25	21.25	21.20	22.50
10	1	LOW	64QAM	21.07	20.58	21.07	22.50
		MID	64QAM	21.21	21.03	21.19	22.50
		HIGH	64QAM	21.06	20.84	20.93	22.50
	25	LOW	64QAM	20.27	20.31	20.50	21.50
		MID	64QAM	20.04	20.32	20.25	21.50
		HIGH	64QAM	20.14	19.95	20.29	21.50
	50	LOW	64QAM	20.20	20.12	20.24	21.50

LTE B38-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	22.99	22.92	22.88	24.50
		MID	QPSK	23.43	23.39	23.35	24.50
		HIGH	QPSK	22.94	22.95	23.03	24.50
	36	LOW	QPSK	22.22	22.31	22.17	23.50
		MID	QPSK	22.22	22.33	22.23	23.50
		HIGH	QPSK	22.09	22.19	22.21	23.50
	75	LOW	QPSK	22.32	22.17	22.23	23.50
15	1	LOW	Q16	22.11	21.74	21.94	23.50
		MID	Q16	22.30	22.16	22.36	23.50
		HIGH	Q16	21.99	21.91	22.15	23.50
	36	LOW	Q16	21.05	21.25	21.13	22.50
		MID	Q16	21.21	21.10	21.29	22.50
		HIGH	Q16	21.19	21.06	21.20	22.50
	75	LOW	Q16	21.08	21.09	21.25	22.50
15	1	LOW	64QAM	20.98	20.84	20.91	22.50
		MID	64QAM	21.03	20.86	21.25	22.50
		HIGH	64QAM	20.95	20.93	21.11	22.50
	36	LOW	64QAM	20.16	20.18	20.46	21.50
		MID	64QAM	20.00	20.24	20.08	21.50
		HIGH	64QAM	20.00	20.06	20.24	21.50
	75	LOW	64QAM	20.13	20.15	20.08	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.05	22.95	22.97	24.50
		MID	QPSK	23.24	23.29	23.28	24.50
		HIGH	QPSK	22.98	22.89	22.90	24.50
	50	LOW	QPSK	22.17	22.20	22.22	23.50
		MID	QPSK	22.19	22.25	22.17	23.50
		HIGH	QPSK	22.19	22.15	22.10	23.50
	100	LOW	QPSK	22.16	22.17	22.16	23.50
20	1	LOW	Q16	21.97	21.84	22.06	23.50
		MID	Q16	22.22	22.10	22.32	23.50
		HIGH	Q16	21.92	21.79	22.00	23.50
	50	LOW	Q16	21.15	21.23	21.26	22.50
		MID	Q16	21.20	21.24	21.23	22.50
		HIGH	Q16	21.17	21.13	21.15	22.50
	100	LOW	Q16	21.18	21.19	21.16	22.50
20	1	LOW	64QAM	21.08	20.71	21.00	22.50
		MID	64QAM	21.12	20.99	21.28	22.50
		HIGH	64QAM	20.99	20.78	20.96	22.50
	50	LOW	64QAM	20.20	20.24	20.36	21.50
		MID	64QAM	20.09	20.27	20.15	21.50
		HIGH	64QAM	20.09	20.07	20.14	21.50
	100	LOW	64QAM	20.08	20.17	20.19	21.50

LTE B38-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	14.63	14.49	14.41	15.50
		MID	QPSK	14.72	14.53	14.81	15.50
		HIGH	QPSK	14.40	14.44	14.83	15.50
	12	LOW	QPSK	14.41	14.56	14.79	15.50
		MID	QPSK	14.30	14.45	14.44	15.50
		HIGH	QPSK	14.59	14.60	14.44	15.50
5	1	LOW	Q16	14.44	14.56	14.45	15.50
		MID	Q16	14.60	14.56	14.70	15.50
		HIGH	Q16	14.64	14.47	14.74	15.50
	12	LOW	Q16	14.53	14.54	14.33	15.50
		MID	Q16	14.44	14.31	14.62	15.50
		HIGH	Q16	14.41	14.71	14.59	15.50
	25	LOW	Q16	14.55	14.56	14.39	15.50
		MID	Q16	14.56	14.67	14.53	15.50
		HIGH	Q16	14.56	14.67	14.53	15.50
5	1	LOW	64QAM	14.47	14.43	14.58	15.50
		MID	64QAM	14.57	14.39	14.64	15.50
		HIGH	64QAM	14.65	14.48	14.20	15.50
	12	LOW	64QAM	14.43	14.30	14.57	15.50
		MID	64QAM	14.39	14.68	14.57	15.50
		HIGH	64QAM	14.43	14.59	14.24	15.50
	25	LOW	64QAM	14.49	14.80	14.42	15.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	14.55	14.47	14.44	15.50
		MID	QPSK	14.76	14.49	14.85	15.50
		HIGH	QPSK	14.48	14.59	14.72	15.50
	25	LOW	QPSK	14.35	14.52	14.66	15.50
		MID	QPSK	14.59	14.28	14.28	15.50
		HIGH	QPSK	14.32	14.57	14.43	15.50
10	50	LOW	QPSK	14.53	14.48	14.42	15.50
	1	LOW	Q16	14.58	14.28	14.83	15.50
		MID	Q16	14.48	14.59	14.62	15.50
		HIGH	Q16	14.38	14.55	14.39	15.50
	25	LOW	Q16	14.63	14.40	14.58	15.50
		MID	Q16	14.42	14.70	14.51	15.50
		HIGH	Q16	14.47	14.38	14.59	15.50
	50	LOW	Q16	14.33	14.67	14.56	15.50
10	1	LOW	64QAM	14.40	14.68	14.65	15.50
		MID	64QAM	14.63	14.58	14.78	15.50
		HIGH	64QAM	14.39	14.67	14.58	15.50
	25	LOW	64QAM	14.78	14.44	14.77	15.50
		MID	64QAM	14.46	14.51	14.44	15.50
		HIGH	64QAM	14.58	14.50	14.36	15.50
	50	LOW	64QAM	14.28	14.76	14.64	15.50

LTE B38-Level1&2 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	14.37	14.68	14.37	15.50
		MID	QPSK	14.47	14.56	14.61	15.50
		HIGH	QPSK	14.46	14.50	14.77	15.50
	36	LOW	QPSK	14.36	14.56	14.57	15.50
		MID	QPSK	14.50	14.51	14.31	15.50
		HIGH	QPSK	14.30	14.78	14.61	15.50
	75	LOW	QPSK	14.49	14.47	14.47	15.50
15	1	LOW	Q16	14.55	14.38	14.76	15.50
		MID	Q16	14.53	14.49	14.80	15.50
		HIGH	Q16	14.28	14.54	14.42	15.50
	36	LOW	Q16	14.63	14.34	14.63	15.50
		MID	Q16	14.60	14.55	14.38	15.50
		HIGH	Q16	14.70	14.32	14.50	15.50
	75	LOW	Q16	14.49	14.42	14.65	15.50
15	1	LOW	64QAM	14.48	14.64	14.81	15.50
		MID	64QAM	14.43	14.55	14.50	15.50
		HIGH	64QAM	14.29	14.51	14.67	15.50
	36	LOW	64QAM	14.56	14.25	14.85	15.50
		MID	64QAM	14.62	14.64	14.41	15.50
		HIGH	64QAM	14.54	14.41	14.29	15.50
	75	LOW	64QAM	14.55	14.52	14.57	15.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	14.49	14.58	14.46	15.50
		MID	QPSK	14.61	14.71	14.71	15.50
		HIGH	QPSK	14.49	14.44	14.63	15.50
	50	LOW	QPSK	14.48	14.47	14.44	15.50
		MID	QPSK	14.65	14.69	14.54	15.50
		HIGH	QPSK	14.49	14.57	14.43	15.50
	100	LOW	QPSK	14.46	14.47	14.45	15.50
20	1	LOW	Q16	14.66	14.42	14.70	15.50
		MID	Q16	14.51	14.55	14.66	15.50
		HIGH	Q16	14.42	14.69	14.48	15.50
	50	LOW	Q16	14.53	14.42	14.60	15.50
		MID	Q16	14.54	14.56	14.45	15.50
		HIGH	Q16	14.55	14.46	14.44	15.50
	100	LOW	Q16	14.48	14.53	14.58	15.50
20	1	LOW	64QAM	14.53	14.55	14.79	15.50
		MID	64QAM	14.57	14.69	14.65	15.50
		HIGH	64QAM	14.33	14.61	14.53	15.50
	50	LOW	64QAM	14.65	14.31	14.71	15.50
		MID	64QAM	14.50	14.62	14.54	15.50
		HIGH	64QAM	14.53	14.41	14.41	15.50
	100	LOW	64QAM	14.43	14.62	14.64	15.50

8.3.11LTE Band41 Output Power

BL-SZ2531395-AP				LTE B41-Full Power -Ant.1						
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.00	23.05	22.92	22.81	22.83	24.50	
		MID	QPSK	23.49	23.30	23.13	23.11	23.09	24.50	
		HIGH	QPSK	22.86	23.11	22.73	23.02	22.62	24.50	
	12	LOW	QPSK	22.29	22.18	22.15	21.93	22.02	23.50	
		MID	QPSK	22.21	22.27	21.96	22.19	21.84	23.50	
		HIGH	QPSK	22.15	22.19	22.01	21.97	22.00	23.50	
	25	LOW	QPSK	22.42	22.24	21.95	21.92	21.87	23.50	
	5	1	LOW	Q16	21.97	21.67	22.02	22.10	21.53	23.50
			MID	Q16	22.16	22.37	22.24	22.11	22.09	23.50
HIGH			Q16	21.89	21.92	21.85	22.14	21.68	23.50	
12		LOW	Q16	21.29	21.18	20.93	21.03	21.03	22.50	
		MID	Q16	21.19	21.30	21.12	21.16	21.06	22.50	
		HIGH	Q16	21.21	21.25	21.04	20.85	21.01	22.50	
25		LOW	Q16	21.37	21.32	20.89	21.01	20.91	22.50	
5		1	LOW	64QAM	20.92	20.66	21.05	21.14	20.50	22.50
			MID	64QAM	21.12	21.31	21.33	21.01	20.98	22.50
	HIGH		64QAM	21.02	20.85	20.80	21.23	20.62	22.50	
	12	LOW	64QAM	20.19	20.06	19.99	19.99	20.18	21.50	
		MID	64QAM	20.28	20.19	20.16	20.11	20.16	21.50	
		HIGH	64QAM	20.21	20.19	20.05	19.92	19.93	21.50	
	25	LOW	64QAM	20.48	20.40	19.99	20.07	19.77	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.18	23.34	22.90	22.80	22.62	24.50
MID			QPSK	23.44	23.11	23.19	23.32	23.00	24.50	
HIGH			QPSK	22.88	22.85	22.72	22.95	22.85	24.50	
25		LOW	QPSK	22.28	22.18	22.00	22.23	22.01	23.50	
		MID	QPSK	22.45	22.25	21.99	21.96	21.82	23.50	
		HIGH	QPSK	22.29	22.21	21.83	22.02	22.06	23.50	
50	LOW	QPSK	22.35	22.40	22.09	21.86	21.81	23.50		
10	1	LOW	Q16	21.89	22.09	22.02	21.82	21.67	23.50	
		MID	Q16	22.30	22.28	22.34	22.26	21.91	23.50	
		HIGH	Q16	21.87	21.94	21.88	21.89	21.60	23.50	
	25	LOW	Q16	21.42	21.28	21.04	21.18	20.76	22.50	
		MID	Q16	21.30	21.37	20.99	21.33	20.83	22.50	
		HIGH	Q16	21.17	21.21	20.99	20.89	21.05	22.50	
50	LOW	Q16	21.36	21.42	21.02	20.86	20.82	22.50		
10	1	LOW	64QAM	20.96	20.97	20.83	20.87	20.68	22.50	
		MID	64QAM	21.34	21.21	21.28	21.38	21.00	22.50	
		HIGH	64QAM	20.99	20.88	21.07	20.89	20.86	22.50	
	25	LOW	64QAM	20.24	20.55	20.08	20.17	19.91	21.50	
		MID	64QAM	20.28	20.30	20.14	20.24	19.94	21.50	
		HIGH	64QAM	20.47	20.16	20.06	20.09	19.78	21.50	
50	LOW	64QAM	20.28	20.33	19.79	19.68	19.94	21.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	22.97	23.12	22.66	22.80	22.82	24.50
		MID	QPSK	23.51	23.26	23.04	23.37	22.98	24.50
		HIGH	QPSK	23.12	22.94	22.93	22.90	22.88	24.50
	36	LOW	QPSK	22.34	22.16	22.02	22.14	21.87	23.50
		MID	QPSK	22.41	22.39	22.11	22.07	21.86	23.50
		HIGH	QPSK	22.34	22.22	21.96	21.94	21.94	23.50
	75	LOW	QPSK	22.23	22.23	21.97	22.00	21.89	23.50
15	1	LOW	Q16	21.90	22.02	21.98	21.96	21.52	23.50
		MID	Q16	22.21	22.28	22.19	22.14	22.10	23.50
		HIGH	Q16	22.02	21.86	22.00	21.98	21.66	23.50
	36	LOW	Q16	21.27	21.29	21.19	20.93	20.84	22.50
		MID	Q16	21.23	21.36	21.20	21.21	21.01	22.50
		HIGH	Q16	21.42	21.18	21.00	21.10	20.87	22.50
	75	LOW	Q16	21.29	21.43	21.09	20.89	20.95	22.50
15	1	LOW	64QAM	20.88	20.88	20.94	20.79	20.60	22.50
		MID	64QAM	21.48	21.08	21.24	21.37	21.02	22.50
		HIGH	64QAM	20.81	20.73	20.88	20.86	20.69	22.50
	36	LOW	64QAM	20.23	20.39	20.12	19.97	19.88	21.50
		MID	64QAM	20.28	20.33	20.11	20.12	20.13	21.50
		HIGH	64QAM	20.41	20.02	20.10	20.06	19.90	21.50
	75	LOW	64QAM	20.17	20.21	19.78	19.77	20.03	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	23.04	23.19	22.79	22.71	22.70	24.50
		MID	QPSK	23.18	23.25	23.36	23.27	23.11	24.50
		HIGH	QPSK	23.01	22.91	22.79	22.94	22.77	24.50
	50	LOW	QPSK	22.35	22.21	22.02	22.12	21.95	23.50
		MID	QPSK	22.33	22.09	22.39	22.02	21.95	23.50
		HIGH	QPSK	22.26	22.15	21.97	22.07	21.93	23.50
	100	LOW	QPSK	22.30	22.31	21.96	22.00	21.89	23.50
20	1	LOW	Q16	21.92	21.94	21.91	21.85	21.65	23.50
		MID	Q16	22.24	22.13	22.23	22.14	22.02	23.50
		HIGH	Q16	21.88	21.80	21.89	21.86	21.70	23.50
	50	LOW	Q16	21.33	21.30	21.08	21.03	20.89	22.50
		MID	Q16	21.33	21.28	21.12	21.18	20.91	22.50
		HIGH	Q16	21.27	21.27	21.04	20.98	20.91	22.50
	100	LOW	Q16	21.29	21.38	20.99	20.87	20.90	22.50
20	1	LOW	64QAM	20.91	20.85	20.93	20.93	20.59	22.50
		MID	64QAM	21.38	21.20	21.17	21.27	21.08	22.50
		HIGH	64QAM	20.85	20.85	21.03	20.76	20.78	22.50
	50	LOW	64QAM	20.24	20.40	20.03	20.11	19.86	21.50
		MID	64QAM	20.39	20.38	20.06	20.21	19.98	21.50
		HIGH	64QAM	20.35	20.16	19.98	19.99	19.79	21.50
	100	LOW	64QAM	20.21	20.28	19.84	19.77	20.03	21.50

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Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	15.16	15.23	14.91	15.23	15.03	15.50
		MID	QPSK	15.11	15.01	15.03	15.19	15.10	15.50
		HIGH	QPSK	14.90	15.10	15.07	15.08	15.00	15.50
	12	LOW	QPSK	15.19	15.31	15.09	14.92	14.97	15.50
		MID	QPSK	14.95	15.11	15.05	14.94	14.99	15.50
		HIGH	QPSK	15.32	15.19	15.20	14.87	15.21	15.50
	25	LOW	QPSK	15.01	15.10	15.33	15.12	14.97	15.50
5	1	LOW	Q16	15.21	15.21	15.31	15.24	15.11	15.50
		MID	Q16	15.12	14.96	15.22	15.05	15.13	15.50
		HIGH	Q16	15.18	15.21	15.06	15.12	15.04	15.50
	12	LOW	Q16	15.12	14.96	15.09	14.95	14.96	15.50
		MID	Q16	15.02	15.17	15.04	15.34	15.32	15.50
		HIGH	Q16	15.21	15.24	15.08	14.95	14.90	15.50
	25	LOW	Q16	14.93	15.13	15.13	15.16	15.28	15.50
5	1	LOW	64QAM	15.26	15.20	15.23	15.20	15.07	15.50
		MID	64QAM	15.25	15.02	15.37	14.97	15.04	15.50
		HIGH	64QAM	15.08	15.32	14.93	15.25	15.11	15.50
	12	LOW	64QAM	15.06	14.87	15.14	14.99	14.85	15.50
		MID	64QAM	15.08	15.16	14.98	15.22	15.43	15.50
		HIGH	64QAM	15.26	15.11	14.93	14.91	15.04	15.50
	25	LOW	64QAM	15.04	15.20	15.12	15.05	15.27	15.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	15.26	15.04	15.09	15.16	15.10	15.50
		MID	QPSK	15.40	15.36	15.07	14.96	15.13	15.50
		HIGH	QPSK	14.93	15.04	14.98	14.91	14.99	15.50
	25	LOW	QPSK	15.24	14.95	14.99	14.86	15.06	15.50
		MID	QPSK	14.99	14.84	15.05	15.22	15.19	15.50
		HIGH	QPSK	15.19	15.16	15.05	15.06	15.37	15.50
10	50	LOW	QPSK	14.94	15.04	15.36	15.18	15.14	15.50
	1	LOW	Q16	15.17	15.34	15.02	14.89	15.11	15.50
		MID	Q16	15.02	15.22	15.27	15.20	15.21	15.50
		HIGH	Q16	15.08	15.32	15.20	14.90	14.83	15.50
	25	LOW	Q16	15.13	15.02	15.05	15.14	14.90	15.50
		MID	Q16	15.28	15.34	14.94	15.26	15.08	15.50
		HIGH	Q16	15.30	15.35	14.87	14.98	14.99	15.50
	50	LOW	Q16	15.06	14.97	15.27	15.22	15.09	15.50
10	1	LOW	64QAM	15.13	15.20	15.09	15.13	15.10	15.50
		MID	64QAM	15.18	15.07	15.01	15.20	15.07	15.50
		HIGH	64QAM	14.93	15.13	15.25	15.06	15.16	15.50
	25	LOW	64QAM	15.14	15.12	15.09	15.12	15.02	15.50
		MID	64QAM	15.09	15.18	15.21	15.14	15.12	15.50
		HIGH	64QAM	15.27	15.32	15.29	14.70	15.15	15.50
	50	LOW	64QAM	15.17	14.91	15.10	15.49	14.82	15.50

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Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	15.34	15.34	15.13	15.20	15.04	15.50
		MID	QPSK	15.39	15.19	15.14	14.93	15.33	15.50
		HIGH	QPSK	14.92	15.01	15.12	14.90	15.12	15.50
	36	LOW	QPSK	15.21	14.95	15.04	14.99	14.95	15.50
		MID	QPSK	14.96	14.80	14.99	15.15	14.97	15.50
		HIGH	QPSK	15.03	15.20	15.19	15.13	15.26	15.50
	75	LOW	QPSK	15.04	15.03	15.29	15.46	15.09	15.50
	15	1	LOW	Q16	15.25	15.29	15.28	15.05	15.50
			MID	Q16	15.19	15.28	15.09	15.06	15.50
			HIGH	Q16	15.23	15.13	15.19	14.95	15.50
		36	LOW	Q16	15.18	15.13	15.00	15.32	14.97
			MID	Q16	15.12	15.38	15.11	15.15	15.08
			HIGH	Q16	15.22	15.25	15.07	14.90	14.84
15	1	LOW	Q16	15.16	14.87	15.09	15.26	15.15	15.50
		LOW	64QAM	15.13	15.22	15.17	14.90	15.38	15.50
		MID	64QAM	15.09	15.08	15.17	15.27	15.08	15.50
	36	HIGH	64QAM	15.01	15.21	15.06	15.11	15.19	15.50
		LOW	64QAM	15.13	15.09	15.19	15.04	15.00	15.50
		MID	64QAM	15.13	15.38	15.30	15.25	15.25	15.50
		HIGH	64QAM	15.17	15.29	15.29	14.72	15.32	15.50
		LOW	64QAM	15.11	14.83	15.16	15.49	14.87	15.50
		LOW	64QAM	15.11	14.83	15.16	15.49	14.87	15.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	13.16	13.29	13.30	13.35	13.18	14.50
		MID	QPSK	13.19	13.35	13.47	13.20	13.41	14.50
		HIGH	QPSK	13.21	13.36	13.43	13.22	13.18	14.50
	50	LOW	QPSK	13.27	13.19	13.53	13.47	13.32	14.50
		MID	QPSK	13.50	13.41	13.59	13.46	13.39	14.50
		HIGH	QPSK	13.56	13.53	13.58	13.39	13.25	14.50
	100	LOW	QPSK	13.53	13.31	13.59	13.27	13.43	14.50
	20	1	LOW	Q16	13.57	13.40	13.31	13.34	13.45
			MID	Q16	13.51	13.24	13.34	13.39	13.25
			HIGH	Q16	13.59	13.52	13.37	13.30	13.35
		50	LOW	Q16	13.27	13.50	13.16	13.17	13.29
			MID	Q16	13.16	13.40	13.51	13.24	13.47
			HIGH	Q16	13.50	13.34	13.46	13.18	13.32
20	1	LOW	Q16	13.22	13.19	13.34	13.54	13.42	14.50
		LOW	64QAM	13.30	13.41	13.26	13.56	13.38	14.50
		MID	64QAM	13.28	13.25	13.28	13.59	13.23	14.50
	50	HIGH	64QAM	13.17	13.44	13.45	13.23	13.56	14.50
		LOW	64QAM	13.16	13.29	13.20	13.41	13.47	14.50
		MID	64QAM	13.33	13.26	13.58	13.44	13.26	14.50
		HIGH	64QAM	13.23	13.42	13.35	13.39	13.54	14.50
	100	LOW	64QAM	13.30	13.46	13.57	13.16	13.57	14.50
		LOW	64QAM	13.30	13.46	13.57	13.16	13.57	14.50

8.4 WIFI Output Power

WIFI2. 4G-ANT2-Full Power						
2.4	Mode	Channel	Frequency	AV power (dBm)	Tune up (dBm)	SAR Test Require.
	11b	1	2412	16.19	17.00	Yes
		6	2437	16.84	17.00	Yes
		11	2462	16.42	17.00	Yes
	11g	1	2412	15.60	17.00	No
		6	2437	16.40	17.00	No
		11	2462	16.03	17.00	No
	11n-HT20	1	2412	15.58	17.00	No
		6	2437	16.24	17.00	No
		11	2462	16.04	17.00	No
	11n-HT40	3	2422	14.94	17.00	No
		6	2437	15.28	17.00	No
		9	2452	15.39	17.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required. Adjusted SAR = $1.011 * (50.12\text{mW}/50.12\text{mW}) = 1.011$ W/Kg, so 2.4G OFDM SAR test is not required.

WIFI5G-ANT2-Full Power						
5.2	Mode	Channel	Frequency	AV power (dBm)	Tune up (dBm)	SAR Test Require.
	11a	36	5180	17.01	18.50	No
		44	5220	16.92	18.50	No
		48	5240	16.98	18.50	No
	11n20	36	5180	17.21	18.50	No
		44	5220	16.95	18.50	No
		48	5240	17.09	18.50	No
	11n40	38	5190	16.60	18.00	No
		46	5230	16.69	18.00	No
	11ac20	36	5180	17.36	18.50	No
		44	5220	17.25	18.50	No
		48	5240	16.91	18.50	No
	11ac40	38	5190	16.64	18.00	No
		46	5230	16.49	18.00	No
11ac80	42	5210	16.68	18.00	No	
5.3	11a	52	5260	17.12	18.50	Yes
		60	5300	17.10	18.50	Yes
		64	5320	17.23	18.50	Yes
	11n20	52	5260	16.57	18.50	No
		60	5300	16.63	18.50	No
		64	5320	16.76	18.50	No
	11n40	54	5270	16.21	17.50	No
		62	5310	16.20	17.50	No
	11ac20	52	5260	16.70	17.50	No
		60	5300	16.87	18.50	No
		64	5320	16.86	18.50	No
	11ac40	54	5270	16.75	18.00	No
		62	5310	16.71	18.00	No
	11ac80	58	5290	16.99	18.00	No
5.6	11a	100	5500	17.93	18.50	Yes
		116	5580	17.94	18.50	Yes
		140	5700	15.44	16.50	Yes
	11n20	100	5500	17.12	18.50	No
		116	5580	17.26	18.50	No
		140	5700	15.26	16.50	No
	11n40	102	5510	15.60	17.50	No
		118	5590	16.90	18.00	No
		134	5670	16.53	18.00	No
	11ac20	100	5500	16.73	18.50	No
		116	5580	16.85	18.50	No
		140	5700	15.31	16.50	No
	11ac40	102	5510	15.55	17.00	No
		118	5590	15.42	17.00	No
134		5670	14.65	16.00	No	
11ac80	106	5530	14.94	16.50	No	
	122	5610	16.74	18.00	No	
5.8	11a	149	5745	17.65	18.50	Yes
		157	5785	17.77	18.50	Yes
		165	5825	17.78	18.50	Yes
	11n20	149	5745	17.06	18.50	No
		157	5785	17.17	18.50	No
		165	5825	17.34	18.50	No
	11n40	151	5755	16.68	18.00	No
		159	5795	16.73	18.00	No
		149	5745	16.71	18.50	No
	11ac20	157	5785	16.55	18.50	No
		165	5825	16.60	18.50	No
		151	5755	16.59	18.00	No
	11ac40	159	5795	16.69	18.00	No
		155	5775	16.70	18.00	No
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power. 2) When multiple transmission modes (802.11a/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac.						

WIFI2. 4G-ANT2-Level1						
2. 4	Mode	Channel	Frequency	AV power (dBm)	Tune up (dBm)	SAR Test Require.
	11b	1	2412	10.05	11.00	Yes
		6	2437	9.89	11.00	Yes
		11	2462	10.11	11.00	Yes
	11g	1	2412	9.58	11.00	No
		6	2437	9.73	11.00	No
		11	2462	9.95	11.00	No
	11n-HT20	1	2412	9.64	11.00	No
		6	2437	9.90	11.00	No
		11	2462	9.94	11.00	No
	11n-HT40	3	2422	9.11	10.50	No
		6	2437	9.32	10.50	No
		9	2452	9.07	10.50	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required. Adjusted SAR = $1.011 * (12.59\text{mW}/12.59\text{mW}) = 1.011$ W/Kg, so 2.4G OFDM SAR test is not required.

WIFI5G-ANT2-Level1						
5.2	Mode	Channel	Frequency	AV power (dBm)	Tune up (dBm)	SAR Test Require.
	11a	36	5180	14.20	15.50	No
		44	5220	14.11	15.50	No
		48	5240	13.91	15.50	No
	11n20	36	5180	13.83	15.50	No
		44	5220	13.98	15.50	No
		48	5240	13.92	15.50	No
	11n40	38	5190	13.38	15.00	No
		46	5230	13.70	15.00	No
	11ac20	36	5180	13.84	15.50	No
		44	5220	14.21	15.50	No
		48	5240	14.09	15.50	No
	11ac40	38	5190	13.69	15.00	No
		46	5230	13.65	15.00	No
11ac80	42	5210	13.79	15.00	No	
5.3	11a	52	5260	14.05	15.50	Yes
		60	5300	14.23	15.50	Yes
		64	5320	14.11	15.50	Yes
	11n20	52	5260	14.05	15.50	No
		60	5300	14.13	15.50	No
		64	5320	14.01	15.50	No
	11n40	54	5270	13.51	15.00	No
		62	5310	13.49	15.00	No
	11ac20	52	5260	14.12	15.50	No
		60	5300	13.88	15.50	No
		64	5320	14.01	15.50	No
	11ac40	54	5270	13.64	15.00	No
		62	5310	13.79	15.00	No
	11ac80	58	5290	13.63	15.00	No
5.6	11a	100	5500	12.85	13.00	Yes
		116	5580	12.94	13.00	Yes
		140	5700	12.83	13.00	Yes
	11n20	100	5500	11.59	13.00	No
		116	5580	11.43	13.00	No
		140	5700	11.40	13.00	No
	11n40	102	5510	11.05	12.50	No
		118	5590	11.04	12.50	No
		134	5670	10.98	12.50	No
	11ac20	100	5500	11.44	13.00	No
		116	5580	11.49	13.00	No
		140	5700	11.39	13.00	No
	11ac40	102	5510	10.87	12.50	No
		118	5590	11.23	12.50	No
134		5670	11.24	12.50	No	
11ac80	106	5530	11.05	12.50	No	
	122	5610	10.83	12.50	No	
5.8	11a	149	5745	12.53	13.50	Yes
		157	5785	12.65	13.50	Yes
		165	5825	12.44	13.50	Yes
	11n20	149	5745	11.95	13.50	No
		157	5785	11.99	13.50	No
		165	5825	11.93	13.50	No
	11n40	151	5755	11.66	13.00	No
		159	5795	11.73	13.00	No
	11ac20	149	5745	11.89	13.50	No
		157	5785	11.88	13.50	No
		165	5825	12.15	13.50	No
	11ac40	151	5755	11.39	13.00	No
		159	5795	11.39	13.00	No
	11ac80	155	5775	11.44	13.00	No
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power. 2) When multiple transmission modes (802.11a/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac.						

WIFI2. 4G-ANT2-Level2						
2. 4	Mode	Channel	Frequency	AV power (dBm)	Tune up (dBm)	SAR Test Require.
	11b	1	2412	8. 14	10. 00	Yes
		6	2437	8. 13	10. 00	Yes
		11	2462	8. 23	10. 00	Yes
	11g	1	2412	8. 60	10. 00	No
		6	2437	8. 46	10. 00	No
		11	2462	8. 60	10. 00	No
	11n-HT20	1	2412	8. 53	10. 00	No
		6	2437	8. 51	10. 00	No
		11	2462	8. 63	10. 00	No
	11n-HT40	3	2422	8. 15	9. 50	No
		6	2437	8. 16	9. 50	No
		9	2452	7. 85	9. 50	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required. Adjusted SAR = $1.011 * (10\text{mW}/10\text{mW}) = 1.011$ W/Kg, so 2.4G OFDM SAR test is not required.

WIFI5G-ANT2-Level12						
5.2	Mode	Channel	Frequency	AV power (dBm)	Tune up (dBm))	SAR Test Require.
	11a	36	5180	10.10	11.50	No
		44	5220	10.09	11.50	No
		48	5240	9.92	11.50	No
	11n20	36	5180	10.03	11.50	No
		44	5220	9.97	11.50	No
		48	5240	9.95	11.50	No
	11n40	38	5190	9.40	11.00	No
		46	5230	9.63	11.00	No
	11ac20	36	5180	10.19	11.50	No
		44	5220	9.88	11.50	No
		48	5240	10.02	11.50	No
	11ac40	38	5190	9.77	11.00	No
		46	5230	9.31	11.00	No
11ac80	42	5210	9.52	11.00	No	
5.3	11a	52	5260	11.34	11.50	Yes
		60	5300	11.26	11.50	Yes
		64	5320	11.23	11.50	Yes
	11n20	52	5260	10.17	11.50	No
		60	5300	9.80	11.50	No
		64	5320	10.30	11.50	No
	11n40	54	5270	9.44	11.00	No
		62	5310	9.45	11.00	No
	11ac20	52	5260	9.85	11.50	No
		60	5300	10.24	11.50	No
		64	5320	10.21	11.50	No
	11ac40	54	5270	9.43	11.00	No
		62	5310	9.58	11.00	No
	11ac80	58	5290	9.72	11.00	No
5.6	11a	100	5500	10.44	10.50	Yes
		116	5580	10.41	10.50	Yes
		140	5700	10.46	10.50	Yes
	11n20	100	5500	9.26	10.50	No
		116	5580	9.06	10.50	No
		140	5700	8.85	10.50	No
	11n40	102	5510	8.67	10.00	No
		118	5590	8.70	10.00	No
		134	5670	8.73	10.00	No
	11ac20	100	5500	8.97	10.50	No
		116	5580	8.93	10.50	No
		140	5700	8.80	10.50	No
	11ac40	102	5510	8.80	10.00	No
		118	5590	8.63	10.00	No
134		5670	8.45	10.00	No	
11ac80	106	5530	8.55	10.00	No	
	122	5610	8.80	10.00	No	
5.8	11a	149	5745	10.13	10.50	Yes
		157	5785	10.21	10.50	Yes
		165	5825	10.16	10.50	Yes
	11n20	149	5745	9.01	10.50	No
		157	5785	9.19	10.50	No
		165	5825	8.92	10.50	No
	11n40	151	5755	8.47	10.00	No
		159	5795	8.58	10.00	No
	11ac20	149	5745	9.17	10.50	No
		157	5785	9.11	10.50	No
		165	5825	9.10	10.50	No
	11ac40	151	5755	8.64	10.00	No
		159	5795	8.35	10.00	No
	11ac80	155	5775	8.37	10.00	No
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power. 2) When multiple transmission modes (802.11a/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac.						

8.5 BT Output Power

Bluetooth-Ant. 2-Full Power						
Test Mode	Modulation	Channel number	Frequency (MHz)	AV power (dBm)	Tune up (dBm))	SAR Test Require.
BT	DH5	0	2402	9.95	10.50	Yes
		39	2441	10.38	10.50	Yes
		78	2480	8.40	9.50	Yes
	2DH5	0	2402	9.53	10.50	No
		39	2441	9.32	10.50	No
		78	2480	8.45	9.50	No
	3DH5	0	2402	9.35	10.50	No
		39	2441	9.62	10.50	No
		78	2480	8.40	9.50	No
	BLE-1M	0	2402	9.38	10.50	No
		19	2440	9.59	10.50	No
		39	2480	8.62	9.50	No
	BLE-2M	1	2404	9.26	10.50	No
		19	2440	9.41	10.50	No
		38	2478	8.60	9.50	No
Note 1: Since Bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode. 2: According to Section 7.4.1, as single transmitter, the exclusion threshold limit is 20 mW. The maximum turn-up power is: 9.00 (dBm) = 7.94 (mW), which is less than the exclusion threshold limit (20 mW), so the SAR evaluation is not required						