

8 CONDUCTED RF OUPUT POWER

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8.1 GSM Output Power

GSM-Ant.2									
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm)
Channel	128	190	251			128	190	251	
GSM (GMSK, 1-Slot)	30.00	30.31	30.16	31.00	9.19	20.81	21.12	20.97	21.81
GPRS (GMSK, 1-Slot)	29.88	30.18	30.01	31.00	9.19	20.69	20.99	20.82	21.81
GPRS (GMSK, 2-Slots)	30.05	30.34	30.17	31.00	6.13	23.92	24.21	24.04	24.87
GPRS (GMSK, 3-Slots)	27.77	28.04	27.88	29.00	4.42	23.35	23.62	23.46	24.58
GPRS (GMSK, 4-Slots)	26.48	26.80	26.63	28.00	3.18	23.30	23.62	23.45	24.82
EGPRS (8PSK, 1-Slot)	27.85	28.07	27.97	29.00	9.19	18.66	18.88	18.78	19.81
EGPRS (8PSK, 2-Slots)	25.19	25.31	25.31	26.00	6.13	19.06	19.18	19.18	19.87
EGPRS (8PSK, 3-Slots)	22.86	23.02	23.04	24.00	4.42	18.44	18.60	18.62	19.58
EGPRS (8PSK, 4-Slots)	21.52	21.44	21.83	22.00	3.18	18.34	18.26	18.65	18.82
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged			Tune-up Power(dBm)
Channel	512	661	810			512	661	810	
GSM (GMSK, 1-Slot)	24.66	24.77	24.81	26.00	9.19	15.47	15.58	15.62	16.81
GPRS (GMSK, 1-Slot)	24.61	24.72	24.74	26.00	9.19	15.42	15.53	15.55	16.81
GPRS (GMSK, 2-Slots)	23.34	23.45	23.48	25.00	6.13	17.21	17.32	17.35	18.87
GPRS (GMSK, 3-Slots)	22.65	22.78	22.83	24.00	4.42	18.23	18.36	18.41	19.58
GPRS (GMSK, 4-Slots)	22.30	22.45	22.54	23.00	3.18	19.12	19.27	19.36	19.82
EGPRS (8PSK, 1-Slot)	20.72	20.52	20.19	22.00	9.19	11.53	11.33	11.00	12.81
EGPRS (8PSK, 2-Slots)	14.22	13.93	13.93	15.00	6.13	8.09	7.80	7.80	8.87
EGPRS (8PSK, 3-Slots)	11.51	11.46	11.45	12.00	4.42	7.09	7.04	7.03	7.58
EGPRS (8PSK, 4-Slots)	10.13	10.17	10.15	12.00	3.18	6.95	6.99	6.97	8.82

8.1 GSM Output Power

GSM-Ant.0									
GSM850 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm)
Channel	128	190	251			128	190	251	
GSM (GMSK, 1-Slot)	29.30	29.69	29.62	30.00	9.19	20.11	20.50	20.43	20.81
GPRS (GMSK, 1-Slot)	29.20	29.56	29.48	30.00	9.19	20.01	20.37	20.29	20.81
GPRS (GMSK, 2-Slots)	29.40	29.75	29.67	30.00	6.13	23.27	23.62	23.54	23.87
GPRS (GMSK, 3-Slots)	27.13	27.45	27.39	28.00	4.42	22.71	23.03	22.97	23.58
GPRS (GMSK, 4-Slots)	25.83	26.20	26.14	27.00	3.18	22.65	23.02	22.96	23.82
EGPRS (8PSK, 1-Slot)	27.31	27.47	27.63	28.00	9.19	18.12	18.28	18.44	18.81
EGPRS (8PSK, 2-Slots)	24.62	24.79	24.91	26.00	6.13	18.49	18.66	18.78	19.87
EGPRS (8PSK, 3-Slots)	22.38	22.58	22.61	23.00	4.42	17.96	18.16	18.19	18.58
EGPRS (8PSK, 4-Slots)	21.18	21.37	21.29	22.00	3.18	18.00	18.19	18.11	18.82
GSM1900 Band	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged			Tune-up Power(dBm)
Channel	512	661	810			512	661	810	
GSM (GMSK, 1-Slot)	24.59	24.68	24.77	26.00	9.19	15.40	15.49	15.58	16.81
GPRS (GMSK, 1-Slot)	24.67	24.72	24.79	26.00	9.19	15.48	15.53	15.60	16.81
GPRS (GMSK, 2-Slots)	23.52	23.57	23.66	25.00	6.13	17.39	17.44	17.53	18.87
GPRS (GMSK, 3-Slots)	23.26	23.31	23.41	25.00	4.42	18.84	18.89	18.99	20.58
GPRS (GMSK, 4-Slots)	23.03	23.11	23.20	25.00	3.18	19.85	19.93	20.02	21.82
EGPRS (8PSK, 1-Slot)	26.87	26.71	26.73	28.00	9.19	17.68	17.52	17.54	18.81
EGPRS (8PSK, 2-Slots)	20.42	20.42	20.23	22.00	6.13	14.29	14.29	14.10	15.87
EGPRS (8PSK, 3-Slots)	20.08	19.90	19.90	21.00	4.42	15.66	15.48	15.48	16.58
EGPRS (8PSK, 4-Slots)	19.70	19.63	19.01	21.00	3.18	16.52	16.45	15.83	17.82

8.2 WCDMA Output Power

WCDMA-Ant.2				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	15.44	15.53	15.39	16.50
RMC 12.2Kbps	15.55	15.57	15.53	16.50
HSDPA Subtest-1	15.54	15.53	15.43	16.50
HSDPA Subtest-2	15.50	15.49	15.61	16.50
HSDPA Subtest-3	15.10	15.05	14.94	15.50
HSDPA Subtest-4	15.15	14.99	14.88	15.50
HSUPA Subtest-1	13.45	13.27	13.27	13.50
HSUPA Subtest-2	13.45	13.51	13.65	14.50
HSUPA Subtest-3	14.59	14.52	14.58	15.00
HSUPA Subtest-4	13.22	13.03	13.10	13.50
HSUPA Subtest-5	14.37	14.49	14.29	15.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	16.37	16.45	16.53	18.00
RMC 12.2Kbps	16.50	16.51	16.61	18.00
HSDPA Subtest-1	16.53	16.50	16.66	18.00
HSDPA Subtest-2	16.52	16.50	16.55	18.00
HSDPA Subtest-3	16.21	16.05	16.17	17.50
HSDPA Subtest-4	16.18	16.02	16.08	17.50
HSUPA Subtest-1	14.39	14.27	14.25	16.00
HSUPA Subtest-2	14.66	14.49	14.55	16.00
HSUPA Subtest-3	15.63	15.53	15.43	17.00
HSUPA Subtest-4	14.17	14.02	13.91	15.50
HSUPA Subtest-5	15.34	15.49	15.56	16.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	21.12	21.23	21.17	23.00
RMC 12.2Kbps	21.25	21.31	21.32	23.00
HSDPA Subtest-1	21.38	21.34	21.23	22.00
HSDPA Subtest-2	21.28	21.32	21.47	23.00
HSDPA Subtest-3	20.85	20.84	20.82	22.00
HSDPA Subtest-4	20.73	20.79	20.61	22.00
HSUPA Subtest-1	19.19	19.08	18.94	20.00
HSUPA Subtest-2	19.28	19.32	19.25	21.00
HSUPA Subtest-3	20.35	20.34	20.41	22.00
HSUPA Subtest-4	18.79	18.85	18.86	20.00
HSUPA Subtest-5	20.12	20.30	20.49	21.00

8.2 WCDMA Output Power

WCDMA-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	14.96	14.77	14.75	16.50
RMC 12.2Kbps	14.99	14.90	14.83	16.50
HSDPA Subtest-1	15.12	14.93	15.01	16.50
HSDPA Subtest-2	14.85	14.94	14.80	16.50
HSDPA Subtest-3	14.48	14.38	14.34	15.50
HSDPA Subtest-4	14.35	14.38	14.27	15.50
HSUPA Subtest-1	12.83	12.65	12.56	13.50
HSUPA Subtest-2	12.92	12.96	13.10	13.50
HSUPA Subtest-3	13.77	13.92	14.03	14.50
HSUPA Subtest-4	12.50	12.42	12.53	13.50
HSUPA Subtest-5	13.75	13.90	13.84	14.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	15.78	15.64	15.89	17.00
RMC 12.2Kbps	15.83	15.78	16.01	17.00
HSDPA Subtest-1	15.77	15.83	15.75	17.00
HSDPA Subtest-2	15.88	15.85	15.98	17.00
HSDPA Subtest-3	15.51	15.33	15.30	17.00
HSDPA Subtest-4	15.13	15.27	15.19	17.00
HSUPA Subtest-1	13.64	13.58	13.38	15.00
HSUPA Subtest-2	13.82	13.84	13.76	15.00
HSUPA Subtest-3	14.99	14.84	15.01	16.00
HSUPA Subtest-4	13.39	13.33	13.53	15.00
HSUPA Subtest-5	14.63	14.82	14.84	16.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	20.71	20.75	20.71	22.00
RMC 12.2Kbps	20.73	20.79	20.78	22.00
HSDPA Subtest-1	21.02	20.83	20.68	22.00
HSDPA Subtest-2	20.88	20.84	20.77	22.00
HSDPA Subtest-3	20.25	20.33	20.25	22.00
HSDPA Subtest-4	20.15	20.29	20.40	22.00
HSUPA Subtest-1	18.64	18.57	18.47	19.00
HSUPA Subtest-2	18.93	18.87	18.77	19.00
HSUPA Subtest-3	19.77	19.84	19.84	20.00
HSUPA Subtest-4	18.46	18.34	18.17	19.00
HSUPA Subtest-5	19.68	19.81	19.85	20.00

8.3.1 LTE Band2 Output Power

LTE B2-Ant.2							
Bandwidth (M	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.53	15.63	15.48	17.00
		MID	QPSK	15.69	15.72	15.67	17.00
		HIGH	QPSK	15.77	15.62	15.54	17.00
	3	LOW	QPSK	15.65	15.55	15.42	17.00
		MID	QPSK	15.93	15.73	15.73	17.00
		HIGH	QPSK	15.70	15.60	15.71	17.00
6	LOW	QPSK	14.46	14.64	14.41	16.00	
1.4	1	LOW	Q16	14.92	15.00	15.11	16.00
		MID	Q16	15.16	15.17	15.10	16.00
		HIGH	Q16	14.96	15.20	14.86	16.00
	3	LOW	Q16	14.79	14.87	14.47	16.00
		MID	Q16	14.81	14.67	14.69	16.00
		HIGH	Q16	14.63	14.59	14.70	16.00
6	LOW	Q16	13.85	13.81	13.61	15.00	
1.4	1	LOW	64QAM	14.11	14.04	14.01	15.00
		MID	64QAM	14.35	13.93	14.51	15.00
		HIGH	64QAM	13.96	14.08	14.43	15.00
	3	LOW	64QAM	13.66	13.52	13.66	15.00
		MID	64QAM	13.63	13.65	13.40	15.00
		HIGH	64QAM	13.93	14.02	14.14	15.00
6	LOW	64QAM	12.60	12.73	12.70	14.00	
Bandwidth (M	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	15.51	15.57	15.48	17.00
		MID	QPSK	15.74	15.69	15.82	17.00
		HIGH	QPSK	15.67	15.54	15.71	17.00
	8	LOW	QPSK	14.70	14.59	14.41	16.00
		MID	QPSK	14.76	14.88	14.85	16.00
		HIGH	QPSK	14.81	14.65	14.59	16.00
15	LOW	QPSK	14.75	14.74	14.62	16.00	
3	1	LOW	Q16	15.13	15.15	15.04	16.00
		MID	Q16	15.15	15.27	15.21	16.00
		HIGH	Q16	15.23	15.21	15.16	16.00
	8	LOW	Q16	13.50	13.84	13.60	15.00
		MID	Q16	13.65	13.71	13.70	15.00
		HIGH	Q16	13.72	13.62	13.43	15.00
15	LOW	Q16	13.51	13.62	13.53	15.00	
3	1	LOW	64QAM	13.87	14.03	13.87	15.00
		MID	64QAM	14.40	14.06	14.38	15.00
		HIGH	64QAM	14.02	14.03	14.30	15.00
	8	LOW	64QAM	12.58	12.62	12.73	14.00
		MID	64QAM	12.80	12.65	12.66	14.00
		HIGH	64QAM	12.62	12.64	12.40	14.00
15	LOW	64QAM	12.44	12.73	12.74	14.00	
Bandwidth (M	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	15.44	15.56	15.57	17.00
		MID	QPSK	15.96	15.74	15.70	17.00
		HIGH	QPSK	15.63	15.69	15.59	17.00
	12	LOW	QPSK	14.64	14.88	14.66	16.00
		MID	QPSK	14.66	14.82	14.80	16.00
		HIGH	QPSK	14.70	14.61	14.51	16.00
25	LOW	QPSK	14.81	14.82	14.54	16.00	
5	1	LOW	Q16	15.04	15.16	15.08	16.00
		MID	Q16	15.26	15.26	15.21	16.00
		HIGH	Q16	15.04	14.94	15.00	16.00
	12	LOW	Q16	13.51	13.72	13.39	15.00
		MID	Q16	13.86	13.56	13.72	15.00
		HIGH	Q16	13.76	13.56	13.39	15.00
25	LOW	Q16	13.71	13.82	13.53	15.00	
5	1	LOW	64QAM	13.93	14.17	13.74	15.00
		MID	64QAM	14.37	14.20	14.35	15.00
		HIGH	64QAM	13.97	14.01	14.24	15.00
	12	LOW	64QAM	12.56	12.73	12.50	14.00
		MID	64QAM	12.63	12.86	12.70	14.00
		HIGH	64QAM	12.78	12.36	12.50	14.00
25	LOW	64QAM	12.62	12.58	12.69	14.00	

LTE B2-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	15.60	15.72	15.60	17.00
		MID	QPSK	15.74	15.84	15.81	17.00
		HIGH	QPSK	15.81	15.54	15.69	17.00
	25	LOW	QPSK	14.52	14.71	14.39	16.00
		MID	QPSK	14.72	14.89	14.62	16.00
		HIGH	QPSK	14.62	14.61	14.50	16.00
	50	LOW	QPSK	14.53	14.62	14.41	16.00
		LOW	Q16	14.99	15.09	15.06	16.00
		MID	Q16	15.16	15.28	15.20	16.00
10	1	HIGH	Q16	15.00	15.07	14.96	16.00
		LOW	Q16	13.78	13.68	13.55	15.00
		MID	Q16	13.88	13.62	13.52	15.00
	25	HIGH	Q16	13.64	13.68	13.40	15.00
		LOW	Q16	13.73	13.80	13.67	15.00
		LOW	64QAM	14.07	14.05	13.96	15.00
	25	MID	64QAM	14.43	14.06	14.40	15.00
		HIGH	64QAM	14.06	14.21	14.30	15.00
	50	LOW	64QAM	12.61	12.55	12.65	14.00
10	25	MID	64QAM	12.70	12.69	12.75	14.00
		HIGH	64QAM	12.75	12.55	12.58	14.00
		LOW	64QAM	12.51	12.80	12.71	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	15.68	15.57	15.51	17.00
		MID	QPSK	15.94	15.71	15.73	17.00
		HIGH	QPSK	15.60	15.64	15.65	17.00
	36	LOW	QPSK	14.52	14.66	14.46	16.00
		MID	QPSK	14.78	14.87	14.61	16.00
		HIGH	QPSK	14.67	14.55	14.60	16.00
	75	LOW	QPSK	14.77	14.64	14.64	16.00
		LOW	Q16	15.18	15.14	15.05	16.00
		MID	Q16	15.29	15.44	15.12	16.00
15	1	HIGH	Q16	15.08	15.12	14.96	16.00
		LOW	Q16	13.54	13.60	13.53	15.00
	36	MID	Q16	13.60	13.57	13.63	15.00
		HIGH	Q16	13.82	13.48	13.65	15.00
	75	LOW	Q16	13.54	13.76	13.66	15.00
		LOW	64QAM	13.90	14.03	13.72	15.00
	36	MID	64QAM	14.49	14.20	14.21	15.00
		HIGH	64QAM	13.90	14.05	14.15	15.00
	75	LOW	64QAM	12.71	12.52	12.66	14.00
15	36	MID	64QAM	12.64	12.67	12.66	14.00
		HIGH	64QAM	12.87	12.37	12.62	14.00
		LOW	64QAM	12.46	12.84	12.58	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	15.58	15.60	15.50	17.00
		MID	QPSK	15.82	15.83	15.72	17.00
		HIGH	QPSK	15.66	15.63	15.61	17.00
	50	LOW	QPSK	14.64	14.73	14.53	16.00
		MID	QPSK	14.74	14.75	14.73	16.00
		HIGH	QPSK	14.73	14.63	14.62	16.00
	100	LOW	QPSK	14.66	14.67	14.55	16.00
		LOW	Q16	15.05	15.07	14.93	16.00
		MID	Q16	15.29	15.29	15.14	16.00
20	1	HIGH	Q16	15.11	15.08	15.03	16.00
	50	LOW	Q16	13.63	13.72	13.51	15.00
		MID	Q16	13.75	13.71	13.66	15.00
		HIGH	Q16	13.71	13.62	13.54	15.00
	100	LOW	Q16	13.65	13.67	13.54	15.00
		LOW	64QAM	14.02	14.15	13.84	15.00
	1	MID	64QAM	14.40	14.14	14.27	15.00
		HIGH	64QAM	13.99	14.13	14.17	15.00
	50	LOW	64QAM	12.65	12.58	12.65	14.00
20	50	MID	64QAM	12.65	12.79	12.80	14.00
		HIGH	64QAM	12.76	12.50	12.49	14.00
		LOW	64QAM	12.54	12.69	12.69	14.00

8.3.1 LTE Band2 Output Power

LTE B2-Ant.0							
Bandwidth (M	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm
1.4	1	LOW	QPSK	15.04	15.05	14.89	16.00
		MID	QPSK	15.31	15.27	15.30	16.00
		HIGH	QPSK	15.03	15.20	14.84	16.00
	3	LOW	QPSK	15.16	15.21	14.89	16.00
		MID	QPSK	15.31	15.22	15.02	16.00
		HIGH	QPSK	15.07	15.15	14.89	16.00
6	LOW	QPSK	14.04	14.09	14.03	15.00	
1.4	1	LOW	Q16	14.20	14.32	14.27	15.00
		MID	Q16	14.33	14.07	14.08	15.00
		HIGH	Q16	14.10	14.07	14.07	15.00
	3	LOW	Q16	14.54	14.43	14.45	15.00
		MID	Q16	14.82	14.73	14.69	15.00
		HIGH	Q16	14.53	14.69	14.27	15.00
6	LOW	Q16	13.15	13.24	12.88	14.00	
1.4	1	LOW	64QAM	13.11	13.19	13.13	14.00
		MID	64QAM	13.22	13.06	12.81	14.00
		HIGH	64QAM	13.17	13.16	12.87	14.00
	3	LOW	64QAM	13.68	13.72	13.66	14.00
		MID	64QAM	13.66	13.89	13.59	14.00
		HIGH	64QAM	13.61	13.56	13.25	14.00
6	LOW	64QAM	12.31	12.16	11.84	13.00	
Bandwidth (M	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm
3	1	LOW	QPSK	15.01	15.17	14.84	16.00
		MID	QPSK	15.35	15.13	15.09	16.00
		HIGH	QPSK	15.24	14.94	15.03	16.00
	8	LOW	QPSK	14.10	14.37	13.95	15.00
		MID	QPSK	14.11	14.14	14.17	15.00
		HIGH	QPSK	14.25	14.16	14.09	15.00
15	LOW	QPSK	14.30	14.19	13.90	15.00	
3	1	LOW	Q16	14.68	14.47	14.50	15.00
		MID	Q16	14.87	14.81	14.71	15.00
		HIGH	Q16	14.59	14.67	14.42	15.00
	8	LOW	Q16	13.09	13.23	13.02	14.00
		MID	Q16	13.22	13.22	13.06	14.00
		HIGH	Q16	13.10	13.05	13.03	14.00
15	LOW	Q16	13.05	13.06	12.98	14.00	
3	1	LOW	64QAM	13.62	13.54	13.26	14.00
		MID	64QAM	13.71	13.62	13.61	14.00
		HIGH	64QAM	13.63	13.60	13.44	14.00
	8	LOW	64QAM	12.17	12.36	11.76	13.00
		MID	64QAM	12.28	12.26	12.10	13.00
		HIGH	64QAM	12.39	12.05	11.91	13.00
15	LOW	64QAM	12.07	11.95	11.94	13.00	
Bandwidth (M	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm
5	1	LOW	QPSK	15.18	15.26	15.02	16.00
		MID	QPSK	15.41	15.17	15.24	16.00
		HIGH	QPSK	15.03	15.23	14.87	16.00
	12	LOW	QPSK	14.14	14.32	13.99	15.00
		MID	QPSK	14.11	14.26	14.24	15.00
		HIGH	QPSK	14.25	14.24	13.90	15.00
25	LOW	QPSK	14.20	14.17	13.92	15.00	
5	1	LOW	Q16	14.67	14.53	14.50	15.00
		MID	Q16	14.74	14.79	14.42	15.00
		HIGH	Q16	14.49	14.64	14.44	15.00
	12	LOW	Q16	13.13	13.28	13.04	14.00
		MID	Q16	13.20	13.32	13.02	14.00
		HIGH	Q16	13.06	13.19	12.94	14.00
25	LOW	Q16	13.26	13.13	12.86	14.00	
5	1	LOW	64QAM	13.36	13.67	13.12	14.00
		MID	64QAM	13.79	13.83	13.47	14.00
		HIGH	64QAM	13.68	13.51	13.41	14.00
	12	LOW	64QAM	12.31	12.35	11.80	13.00
		MID	64QAM	12.33	12.13	12.37	13.00
		HIGH	64QAM	12.40	12.06	11.93	13.00
25	LOW	64QAM	12.11	12.20	12.16	13.00	

LTE B2-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	15.08	15.06	14.84	16.00
		MID	QPSK	15.31	15.21	15.23	16.00
		HIGH	QPSK	15.23	15.06	15.06	16.00
	25	LOW	QPSK	14.27	14.08	13.89	15.00
		MID	QPSK	14.15	14.22	14.25	15.00
		HIGH	QPSK	14.28	14.26	14.03	15.00
	50	LOW	QPSK	14.32	14.24	14.13	15.00
		LOW	Q16	14.57	14.61	14.32	15.00
		MID	Q16	14.96	14.63	14.49	15.00
10	1	HIGH	Q16	14.77	14.65	14.48	15.00
		LOW	Q16	13.09	13.19	12.89	14.00
		MID	Q16	13.23	13.09	13.02	14.00
	25	HIGH	Q16	13.16	13.11	13.05	14.00
		LOW	Q16	13.18	13.18	12.88	14.00
		LOW	64QAM	13.49	13.79	13.27	14.00
	50	MID	64QAM	13.63	13.61	13.40	14.00
		HIGH	64QAM	13.67	13.57	13.41	14.00
		LOW	64QAM	12.29	12.35	11.87	13.00
10	1	MID	64QAM	12.22	12.28	12.32	13.00
		HIGH	64QAM	12.23	12.19	11.97	13.00
		LOW	64QAM	12.35	12.21	12.06	13.00
	25	LOW	QPSK	15.09	15.06	14.90	16.00
		MID	QPSK	15.49	15.17	15.10	16.00
		HIGH	QPSK	15.27	15.05	15.02	16.00
	36	LOW	QPSK	14.25	14.21	14.06	15.00
		MID	QPSK	14.21	14.12	14.02	15.00
		HIGH	QPSK	14.12	14.09	14.08	15.00
15	1	LOW	QPSK	14.10	14.18	13.86	15.00
		LOW	Q16	14.43	14.51	14.34	15.00
		MID	Q16	14.75	14.91	14.58	15.00
	36	HIGH	Q16	14.53	14.46	14.34	15.00
		LOW	Q16	13.01	13.28	12.87	14.00
		MID	Q16	13.15	13.27	13.07	14.00
		HIGH	Q16	13.29	13.19	12.91	14.00
	75	LOW	Q16	13.08	12.99	13.06	14.00
		LOW	64QAM	13.40	13.68	13.13	14.00
15	1	MID	64QAM	13.94	13.66	13.46	14.00
		HIGH	64QAM	13.84	13.55	13.58	14.00
		LOW	64QAM	12.27	12.19	11.75	13.00
	36	MID	64QAM	12.19	12.25	12.14	13.00
		HIGH	64QAM	12.24	12.11	11.72	13.00
		LOW	64QAM	12.30	12.09	11.92	13.00
	75	LOW	QPSK	15.07	15.13	14.96	16.00
		MID	QPSK	15.36	15.28	15.15	16.00
		HIGH	QPSK	15.14	15.09	14.99	16.00
20	1	LOW	QPSK	14.17	14.22	13.97	15.00
		MID	QPSK	14.23	14.20	14.14	15.00
		HIGH	QPSK	14.20	14.13	13.98	15.00
	50	LOW	QPSK	14.20	14.13	14.00	15.00
		LOW	Q16	14.55	14.54	14.37	15.00
		MID	Q16	14.83	14.77	14.56	15.00
	100	HIGH	Q16	14.62	14.57	14.41	15.00
		LOW	Q16	13.15	13.19	12.91	14.00
		MID	Q16	13.23	13.20	13.08	14.00
20	1	HIGH	Q16	13.19	13.11	12.92	14.00
		LOW	Q16	13.16	13.12	12.95	14.00
		LOW	64QAM	13.48	13.67	13.24	14.00
	50	MID	64QAM	13.92	13.68	13.54	14.00
		HIGH	64QAM	13.74	13.66	13.50	14.00
		LOW	64QAM	12.28	12.32	11.76	13.00
	100	MID	64QAM	12.31	12.21	12.23	13.00
		HIGH	64QAM	12.32	12.04	11.86	13.00
		LOW	64QAM	12.20	12.06	12.05	13.00

8.3.2 LTE Band4 Output Power

LTE B4-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.16	16.36	16.55	18.00
		MID	QPSK	16.76	16.49	16.58	18.00
		HIGH	QPSK	16.53	16.63	16.50	18.00
	3	LOW	QPSK	16.17	16.35	16.45	18.00
		MID	QPSK	16.48	16.72	16.80	18.00
		HIGH	QPSK	16.31	16.67	16.69	18.00
	6	LOW	QPSK	15.59	15.38	15.45	17.00
	1.4	LOW	Q16	15.76	15.94	15.98	17.00
		MID	Q16	15.85	16.33	16.11	17.00
		HIGH	Q16	15.70	16.16	15.94	17.00
		LOW	Q16	15.35	15.57	15.57	17.00
		MID	Q16	15.71	15.88	15.82	17.00
		HIGH	Q16	15.97	15.98	16.34	17.00
	6	LOW	Q16	14.50	14.52	14.53	16.00
1.4	1	LOW	64QAM	14.74	14.86	15.09	16.00
		MID	64QAM	14.90	15.16	15.22	16.00
		HIGH	64QAM	14.71	14.96	15.11	16.00
	3	LOW	64QAM	14.44	14.47	14.42	16.00
		MID	64QAM	14.33	14.38	14.42	16.00
		HIGH	64QAM	14.58	14.80	14.83	16.00
	6	LOW	64QAM	13.36	13.56	13.34	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	16.20	16.33	16.46	18.00
		MID	QPSK	16.68	16.68	16.63	18.00
		HIGH	QPSK	16.40	16.69	16.56	18.00
	8	LOW	QPSK	15.29	15.53	15.52	17.00
		MID	QPSK	15.51	15.49	15.60	17.00
		HIGH	QPSK	15.54	15.50	15.47	17.00
	15	LOW	QPSK	15.45	15.49	15.69	17.00
	3	LOW	Q16	15.81	15.88	15.88	17.00
		MID	Q16	16.05	16.18	16.09	17.00
		HIGH	Q16	15.99	16.17	16.06	17.00
		LOW	Q16	14.52	14.61	14.60	16.00
		MID	Q16	14.57	14.55	14.60	16.00
		HIGH	Q16	14.50	14.60	14.59	16.00
	15	LOW	Q16	14.44	14.40	14.39	16.00
3	1	LOW	64QAM	14.72	15.01	14.95	16.00
		MID	64QAM	14.83	15.24	15.11	16.00
		HIGH	64QAM	14.68	15.07	15.06	16.00
	8	LOW	64QAM	13.29	13.49	13.26	15.00
		MID	64QAM	13.43	13.56	13.58	15.00
		HIGH	64QAM	13.24	13.42	13.44	15.00
	15	LOW	64QAM	13.53	13.35	13.63	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	16.23	16.45	16.50	18.00
		MID	QPSK	16.58	16.62	16.71	18.00
		HIGH	QPSK	16.46	16.44	16.75	18.00
	12	LOW	QPSK	15.58	15.38	15.63	17.00
		MID	QPSK	15.65	15.52	15.65	17.00
		HIGH	QPSK	15.67	15.56	15.68	17.00
	25	LOW	QPSK	15.34	15.57	15.45	17.00
	5	LOW	Q16	15.69	15.88	15.83	17.00
		MID	Q16	16.13	16.06	16.05	17.00
		HIGH	Q16	15.88	15.90	16.12	17.00
		LOW	Q16	14.47	14.41	14.55	16.00
		MID	Q16	14.44	14.73	14.61	16.00
		HIGH	Q16	14.68	14.68	14.50	16.00
	25	LOW	Q16	14.51	14.56	14.53	16.00
5	1	LOW	64QAM	14.78	14.92	15.16	16.00
		MID	64QAM	14.83	15.22	15.15	16.00
		HIGH	64QAM	14.85	15.06	15.05	16.00
	12	LOW	64QAM	13.24	13.58	13.28	15.00
		MID	64QAM	13.51	13.56	13.62	15.00
		HIGH	64QAM	13.52	13.51	13.65	15.00
	25	LOW	64QAM	13.56	13.44	13.62	15.00

LTE B4-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	16.26	16.49	16.34	18.00
		MID	QPSK	16.58	16.59	16.76	18.00
		HIGH	QPSK	16.29	16.65	16.67	18.00
	25	LOW	QPSK	15.30	15.47	15.65	17.00
		MID	QPSK	15.67	15.72	15.64	17.00
		HIGH	QPSK	15.62	15.48	15.66	17.00
	50	LOW	QPSK	15.36	15.41	15.66	17.00
		LOW	Q16	15.69	15.88	16.02	17.00
		MID	Q16	15.96	16.21	16.32	17.00
10	1	HIGH	Q16	16.00	15.89	16.10	17.00
		LOW	Q16	14.33	14.41	14.55	16.00
		MID	Q16	14.59	14.44	14.45	16.00
	25	HIGH	Q16	14.55	14.42	14.51	16.00
		LOW	Q16	14.41	14.48	14.64	16.00
		LOW	64QAM	14.52	14.85	15.08	16.00
	25	MID	64QAM	15.11	15.31	15.10	16.00
		HIGH	64QAM	14.64	14.83	15.03	16.00
		LOW	64QAM	13.37	13.44	13.49	15.00
		MID	64QAM	13.54	13.68	13.73	15.00
		HIGH	64QAM	13.49	13.43	13.53	15.00
		LOW	64QAM	13.50	13.35	13.48	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	16.18	16.33	16.54	18.00
		MID	QPSK	16.62	16.61	16.66	18.00
		HIGH	QPSK	16.50	16.62	16.63	18.00
	36	LOW	QPSK	15.29	15.40	15.62	17.00
		MID	QPSK	15.50	15.56	15.58	17.00
		HIGH	QPSK	15.50	15.56	15.48	17.00
	75	LOW	QPSK	15.60	15.48	15.60	17.00
		LOW	Q16	15.66	15.88	15.98	17.00
		MID	Q16	15.84	16.21	16.26	17.00
15	1	HIGH	Q16	15.76	16.07	16.02	17.00
		LOW	Q16	14.50	14.41	14.60	16.00
		MID	Q16	14.52	14.54	14.66	16.00
	36	HIGH	Q16	14.62	14.60	14.62	16.00
		LOW	Q16	14.46	14.41	14.50	16.00
		LOW	64QAM	14.67	14.80	15.05	16.00
	36	MID	64QAM	14.87	15.20	15.19	16.00
		HIGH	64QAM	14.71	15.10	15.08	16.00
		LOW	64QAM	13.24	13.48	13.32	15.00
		MID	64QAM	13.60	13.52	13.68	15.00
		HIGH	64QAM	13.33	13.25	13.46	15.00
		LOW	64QAM	13.45	13.43	13.44	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	16.28	16.38	16.43	18.00
		MID	QPSK	16.60	16.65	16.67	18.00
		HIGH	QPSK	16.44	16.54	16.62	18.00
	50	LOW	QPSK	15.44	15.48	15.51	17.00
		MID	QPSK	15.54	15.58	15.59	17.00
		HIGH	QPSK	15.58	15.53	15.59	17.00
	100	LOW	QPSK	15.47	15.51	15.56	17.00
		LOW	Q16	15.69	15.87	15.87	17.00
		MID	Q16	15.99	16.11	16.19	17.00
20	1	HIGH	Q16	15.86	16.03	16.08	17.00
		LOW	Q16	14.42	14.46	14.51	16.00
		MID	Q16	14.53	14.58	14.60	16.00
	50	HIGH	Q16	14.53	14.54	14.56	16.00
		LOW	Q16	14.44	14.49	14.54	16.00
		LOW	64QAM	14.67	14.95	15.01	16.00
	50	MID	64QAM	14.98	15.26	15.11	16.00
		HIGH	64QAM	14.77	14.98	15.05	16.00
		LOW	64QAM	13.35	13.50	13.39	15.00
		MID	64QAM	13.57	13.58	13.60	15.00
		HIGH	64QAM	13.38	13.40	13.54	15.00
		LOW	64QAM	13.55	13.34	13.54	15.00

8.3.2 LTE Band4 Output Power

LTE B4-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.83	15.93	15.85	17.00
		MID	QPSK	15.87	16.19	16.14	17.00
		HIGH	QPSK	15.88	15.96	16.09	17.00
	3	LOW	QPSK	15.80	15.91	15.91	17.00
		MID	QPSK	15.87	16.03	16.30	17.00
		HIGH	QPSK	15.78	15.94	16.20	17.00
	6	LOW	QPSK	14.95	14.82	15.02	16.00
	1.4	LOW	Q16	15.01	14.93	15.14	16.00
		MID	Q16	14.92	15.03	14.99	16.00
		HIGH	Q16	15.04	14.84	14.84	16.00
		LOW	Q16	15.19	15.17	15.47	16.00
		MID	Q16	15.37	15.61	15.70	16.00
		HIGH	Q16	15.35	15.60	15.41	16.00
	6	LOW	Q16	13.91	13.90	14.11	15.00
1.4	1	LOW	64QAM	13.94	14.08	13.98	15.00
		MID	64QAM	13.99	14.06	14.09	15.00
		HIGH	64QAM	13.77	13.80	13.95	15.00
	3	LOW	64QAM	13.98	14.18	14.57	15.00
		MID	64QAM	14.40	14.45	14.72	15.00
		HIGH	64QAM	14.28	14.40	14.56	15.00
	6	LOW	64QAM	12.83	12.77	12.81	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	15.84	15.90	15.77	17.00
		MID	QPSK	15.89	16.03	16.24	17.00
		HIGH	QPSK	15.89	15.87	16.00	17.00
	8	LOW	QPSK	14.92	14.88	15.13	16.00
		MID	QPSK	15.14	15.10	15.18	16.00
		HIGH	QPSK	15.05	15.04	14.97	16.00
	15	LOW	QPSK	14.96	14.85	14.86	16.00
	3	LOW	Q16	15.13	15.19	15.31	16.00
		MID	Q16	15.33	15.43	15.55	16.00
		HIGH	Q16	15.22	15.33	15.68	16.00
		LOW	Q16	13.82	13.82	13.93	15.00
		MID	Q16	13.90	13.96	14.21	15.00
		HIGH	Q16	14.08	14.09	14.00	15.00
	15	LOW	Q16	13.95	14.02	13.82	15.00
3	1	LOW	64QAM	14.15	14.18	14.25	15.00
		MID	64QAM	14.38	14.31	14.69	15.00
		HIGH	64QAM	14.40	14.44	14.40	15.00
	8	LOW	64QAM	12.73	12.73	12.85	14.00
		MID	64QAM	13.07	13.01	13.14	14.00
		HIGH	64QAM	12.92	13.08	13.10	14.00
	15	LOW	64QAM	12.88	12.92	12.88	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	15.70	15.69	15.85	17.00
		MID	QPSK	15.97	16.10	16.12	17.00
		HIGH	QPSK	15.74	16.08	16.14	17.00
	12	LOW	QPSK	14.95	14.97	15.08	16.00
		MID	QPSK	14.97	14.88	15.05	16.00
		HIGH	QPSK	15.06	14.85	15.06	16.00
	25	LOW	QPSK	14.94	14.79	14.91	16.00
	5	LOW	Q16	14.96	15.26	15.36	16.00
		MID	Q16	15.37	15.44	15.67	16.00
		HIGH	Q16	15.24	15.55	15.54	16.00
		LOW	Q16	13.75	13.75	14.10	15.00
		MID	Q16	14.11	14.08	14.21	15.00
		HIGH	Q16	13.94	13.93	14.08	15.00
	25	LOW	Q16	13.95	13.97	14.07	15.00
5	1	LOW	64QAM	14.15	14.14	14.28	15.00
		MID	64QAM	14.40	14.47	14.47	15.00
		HIGH	64QAM	14.41	14.45	14.57	15.00
	12	LOW	64QAM	12.72	12.84	12.81	14.00
		MID	64QAM	13.02	12.92	13.23	14.00
		HIGH	64QAM	12.88	13.03	13.15	14.00
	25	LOW	64QAM	12.95	12.99	12.83	14.00

LTE B4-Ant.0							
Bandwidth (M	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	15.68	15.89	15.85	17.00
		MID	QPSK	15.98	16.10	16.28	17.00
		HIGH	QPSK	15.98	16.01	16.03	17.00
	25	LOW	QPSK	14.97	14.89	14.87	16.00
		MID	QPSK	14.92	14.89	15.01	16.00
		HIGH	QPSK	15.16	14.86	15.18	16.00
	50	LOW	QPSK	15.03	14.84	14.82	16.00
10	1	LOW	Q16	15.11	15.43	15.19	16.00
		MID	Q16	15.39	15.71	15.52	16.00
		HIGH	Q16	15.13	15.55	15.45	16.00
	25	LOW	Q16	13.77	13.92	14.12	15.00
		MID	Q16	14.10	13.85	14.22	15.00
		HIGH	Q16	13.85	14.11	14.15	15.00
	50	LOW	Q16	14.05	13.89	13.94	15.00
10	1	LOW	64QAM	14.09	14.26	14.20	15.00
		MID	64QAM	14.34	14.48	14.48	15.00
		HIGH	64QAM	14.44	14.46	14.48	15.00
	25	LOW	64QAM	12.81	12.59	13.05	14.00
		MID	64QAM	13.11	13.04	13.09	14.00
		HIGH	64QAM	13.04	13.05	13.11	14.00
	50	LOW	64QAM	13.00	12.99	12.73	14.00
Bandwidth (M	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	15.62	15.71	15.99	17.00
		MID	QPSK	15.91	16.01	16.24	17.00
		HIGH	QPSK	16.00	15.99	15.98	17.00
	36	LOW	QPSK	14.94	14.70	15.08	16.00
		MID	QPSK	15.07	14.92	15.23	16.00
		HIGH	QPSK	15.11	15.09	14.97	16.00
	75	LOW	QPSK	14.98	14.91	15.08	16.00
15	1	LOW	Q16	15.04	15.40	15.27	16.00
		MID	Q16	15.46	15.72	15.73	16.00
		HIGH	Q16	15.15	15.55	15.57	16.00
	36	LOW	Q16	13.69	14.00	13.83	15.00
		MID	Q16	13.98	13.84	14.11	15.00
		HIGH	Q16	14.10	13.90	14.15	15.00
	75	LOW	Q16	13.82	13.92	13.99	15.00
15	1	LOW	64QAM	14.21	14.16	14.40	15.00
		MID	64QAM	14.43	14.36	14.62	15.00
		HIGH	64QAM	14.48	14.49	14.58	15.00
	36	LOW	64QAM	12.76	12.83	13.02	14.00
		MID	64QAM	13.23	12.86	13.18	14.00
		HIGH	64QAM	12.75	12.98	13.09	14.00
	75	LOW	64QAM	12.94	13.06	12.95	14.00
Bandwidth (M	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	15.70	15.83	15.85	17.00
		MID	QPSK	15.98	16.06	16.15	17.00
		HIGH	QPSK	15.85	15.99	16.07	17.00
	50	LOW	QPSK	14.88	14.85	14.98	16.00
		MID	QPSK	14.99	15.00	15.08	16.00
		HIGH	QPSK	15.01	15.00	15.05	16.00
	100	LOW	QPSK	14.93	14.93	14.95	16.00
20	1	LOW	Q16	15.10	15.29	15.33	16.00
		MID	Q16	15.44	15.57	15.65	16.00
		HIGH	Q16	15.28	15.46	15.56	16.00
	50	LOW	Q16	13.84	13.85	13.97	15.00
		MID	Q16	13.97	13.99	14.07	15.00
		HIGH	Q16	13.96	14.02	14.04	15.00
	100	LOW	Q16	13.90	13.95	13.95	15.00
20	1	LOW	64QAM	14.18	14.23	14.35	15.00
		MID	64QAM	14.45	14.46	14.58	15.00
		HIGH	64QAM	14.39	14.48	14.54	15.00
	50	LOW	64QAM	12.79	12.71	12.92	14.00
		MID	64QAM	13.08	12.97	13.19	14.00
		HIGH	64QAM	12.89	13.01	13.15	14.00
	100	LOW	64QAM	12.90	12.92	12.87	14.00

8.3.3 LTE Band5 Output Power

LTE B5-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.48	20.42	20.47	21.00
		MID	QPSK	20.58	20.57	20.69	21.00
		HIGH	QPSK	20.34	20.51	20.39	21.00
	3	LOW	QPSK	20.46	20.41	20.57	21.00
		MID	QPSK	20.41	20.54	20.41	21.00
		HIGH	QPSK	20.42	20.51	20.60	21.00
6	LOW	QPSK	19.38	19.41	19.56	20.00	
1.4	1	LOW	Q16	19.28	19.87	19.51	20.00
		MID	Q16	19.43	19.97	19.48	20.00
		HIGH	Q16	19.60	19.84	19.61	20.00
	3	LOW	Q16	19.48	19.96	19.55	20.00
		MID	Q16	19.44	19.90	19.65	20.00
		HIGH	Q16	19.55	19.86	19.52	20.00
6	LOW	Q16	18.28	18.63	18.47	19.00	
1.4	1	LOW	64QAM	18.15	18.96	18.76	19.00
		MID	64QAM	18.66	18.91	18.67	19.00
		HIGH	64QAM	18.39	18.87	18.43	19.00
	3	LOW	64QAM	18.29	19.00	18.58	19.00
		MID	64QAM	18.65	18.82	18.75	19.00
		HIGH	64QAM	18.55	18.91	18.32	19.00
6	LOW	64QAM	17.45	17.49	17.63	18.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	20.51	20.56	20.45	21.00
		MID	QPSK	20.42	20.71	20.53	21.00
		HIGH	QPSK	20.33	20.58	20.49	21.00
	8	LOW	QPSK	19.31	19.35	19.41	20.00
		MID	QPSK	19.51	19.52	19.51	20.00
		HIGH	QPSK	19.35	19.40	19.44	20.00
15	LOW	QPSK	19.61	19.41	19.47	20.00	
3	1	LOW	Q16	19.45	19.92	19.61	20.00
		MID	Q16	19.52	19.90	19.68	20.00
		HIGH	Q16	19.51	19.85	19.41	20.00
	8	LOW	Q16	18.39	18.63	18.65	19.00
		MID	Q16	18.61	18.48	18.72	19.00
		HIGH	Q16	18.47	18.56	18.57	19.00
15	LOW	Q16	18.26	18.39	18.37	19.00	
3	1	LOW	64QAM	18.28	18.89	18.55	19.00
		MID	64QAM	18.51	18.86	18.77	19.00
		HIGH	64QAM	18.60	18.90	18.40	19.00
	8	LOW	64QAM	17.46	17.49	17.62	18.00
		MID	64QAM	17.67	17.59	17.60	18.00
		HIGH	64QAM	17.40	17.59	17.74	18.00
15	LOW	64QAM	17.64	17.48	17.68	18.00	

LTE B5-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	20.40	20.63	20.60	21.00
		MID	QPSK	20.51	20.50	20.54	21.00
		HIGH	QPSK	20.29	20.60	20.56	21.00
	12	LOW	QPSK	19.28	19.50	19.33	20.00
		MID	QPSK	19.56	19.51	19.50	20.00
		HIGH	QPSK	19.54	19.29	19.49	20.00
	25	LOW	QPSK	19.33	19.41	19.49	20.00
5	1	LOW	Q16	19.26	19.95	19.39	20.00
		MID	Q16	19.67	19.85	19.57	20.00
		HIGH	Q16	19.59	19.89	19.65	20.00
	12	LOW	Q16	18.55	18.53	18.68	19.00
		MID	Q16	18.63	18.67	18.64	19.00
		HIGH	Q16	18.51	18.39	18.51	19.00
	25	LOW	Q16	18.45	18.41	18.46	19.00
5	1	LOW	64QAM	18.20	19.00	18.68	19.00
		MID	64QAM	18.49	18.72	18.86	19.00
		HIGH	64QAM	18.42	18.99	18.38	19.00
	12	LOW	64QAM	17.33	17.38	17.75	18.00
		MID	64QAM	17.71	17.65	17.79	18.00
		HIGH	64QAM	17.42	17.66	17.75	18.00
	25	LOW	64QAM	17.44	17.48	17.58	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	20.42	20.48	20.45	21.00
		MID	QPSK	20.54	20.57	20.55	21.00
		HIGH	QPSK	20.44	20.54	20.54	21.00
	25	LOW	QPSK	19.37	19.43	19.44	20.00
		MID	QPSK	19.50	19.57	19.51	20.00
		HIGH	QPSK	19.45	19.43	19.46	20.00
50	LOW	QPSK	19.47	19.45	19.43	20.00	
10	1	LOW	Q16	19.34	19.88	19.54	20.00
		MID	Q16	19.54	19.95	19.61	20.00
		HIGH	Q16	19.48	19.92	19.52	20.00
	25	LOW	Q16	18.43	18.50	18.53	19.00
		MID	Q16	18.55	18.58	18.67	19.00
		HIGH	Q16	18.50	18.53	18.56	19.00
	50	LOW	Q16	18.41	18.47	18.44	19.00
10	1	LOW	64QAM	18.22	18.92	18.64	19.00
		MID	64QAM	18.51	18.87	18.71	19.00
		HIGH	64QAM	18.49	18.91	18.47	19.00
	25	LOW	64QAM	17.43	17.52	17.61	18.00
		MID	64QAM	17.66	17.52	17.70	18.00
		HIGH	64QAM	17.45	17.60	17.62	18.00
	50	LOW	64QAM	17.52	17.50	17.58	18.00

8.3.3 LTE Band5 Output Power

LTE B5-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.88	19.99	20.22	21.00
		MID	QPSK	20.02	20.25	20.00	21.00
		HIGH	QPSK	20.17	20.03	20.03	21.00
	3	LOW	QPSK	20.11	20.18	20.21	21.00
		MID	QPSK	20.24	20.14	20.27	21.00
		HIGH	QPSK	20.19	20.23	19.99	21.00
6	LOW	QPSK	18.99	19.05	19.00	20.00	
1.4	1	LOW	Q16	18.92	18.92	19.19	20.00
		MID	Q16	19.15	19.14	18.87	20.00
		HIGH	Q16	18.93	19.05	19.09	20.00
	3	LOW	Q16	18.85	19.57	19.08	20.00
		MID	Q16	19.09	19.56	19.14	20.00
		HIGH	Q16	19.17	19.54	19.18	20.00
6	LOW	Q16	17.89	18.19	18.07	19.00	
1.4	1	LOW	64QAM	18.13	18.25	18.29	19.00
		MID	64QAM	18.19	18.18	18.09	19.00
		HIGH	64QAM	17.92	18.14	18.10	19.00
	3	LOW	64QAM	17.84	18.62	18.19	19.00
		MID	64QAM	17.83	18.74	18.20	19.00
		HIGH	64QAM	17.91	18.52	18.16	19.00
6	LOW	64QAM	16.79	17.00	17.22	18.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	20.10	20.04	20.03	21.00
		MID	QPSK	20.02	19.98	20.21	21.00
		HIGH	QPSK	20.06	20.30	20.02	21.00
	8	LOW	QPSK	19.10	19.17	18.95	20.00
		MID	QPSK	18.90	19.19	18.99	20.00
		HIGH	QPSK	18.95	18.92	19.05	20.00
15	LOW	QPSK	19.00	18.90	18.98	20.00	
3	1	LOW	Q16	19.03	19.39	19.15	20.00
		MID	Q16	19.24	19.61	19.32	20.00
		HIGH	Q16	19.00	19.53	19.13	20.00
	8	LOW	Q16	18.08	18.14	18.22	19.00
		MID	Q16	18.09	18.22	18.34	19.00
		HIGH	Q16	18.04	17.99	18.27	19.00
15	LOW	Q16	17.93	17.92	17.89	19.00	
3	1	LOW	64QAM	17.86	18.47	18.07	19.00
		MID	64QAM	17.81	18.30	18.37	19.00
		HIGH	64QAM	17.90	18.50	18.24	19.00
	8	LOW	64QAM	17.00	16.96	17.05	18.00
		MID	64QAM	16.93	17.26	17.30	18.00
		HIGH	64QAM	16.87	17.10	17.16	18.00
15	LOW	64QAM	16.93	17.12	17.27	18.00	

LTE B5-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	20.07	20.15	19.98	21.00
		MID	QPSK	20.25	19.99	20.23	21.00
		HIGH	QPSK	20.01	20.17	20.25	21.00
	12	LOW	QPSK	18.93	19.04	19.12	20.00
		MID	QPSK	18.97	19.15	19.22	20.00
		HIGH	QPSK	18.87	19.14	18.86	20.00
	25	LOW	QPSK	18.95	18.97	19.03	20.00
5	1	LOW	Q16	18.75	19.49	19.09	20.00
		MID	Q16	18.99	19.42	19.20	20.00
		HIGH	Q16	18.95	19.55	19.20	20.00
	12	LOW	Q16	18.00	18.21	18.04	19.00
		MID	Q16	18.08	18.26	18.22	19.00
		HIGH	Q16	17.93	18.20	18.17	19.00
	25	LOW	Q16	17.96	17.98	17.94	19.00
5	1	LOW	64QAM	17.83	18.52	17.98	19.00
		MID	64QAM	17.84	18.57	18.21	19.00
		HIGH	64QAM	18.17	18.51	18.07	19.00
	12	LOW	64QAM	16.90	16.92	17.24	18.00
		MID	64QAM	16.97	17.08	17.39	18.00
		HIGH	64QAM	16.92	17.20	17.11	18.00
	25	LOW	64QAM	16.98	17.06	17.29	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	19.98	20.11	20.07	21.00
		MID	QPSK	20.11	20.13	20.13	21.00
		HIGH	QPSK	20.07	20.15	20.13	21.00
	25	LOW	QPSK	18.95	19.02	19.00	20.00
		MID	QPSK	19.05	19.11	19.09	20.00
		HIGH	QPSK	19.01	19.04	19.00	20.00
	50	LOW	QPSK	19.02	19.02	18.99	20.00
10	1	LOW	Q16	18.89	19.42	19.10	20.00
		MID	Q16	19.11	19.52	19.19	20.00
		HIGH	Q16	19.04	19.49	19.11	20.00
	25	LOW	Q16	17.98	18.08	18.12	19.00
		MID	Q16	18.10	18.12	18.22	19.00
		HIGH	Q16	18.05	18.08	18.15	19.00
	50	LOW	Q16	18.00	18.07	18.03	19.00
10	1	LOW	64QAM	17.82	18.38	18.07	19.00
		MID	64QAM	17.96	18.42	18.34	19.00
		HIGH	64QAM	18.02	18.53	18.14	19.00
	25	LOW	64QAM	16.93	17.04	17.19	18.00
		MID	64QAM	17.02	17.19	17.37	18.00
		HIGH	64QAM	16.99	17.19	17.20	18.00
	50	LOW	64QAM	17.04	17.03	17.16	18.00

8.3.4 LTE Band7 Output Power

LTE B7-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.16	17.40	17.00	19.00
		MID	QPSK	17.19	17.51	17.60	19.00
		HIGH	QPSK	17.22	17.39	17.16	19.00
	12	LOW	QPSK	16.38	16.68	16.29	18.00
		MID	QPSK	16.48	16.65	16.42	18.00
		HIGH	QPSK	16.18	16.38	16.14	18.00
	25	LOW	QPSK	16.18	16.71	16.12	18.00
5	1	LOW	Q16	16.64	16.83	16.74	18.00
		MID	Q16	16.97	17.30	16.78	18.00
		HIGH	Q16	16.67	16.83	16.55	18.00
	12	LOW	Q16	15.39	15.63	15.20	17.00
		MID	Q16	15.41	15.57	15.36	17.00
		HIGH	Q16	15.12	15.51	15.37	17.00
	25	LOW	Q16	15.37	15.52	15.15	17.00
5	1	LOW	64QAM	15.75	15.79	15.84	17.00
		MID	64QAM	15.82	16.45	15.72	17.00
		HIGH	64QAM	15.54	15.91	15.40	17.00
	12	LOW	64QAM	14.33	14.67	14.28	16.00
		MID	64QAM	14.53	14.63	14.30	16.00
		HIGH	64QAM	14.02	14.62	14.48	16.00
	25	LOW	64QAM	14.39	14.60	14.25	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.14	17.27	17.26	19.00
		MID	QPSK	17.41	17.65	17.47	19.00
		HIGH	QPSK	17.15	17.29	17.16	19.00
	25	LOW	QPSK	16.24	16.56	16.44	18.00
		MID	QPSK	16.22	16.66	16.39	18.00
		HIGH	QPSK	16.19	16.39	16.31	18.00
50	LOW	QPSK	16.32	16.57	16.19	18.00	
10	1	LOW	Q16	16.60	16.81	16.56	18.00
		MID	Q16	16.94	17.04	16.91	18.00
		HIGH	Q16	16.74	16.81	16.51	18.00
	25	LOW	Q16	15.31	15.58	15.21	17.00
		MID	Q16	15.49	15.41	15.31	17.00
		HIGH	Q16	15.38	15.46	15.36	17.00
	50	LOW	Q16	15.26	15.36	15.20	17.00
10	1	LOW	64QAM	15.71	15.75	15.58	17.00
		MID	64QAM	16.27	16.04	15.84	17.00
		HIGH	64QAM	15.91	16.06	15.67	17.00
	25	LOW	64QAM	14.20	14.43	14.48	16.00
		MID	64QAM	14.52	14.42	14.21	16.00
		HIGH	64QAM	14.32	14.58	14.35	16.00
	50	LOW	64QAM	14.28	14.45	14.13	16.00

LTE B7-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.06	17.29	17.07	19.00
		MID	QPSK	17.22	17.62	17.45	19.00
		HIGH	QPSK	17.35	17.31	17.07	19.00
	36	LOW	QPSK	16.26	16.60	16.42	18.00
		MID	QPSK	16.33	16.59	16.39	18.00
		HIGH	QPSK	16.31	16.40	16.12	18.00
	75	LOW	QPSK	16.22	16.58	16.12	18.00
15	1	LOW	Q16	16.77	16.79	16.83	18.00
		MID	Q16	16.83	17.22	16.84	18.00
		HIGH	Q16	16.75	16.96	16.58	18.00
	36	LOW	Q16	15.25	15.52	15.33	17.00
		MID	Q16	15.48	15.49	15.43	17.00
		HIGH	Q16	15.26	15.50	15.36	17.00
	75	LOW	Q16	15.22	15.44	15.15	17.00
15	1	LOW	64QAM	15.57	16.00	15.81	17.00
		MID	64QAM	16.05	16.04	15.81	17.00
		HIGH	64QAM	15.89	16.14	15.41	17.00
	36	LOW	64QAM	14.13	14.50	14.40	16.00
		MID	64QAM	14.35	14.39	14.25	16.00
		HIGH	64QAM	14.25	14.67	14.31	16.00
	75	LOW	64QAM	14.35	14.52	14.33	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.02	17.26	17.14	19.00
		MID	QPSK	17.35	17.52	17.39	19.00
		HIGH	QPSK	17.25	17.36	17.07	19.00
	50	LOW	QPSK	16.17	16.47	16.33	18.00
		MID	QPSK	16.35	16.52	16.37	18.00
		HIGH	QPSK	16.34	16.41	16.27	18.00
	100	LOW	QPSK	16.27	16.43	16.26	18.00
20	1	LOW	Q16	16.63	16.79	16.69	18.00
		MID	Q16	16.97	17.07	16.87	18.00
		HIGH	Q16	16.80	16.87	16.62	18.00
	50	LOW	Q16	15.20	15.46	15.26	17.00
		MID	Q16	15.39	15.54	15.36	17.00
		HIGH	Q16	15.36	15.41	15.22	17.00
	100	LOW	Q16	15.30	15.43	15.24	17.00
20	1	LOW	64QAM	15.57	15.90	15.66	17.00
		MID	64QAM	16.12	16.13	15.77	17.00
		HIGH	64QAM	15.85	15.99	15.56	17.00
	50	LOW	64QAM	14.06	14.51	14.34	16.00
		MID	64QAM	14.42	14.43	14.27	16.00
		HIGH	64QAM	14.21	14.55	14.31	16.00
	100	LOW	64QAM	14.24	14.38	14.26	16.00

8.3.4 LTE Band7 Output Power

LTE B7-Ant.0							
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	16.41	16.39	16.64	18.00
		MID	QPSK	16.58	16.76	16.82	18.00
		HIGH	QPSK	16.73	16.91	16.55	18.00
	12	LOW	QPSK	15.51	15.88	15.74	17.00
		MID	QPSK	15.56	16.00	15.75	17.00
		HIGH	QPSK	15.74	15.56	15.68	17.00
	25	LOW	QPSK	15.64	15.65	15.67	17.00
5	1	LOW	Q16	16.01	16.07	16.12	17.00
		MID	Q16	16.21	16.68	16.20	17.00
		HIGH	Q16	16.12	16.37	16.15	17.00
	12	LOW	Q16	14.46	15.04	14.74	16.00
		MID	Q16	14.88	14.89	14.81	16.00
		HIGH	Q16	14.51	14.81	14.88	16.00
	25	LOW	Q16	14.52	14.78	14.66	16.00
5	1	LOW	64QAM	14.87	15.13	15.21	16.00
		MID	64QAM	15.32	15.55	15.21	16.00
		HIGH	64QAM	15.22	15.42	15.12	16.00
	12	LOW	64QAM	13.68	13.85	13.71	15.00
		MID	64QAM	13.77	13.96	13.81	15.00
		HIGH	64QAM	13.78	13.85	13.81	15.00
	25	LOW	64QAM	13.68	14.00	13.59	15.00
Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	16.39	16.72	16.71	18.00
		MID	QPSK	16.60	16.94	16.84	18.00
		HIGH	QPSK	16.60	16.84	16.62	18.00
	25	LOW	QPSK	15.44	15.90	15.61	17.00
		MID	QPSK	15.75	15.92	15.88	17.00
		HIGH	QPSK	15.80	15.84	15.68	17.00
10	50	LOW	QPSK	15.42	15.70	15.70	17.00
10	1	LOW	Q16	15.98	16.13	16.01	17.00
		MID	Q16	16.22	16.40	16.23	17.00
		HIGH	Q16	16.24	16.20	16.15	17.00
	25	LOW	Q16	14.51	14.92	14.76	16.00
		MID	Q16	14.62	14.80	14.83	16.00
		HIGH	Q16	14.75	14.92	14.56	16.00
	50	LOW	Q16	14.52	14.71	14.70	16.00
10	1	LOW	64QAM	14.74	15.10	14.93	16.00
		MID	64QAM	15.36	15.37	15.18	16.00
		HIGH	64QAM	15.03	15.42	15.05	16.00
	25	LOW	64QAM	13.46	13.87	13.91	15.00
		MID	64QAM	13.88	13.95	13.67	15.00
		HIGH	64QAM	13.46	13.74	13.66	15.00
	50	LOW	64QAM	13.59	13.83	13.68	15.00

LTE B7-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	16.35	16.49	16.51	18.00
		MID	QPSK	16.59	16.88	16.87	18.00
		HIGH	QPSK	16.66	16.86	16.50	18.00
	36	LOW	QPSK	15.44	15.75	15.80	17.00
		MID	QPSK	15.57	16.03	15.78	17.00
		HIGH	QPSK	15.61	15.69	15.67	17.00
	75	LOW	QPSK	15.52	15.77	15.61	17.00
15	1	LOW	Q16	16.04	16.19	16.14	17.00
		MID	Q16	16.31	16.59	16.19	17.00
		HIGH	Q16	16.00	16.25	16.05	17.00
	36	LOW	Q16	14.47	14.89	14.60	16.00
		MID	Q16	14.80	14.97	14.76	16.00
		HIGH	Q16	14.64	14.76	14.75	16.00
	75	LOW	Q16	14.61	14.70	14.62	16.00
15	1	LOW	64QAM	14.75	15.12	15.12	16.00
		MID	64QAM	15.31	15.49	15.34	16.00
		HIGH	64QAM	15.13	15.40	15.03	16.00
	36	LOW	64QAM	13.62	13.71	13.75	15.00
		MID	64QAM	13.81	13.99	13.66	15.00
		HIGH	64QAM	13.68	13.80	13.73	15.00
	75	LOW	64QAM	13.66	13.96	13.61	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	16.34	16.61	16.59	18.00
		MID	QPSK	16.70	16.92	16.85	18.00
		HIGH	QPSK	16.55	16.77	16.65	18.00
	50	LOW	QPSK	15.45	15.85	15.75	17.00
		MID	QPSK	15.70	15.92	15.84	17.00
		HIGH	QPSK	15.65	15.79	15.75	17.00
20	100	LOW	QPSK	15.57	15.84	15.68	17.00
	1	LOW	Q16	15.89	16.17	16.11	17.00
		MID	Q16	16.27	16.44	16.31	17.00
		HIGH	Q16	16.09	16.28	16.13	17.00
	50	LOW	Q16	14.49	14.87	14.74	16.00
		MID	Q16	14.71	14.91	14.82	16.00
		HIGH	Q16	14.70	14.85	14.69	16.00
	100	LOW	Q16	14.58	14.83	14.72	16.00
20	1	LOW	64QAM	14.81	15.10	14.99	16.00
		MID	64QAM	15.42	15.38	15.23	16.00
		HIGH	64QAM	15.01	15.42	15.14	16.00
	50	LOW	64QAM	13.54	13.85	13.82	15.00
		MID	64QAM	13.83	13.85	13.68	15.00
		HIGH	64QAM	13.59	13.86	13.72	15.00
	100	LOW	64QAM	13.56	13.96	13.64	15.00

8.3.5 LTE Band12 Output Power

LTE B12-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.41	23.56	23.69	25.00
		MID	QPSK	23.51	23.63	23.76	25.00
		HIGH	QPSK	23.75	23.63	23.79	25.00
	3	LOW	QPSK	23.48	23.59	23.58	25.00
		MID	QPSK	23.60	23.56	23.55	25.00
		HIGH	QPSK	23.69	23.48	23.75	25.00
1.4	1	LOW	QPSK	22.74	22.47	22.70	24.00
	3	LOW	Q16	22.38	22.91	22.66	24.00
		MID	Q16	22.67	22.97	22.51	24.00
		HIGH	Q16	22.48	22.88	22.45	24.00
	3	LOW	Q16	22.19	23.01	22.49	24.00
		MID	Q16	22.66	22.88	22.61	24.00
1.4	1	LOW	Q16	22.57	23.03	22.41	24.00
		MID	Q16	21.66	21.44	21.64	23.00
		HIGH	Q16	21.27	21.74	21.58	23.00
	3	LOW	64QAM	21.54	22.25	21.58	23.00
		MID	64QAM	21.56	21.91	21.60	23.00
		HIGH	64QAM	21.27	21.75	21.60	23.00
1.4	1	LOW	64QAM	21.43	22.06	21.59	23.00
		MID	64QAM	21.61	21.92	21.85	23.00
		HIGH	64QAM	20.57	20.48	20.34	22.00
	3	LOW	64QAM	20.57	20.48	20.34	22.00
		MID	64QAM	20.57	20.48	20.34	22.00
		HIGH	64QAM	20.57	20.48	20.34	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.62	23.63	23.45	25.00
		MID	QPSK	23.74	23.51	23.56	25.00
		HIGH	QPSK	23.62	23.59	23.53	25.00
	8	LOW	QPSK	22.58	22.61	22.47	24.00
		MID	QPSK	22.55	22.74	22.47	24.00
		HIGH	QPSK	22.74	22.53	22.54	24.00
3	1	LOW	QPSK	22.73	22.64	22.50	24.00
		MID	QPSK	22.73	22.64	22.50	24.00
		HIGH	QPSK	22.73	22.64	22.50	24.00
	8	LOW	Q16	22.36	23.01	22.64	24.00
		MID	Q16	22.56	22.96	22.54	24.00
		HIGH	Q16	22.38	22.78	22.45	24.00
3	1	LOW	Q16	21.56	21.46	21.81	23.00
		MID	Q16	21.64	21.86	21.77	23.00
		HIGH	Q16	21.62	21.67	21.76	23.00
	8	LOW	Q16	21.64	21.54	21.59	23.00
		MID	Q16	21.64	21.54	21.59	23.00
		HIGH	Q16	21.64	21.54	21.59	23.00
3	1	LOW	64QAM	21.40	22.02	21.47	23.00
		MID	64QAM	21.44	22.16	21.39	23.00
		HIGH	64QAM	21.42	21.80	21.64	23.00
	8	LOW	64QAM	20.70	20.42	20.71	22.00
		MID	64QAM	20.81	20.87	20.69	22.00
		HIGH	64QAM	20.59	20.58	20.65	22.00
3	1	LOW	64QAM	20.67	20.42	20.50	22.00
		MID	64QAM	20.67	20.42	20.50	22.00
		HIGH	64QAM	20.67	20.42	20.50	22.00
	8	LOW	64QAM	20.67	20.42	20.50	22.00
		MID	64QAM	20.67	20.42	20.50	22.00
		HIGH	64QAM	20.67	20.42	20.50	22.00

LTE B12-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.57	23.64	23.47	25.00
		MID	QPSK	23.67	23.76	23.54	25.00
		HIGH	QPSK	23.62	23.47	23.64	25.00
	12	LOW	QPSK	22.38	22.46	22.48	24.00
		MID	QPSK	22.64	22.70	22.46	24.00
		HIGH	QPSK	22.60	22.50	22.44	24.00
	25	LOW	QPSK	22.74	22.55	22.45	24.00
5	1	LOW	Q16	22.40	22.97	22.53	24.00
		MID	Q16	22.65	23.03	22.46	24.00
		HIGH	Q16	22.46	23.01	22.46	24.00
	12	LOW	Q16	21.39	21.59	21.80	23.00
		MID	Q16	21.63	21.85	21.87	23.00
		HIGH	Q16	21.89	21.46	21.81	23.00
	25	LOW	Q16	21.76	21.50	21.65	23.00
5	1	LOW	64QAM	21.52	21.94	21.68	23.00
		MID	64QAM	21.48	22.09	21.37	23.00
		HIGH	64QAM	21.52	21.91	21.62	23.00
	12	LOW	64QAM	20.52	20.32	20.67	22.00
		MID	64QAM	20.75	20.75	20.81	22.00
		HIGH	64QAM	20.75	20.79	20.72	22.00
	25	LOW	64QAM	20.69	20.65	20.57	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.49	23.60	23.58	25.00
		MID	QPSK	23.66	23.65	23.64	25.00
		HIGH	QPSK	23.68	23.56	23.64	25.00
	25	LOW	QPSK	22.51	22.46	22.57	24.00
		MID	QPSK	22.66	22.65	22.61	24.00
		HIGH	QPSK	22.72	22.51	22.55	24.00
50	LOW	QPSK	22.66	22.51	22.60	24.00	
10	1	LOW	Q16	22.34	22.88	22.60	24.00
		MID	Q16	22.61	23.02	22.57	24.00
		HIGH	Q16	22.52	22.92	22.56	24.00
	25	LOW	Q16	21.54	21.54	21.71	23.00
		MID	Q16	21.73	21.73	21.73	23.00
		HIGH	Q16	21.76	21.61	21.68	23.00
	50	LOW	Q16	21.61	21.56	21.62	23.00
10	1	LOW	64QAM	21.38	21.89	21.53	23.00
		MID	64QAM	21.50	22.16	21.52	23.00
		HIGH	64QAM	21.54	21.88	21.70	23.00
	25	LOW	64QAM	20.67	20.42	20.69	22.00
		MID	64QAM	20.76	20.88	20.70	22.00
		HIGH	64QAM	20.74	20.72	20.59	22.00
	50	LOW	64QAM	20.65	20.53	20.49	22.00

8.3.5 LTE Band12 Output Power

LTE B12-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.02	22.82	23.01	24.00
		MID	QPSK	23.12	22.86	22.94	24.00
		HIGH	QPSK	22.82	23.02	22.95	24.00
	3	LOW	QPSK	22.96	23.05	22.84	24.00
		MID	QPSK	22.84	23.08	22.91	24.00
		HIGH	QPSK	23.03	22.96	23.01	24.00
1.4	1	LOW	QPSK	22.16	21.72	21.98	23.00
	3	LOW	Q16	21.53	22.32	21.84	23.00
		MID	Q16	21.78	22.31	22.02	23.00
		HIGH	Q16	21.79	22.40	22.04	23.00
	3	LOW	Q16	21.69	22.28	21.97	23.00
		MID	Q16	21.91	22.46	21.95	23.00
1.4	1	LOW	Q16	21.95	22.26	21.87	23.00
		MID	Q16	21.09	20.87	20.90	22.00
		HIGH	Q16	20.89	20.77	20.90	22.00
	3	LOW	64QAM	20.89	21.41	21.07	22.00
		MID	64QAM	20.89	21.38	20.90	22.00
		HIGH	64QAM	20.89	21.20	21.13	22.00
1.4	1	LOW	64QAM	20.76	21.23	20.81	22.00
		MID	64QAM	20.86	21.39	20.93	22.00
		HIGH	64QAM	20.82	21.15	20.99	22.00
	3	LOW	64QAM	19.91	20.01	20.16	21.00
		MID	64QAM	20.89	21.41	21.07	22.00
		HIGH	64QAM	20.89	21.38	20.90	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	22.77	22.81	22.82	24.00
		MID	QPSK	23.07	22.98	22.95	24.00
		HIGH	QPSK	23.10	22.97	22.89	24.00
	8	LOW	QPSK	21.76	21.93	21.87	23.00
		MID	QPSK	21.98	21.96	21.85	23.00
		HIGH	QPSK	22.05	21.71	21.83	23.00
3	1	LOW	QPSK	21.87	21.89	21.84	23.00
		MID	QPSK	21.69	22.27	22.00	23.00
		HIGH	QPSK	21.95	22.39	21.78	23.00
	8	LOW	Q16	21.88	22.25	22.05	23.00
		MID	Q16	20.85	20.85	20.89	22.00
		HIGH	Q16	21.13	21.23	21.14	22.00
3	1	LOW	Q16	21.07	20.99	21.09	22.00
		MID	Q16	21.09	20.85	20.96	22.00
		HIGH	Q16	20.70	21.21	21.01	22.00
	8	LOW	64QAM	20.98	21.24	20.99	22.00
		MID	64QAM	20.94	21.18	20.94	22.00
		HIGH	64QAM	20.94	21.18	20.94	22.00
3	1	LOW	64QAM	19.81	19.96	19.73	21.00
		MID	64QAM	20.15	20.13	20.03	21.00
		HIGH	64QAM	20.00	19.68	20.19	21.00
	8	LOW	64QAM	19.92	20.04	19.97	21.00
		MID	64QAM	20.89	21.41	21.07	22.00
		HIGH	64QAM	20.89	21.38	20.90	22.00

LTE B12-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	22.95	23.03	22.94	24.00
		MID	QPSK	22.90	23.01	22.84	24.00
		HIGH	QPSK	23.01	22.88	22.86	24.00
	12	LOW	QPSK	21.77	21.78	21.90	23.00
		MID	QPSK	22.06	22.10	22.08	23.00
		HIGH	QPSK	21.96	21.87	21.87	23.00
	25	LOW	QPSK	22.02	21.95	21.98	23.00
5	1	LOW	Q16	21.65	22.28	21.92	23.00
		MID	Q16	21.79	22.29	22.03	23.00
		HIGH	Q16	21.85	22.18	21.87	23.00
	12	LOW	Q16	20.97	21.03	20.95	22.00
		MID	Q16	21.06	20.95	21.15	22.00
		HIGH	Q16	21.14	20.83	21.00	22.00
	25	LOW	Q16	21.08	20.78	20.96	22.00
5	1	LOW	64QAM	20.84	21.26	20.96	22.00
		MID	64QAM	21.04	21.49	20.77	22.00
		HIGH	64QAM	20.80	21.13	21.04	22.00
	12	LOW	64QAM	19.64	19.82	19.95	21.00
		MID	64QAM	20.21	20.31	19.91	21.00
		HIGH	64QAM	20.22	19.92	20.22	21.00
	25	LOW	64QAM	20.04	19.85	19.96	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	22.89	22.92	22.95	24.00
		MID	QPSK	22.98	22.99	22.99	24.00
		HIGH	QPSK	22.97	22.93	22.98	24.00
	25	LOW	QPSK	21.82	21.80	21.92	23.00
		MID	QPSK	21.97	21.98	21.95	23.00
		HIGH	QPSK	21.95	21.85	21.86	23.00
50	LOW	QPSK	22.01	21.85	21.92	23.00	
10	1	LOW	Q16	21.68	22.24	21.94	23.00
		MID	Q16	21.92	22.36	21.93	23.00
		HIGH	Q16	21.86	22.25	21.95	23.00
	25	LOW	Q16	20.88	20.90	21.01	22.00
		MID	Q16	21.04	21.08	21.04	22.00
		HIGH	Q16	21.11	20.84	21.02	22.00
	50	LOW	Q16	20.98	20.87	20.93	22.00
10	1	LOW	64QAM	20.79	21.30	20.96	22.00
		MID	64QAM	20.97	21.36	20.89	22.00
		HIGH	64QAM	20.82	21.25	21.00	22.00
	25	LOW	64QAM	19.74	19.84	19.86	21.00
		MID	64QAM	20.11	20.20	20.05	21.00
		HIGH	64QAM	20.09	19.78	20.12	21.00
	50	LOW	64QAM	19.98	20.00	20.07	21.00

8.3.6 LTE Band17 Output Power

LTE B17-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.80	23.64	23.82	25.00
		MID	QPSK	23.89	23.75	23.67	25.00
		HIGH	QPSK	23.66	23.84	23.72	25.00
	12	LOW	QPSK	22.56	22.74	22.82	24.00
		MID	QPSK	22.77	22.62	22.68	24.00
		HIGH	QPSK	22.56	22.72	22.75	24.00
	25	LOW	QPSK	22.54	22.71	22.83	24.00
5	1	LOW	Q16	22.49	23.15	22.64	24.00
		MID	Q16	22.53	23.07	22.57	24.00
		HIGH	Q16	22.53	22.96	22.84	24.00
	12	LOW	Q16	21.75	21.58	21.80	23.00
		MID	Q16	21.77	21.65	21.85	23.00
		HIGH	Q16	21.78	21.76	21.85	23.00
	25	LOW	Q16	21.69	21.79	21.75	23.00
5	1	LOW	64QAM	21.32	21.98	21.62	23.00
		MID	64QAM	21.70	22.25	22.02	23.00
		HIGH	64QAM	21.51	22.02	21.77	23.00
	12	LOW	64QAM	20.68	20.62	20.76	22.00
		MID	64QAM	20.63	20.54	20.95	22.00
		HIGH	64QAM	20.82	20.63	20.86	22.00
	25	LOW	64QAM	20.50	20.66	20.62	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.68	23.72	23.73	25.00
		MID	QPSK	23.77	23.74	23.76	25.00
		HIGH	QPSK	23.68	23.73	23.74	25.00
	25	LOW	QPSK	22.63	22.64	22.72	24.00
		MID	QPSK	22.75	22.75	22.74	24.00
		HIGH	QPSK	22.66	22.68	22.64	24.00
10	50	LOW	QPSK	22.65	22.69	22.70	24.00
10	1	LOW	Q16	22.56	23.04	22.70	24.00
		MID	Q16	22.66	23.09	22.72	24.00
		HIGH	Q16	22.58	23.07	22.72	24.00
	25	LOW	Q16	21.64	21.73	21.83	23.00
		MID	Q16	21.77	21.78	21.87	23.00
		HIGH	Q16	21.75	21.73	21.79	23.00
	50	LOW	Q16	21.65	21.68	21.76	23.00
10	1	LOW	64QAM	21.46	22.13	21.65	23.00
		MID	64QAM	21.61	22.15	21.87	23.00
		HIGH	64QAM	21.57	21.92	21.80	23.00
	25	LOW	64QAM	20.63	20.63	20.73	22.00
		MID	64QAM	20.69	20.66	20.98	22.00
		HIGH	64QAM	20.70	20.75	20.71	22.00
	50	LOW	64QAM	20.52	20.67	20.75	22.00

8.3.6 LTE Band17 Output Power

LTE B17-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.98	23.20	22.93	24.00
		MID	QPSK	23.06	23.01	23.13	24.00
		HIGH	QPSK	22.86	23.04	22.98	24.00
	12	LOW	QPSK	21.88	22.05	21.86	23.00
		MID	QPSK	22.11	22.14	22.16	23.00
		HIGH	QPSK	21.96	21.94	22.17	23.00
	25	LOW	QPSK	22.06	22.11	22.09	23.00
5	1	LOW	Q16	21.99	22.56	21.90	23.00
		MID	Q16	21.98	22.51	22.07	23.00
		HIGH	Q16	21.93	22.41	21.90	23.00
	12	LOW	Q16	21.00	21.12	21.00	22.00
		MID	Q16	21.21	21.09	21.19	22.00
		HIGH	Q16	20.96	20.90	21.04	22.00
	25	LOW	Q16	21.02	20.92	21.15	22.00
5	1	LOW	64QAM	20.71	21.59	21.11	22.00
		MID	64QAM	20.92	21.44	21.14	22.00
		HIGH	64QAM	20.83	21.55	21.10	22.00
	12	LOW	64QAM	20.20	19.96	20.15	21.00
		MID	64QAM	20.10	20.00	20.42	21.00
		HIGH	64QAM	19.99	19.94	20.17	21.00
	25	LOW	64QAM	20.01	19.96	19.91	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.00	23.05	23.06	24.00
		MID	QPSK	23.13	23.11	23.12	24.00
		HIGH	QPSK	22.99	23.08	23.10	24.00
	25	LOW	QPSK	21.91	21.97	22.00	23.00
		MID	QPSK	22.08	22.07	22.07	23.00
		HIGH	QPSK	21.96	21.99	22.02	23.00
10	50	LOW	QPSK	21.95	22.01	22.05	23.00
10	1	LOW	Q16	21.89	22.41	22.05	23.00
		MID	Q16	21.99	22.38	22.04	23.00
		HIGH	Q16	21.92	22.38	22.05	23.00
	25	LOW	Q16	21.01	21.00	21.14	22.00
		MID	Q16	21.12	21.10	21.18	22.00
		HIGH	Q16	20.98	21.05	21.11	22.00
	50	LOW	Q16	20.97	20.97	21.07	22.00
10	1	LOW	64QAM	20.85	21.49	21.03	22.00
		MID	64QAM	21.01	21.30	21.05	22.00
		HIGH	64QAM	20.80	21.40	20.98	22.00
	25	LOW	64QAM	20.11	19.89	20.16	21.00
		MID	64QAM	20.23	20.02	20.28	21.00
		HIGH	64QAM	20.08	20.01	20.06	21.00
	50	LOW	64QAM	20.10	19.86	19.96	21.00

8.3.7 LTE Band66 Output Power

LTE B66-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.47	15.55	15.42	17.00
		MID	QPSK	15.81	15.56	15.68	17.00
		HIGH	QPSK	15.54	15.69	15.63	17.00
	3	LOW	QPSK	15.26	15.51	15.36	17.00
		MID	QPSK	15.78	15.80	15.54	17.00
		HIGH	QPSK	15.42	15.67	15.63	17.00
	6	LOW	QPSK	14.31	14.49	14.57	16.00
		MID	Q16	14.94	14.87	14.89	16.00
		HIGH	Q16	14.97	15.12	14.93	16.00
1.4	1	LOW	Q16	14.98	15.15	14.89	16.00
		MID	Q16	14.87	14.98	14.76	16.00
		HIGH	Q16	15.13	15.29	15.13	16.00
	3	LOW	Q16	15.13	15.22	14.74	16.00
		MID	Q16	13.51	13.63	13.49	15.00
		HIGH	Q16	14.08	13.68	13.69	15.00
	6	LOW	64QAM	13.99	14.41	13.91	15.00
		MID	64QAM	14.01	13.81	13.88	15.00
		HIGH	64QAM	14.10	13.68	13.73	15.00
1.4	1	LOW	64QAM	13.84	14.41	13.89	15.00
		MID	64QAM	14.25	13.93	14.01	15.00
		HIGH	64QAM	12.58	12.41	12.32	14.00
	3	LOW	64QAM	15.50	15.57	15.36	17.00
		MID	64QAM	15.83	15.81	15.54	17.00
		HIGH	64QAM	15.43	15.62	15.42	17.00
	8	LOW	QPSK	14.60	14.70	14.53	16.00
		MID	QPSK	14.61	14.68	14.55	16.00
		HIGH	QPSK	14.73	14.54	14.39	16.00
3	1	LOW	QPSK	14.33	14.55	14.43	16.00
		MID	Q16	14.97	14.87	14.77	16.00
		HIGH	Q16	15.08	15.15	15.04	16.00
	8	LOW	Q16	15.04	15.16	14.95	16.00
		MID	Q16	13.35	13.67	13.33	15.00
		HIGH	Q16	13.52	13.73	13.54	15.00
	15	LOW	Q16	13.59	13.63	13.40	15.00
		MID	Q16	13.59	13.46	13.54	15.00
		HIGH	Q16	13.89	13.86	13.67	15.00
3	1	LOW	64QAM	14.13	14.41	14.16	15.00
		MID	64QAM	14.25	13.86	13.78	15.00
		HIGH	64QAM	12.61	12.42	12.27	14.00
	8	LOW	64QAM	12.54	12.49	12.54	14.00
		MID	64QAM	12.47	12.29	12.52	14.00
		HIGH	64QAM	12.40	12.52	12.39	14.00
	15	LOW	64QAM	13.96	13.68	13.79	15.00
		MID	64QAM	13.97	14.32	14.09	15.00
		HIGH	64QAM	14.12	13.83	13.71	15.00
5	1	LOW	64QAM	12.69	12.47	12.39	14.00
		MID	64QAM	12.65	12.59	12.49	14.00
		HIGH	64QAM	12.51	12.30	12.30	14.00
	12	LOW	64QAM	12.48	12.40	12.36	14.00
		MID	64QAM	13.33	13.55	13.50	15.00
		HIGH	Q16	13.41	13.70	13.58	15.00
	25	LOW	Q16	13.69	13.43	13.57	15.00
		MID	Q16	13.50	13.54	13.63	15.00
		HIGH	Q16	13.96	13.68	13.79	15.00
5	1	LOW	64QAM	13.96	13.68	13.79	15.00
		MID	64QAM	13.97	14.32	14.09	15.00
		HIGH	64QAM	14.12	13.83	13.71	15.00
	12	LOW	64QAM	12.69	12.47	12.39	14.00
		MID	64QAM	12.65	12.59	12.49	14.00
		HIGH	64QAM	12.51	12.30	12.30	14.00
	25	LOW	64QAM	12.48	12.40	12.36	14.00
		MID	64QAM	13.33	13.55	13.50	15.00
		HIGH	Q16	13.41	13.70	13.58	15.00

LTE B66-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	15.45	15.40	15.47	17.00
		MID	QPSK	15.61	15.61	15.61	17.00
		HIGH	QPSK	15.66	15.64	15.46	17.00
	25	LOW	QPSK	14.36	14.59	14.65	16.00
		MID	QPSK	14.72	14.69	14.66	16.00
		HIGH	QPSK	14.68	14.65	14.51	16.00
	50	LOW	QPSK	14.38	14.61	14.64	16.00
		LOW	Q16	14.72	15.04	14.93	16.00
		MID	Q16	15.12	15.07	15.12	16.00
10	1	HIGH	Q16	15.03	15.08	15.00	16.00
		LOW	Q16	13.39	13.45	13.62	15.00
		MID	Q16	13.51	13.50	13.64	15.00
	25	HIGH	Q16	13.71	13.44	13.63	15.00
		LOW	Q16	13.59	13.38	13.40	15.00
		LOW	64QAM	13.87	13.71	13.70	15.00
	50	MID	64QAM	13.94	14.23	13.89	15.00
		HIGH	64QAM	14.04	13.96	13.95	15.00
		LOW	64QAM	12.46	12.43	12.28	14.00
10	1	MID	64QAM	12.64	12.51	12.58	14.00
		HIGH	64QAM	12.55	12.32	12.35	14.00
		LOW	64QAM	12.51	12.62	12.53	14.00
	25	LOW	QPSK	15.43	15.38	15.31	17.00
		MID	QPSK	15.70	15.57	15.78	17.00
		HIGH	QPSK	15.63	15.60	15.55	17.00
	36	LOW	QPSK	14.44	14.63	14.39	16.00
		MID	QPSK	14.65	14.62	14.70	16.00
		HIGH	QPSK	14.43	14.44	14.61	16.00
15	1	LOW	QPSK	14.35	14.60	14.43	16.00
		LOW	Q16	14.95	14.83	14.72	16.00
		MID	Q16	15.26	15.32	14.95	16.00
	36	HIGH	Q16	14.89	14.99	14.78	16.00
		LOW	Q16	13.49	13.58	13.41	15.00
		MID	Q16	13.52	13.57	13.72	15.00
		HIGH	Q16	13.64	13.42	13.50	15.00
	75	LOW	Q16	13.33	13.55	13.36	15.00
		LOW	64QAM	14.13	13.87	13.79	15.00
15	1	MID	64QAM	14.08	14.24	13.89	15.00
		HIGH	64QAM	14.01	13.82	13.83	15.00
		LOW	64QAM	12.60	12.38	12.43	14.00
	36	MID	64QAM	12.49	12.58	12.58	14.00
		HIGH	64QAM	12.57	12.46	12.42	14.00
		LOW	64QAM	12.44	12.49	12.52	14.00
	75	LOW	QPSK	15.37	15.49	15.39	17.00
		MID	QPSK	15.65	15.69	15.63	17.00
		HIGH	QPSK	15.56	15.61	15.50	17.00
20	1	LOW	QPSK	14.45	14.55	14.52	16.00
		MID	QPSK	14.57	14.66	14.66	16.00
		HIGH	QPSK	14.58	14.56	14.54	16.00
	50	LOW	QPSK	14.45	14.55	14.54	16.00
		LOW	Q16	14.83	14.92	14.81	16.00
		MID	Q16	15.12	15.19	15.06	16.00
	100	HIGH	Q16	15.02	15.09	14.88	16.00
		LOW	Q16	13.44	13.56	13.47	15.00
		MID	Q16	13.55	13.62	13.59	15.00
20	1	HIGH	Q16	13.58	13.56	13.50	15.00
		LOW	Q16	13.46	13.52	13.51	15.00
		LOW	64QAM	13.98	13.82	13.75	15.00
	50	MID	64QAM	13.99	14.27	14.02	15.00
		HIGH	64QAM	14.14	13.94	13.86	15.00
		LOW	64QAM	12.59	12.48	12.32	14.00
	100	MID	64QAM	12.59	12.57	12.60	14.00
		HIGH	64QAM	12.47	12.42	12.43	14.00
		LOW	64QAM	12.47	12.53	12.43	14.00

8.3.7 LTE Band66 Output Power

LTE B66-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	14.90	14.96	14.88	16.00
		MID	QPSK	15.13	15.29	15.02	16.00
		HIGH	QPSK	14.97	15.11	14.99	16.00
	3	LOW	QPSK	14.69	14.85	14.80	16.00
		MID	QPSK	15.01	15.22	14.97	16.00
		HIGH	QPSK	15.07	15.01	14.90	16.00
	6	LOW	QPSK	13.89	14.03	14.18	15.00
	1.4	LOW	Q16	14.15	14.46	14.21	15.00
		MID	Q16	14.63	14.69	14.53	15.00
		HIGH	Q16	14.41	14.44	14.40	15.00
		LOW	Q16	14.06	14.47	14.16	15.00
		MID	Q16	14.52	14.64	14.48	15.00
		HIGH	Q16	14.40	14.65	14.32	15.00
	6	LOW	Q16	12.82	12.87	13.00	14.00
1.4	1	LOW	64QAM	13.28	13.44	13.27	14.00
		MID	64QAM	13.71	13.71	13.57	14.00
		HIGH	64QAM	13.48	13.52	13.39	14.00
	3	LOW	64QAM	13.04	13.36	13.36	14.00
		MID	64QAM	13.65	13.55	13.35	14.00
		HIGH	64QAM	13.40	13.56	13.38	14.00
	6	LOW	64QAM	11.94	11.87	11.94	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	14.80	14.79	14.72	16.00
		MID	QPSK	15.10	15.04	15.16	16.00
		HIGH	QPSK	14.80	15.00	14.95	16.00
	8	LOW	QPSK	13.96	13.90	14.10	15.00
		MID	QPSK	14.11	13.91	14.05	15.00
		HIGH	QPSK	14.15	14.12	13.99	15.00
	15	LOW	QPSK	14.03	14.04	14.10	15.00
	3	LOW	Q16	14.10	14.36	14.41	15.00
		MID	Q16	14.69	14.68	14.58	15.00
		HIGH	Q16	14.48	14.58	14.46	15.00
		LOW	Q16	12.91	13.12	12.85	14.00
		MID	Q16	13.09	13.06	12.96	14.00
		HIGH	Q16	13.10	12.92	12.91	14.00
	15	LOW	Q16	12.77	12.85	13.06	14.00
3	1	LOW	64QAM	13.15	13.38	13.29	14.00
		MID	64QAM	13.75	13.82	13.34	14.00
		HIGH	64QAM	13.56	13.60	13.57	14.00
	8	LOW	64QAM	11.98	12.03	12.18	13.00
		MID	64QAM	12.10	11.90	12.13	13.00
		HIGH	64QAM	11.75	11.93	11.97	13.00
	15	LOW	64QAM	11.81	11.88	12.23	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	14.82	15.05	14.81	16.00
		MID	QPSK	15.15	15.19	15.12	16.00
		HIGH	QPSK	14.81	15.05	14.99	16.00
	12	LOW	QPSK	13.93	14.14	13.84	15.00
		MID	QPSK	14.02	14.19	14.30	15.00
		HIGH	QPSK	14.15	14.06	14.17	15.00
	25	LOW	QPSK	13.92	13.92	14.08	15.00
	5	LOW	Q16	14.31	14.42	14.25	15.00
		MID	Q16	14.60	14.53	14.54	15.00
		HIGH	Q16	14.55	14.38	14.28	15.00
		LOW	Q16	12.96	12.90	12.84	14.00
		MID	Q16	12.96	13.04	12.98	14.00
		HIGH	Q16	13.05	13.04	12.88	14.00
	25	LOW	Q16	12.81	12.96	12.89	14.00
5	1	LOW	64QAM	13.07	13.19	13.43	14.00
		MID	64QAM	13.73	13.67	13.41	14.00
		HIGH	64QAM	13.49	13.45	13.48	14.00
	12	LOW	64QAM	11.92	11.99	11.98	13.00
		MID	64QAM	11.97	12.01	12.19	13.00
		HIGH	64QAM	11.87	11.75	11.93	13.00
	25	LOW	64QAM	11.80	11.78	12.09	13.00

LTE B66-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	14.84	14.86	14.80	16.00
		MID	QPSK	15.21	15.05	15.05	16.00
		HIGH	QPSK	15.03	15.14	15.08	16.00
	25	LOW	QPSK	13.94	14.13	14.12	15.00
		MID	QPSK	14.11	14.05	14.21	15.00
		HIGH	QPSK	14.15	13.92	13.91	15.00
	50	LOW	QPSK	13.82	13.86	13.91	15.00
		LOW	Q16	14.15	14.32	14.23	15.00
		MID	Q16	14.63	14.55	14.61	15.00
10	1	HIGH	Q16	14.32	14.66	14.27	15.00
		LOW	Q16	12.99	13.06	12.95	14.00
		MID	Q16	13.10	12.93	12.91	14.00
	25	HIGH	Q16	12.93	13.07	12.99	14.00
		LOW	Q16	12.87	12.85	12.90	14.00
	50	LOW	Q16	12.87	12.85	12.90	14.00
		LOW	64QAM	13.25	13.49	13.20	14.00
		MID	64QAM	13.63	13.73	13.42	14.00
		HIGH	64QAM	13.56	13.52	13.29	14.00
10	1	LOW	64QAM	11.76	12.05	11.96	13.00
		MID	64QAM	12.15	11.78	12.25	13.00
		HIGH	64QAM	11.91	11.99	12.18	13.00
	25	LOW	64QAM	11.71	12.03	12.16	13.00
		LOW	64QAM	11.71	12.03	12.16	13.00
		LOW	64QAM	11.71	12.03	12.16	13.00
	50	LOW	64QAM	11.71	12.03	12.16	13.00
		LOW	64QAM	11.71	12.03	12.16	13.00
		LOW	64QAM	11.71	12.03	12.16	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	14.65	14.98	14.76	16.00
		MID	QPSK	15.06	15.05	15.16	16.00
		HIGH	QPSK	14.94	15.04	15.01	16.00
	36	LOW	QPSK	14.02	14.14	13.97	15.00
		MID	QPSK	13.97	14.05	14.08	15.00
		HIGH	QPSK	14.12	14.07	13.97	15.00
	75	LOW	QPSK	13.90	13.95	14.01	15.00
		LOW	Q16	14.13	14.39	14.37	15.00
		MID	Q16	14.57	14.61	14.71	15.00
15	1	HIGH	Q16	14.40	14.48	14.43	15.00
		LOW	Q16	12.88	13.08	13.09	14.00
		MID	Q16	12.95	13.19	13.15	14.00
	36	HIGH	Q16	12.98	13.05	13.08	14.00
		LOW	Q16	12.82	12.91	13.17	14.00
		MID	Q16	12.82	12.91	13.17	14.00
	75	LOW	Q16	12.82	12.91	13.17	14.00
		LOW	64QAM	13.29	13.27	13.32	14.00
		MID	64QAM	13.69	13.57	13.46	14.00
15	1	HIGH	64QAM	13.46	13.42	13.51	14.00
		LOW	64QAM	11.83	11.99	11.93	13.00
		MID	64QAM	11.92	11.96	12.12	13.00
	36	HIGH	64QAM	11.80	11.90	12.01	13.00
		LOW	64QAM	11.65	11.77	12.18	13.00
		LOW	64QAM	11.65	11.77	12.18	13.00
	75	LOW	64QAM	11.65	11.77	12.18	13.00
		LOW	64QAM	11.65	11.77	12.18	13.00
		LOW	64QAM	11.65	11.77	12.18	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	14.77	14.92	14.84	16.00
		MID	QPSK	15.10	15.14	15.11	16.00
		HIGH	QPSK	14.95	15.09	14.97	16.00
	50	LOW	QPSK	13.90	14.00	13.99	15.00
		MID	QPSK	13.99	14.06	14.05	15.00
		HIGH	QPSK	14.01	13.99	14.06	15.00
	100	LOW	QPSK	13.91	13.98	14.04	15.00
		LOW	Q16	14.20	14.34	14.27	15.00
		MID	Q16	14.58	14.62	14.56	15.00
20	1	HIGH	Q16	14.42	14.51	14.37	15.00
		LOW	Q16	12.87	12.97	12.95	14.00
		MID	Q16	12.99	13.06	13.06	14.00
	50	HIGH	Q16	13.00	12.96	13.03	14.00
		LOW	Q16	12.88	12.94	13.02	14.00
		MID	Q16	12.88	12.94	13.02	14.00
	100	LOW	Q16	12.88	12.94	13.02	14.00
		LOW	64QAM	13.18	13.34	13.30	14.00
		MID	64QAM	13.65	13.70	13.49	14.00
20	1	HIGH	64QAM	13.45	13.46	13.43	14.00
		LOW	64QAM	11.83	11.98	12.06	13.00
		MID	64QAM	12.00	11.93	12.15	13.00
	50	HIGH	64QAM	11.86	11.90	12.08	13.00
		LOW	64QAM	11.79	11.89	12.08	13.00
		MID	64QAM	11.79	11.89	12.08	13.00
	100	LOW	64QAM	11.79	11.89	12.08	13.00
		LOW	64QAM	11.79	11.89	12.08	13.00
		LOW	64QAM	11.79	11.89	12.08	13.00

8.3.8 LTE Band38 Output Power

LTE B38-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	20.58	20.52	20.30	22.00
		MID	QPSK	20.74	20.70	20.74	22.00
		HIGH	QPSK	20.47	20.39	20.62	22.00
	12	LOW	QPSK	19.53	19.65	19.60	21.00
		MID	QPSK	19.56	19.66	19.76	21.00
		HIGH	QPSK	19.40	19.67	19.65	21.00
	25	LOW	QPSK	19.65	19.58	19.52	21.00
5	1	LOW	Q16	19.35	19.32	19.38	21.00
		MID	Q16	19.59	19.35	19.79	21.00
		HIGH	Q16	19.24	19.23	19.56	21.00
	12	LOW	Q16	18.42	18.33	18.70	20.00
		MID	Q16	18.45	18.50	18.68	20.00
		HIGH	Q16	18.52	18.60	18.49	20.00
	25	LOW	Q16	18.31	18.56	18.56	20.00
5	1	LOW	64QAM	18.28	18.20	18.55	20.00
		MID	64QAM	18.74	18.61	18.69	20.00
		HIGH	64QAM	18.56	18.17	18.54	20.00
	12	LOW	64QAM	17.67	17.43	17.82	19.00
		MID	64QAM	17.35	17.42	17.54	19.00
		HIGH	64QAM	17.76	17.48	17.86	19.00
	25	LOW	64QAM	17.28	17.28	17.42	19.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	20.45	20.39	20.56	22.00
		MID	QPSK	20.62	20.71	20.85	22.00
		HIGH	QPSK	20.59	20.43	20.54	22.00
	25	LOW	QPSK	19.38	19.37	19.54	21.00
		MID	QPSK	19.53	19.54	19.61	21.00
		HIGH	QPSK	19.49	19.69	19.46	21.00
10	50	LOW	QPSK	19.51	19.44	19.55	21.00
10	1	LOW	Q16	19.34	19.32	19.37	21.00
		MID	Q16	19.59	19.46	19.81	21.00
		HIGH	Q16	19.51	19.37	19.50	21.00
	25	LOW	Q16	18.25	18.34	18.66	20.00
		MID	Q16	18.68	18.68	18.59	20.00
		HIGH	Q16	18.51	18.51	18.63	20.00
	50	LOW	Q16	18.32	18.57	18.58	20.00
10	1	LOW	64QAM	18.27	18.44	18.72	20.00
		MID	64QAM	18.70	18.56	18.71	20.00
		HIGH	64QAM	18.41	18.27	18.49	20.00
	25	LOW	64QAM	17.63	17.27	17.56	19.00
		MID	64QAM	17.53	17.56	17.67	19.00
		HIGH	64QAM	17.70	17.53	17.80	19.00
	50	LOW	64QAM	17.40	17.43	17.61	19.00

LTE B38-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	20.36	20.28	20.42	22.00
		MID	QPSK	20.65	20.72	20.72	22.00
		HIGH	QPSK	20.38	20.42	20.55	22.00
	36	LOW	QPSK	19.34	19.61	19.52	21.00
		MID	QPSK	19.75	19.75	19.66	21.00
		HIGH	QPSK	19.57	19.53	19.44	21.00
	75	LOW	QPSK	19.66	19.52	19.45	21.00
15	1	LOW	Q16	19.50	19.18	19.53	21.00
		MID	Q16	19.58	19.53	19.63	21.00
		HIGH	Q16	19.31	19.22	19.64	21.00
	36	LOW	Q16	18.45	18.51	18.69	20.00
		MID	Q16	18.70	18.63	18.55	20.00
		HIGH	Q16	18.57	18.40	18.54	20.00
	75	LOW	Q16	18.57	18.37	18.39	20.00
15	1	LOW	64QAM	18.40	18.30	18.45	20.00
		MID	64QAM	18.87	18.51	18.72	20.00
		HIGH	64QAM	18.38	18.35	18.44	20.00
	36	LOW	64QAM	17.50	17.38	17.54	19.00
		MID	64QAM	17.53	17.54	17.66	19.00
		HIGH	64QAM	17.72	17.38	17.80	19.00
	75	LOW	64QAM	17.25	17.36	17.45	19.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	20.46	20.42	20.42	22.00
		MID	QPSK	20.71	20.73	20.65	22.00
		HIGH	QPSK	20.53	20.48	20.52	22.00
	50	LOW	QPSK	19.47	19.50	19.52	21.00
		MID	QPSK	19.61	19.65	19.64	21.00
		HIGH	QPSK	19.55	19.57	19.59	21.00
20	100	LOW	QPSK	19.51	19.53	19.54	21.00
	1	LOW	Q16	19.37	19.30	19.50	21.00
		MID	Q16	19.62	19.50	19.76	21.00
		HIGH	Q16	19.39	19.34	19.59	21.00
	50	LOW	Q16	18.38	18.46	18.56	20.00
		MID	Q16	18.56	18.58	18.66	20.00
		HIGH	Q16	18.51	18.52	18.60	20.00
	100	LOW	Q16	18.46	18.49	18.53	20.00
20	1	LOW	64QAM	18.40	18.34	18.58	20.00
		MID	64QAM	18.77	18.56	18.66	20.00
		HIGH	64QAM	18.44	18.26	18.52	20.00
	50	LOW	64QAM	17.52	17.33	17.68	19.00
		MID	64QAM	17.43	17.56	17.67	19.00
		HIGH	64QAM	17.62	17.38	17.74	19.00
	100	LOW	64QAM	17.39	17.34	17.53	19.00

8.3.8 LTE Band38 Output Power

LTE B38-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	19.77	19.83	19.84	21.00
		MID	QPSK	20.17	20.00	19.98	21.00
		HIGH	QPSK	20.00	19.99	20.01	21.00
	12	LOW	QPSK	18.74	18.96	18.83	20.00
		MID	QPSK	19.09	19.16	19.20	20.00
		HIGH	QPSK	19.11	19.04	19.00	20.00
	25	LOW	QPSK	18.79	18.80	18.93	20.00
5	1	LOW	Q16	18.72	18.84	18.83	20.00
		MID	Q16	18.93	18.85	19.10	20.00
		HIGH	Q16	18.71	18.88	18.82	20.00
	12	LOW	Q16	17.90	18.05	18.13	19.00
		MID	Q16	17.96	18.06	17.99	19.00
		HIGH	Q16	18.12	17.97	17.88	19.00
	25	LOW	Q16	18.02	17.76	17.80	19.00
5	1	LOW	64QAM	17.98	17.84	17.80	19.00
		MID	64QAM	17.85	17.93	18.11	19.00
		HIGH	64QAM	17.87	17.87	17.97	19.00
	12	LOW	64QAM	16.83	16.98	17.01	18.00
		MID	64QAM	16.77	16.98	17.03	18.00
		HIGH	64QAM	16.89	16.83	16.90	18.00
	25	LOW	64QAM	16.87	17.06	17.19	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	19.92	19.72	19.79	21.00
		MID	QPSK	20.14	20.11	20.23	21.00
		HIGH	QPSK	20.07	19.82	19.97	21.00
	25	LOW	QPSK	18.91	18.80	19.09	20.00
		MID	QPSK	19.03	18.99	19.11	20.00
		HIGH	QPSK	19.09	19.06	18.81	20.00
10	50	LOW	QPSK	18.77	18.88	19.05	20.00
10	1	LOW	Q16	18.60	18.77	18.78	20.00
		MID	Q16	18.92	18.84	19.21	20.00
		HIGH	Q16	18.80	18.91	18.82	20.00
	25	LOW	Q16	17.80	17.81	17.94	19.00
		MID	Q16	17.83	18.02	18.06	19.00
		HIGH	Q16	17.95	18.10	18.06	19.00
	50	LOW	Q16	18.03	17.90	17.98	19.00
10	1	LOW	64QAM	18.02	17.79	17.86	19.00
		MID	64QAM	17.89	17.95	18.23	19.00
		HIGH	64QAM	17.93	17.88	17.99	19.00
	25	LOW	64QAM	16.80	17.01	17.10	18.00
		MID	64QAM	16.98	17.22	17.05	18.00
		HIGH	64QAM	17.12	17.01	17.00	18.00
	50	LOW	64QAM	16.87	16.88	16.99	18.00

LTE B38-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	19.89	19.75	19.81	21.00
		MID	QPSK	20.26	20.03	20.26	21.00
		HIGH	QPSK	20.05	19.93	19.96	21.00
	36	LOW	QPSK	18.99	18.77	19.07	20.00
		MID	QPSK	18.97	18.98	19.09	20.00
		HIGH	QPSK	19.03	19.04	19.07	20.00
	75	LOW	QPSK	18.95	18.89	19.06	20.00
15	1	LOW	Q16	18.69	18.57	18.80	20.00
		MID	Q16	18.95	18.98	19.27	20.00
		HIGH	Q16	18.89	18.63	19.05	20.00
	36	LOW	Q16	17.93	18.00	18.00	19.00
		MID	Q16	18.06	18.12	18.06	19.00
		HIGH	Q16	18.07	17.98	17.87	19.00
	75	LOW	Q16	17.83	17.99	18.03	19.00
15	1	LOW	64QAM	17.95	17.73	17.79	19.00
		MID	64QAM	17.91	18.03	18.10	19.00
		HIGH	64QAM	17.98	17.93	17.99	19.00
	36	LOW	64QAM	16.85	16.80	17.07	18.00
		MID	64QAM	16.88	17.19	16.90	18.00
		HIGH	64QAM	16.91	17.09	16.90	18.00
	75	LOW	64QAM	16.74	17.02	17.17	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	19.86	19.85	19.86	21.00
		MID	QPSK	20.14	20.07	20.12	21.00
		HIGH	QPSK	19.94	19.89	19.90	21.00
	50	LOW	QPSK	18.86	18.90	18.98	20.00
		MID	QPSK	19.01	19.02	19.05	20.00
		HIGH	QPSK	19.02	18.96	18.94	20.00
20	100	LOW	QPSK	18.92	18.92	18.93	20.00
	1	LOW	Q16	18.75	18.71	18.89	20.00
		MID	Q16	19.04	18.92	19.16	20.00
		HIGH	Q16	18.84	18.76	18.97	20.00
	50	LOW	Q16	17.79	17.90	18.00	19.00
		MID	Q16	17.97	18.01	18.06	19.00
		HIGH	Q16	17.97	17.95	17.96	19.00
	100	LOW	Q16	17.89	17.90	17.94	19.00
20	1	LOW	64QAM	17.90	17.83	17.80	19.00
		MID	64QAM	17.90	18.07	18.08	19.00
		HIGH	64QAM	17.85	17.78	18.10	19.00
	50	LOW	64QAM	16.72	16.95	17.08	18.00
		MID	64QAM	16.85	17.13	16.94	18.00
		HIGH	64QAM	17.03	16.97	16.98	18.00
	100	LOW	64QAM	16.83	16.98	17.08	18.00

8.3.9 LTE Band41 Output Power

BL-SZ2470699-AP

SZ2470099-AP			LTE B41-Ant.2				
Bandwidth (MHz)	RB Size	RB offset	Modulation	40065	40640	41215	Tune-up power(dBm)
5	1	LOW	QPSK	20.60	20.40	20.60	22.00
		MID	QPSK	20.88	20.51	20.52	22.00
		HIGH	QPSK	20.58	20.41	20.34	22.00
	12	LOW	QPSK	19.73	19.46	19.59	21.00
		MID	QPSK	19.75	19.46	19.56	21.00
		HIGH	QPSK	19.82	19.61	19.26	21.00
25	LOW	QPSK	19.78	19.47	19.27	21.00	
5	1	LOW	Q16	19.06	19.46	19.14	21.00
		MID	Q16	19.68	19.31	19.36	21.00
		HIGH	Q16	19.53	19.56	19.25	21.00
	12	LOW	Q16	18.40	18.66	18.58	20.00
		MID	Q16	18.59	18.26	18.51	20.00
		HIGH	Q16	18.54	18.52	18.48	20.00
	25	LOW	Q16	18.60	18.44	18.33	20.00
		LOW	64QAM	18.12	18.35	18.05	20.00
5	1	MID	64QAM	18.66	18.19	18.44	20.00
		HIGH	64QAM	18.42	18.51	18.24	20.00
		LOW	64QAM	17.47	17.80	17.62	19.00
	12	MID	64QAM	17.66	17.24	17.49	19.00
		HIGH	64QAM	17.52	17.67	17.45	19.00
		25	LOW	64QAM	17.74	17.54	17.46
Bandwidth (MHz)	RB Size	RB offset	Modulation	40090	40640	41190	Tune-up power(dBm)
10	1	LOW	QPSK	20.34	20.34	20.35	22.00
		MID	QPSK	20.67	20.71	20.46	22.00
		HIGH	QPSK	20.45	20.43	20.54	22.00
	25	LOW	QPSK	19.37	19.48	19.49	21.00
		MID	QPSK	19.73	19.60	19.54	21.00
		HIGH	QPSK	19.76	19.62	19.28	21.00
50	LOW	QPSK	19.46	19.35	19.55	21.00	
10	1	LOW	Q16	19.18	19.47	19.26	21.00
		MID	Q16	19.70	19.74	19.58	21.00
		HIGH	Q16	19.33	19.61	19.27	21.00
	25	LOW	Q16	18.55	18.42	18.46	20.00
		MID	Q16	18.60	18.48	18.38	20.00
		HIGH	Q16	18.63	18.45	18.33	20.00
50	LOW	Q16	18.60	18.45	18.36	20.00	
10	1	LOW	64QAM	18.06	18.52	18.29	20.00
		MID	64QAM	18.33	18.72	18.52	20.00
		HIGH	64QAM	18.39	18.36	18.00	20.00
	25	LOW	64QAM	17.35	17.53	17.36	19.00
		MID	64QAM	17.66	17.66	17.51	19.00
		HIGH	64QAM	17.71	17.79	17.22	19.00
	50	LOW	64QAM	17.49	17.35	17.27	19.00

SZ2470099-AP			LTE B41-Ant.2				
Bandwidth (MHz)	RB Size	RB offset	Modulation	40115	40640	41165	Tune-up power(dBm)
15	1	LOW	QPSK	20.56	20.37	20.51	22.00
		MID	QPSK	20.78	20.48	20.52	22.00
		HIGH	QPSK	20.52	20.50	20.44	22.00
	36	LOW	QPSK	19.59	19.33	19.55	21.00
		MID	QPSK	19.66	19.39	19.59	21.00
		HIGH	QPSK	19.85	19.55	19.35	21.00
75	LOW	QPSK	19.63	19.42	19.29	21.00	
15	1	LOW	Q16	19.13	19.52	19.14	21.00
		MID	Q16	19.60	19.46	19.51	21.00
		HIGH	Q16	19.39	19.53	19.15	21.00
	36	LOW	Q16	18.45	18.54	18.53	20.00
		MID	Q16	18.63	18.37	18.37	20.00
		HIGH	Q16	18.64	18.43	18.35	20.00
75	LOW	Q16	18.72	18.30	18.27	20.00	
15	1	LOW	64QAM	18.07	18.37	18.36	20.00
		MID	64QAM	18.38	18.44	18.58	20.00
		HIGH	64QAM	18.38	18.22	18.17	20.00
	36	LOW	64QAM	17.25	17.38	17.20	19.00
		MID	64QAM	17.56	17.50	17.67	19.00
		HIGH	64QAM	17.52	17.73	17.46	19.00
75	LOW	64QAM	17.62	17.51	17.34	19.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	40140	40640	41140	Tune-up power(dBm)
20	1	LOW	QPSK	20.41	20.37	20.39	22.00
		MID	QPSK	20.72	20.58	20.59	22.00
		HIGH	QPSK	20.53	20.43	20.39	22.00
	50	LOW	QPSK	19.50	19.38	19.48	21.00
		MID	QPSK	19.68	19.51	19.48	21.00
		HIGH	QPSK	19.71	19.49	19.39	21.00
100	LOW	QPSK	19.60	19.42	19.42	21.00	
20	1	LOW	Q16	19.27	19.40	19.29	21.00
		MID	Q16	19.55	19.59	19.49	21.00
		HIGH	Q16	19.36	19.49	19.29	21.00
	50	LOW	Q16	18.48	18.39	18.43	20.00
		MID	Q16	18.65	18.51	18.47	20.00
		HIGH	Q16	18.69	18.51	18.38	20.00
100	LOW	Q16	18.57	18.43	18.41	20.00	
20	1	LOW	64QAM	18.20	18.44	18.31	20.00
		MID	64QAM	18.41	18.58	18.56	20.00
		HIGH	64QAM	18.34	18.36	18.14	20.00
	50	LOW	64QAM	17.39	17.50	17.29	19.00
		MID	64QAM	17.64	17.56	17.55	19.00
		HIGH	64QAM	17.67	17.66	17.34	19.00
100	LOW	64QAM	17.63	17.50	17.41	19.00	

8.3.9 LTE Band41 Output Power

BL-SZ2470699-AP

SZ2470099-AP			LTE B41-Ant.0				
Bandwidth (MHz)	RB Size	RB offset	Modulation	40065	40640	41215	Tune-up power(dBm)
5	1	LOW	QPSK	19.69	19.78	19.51	21.00
		MID	QPSK	19.98	19.72	19.89	21.00
		HIGH	QPSK	19.87	19.89	19.60	21.00
	12	LOW	QPSK	18.58	18.76	18.74	20.00
		MID	QPSK	19.06	18.99	18.75	20.00
		HIGH	QPSK	19.15	18.73	18.55	20.00
	25	LOW	QPSK	18.80	19.04	18.96	20.00
5	1	LOW	Q16	18.69	18.90	18.92	20.00
		MID	Q16	18.63	19.39	18.83	20.00
		HIGH	Q16	18.70	19.04	18.59	20.00
	12	LOW	Q16	17.77	17.87	17.82	19.00
		MID	Q16	17.88	17.95	17.70	19.00
		HIGH	Q16	18.13	18.13	17.63	19.00
	25	LOW	Q16	18.01	17.67	17.94	19.00
5	1	LOW	64QAM	17.61	18.03	17.81	19.00
		MID	64QAM	17.75	18.51	17.79	19.00
		HIGH	64QAM	17.61	18.06	17.49	19.00
	12	LOW	64QAM	16.88	16.72	16.83	18.00
		MID	64QAM	16.86	16.88	16.83	18.00
		HIGH	64QAM	17.11	17.21	16.76	18.00
	25	LOW	64QAM	17.15	16.71	16.81	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	40090	40640	41190	Tune-up power(dBm)
10	1	LOW	QPSK	19.75	19.69	19.93	21.00
		MID	QPSK	20.10	20.17	20.03	21.00
		HIGH	QPSK	19.82	19.79	19.89	21.00
	25	LOW	QPSK	18.79	18.88	18.85	20.00
		MID	QPSK	19.10	19.07	18.80	20.00
		HIGH	QPSK	18.99	18.81	18.73	20.00
	50	LOW	QPSK	18.95	18.81	18.89	20.00
10	1	LOW	Q16	18.70	18.88	18.79	20.00
		MID	Q16	18.98	19.22	18.98	20.00
		HIGH	Q16	18.91	18.99	18.57	20.00
	25	LOW	Q16	17.84	17.71	17.86	19.00
		MID	Q16	17.93	18.07	17.98	19.00
		HIGH	Q16	17.93	18.05	17.60	19.00
	50	LOW	Q16	17.85	17.94	17.78	19.00
10	1	LOW	64QAM	17.71	17.89	17.93	19.00
		MID	64QAM	17.85	18.23	17.73	19.00
		HIGH	64QAM	18.03	17.82	17.68	19.00
	25	LOW	64QAM	16.69	16.71	16.88	18.00
		MID	64QAM	16.92	17.10	16.74	18.00
		HIGH	64QAM	16.83	17.17	16.75	18.00
	50	LOW	64QAM	16.70	16.89	16.77	18.00

SZ2470099-AP			LTE B41-Ant.0				
Bandwidth (MHz)	RB Size	RB offset	Modulation	40115	40640	41165	Tune-up power(dBm)
15	1	LOW	QPSK	19.72	19.75	19.64	21.00
		MID	QPSK	20.08	19.87	20.01	21.00
		HIGH	QPSK	19.77	19.77	19.65	21.00
	36	LOW	QPSK	18.72	18.73	18.85	20.00
		MID	QPSK	19.15	18.97	18.78	20.00
		HIGH	QPSK	19.14	18.78	18.64	20.00
75	LOW	QPSK	18.90	18.93	18.94	20.00	
15	1	LOW	Q16	18.55	18.94	18.79	20.00
		MID	Q16	18.76	19.26	18.94	20.00
		HIGH	Q16	18.74	18.92	18.71	20.00
	36	LOW	Q16	17.81	17.72	17.82	19.00
		MID	Q16	17.96	18.02	17.71	19.00
		HIGH	Q16	18.07	18.00	17.64	19.00
75	LOW	Q16	17.99	17.80	17.82	19.00	
15	1	LOW	64QAM	17.85	17.85	17.87	19.00
		MID	64QAM	17.84	18.13	17.73	19.00
		HIGH	64QAM	17.94	18.00	17.44	19.00
	36	LOW	64QAM	16.78	16.69	16.98	18.00
		MID	64QAM	16.96	16.91	16.75	18.00
		HIGH	64QAM	16.91	17.12	16.71	18.00
75	LOW	64QAM	16.88	16.87	16.79	18.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	40140	40640	41140	Tune-up power(dBm)
20	1	LOW	QPSK	19.68	19.82	19.79	21.00
		MID	QPSK	20.05	20.02	19.98	21.00
		HIGH	QPSK	19.87	19.90	19.75	21.00
	50	LOW	QPSK	18.81	18.85	18.86	20.00
		MID	QPSK	19.02	18.98	18.84	20.00
		HIGH	QPSK	19.00	18.92	18.76	20.00
100	LOW	QPSK	18.90	18.87	18.81	20.00	
20	1	LOW	Q16	18.56	18.91	18.70	20.00
		MID	Q16	18.89	19.11	18.92	20.00
		HIGH	Q16	18.78	18.95	18.64	20.00
	50	LOW	Q16	17.81	17.86	17.83	19.00
		MID	Q16	17.98	18.02	17.84	19.00
		HIGH	Q16	17.98	17.96	17.73	19.00
100	LOW	Q16	17.89	17.87	17.82	19.00	
20	1	LOW	64QAM	17.70	17.79	17.78	19.00
		MID	64QAM	17.79	18.12	17.81	19.00
		HIGH	64QAM	17.92	17.89	17.57	19.00
	50	LOW	64QAM	16.83	16.74	16.86	18.00
		MID	64QAM	16.92	17.03	16.86	18.00
		HIGH	64QAM	16.94	17.07	16.81	18.00
100	LOW	64QAM	16.78	16.98	16.89	18.00	

8.4.1 LTE Band2 Uplink CA Output Power

LTE Uplink 2CA_ Band 2-ANT2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
18700	18898	20	QPSK	1	High	1	Low	2	15.28	17.00
18900	19098	20	QPSK	1	High	1	Low	2	15.34	17.00
19100	18902	20	QPSK	1	Low	1	High	2	15.16	17.00

LTE Uplink 2CA_ Band 2-ANT0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
18700	18898	20	QPSK	1	High	1	Low	2	15.29	16.00
18900	19098	20	QPSK	1	High	1	Low	2	15.11	16.00
19100	18902	20	QPSK	1	Low	1	High	2	14.99	16.00

8.4.2 LTE Band5 Uplink CA Output Power

LTE Uplink 2CA_ Band 5-ANT2										
Combination 10MHz+10MHz(50RB+50RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20450	20549	10	QPSK	1	High	1	Low	2	19.76	21.00
20476	20575	10	QPSK	1	High	1	Low	2	19.85	21.00
20600	20501	10	QPSK	1	Low	1	High	2	19.77	21.00

LTE Uplink 2CA_ Band 5-ANT0										
Combination 10MHz+10MHz(50RB+50RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20450	20549	10	QPSK	1	High	1	Low	2	19.65	21.00
20476	20575	10	QPSK	1	High	1	Low	2	19.73	21.00
20600	20501	10	QPSK	1	Low	1	High	2	19.65	21.00

8.4.3 LTE Band7 Uplink CA Output Power

LTE Uplink 2CA_ Band 7-ANT2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	17.21	19.00
21100	21298	20	QPSK	1	High	1	Low	2	17.41	19.00
21350	21152	20	QPSK	1	Low	1	High	2	17.26	19.00

LTE Uplink 2CA_ Band 7-ANT0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	16.92	18.00
21100	21298	20	QPSK	1	High	1	Low	2	16.86	18.00
21350	21152	20	QPSK	1	Low	1	High	2	16.91	18.00

8.4.4 LTE Band66 Uplink CA Output Power

LTE Uplink 2CA_ Band 66-ANT2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	15.22	17.00
132322	132520	20	QPSK	1	Low	1	High	2	15.36	17.00
132572	132374	20	QPSK	1	Low	1	High	2	15.33	17.00

LTE Uplink 2CA_ Band 66-ANT0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	14.93	16.00
132322	132520	20	QPSK	1	Low	1	High	2	15.07	16.00
132572	132374	20	QPSK	1	Low	1	High	2	14.98	16.00

8.4.5 LTE Band38 Uplink CA Output Power

LTE Uplink 2CA_ Band 38-ANT2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
38750	38948	20	QPSK	1	High	1	Low	2	20.36	22
38000	38198	20	QPSK	1	High	1	Low	2	20.65	22
38150	37952	20	QPSK	1	Low	1	High	2	20.55	22

LTE Uplink 2CA_ Band 38-ANT0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
38750	38948	20	QPSK	1	High	1	Low	2	20.02	21
38000	38198	20	QPSK	1	High	1	Low	2	19.95	21
38150	37952	20	QPSK	1	Low	1	High	2	19.96	21

8.4.6 LTE Band41 Uplink CA Output Power

LTE Uplink 2CA_ Band 41-ANT2										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
40140	40338	20	QPSK	1	High	1	Low	2	20.23	22.00
40640	40838	20	QPSK	1	High	1	Low	2	20.21	22.00
41140	40942	20	QPSK	1	High	1	Low	2	20.14	22.00

LTE Uplink 2CA_ Band 41-ANT0										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
40140	40338	20	QPSK	1	High	1	Low	2	19.81	21.00
40640	40838	20	QPSK	1	High	1	Low	2	19.73	21.00
41140	40942	20	QPSK	1	Low	1	High	2	19.72	21.00