

8 CONDUCTED RF OUPUT POWER

8.1	WCDMA Output Power
8.2	LTE Output Power
8.2.1	LTE Band2 Output Power
8.2.2	LTE Band4 Output Power
8.2.3	LTE Band5 Output Power
8.2.4	LTE Band12 Output Power
8.2.5	LTE Band13 Output Power
8.2.6	LTE Band14 Output Power
8.2.7	LTE Band66 Output Power
8.2.8	LTE Band71 Output Power
8.3	WIFI 2.4G Output Power
8.4	Bluetooth
8.4.1	Bluetooth Output Power
8.4.2	Bluetooth Duty Cycle

8.1 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	16.07	16.14	16.51	18.00
RMC 12.2Kbps	16.19	16.15	17.00	18.00
HSDPA Subtest-1	15.09	15.12	16.06	17.00
HSDPA Subtest-2	15.23	15.23	16.40	17.00
HSDPA Subtest-3	14.74	14.58	15.74	16.50
HSDPA Subtest-4	14.70	14.68	15.65	16.50
DC-HSDPA Subtest-1	15.07	15.05	16.22	17.00
DC-HSDPA Subtest-2	15.18	15.24	16.33	17.00
DC-HSDPA Subtest-3	14.59	14.64	15.93	16.50
DC-HSDPA Subtest-4	14.89	14.61	15.79	16.50
HSUPA Subtest-1	14.39	14.44	15.57	16.00
HSUPA Subtest-2	12.21	12.34	13.24	14.00
HSUPA Subtest-3	13.24	13.35	14.54	15.00
HSUPA Subtest-4	12.20	12.38	13.23	14.00
HSUPA Subtest-5	15.08	15.11	16.16	17.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	17.12	17.77	18.35	19.00
RMC 12.2Kbps	17.15	17.80	18.56	19.00
HSDPA Subtest-1	16.97	16.85	17.54	18.00
HSDPA Subtest-2	16.73	16.81	17.59	18.00
HSDPA Subtest-3	16.32	16.35	17.04	17.50
HSDPA Subtest-4	16.15	16.33	16.89	17.50
DC-HSDPA Subtest-1	16.89	16.69	17.63	18.00
DC-HSDPA Subtest-2	16.58	16.86	17.44	18.00
DC-HSDPA Subtest-3	16.27	16.44	17.17	17.50
DC-HSDPA Subtest-4	16.17	16.41	16.81	17.50
HSUPA Subtest-1	16.08	15.99	16.65	17.00
HSUPA Subtest-2	14.14	13.95	14.79	15.00
HSUPA Subtest-3	14.93	15.02	15.52	16.00
HSUPA Subtest-4	13.97	14.02	14.78	15.00
HSUPA Subtest-5	16.56	16.52	17.38	17.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	10.91	10.38	11.95	12.00
RMC 12.2Kbps	10.23	10.45	11.97	12.00
HSDPA Subtest-1	9.50	9.44	10.69	11.00
HSDPA Subtest-2	9.51	9.38	10.64	11.00
HSDPA Subtest-3	8.85	9.02	10.10	10.50
HSDPA Subtest-4	8.99	8.98	10.08	10.50
DC-HSDPA Subtest-1	9.31	9.42	10.72	11.00
DC-HSDPA Subtest-2	9.31	9.33	10.67	11.00
DC-HSDPA Subtest-3	9.04	8.86	10.10	10.50
DC-HSDPA Subtest-4	8.86	8.83	10.02	10.50
HSUPA Subtest-1	8.56	8.74	9.94	10.00
HSUPA Subtest-2	7.01	6.84	7.83	8.00
HSUPA Subtest-3	7.70	7.79	8.80	9.00
HSUPA Subtest-4	6.97	6.92	7.89	8.00
HSUPA Subtest-5	9.56	9.55	10.88	11.00

8.2 LTE Output Power

8.2.1 LTE Band2 Output Power

LTE B2 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.15	16.45	16.80	17.00
		MID	QPSK	16.85	16.88	16.88	17.00
		HIGH	QPSK	16.44	16.84	16.53	17.00
	3	LOW	QPSK	16.38	16.55	16.84	17.00
		MID	QPSK	16.69	16.67	16.76	17.00
		HIGH	QPSK	16.49	16.81	16.54	17.00
	6	LOW	QPSK	15.42	15.54	15.66	16.00
1.4	1	LOW	Q16	15.73	15.77	15.21	16.00
		MID	Q16	15.76	15.22	15.67	16.00
		HIGH	Q16	15.64	15.69	15.34	16.00
	3	LOW	Q16	15.64	15.59	15.40	16.00
		MID	Q16	15.75	15.85	15.58	16.00
		HIGH	Q16	15.49	15.71	15.05	16.00
	6	LOW	Q16	14.41	14.55	14.94	15.00
1.4	1	LOW	64QAM	14.63	14.63	14.27	15.00
		MID	64QAM	14.91	14.94	14.59	15.00
		HIGH	64QAM	14.57	14.59	14.42	15.00
	3	LOW	64QAM	14.73	14.62	14.39	15.00
		MID	64QAM	14.78	14.97	14.43	15.00
		HIGH	64QAM	14.59	14.67	14.19	15.00
	6	LOW	64QAM	13.40	13.59	13.89	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	16.42	16.58	16.92	17.00
		MID	QPSK	16.62	16.89	16.72	17.00
		HIGH	QPSK	16.43	16.65	16.54	17.00
	8	LOW	QPSK	15.52	15.54	15.66	16.00
		MID	QPSK	15.51	15.81	15.48	16.00
		HIGH	QPSK	15.49	15.60	15.64	16.00
	15	LOW	QPSK	15.34	15.42	15.38	16.00
3	1	LOW	Q16	15.66	15.79	15.32	16.00
		MID	Q16	15.75	15.42	15.74	16.00
		HIGH	Q16	15.74	15.84	15.27	16.00
	8	LOW	Q16	14.44	14.73	14.92	15.00
		MID	Q16	14.44	14.61	14.62	15.00
		HIGH	Q16	14.41	14.74	14.66	15.00
	15	LOW	Q16	14.55	14.74	14.96	15.00
3	1	LOW	64QAM	14.57	14.84	14.37	15.00
		MID	64QAM	14.86	14.82	14.64	15.00
		HIGH	64QAM	14.65	14.71	14.03	15.00
	8	LOW	64QAM	13.43	13.57	13.85	14.00
		MID	64QAM	13.63	13.61	13.22	14.00
		HIGH	64QAM	13.39	13.68	13.92	14.00
	15	LOW	64QAM	13.46	13.54	13.95	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	16.16	16.40	16.77	17.00
		MID	QPSK	16.88	16.63	16.71	17.00
		HIGH	QPSK	16.30	16.62	16.43	17.00
	12	LOW	QPSK	15.28	15.47	15.78	16.00
		MID	QPSK	15.33	15.78	15.39	16.00
		HIGH	QPSK	15.41	15.59	15.69	16.00
	25	LOW	QPSK	15.56	15.47	15.43	16.00
5	1	LOW	Q16	15.54	15.67	15.15	16.00
		MID	Q16	15.77	15.89	15.59	16.00
		HIGH	Q16	15.46	15.69	15.19	16.00
	12	LOW	Q16	14.42	14.48	14.90	15.00
		MID	Q16	14.43	14.61	14.63	15.00
		HIGH	Q16	14.56	14.79	14.84	15.00
	25	LOW	Q16	14.35	14.53	14.45	15.00
5	1	LOW	64QAM	14.70	14.79	14.39	15.00
		MID	64QAM	14.61	14.98	14.81	15.00
		HIGH	64QAM	14.47	14.81	14.13	15.00
	12	LOW	64QAM	13.34	13.45	13.92	14.00
		MID	64QAM	13.48	13.67	13.32	14.00
		HIGH	64QAM	13.40	13.84	13.94	14.00
	25	LOW	64QAM	13.40	13.60	13.72	14.00

LTE B2 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	16.31	16.68	16.74	17.00
		MID	QPSK	16.82	16.74	16.75	17.00
		HIGH	QPSK	16.28	16.56	16.41	17.00
	25	LOW	QPSK	15.50	15.50	15.65	16.00
		MID	QPSK	15.45	15.63	15.61	16.00
		HIGH	QPSK	15.61	15.48	15.43	16.00
	50	LOW	QPSK	15.49	15.60	15.42	16.00
10	1	LOW	Q16	15.63	15.68	15.33	16.00
		MID	Q16	15.74	15.92	15.64	16.00
		HIGH	Q16	15.51	15.74	15.10	16.00
	25	LOW	Q16	14.44	14.68	14.92	15.00
		MID	Q16	14.59	14.78	14.92	15.00
		HIGH	Q16	14.56	14.53	14.68	15.00
	50	LOW	Q16	14.31	14.67	14.66	15.00
10	1	LOW	64QAM	14.77	14.91	14.40	15.00
		MID	64QAM	14.60	14.89	14.57	15.00
		HIGH	64QAM	14.51	14.79	14.20	15.00
	25	LOW	64QAM	13.58	13.49	13.32	14.00
		MID	64QAM	13.44	13.70	13.66	14.00
		HIGH	64QAM	13.33	13.88	13.89	14.00
	50	LOW	64QAM	13.56	13.58	13.95	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	16.37	16.64	16.74	17.00
		MID	QPSK	16.66	16.69	16.87	17.00
		HIGH	QPSK	16.21	16.71	16.67	17.00
	36	LOW	QPSK	15.49	15.46	15.73	16.00
		MID	QPSK	15.46	15.77	15.41	16.00
		HIGH	QPSK	15.55	15.64	15.60	16.00
	75	LOW	QPSK	15.33	15.44	15.43	16.00
15	1	LOW	Q16	15.65	15.59	15.19	16.00
		MID	Q16	15.90	15.82	15.67	16.00
		HIGH	Q16	15.74	15.82	15.07	16.00
	36	LOW	Q16	14.47	14.63	15.00	15.00
		MID	Q16	14.50	14.75	14.66	15.00
		HIGH	Q16	14.41	14.54	14.90	15.00
	75	LOW	Q16	14.37	14.78	14.62	15.00
15	1	LOW	64QAM	14.52	14.77	14.44	15.00
		MID	64QAM	14.88	14.94	14.66	15.00
		HIGH	64QAM	14.74	14.95	14.08	15.00
	36	LOW	64QAM	13.44	13.46	13.97	14.00
		MID	64QAM	13.62	13.51	13.32	14.00
		HIGH	64QAM	13.53	13.87	13.98	14.00
	75	LOW	64QAM	13.34	13.82	13.85	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	16.29	16.54	16.77	17.00
		MID	QPSK	16.76	16.78	16.74	17.00
		HIGH	QPSK	16.34	16.70	16.52	17.00
	50	LOW	QPSK	15.37	15.54	15.66	16.00
		MID	QPSK	15.47	15.68	15.53	16.00
		HIGH	QPSK	15.48	15.58	15.54	16.00
	100	LOW	QPSK	15.43	15.56	15.52	16.00
20	1	LOW	Q16	15.66	15.70	15.30	16.00
		MID	Q16	15.75	16.00	15.59	16.00
		HIGH	Q16	15.61	15.77	15.20	16.00
	50	LOW	Q16	14.53	14.62	14.96	15.00
		MID	Q16	14.55	14.73	14.66	15.00
		HIGH	Q16	14.51	14.65	14.79	15.00
	100	LOW	Q16	14.42	14.63	14.92	15.00
20	1	LOW	64QAM	14.66	14.76	14.36	15.00
		MID	64QAM	14.73	14.89	14.70	15.00
		HIGH	64QAM	14.62	14.86	14.16	15.00
	50	LOW	64QAM	13.43	13.50	13.94	14.00
		MID	64QAM	13.52	13.61	13.62	14.00
		HIGH	64QAM	13.39	13.78	13.89	14.00
	100	LOW	64QAM	13.43	13.67	13.80	14.00

8.2.2 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	17.20	17.12	17.51	18.00
		MID	QPSK	17.35	17.67	17.55	18.00
		HIGH	QPSK	17.11	17.39	17.46	18.00
	3	LOW	QPSK	17.14	17.00	17.34	18.00
		MID	QPSK	17.12	17.73	17.73	18.00
		HIGH	QPSK	17.15	17.16	17.47	18.00
	6	LOW	QPSK	16.34	16.25	16.33	17.00
	1.4	LOW	Q16	15.91	16.43	16.11	17.00
		MID	Q16	16.19	16.72	16.81	17.00
		HIGH	Q16	16.21	16.21	16.27	17.00
		LOW	Q16	15.92	15.85	16.12	17.00
		MID	Q16	16.14	16.13	16.68	17.00
		HIGH	Q16	16.19	16.06	16.06	17.00
1.4	6	LOW	Q16	15.10	14.97	15.26	16.00
	1	LOW	64QAM	14.88	15.57	14.97	16.00
		MID	64QAM	15.18	15.72	15.90	16.00
		HIGH	64QAM	15.07	15.43	15.28	16.00
	3	LOW	64QAM	14.79	15.41	15.14	16.00
		MID	64QAM	15.26	15.57	15.68	16.00
		HIGH	64QAM	15.25	15.35	15.11	16.00
	6	LOW	64QAM	14.07	14.02	14.21	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	17.10	17.00	17.45	18.00
		MID	QPSK	17.05	17.54	17.69	18.00
		HIGH	QPSK	17.32	17.16	17.31	18.00
	8	LOW	QPSK	16.28	16.05	16.31	17.00
		MID	QPSK	16.21	16.36	16.16	17.00
		HIGH	QPSK	16.43	16.25	16.31	17.00
	15	LOW	QPSK	16.28	16.18	16.22	17.00
	3	LOW	Q16	16.00	16.32	16.07	17.00
		MID	Q16	16.24	16.62	16.70	17.00
		HIGH	Q16	16.05	16.29	16.12	17.00
		LOW	Q16	15.07	15.38	15.12	16.00
		MID	Q16	15.03	15.20	15.39	16.00
		HIGH	Q16	15.10	15.35	15.48	16.00
3	15	LOW	Q16	15.27	15.18	15.31	16.00
	1	LOW	64QAM	14.86	15.38	15.12	16.00
		MID	64QAM	15.24	15.50	15.90	16.00
		HIGH	64QAM	14.92	15.05	15.25	16.00
	8	LOW	64QAM	14.01	14.29	14.22	15.00
		MID	64QAM	13.91	14.44	14.22	15.00
		HIGH	64QAM	13.85	14.42	14.42	15.00
	15	LOW	64QAM	14.26	14.38	14.45	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	17.18	17.10	17.46	18.00
		MID	QPSK	17.06	17.64	17.60	18.00
		HIGH	QPSK	17.13	17.22	17.43	18.00
	12	LOW	QPSK	16.31	16.12	16.20	17.00
		MID	QPSK	16.23	16.24	16.18	17.00
		HIGH	QPSK	16.22	16.15	16.26	17.00
	25	LOW	QPSK	16.22	16.14	16.23	17.00
	5	LOW	Q16	15.98	16.31	16.00	17.00
		MID	Q16	16.14	16.68	16.82	17.00
		HIGH	Q16	15.97	16.33	16.24	17.00
		LOW	Q16	15.14	15.28	15.23	16.00
		MID	Q16	14.93	15.26	15.39	16.00
		HIGH	Q16	14.96	15.27	15.39	16.00
5	25	LOW	Q16	15.26	15.12	15.28	16.00
	1	LOW	64QAM	14.70	15.46	15.24	16.00
		MID	64QAM	15.18	15.67	15.74	16.00
		HIGH	64QAM	14.98	15.26	15.34	16.00
	12	LOW	64QAM	13.91	14.45	14.10	15.00
		MID	64QAM	14.02	14.48	14.32	15.00
		HIGH	64QAM	14.14	14.19	14.49	15.00
	25	LOW	64QAM	14.25	14.10	14.46	15.00

LTE B4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	17.20	17.01	17.54	18.00
		MID	QPSK	17.31	17.60	17.70	18.00
		HIGH	QPSK	17.23	17.26	17.46	18.00
	25	LOW	QPSK	16.10	16.22	16.37	17.00
		MID	QPSK	16.03	16.29	16.24	17.00
		HIGH	QPSK	16.13	16.36	16.41	17.00
	50	LOW	QPSK	16.11	16.34	16.31	17.00
	10	LOW	Q16	15.79	16.34	16.22	17.00
		MID	Q16	16.06	16.66	16.62	17.00
		HIGH	Q16	16.05	16.40	16.16	17.00
10	1	LOW	Q16	15.21	15.13	15.15	16.00
		MID	Q16	15.07	15.25	15.39	16.00
		HIGH	Q16	15.16	15.36	15.24	16.00
	25	LOW	Q16	15.09	15.01	15.46	16.00
		MID	Q16	15.09	15.01	15.46	16.00
		HIGH	Q16	15.09	15.01	15.46	16.00
	50	LOW	Q16	15.09	15.01	15.46	16.00
10	1	LOW	64QAM	14.62	15.39	15.12	16.00
		MID	64QAM	15.22	15.71	15.84	16.00
		HIGH	64QAM	15.07	15.25	15.35	16.00
	25	LOW	64QAM	14.08	14.31	13.95	15.00
		MID	64QAM	13.94	14.50	14.45	15.00
		HIGH	64QAM	14.06	14.36	14.43	15.00
	50	LOW	64QAM	14.18	14.23	14.38	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	17.17	17.16	17.49	18.00
		MID	QPSK	17.25	17.72	17.74	18.00
		HIGH	QPSK	17.13	17.42	17.39	18.00
	36	LOW	QPSK	16.26	16.01	16.28	17.00
		MID	QPSK	16.22	16.41	16.37	17.00
		HIGH	QPSK	16.39	16.40	16.28	17.00
	75	LOW	QPSK	16.23	16.32	16.20	17.00
	15	LOW	Q16	15.80	16.33	16.23	17.00
		MID	Q16	15.95	16.73	16.71	17.00
		HIGH	Q16	16.03	16.38	16.10	17.00
15	1	LOW	Q16	15.17	15.11	15.11	16.00
		MID	Q16	15.14	15.30	15.14	16.00
		HIGH	Q16	14.98	15.39	15.25	16.00
	36	LOW	Q16	15.27	15.14	15.43	16.00
		MID	Q16	15.27	15.14	15.43	16.00
		HIGH	Q16	15.27	15.14	15.43	16.00
	75	LOW	Q16	15.27	15.14	15.43	16.00
15	1	LOW	64QAM	14.82	15.54	15.38	16.00
		MID	64QAM	15.20	15.57	15.76	16.00
		HIGH	64QAM	14.89	15.25	15.35	16.00
	36	LOW	64QAM	13.94	14.45	14.15	15.00
		MID	64QAM	13.88	14.38	14.19	15.00
		HIGH	64QAM	13.90	14.27	14.36	15.00
	75	LOW	64QAM	14.23	14.34	14.51	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	17.07	17.07	17.49	18.00
		MID	QPSK	17.20	17.58	17.59	18.00
		HIGH	QPSK	17.18	17.27	17.42	18.00
	50	LOW	QPSK	16.22	16.15	16.34	17.00
		MID	QPSK	16.11	16.33	16.31	17.00
		HIGH	QPSK	16.28	16.29	16.37	17.00
	100	LOW	QPSK	16.23	16.22	16.30	17.00
	20	LOW	Q16	15.87	16.37	16.11	17.00
		MID	Q16	16.10	16.63	16.77	17.00
		HIGH	Q16	16.12	16.30	16.18	17.00
20	1	LOW	Q16	15.07	15.25	15.22	16.00
		MID	Q16	14.99	15.33	15.24	16.00
		HIGH	Q16	15.01	15.38	15.36	16.00
	50	LOW	Q16	15.21	15.08	15.38	16.00
		MID	Q16	15.21	15.08	15.38	16.00
		HIGH	Q16	15.21	15.08	15.38	16.00
	100	LOW	Q16	15.21	15.08	15.38	16.00
20	1	LOW	64QAM	14.76	15.51	15.24	16.00
		MID	64QAM	15.21	15.64	15.88	16.00
		HIGH	64QAM	15.03	15.15	15.27	16.00
	50	LOW	64QAM	14.02	14.37	14.08	15.00
		MID	64QAM	14.03	14.36	14.30	15.00
		HIGH	64QAM	14.00	14.28	14.37	15.00
	100	LOW	64QAM	14.16	14.23	14.44	15.00

8.2.3 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	16.54	16.65	16.65	17.00
		MID	QPSK	16.80	16.81	16.69	17.00
		HIGH	QPSK	16.43	16.76	16.80	17.00
	3	LOW	QPSK	16.45	16.62	16.67	17.00
		MID	QPSK	16.83	16.98	16.68	17.00
		HIGH	QPSK	16.47	16.88	16.61	17.00
	6	LOW	QPSK	15.73	15.56	15.74	16.00
1.4	1	LOW	Q16	15.50	15.40	15.48	16.00
		MID	Q16	15.68	15.36	15.41	16.00
		HIGH	Q16	15.47	15.43	15.49	16.00
	3	LOW	Q16	15.33	15.43	15.55	16.00
		MID	Q16	15.52	15.59	15.28	16.00
		HIGH	Q16	15.44	15.30	15.32	16.00
	6	LOW	Q16	14.67	14.70	14.68	15.00
1.4	1	LOW	64QAM	14.41	14.40	14.48	15.00
		MID	64QAM	14.80	14.31	14.56	15.00
		HIGH	64QAM	14.33	14.54	14.35	15.00
	3	LOW	64QAM	14.47	14.52	14.52	15.00
		MID	64QAM	14.46	14.56	14.19	15.00
		HIGH	64QAM	14.55	14.17	14.39	15.00
	6	LOW	64QAM	13.80	13.71	13.83	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	16.49	16.64	16.59	17.00
		MID	QPSK	16.81	16.81	16.60	17.00
		HIGH	QPSK	16.39	16.76	16.66	17.00
	8	LOW	QPSK	15.65	15.87	15.52	16.00
		MID	QPSK	15.75	15.62	15.66	16.00
		HIGH	QPSK	15.82	15.70	15.50	16.00
	15	LOW	QPSK	15.65	15.56	15.65	16.00
3	1	LOW	Q16	15.31	15.31	15.54	16.00
		MID	Q16	15.75	15.51	15.45	16.00
		HIGH	Q16	15.65	15.30	15.46	16.00
	8	LOW	Q16	14.55	14.79	14.50	15.00
		MID	Q16	14.67	14.87	14.58	15.00
		HIGH	Q16	14.80	14.51	14.75	15.00
	15	LOW	Q16	14.61	14.49	14.58	15.00
3	1	LOW	64QAM	14.38	14.56	14.54	15.00
		MID	64QAM	14.52	14.57	14.47	15.00
		HIGH	64QAM	14.49	14.18	14.52	15.00
	8	LOW	64QAM	13.75	13.78	13.72	14.00
		MID	64QAM	13.74	13.77	13.63	14.00
		HIGH	64QAM	13.68	13.71	13.64	14.00
	15	LOW	64QAM	13.26	13.70	13.42	14.00

LTE B5 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	16.45	16.45	16.44	17.00
		MID	QPSK	16.78	16.98	16.79	17.00
		HIGH	QPSK	16.61	16.86	16.76	17.00
	12	LOW	QPSK	15.54	15.80	15.58	16.00
		MID	QPSK	15.65	15.71	15.68	16.00
		HIGH	QPSK	15.80	15.47	15.72	16.00
	25	LOW	QPSK	15.71	15.77	15.54	16.00
5	1	LOW	Q16	15.38	15.56	15.60	16.00
		MID	Q16	15.66	15.55	15.25	16.00
		HIGH	Q16	15.46	15.43	15.51	16.00
	12	LOW	Q16	14.47	14.87	14.55	15.00
		MID	Q16	14.68	14.63	14.67	15.00
		HIGH	Q16	14.73	14.52	14.65	15.00
	25	LOW	Q16	14.49	14.60	14.60	15.00
5	1	LOW	64QAM	14.33	14.43	14.56	15.00
		MID	64QAM	14.50	14.55	14.38	15.00
		HIGH	64QAM	14.49	14.37	14.66	15.00
	12	LOW	64QAM	13.63	13.74	13.50	14.00
		MID	64QAM	13.81	13.56	13.41	14.00
		HIGH	64QAM	13.70	13.67	13.77	14.00
	25	LOW	64QAM	13.26	13.71	13.61	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	16.56	16.51	16.59	17.00
		MID	QPSK	16.68	16.90	16.71	17.00
		HIGH	QPSK	16.54	16.83	16.66	17.00
	25	LOW	QPSK	15.51	15.76	15.51	16.00
		MID	QPSK	15.71	15.65	15.56	16.00
		HIGH	QPSK	15.75	15.62	15.65	16.00
	50	LOW	QPSK	15.58	15.67	15.59	16.00
10	1	LOW	Q16	15.40	15.46	15.47	16.00
		MID	Q16	15.62	15.51	15.32	16.00
		HIGH	Q16	15.55	15.40	15.43	16.00
	25	LOW	Q16	14.59	14.82	14.62	15.00
		MID	Q16	14.70	14.74	14.69	15.00
		HIGH	Q16	14.72	14.60	14.76	15.00
	50	LOW	Q16	14.56	14.63	14.57	15.00
10	1	LOW	64QAM	14.40	14.45	14.48	15.00
		MID	64QAM	14.58	14.51	14.38	15.00
		HIGH	64QAM	14.60	14.30	14.52	15.00
	25	LOW	64QAM	13.66	13.67	13.59	14.00
		MID	64QAM	13.80	13.65	13.54	14.00
		HIGH	64QAM	13.71	13.69	13.65	14.00
	50	LOW	64QAM	13.41	13.74	13.54	14.00

8.2.4 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	17.89	17.93	18.10	19.00
		MID	QPSK	18.31	18.29	18.34	19.00
		HIGH	QPSK	18.37	18.05	18.08	19.00
	3	LOW	QPSK	18.12	18.00	17.93	19.00
		MID	QPSK	18.24	18.32	18.28	19.00
		HIGH	QPSK	18.18	18.05	18.11	19.00
1.4	1	LOW	Q16	16.93	16.90	16.66	18.00
		MID	Q16	17.14	17.80	16.87	18.00
		HIGH	Q16	17.21	16.85	16.92	18.00
	3	LOW	Q16	16.90	16.82	16.81	18.00
		MID	Q16	17.05	17.77	16.88	18.00
		HIGH	Q16	17.35	16.83	16.75	18.00
1.4	1	LOW	Q16	15.90	16.25	16.23	17.00
	3	LOW	64QAM	15.83	15.95	15.62	17.00
		MID	64QAM	16.14	16.87	15.88	17.00
		HIGH	64QAM	16.33	15.87	15.99	17.00
	3	LOW	64QAM	15.81	15.84	15.72	17.00
		MID	64QAM	16.02	16.65	16.03	17.00
1.4	1	LOW	64QAM	16.39	15.82	15.65	17.00
		MID	64QAM	16.39	15.82	15.65	17.00
		HIGH	64QAM	16.39	15.82	15.65	17.00
	3	LOW	64QAM	14.81	15.40	15.12	16.00
		MID	64QAM	14.81	15.40	15.12	16.00
		HIGH	64QAM	14.81	15.40	15.12	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	17.91	17.92	18.10	19.00
		MID	QPSK	18.48	18.27	18.35	19.00
		HIGH	QPSK	18.19	17.91	18.18	19.00
	8	LOW	QPSK	17.06	17.23	17.36	18.00
		MID	QPSK	17.18	17.29	17.14	18.00
		HIGH	QPSK	17.15	17.17	17.15	18.00
3	1	LOW	QPSK	17.17	17.03	17.21	18.00
		MID	QPSK	17.17	17.03	17.21	18.00
		HIGH	QPSK	17.17	17.03	17.21	18.00
	8	LOW	Q16	16.90	16.65	16.61	18.00
		MID	Q16	17.16	17.78	16.81	18.00
		HIGH	Q16	17.18	16.71	16.92	18.00
3	1	LOW	Q16	15.90	16.16	16.09	17.00
		MID	Q16	16.20	16.22	16.25	17.00
		HIGH	Q16	16.18	16.05	16.06	17.00
	8	LOW	Q16	16.17	15.98	16.13	17.00
		MID	Q16	16.17	15.98	16.13	17.00
		HIGH	Q16	16.17	15.98	16.13	17.00
3	1	LOW	64QAM	15.88	15.54	15.69	17.00
		MID	64QAM	15.82	16.74	15.67	17.00
		HIGH	64QAM	16.26	15.77	15.78	17.00
	8	LOW	64QAM	15.09	15.17	15.21	16.00
		MID	64QAM	15.38	15.32	14.95	16.00
		HIGH	64QAM	15.41	14.90	15.31	16.00
3	1	LOW	64QAM	15.06	15.01	15.14	16.00
		MID	64QAM	15.06	15.01	15.14	16.00
		HIGH	64QAM	15.06	15.01	15.14	16.00
	8	LOW	64QAM	15.06	15.01	15.14	16.00
		MID	64QAM	15.06	15.01	15.14	16.00
		HIGH	64QAM	15.06	15.01	15.14	16.00

LTE B12 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	17.94	17.97	17.88	19.00
		MID	QPSK	18.25	18.48	18.31	19.00
		HIGH	QPSK	18.18	17.88	18.19	19.00
	12	LOW	QPSK	16.89	17.09	17.36	18.00
		MID	QPSK	17.10	17.23	17.15	18.00
		HIGH	QPSK	17.04	17.13	17.24	18.00
5	1	LOW	QPSK	17.00	17.00	17.05	18.00
	12	LOW	Q16	16.86	16.89	16.72	18.00
		MID	Q16	17.12	17.55	16.82	18.00
		HIGH	Q16	17.28	17.00	16.86	18.00
	25	LOW	Q16	16.04	15.90	16.20	17.00
		MID	Q16	16.12	16.23	16.10	17.00
5	1	LOW	Q16	16.28	16.17	16.09	17.00
	12	LOW	Q16	16.01	16.04	16.03	17.00
		MID	Q16	16.86	15.88	15.54	17.00
	25	MID	64QAM	16.03	16.86	15.62	17.00
		HIGH	64QAM	16.34	15.62	15.78	17.00
		LOW	64QAM	15.13	15.03	15.25	16.00
5	1	MID	64QAM	15.39	15.21	14.92	16.00
	12	HIGH	64QAM	15.52	14.92	15.16	16.00
		LOW	64QAM	14.80	15.02	15.24	16.00
	25	LOW	64QAM	14.80	15.02	15.24	16.00
		MID	64QAM	15.13	15.03	15.25	16.00
		HIGH	64QAM	15.39	15.21	14.92	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	17.97	17.99	17.99	19.00
		MID	QPSK	18.33	18.34	18.20	19.00
		HIGH	QPSK	18.26	17.94	18.23	19.00
	25	LOW	QPSK	16.97	17.13	17.22	18.00
		MID	QPSK	17.09	17.23	17.02	18.00
		HIGH	QPSK	17.14	17.19	17.15	18.00
10	1	LOW	QPSK	17.02	17.03	17.15	18.00
	25	LOW	Q16	16.97	16.80	16.76	18.00
		MID	Q16	17.04	17.66	16.86	18.00
		HIGH	Q16	17.21	16.86	16.77	18.00
	50	LOW	Q16	16.04	16.05	16.24	17.00
		MID	Q16	16.26	16.11	16.13	17.00
10	1	HIGH	Q16	16.30	16.09	16.15	17.00
	25	LOW	Q16	16.04	16.10	16.13	17.00
		MID	Q16	16.04	16.10	16.13	17.00
	50	LOW	64QAM	15.83	15.68	15.64	17.00
		MID	64QAM	15.96	16.81	15.71	17.00
		HIGH	64QAM	16.21	15.73	15.85	17.00
10	1	LOW	64QAM	15.15	15.07	15.18	16.00
	25	MID	64QAM	15.39	15.18	15.02	16.00
		HIGH	64QAM	15.45	14.94	15.23	16.00
	50	LOW	64QAM	14.94	15.01	15.16	16.00
		MID	64QAM	15.15	15.07	15.18	16.00
		HIGH	64QAM	15.39	15.18	15.02	16.00

8.2.5 LTE Band13 Output Power

LTE B13 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)
5	1	LOW	QPSK	14.53	14.53	14.43	15.00
		MID	QPSK	14.34	14.45	14.40	15.00
		HIGH	QPSK	14.30	14.48	14.23	15.00
	12	LOW	QPSK	13.47	13.64	13.48	14.00
		MID	QPSK	13.11	13.09	13.11	14.00
		HIGH	QPSK	13.34	13.33	13.36	14.00
	25	LOW	QPSK	13.34	13.59	13.39	14.00
5	1	LOW	Q16	13.89	13.75	13.74	14.00
		MID	Q16	13.79	13.75	13.84	14.00
		HIGH	Q16	13.85	13.68	13.72	14.00
	12	LOW	Q16	12.53	12.54	12.60	13.00
		MID	Q16	12.23	12.21	12.21	13.00
		HIGH	Q16	12.59	12.46	12.40	13.00
	25	LOW	Q16	12.46	12.67	12.51	13.00
5	1	LOW	64QAM	12.72	12.64	12.84	13.00
		MID	64QAM	12.71	12.67	12.58	13.00
		HIGH	64QAM	12.57	12.53	12.64	13.00
	12	LOW	64QAM	11.57	11.61	11.59	12.00
		MID	64QAM	11.15	11.24	11.28	12.00
		HIGH	64QAM	11.59	11.52	11.61	12.00
	25	LOW	64QAM	11.39	11.64	11.52	12.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23230	/	Tune-up power(dBm)
10	1	LOW	QPSK	/	14.41	/	15.00
		MID	QPSK	/	14.34	/	15.00
		HIGH	QPSK	/	14.33	/	15.00
	25	LOW	QPSK	/	13.50	/	14.00
		MID	QPSK	/	13.21	/	14.00
		HIGH	QPSK	/	13.42	/	14.00
	50	LOW	QPSK	/	13.49	/	14.00
10	1	LOW	Q16	/	13.83	/	14.00
		MID	Q16	/	13.76	/	14.00
		HIGH	Q16	/	13.75	/	14.00
	25	LOW	Q16	/	12.61	/	13.00
		MID	Q16	/	12.30	/	13.00
		HIGH	Q16	/	12.51	/	13.00
	50	LOW	Q16	/	12.57	/	13.00
10	1	LOW	64QAM	/	12.70	/	13.00
		MID	64QAM	/	12.72	/	13.00
		HIGH	64QAM	/	12.62	/	13.00
	25	LOW	64QAM	/	11.63	/	12.00
		MID	64QAM	/	11.30	/	12.00
		HIGH	64QAM	/	11.64	/	12.00
	50	LOW	64QAM	/	11.53	/	12.00

8.2.6 LTE Band14 Output Power

LTE B14-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23305	23300	23355	Tune-up power(dBm)
5	1	LOW	QPSK	16.63	16.67	16.74	17.00
		MID	QPSK	16.82	16.86	16.71	17.00
		HIGH	QPSK	16.70	16.49	16.58	17.00
	12	LOW	QPSK	15.71	15.65	15.67	16.00
		MID	QPSK	15.53	15.57	15.77	16.00
		HIGH	QPSK	15.41	15.56	15.50	16.00
	25	LOW	QPSK	15.64	15.41	15.60	16.00
5	1	LOW	Q16	15.44	15.44	15.63	16.00
		MID	Q16	15.82	15.85	15.97	16.00
		HIGH	Q16	15.46	15.57	15.37	16.00
	12	LOW	Q16	14.45	14.54	14.61	15.00
		MID	Q16	14.69	14.55	14.81	15.00
		HIGH	Q16	14.70	14.81	14.55	15.00
	25	LOW	Q16	14.77	14.73	14.56	15.00
5	1	LOW	64QAM	14.49	14.49	14.29	15.00
		MID	64QAM	14.57	14.61	14.52	15.00
		HIGH	64QAM	14.71	14.57	14.49	15.00
	12	LOW	64QAM	13.50	13.57	13.44	14.00
		MID	64QAM	13.61	13.77	13.85	14.00
		HIGH	64QAM	13.65	13.70	13.60	14.00
	25	LOW	64QAM	13.76	13.76	13.54	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23300	/	Tune-up power(dBm)
10	1	LOW	QPSK	/	16.77	/	17.00
		MID	QPSK	/	16.71	/	17.00
		HIGH	QPSK	/	16.64	/	17.00
	25	LOW	QPSK	/	15.56	/	16.00
		MID	QPSK	/	15.63	/	16.00
		HIGH	QPSK	/	15.53	/	16.00
	50	LOW	QPSK	/	15.50	/	16.00
10	1	LOW	Q16	/	15.56	/	16.00
		MID	Q16	/	15.97	/	16.00
		HIGH	Q16	/	15.52	/	16.00
	25	LOW	Q16	/	14.54	/	15.00
		MID	Q16	/	14.70	/	15.00
		HIGH	Q16	/	14.68	/	15.00
	50	LOW	Q16	/	14.64	/	15.00
10	1	LOW	64QAM	/	14.62	/	15.00
		MID	64QAM	/	14.82	/	15.00
		HIGH	64QAM	/	14.54	/	15.00
	25	LOW	64QAM	/	13.48	/	14.00
		MID	64QAM	/	13.58	/	14.00
		HIGH	64QAM	/	13.70	/	14.00
	50	LOW	64QAM	/	13.65	/	14.00

8.2.7 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	15.27	15.67	15.33	16.50
		MID	QPSK	15.46	15.86	15.46	16.50
		HIGH	QPSK	15.32	15.58	15.59	16.50
	3	LOW	QPSK	15.48	15.74	15.55	16.50
		MID	QPSK	15.42	15.98	15.50	16.50
		HIGH	QPSK	15.53	15.77	15.33	16.50
	6	LOW	QPSK	14.28	15.00	15.26	15.50
	1.4	LOW	Q16	14.92	15.30	15.01	15.50
		MID	Q16	14.83	14.63	14.66	15.50
		HIGH	Q16	14.73	15.11	14.47	15.50
		LOW	Q16	14.87	15.31	14.97	15.50
		MID	Q16	14.94	14.59	14.55	15.50
		HIGH	Q16	14.66	14.62	14.68	15.50
1.4	1	LOW	Q16	13.35	14.11	14.39	14.50
		MID	Q16	13.95	14.21	13.97	14.50
		HIGH	Q16	13.94	14.46	14.33	14.50
	3	LOW	64QAM	13.83	14.05	14.46	14.50
		MID	64QAM	13.72	14.44	13.97	14.50
		HIGH	64QAM	14.00	14.26	14.25	14.50
	6	LOW	64QAM	13.70	14.38	14.36	14.50
		MID	64QAM	12.27	13.07	13.12	13.50
		HIGH	64QAM	12.27	13.07	13.12	13.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	15.36	15.69	15.42	16.50
		MID	QPSK	15.34	15.80	15.56	16.50
		HIGH	QPSK	15.60	15.50	15.52	16.50
	8	LOW	QPSK	14.65	15.06	15.05	15.50
		MID	QPSK	14.45	15.22	14.99	15.50
		HIGH	QPSK	14.49	15.43	14.89	15.50
	15	LOW	QPSK	14.50	14.93	15.07	15.50
	3	LOW	Q16	14.71	15.23	15.06	15.50
		MID	Q16	15.00	14.56	15.44	15.50
		HIGH	Q16	14.73	14.98	15.38	15.50
		LOW	Q16	13.47	14.18	14.01	14.50
		MID	Q16	13.53	14.36	14.48	14.50
		HIGH	Q16	13.23	13.92	14.44	14.50
3	1	LOW	Q16	13.16	14.07	14.16	14.50
		MID	Q16	13.74	14.12	14.25	14.50
		HIGH	Q16	13.92	14.38	14.45	14.50
	8	LOW	64QAM	13.82	13.94	14.25	14.50
		MID	64QAM	12.51	13.14	13.14	13.50
		HIGH	64QAM	12.34	13.33	13.20	13.50
	15	LOW	64QAM	12.15	12.88	13.45	13.50
		MID	64QAM	12.31	13.14	13.01	13.50
		HIGH	64QAM	12.31	13.14	13.01	13.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	15.52	15.58	15.44	16.50
		MID	QPSK	15.48	16.01	15.47	16.50
		HIGH	QPSK	15.54	15.70	15.47	16.50
	12	LOW	QPSK	14.56	14.79	14.99	15.50
		MID	QPSK	14.47	15.35	15.18	15.50
		HIGH	QPSK	14.30	15.25	14.66	15.50
	25	LOW	QPSK	14.29	14.79	15.05	15.50
	5	LOW	Q16	14.29	14.79	15.05	15.50
		MID	Q16	14.95	15.24	14.95	15.50
		HIGH	Q16	14.87	14.68	14.95	15.50
		LOW	Q16	14.71	14.96	14.88	15.50
		LOW	Q16	13.37	14.02	14.17	14.50
		MID	Q16	13.31	14.22	14.37	14.50
5	1	LOW	Q16	13.40	13.92	14.39	14.50
		MID	Q16	13.40	13.92	14.39	14.50
		HIGH	Q16	13.40	13.92	14.39	14.50
	12	LOW	64QAM	13.45	14.17	14.12	14.50
		MID	64QAM	13.86	14.04	14.23	14.50
		HIGH	64QAM	13.89	14.47	14.32	14.50
	25	LOW	64QAM	13.84	14.02	14.47	14.50
		MID	64QAM	12.32	13.20	13.23	13.50
		HIGH	64QAM	12.54	13.33	13.25	13.50
5	1	LOW	64QAM	12.09	13.06	13.12	13.50
		MID	64QAM	12.09	13.06	13.12	13.50
		HIGH	64QAM	12.09	13.06	13.12	13.50
	12	LOW	64QAM	12.48	13.15	13.11	13.50
		MID	64QAM	12.48	13.15	13.11	13.50
		HIGH	64QAM	12.48	13.15	13.11	13.50
	25	LOW	64QAM	12.48	13.15	13.11	13.50
		MID	64QAM	12.48	13.15	13.11	13.50
		HIGH	64QAM	12.48	13.15	13.11	13.50

LTE B66 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	15.42	15.78	15.29	16.50
		MID	QPSK	15.35	15.92	15.62	16.50
		HIGH	QPSK	15.30	15.58	15.55	16.50
	25	LOW	QPSK	14.61	14.90	15.00	15.50
		MID	QPSK	14.62	15.37	15.02	15.50
		HIGH	QPSK	14.40	15.35	14.68	15.50
	50	LOW	QPSK	14.43	14.91	15.09	15.50
10	1	LOW	Q16	14.92	15.22	15.15	15.50
		MID	Q16	15.02	15.45	14.32	15.50
		HIGH	Q16	14.81	15.17	15.13	15.50
	25	LOW	Q16	13.36	14.09	14.02	14.50
		MID	Q16	13.29	14.21	14.33	14.50
		HIGH	Q16	13.17	14.03	14.38	14.50
	50	LOW	Q16	13.36	14.20	14.31	14.50
10	1	LOW	64QAM	13.88	14.26	14.19	14.50
		MID	64QAM	13.93	13.62	13.52	14.50
		HIGH	64QAM	14.04	14.04	14.11	14.50
	25	LOW	64QAM	12.42	13.09	13.11	13.50
		MID	64QAM	12.49	13.10	13.50	13.50
		HIGH	64QAM	12.31	13.02	13.43	13.50
	50	LOW	64QAM	12.48	13.24	13.07	13.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	15.24	15.73	15.34	16.50
		MID	QPSK	15.46	16.02	15.73	16.50
		HIGH	QPSK	15.44	15.57	15.47	16.50
	36	LOW	QPSK	14.45	14.83	15.11	15.50
		MID	QPSK	14.43	15.24	14.98	15.50
		HIGH	QPSK	14.48	15.26	14.71	15.50
	75	LOW	QPSK	14.29	14.98	15.27	15.50
15	1	LOW	Q16	14.89	15.24	15.09	15.50
		MID	Q16	14.91	14.88	15.49	15.50
		HIGH	Q16	14.71	15.01	14.55	15.50
	36	LOW	Q16	13.21	14.03	14.20	14.50
		MID	Q16	13.57	14.25	14.40	14.50
		HIGH	Q16	13.33	13.91	14.40	14.50
	75	LOW	Q16	13.29	14.24	14.09	14.50
15	1	LOW	64QAM	13.90	14.16	14.11	14.50
		MID	64QAM	13.84	14.44	14.32	14.50
		HIGH	64QAM	13.82	14.10	14.47	14.50
	36	LOW	64QAM	12.50	13.08	13.16	13.50
		MID	64QAM	12.52	13.08	13.47	13.50
		HIGH	64QAM	12.11	12.92	13.47	13.50
	75	LOW	64QAM	12.22	13.26	13.17	13.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	15.38	15.66	15.43	16.50
		MID	QPSK	15.45	15.88	15.61	16.50
		HIGH	QPSK	15.45	15.65	15.48	16.50
	50	LOW	QPSK	14.50	14.94	15.02	15.50
		MID	QPSK	14.55	15.29	15.08	15.50
		HIGH	QPSK	14.41	15.31	14.81	15.50
	100	LOW	QPSK	14.41	14.94	15.12	15.50
20	1	LOW	Q16	14.82	15.19	15.05	15.50
		MID	Q16	14.88	14.55	14.62	15.50
		HIGH	Q16	14.80	15.10	15.03	15.50
	50	LOW	Q16	13.35	14.14	14.15	14.50
		MID	Q16	13.42	14.26	14.40	14.50
		HIGH	Q16	13.29	13.97	14.40	14.50
	100	LOW	Q16	13.30	14.10	14.24	14.50
20	1	LOW	64QAM	13.84	14.19	14.20	14.50
		MID	64QAM	13.90	14.45	14.33	14.50
		HIGH	64QAM	13.91	14.05	14.03	14.50
	50	LOW	64QAM	12.44	13.05	13.26	13.50
		MID	64QAM	12.41	13.18	13.35	13.50
		HIGH	64QAM	12.18	12.98	12.66	13.50
	100	LOW	64QAM	12.36	13.25	13.09	13.50

8.2.8 LTE Band71 Output Power

LTE B71-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	133147	133297	133447	Tune-up power(dBm)
5	1	LOW	QPSK	17.76	17.52	17.77	18.50
		MID	QPSK	17.87	17.96	18.29	18.50
		HIGH	QPSK	17.57	17.65	18.29	18.50
	12	LOW	QPSK	16.75	16.79	16.86	17.50
		MID	QPSK	16.75	17.04	16.85	17.50
		HIGH	QPSK	16.83	16.72	16.92	17.50
	25	LOW	QPSK	16.80	16.75	16.73	17.50
5	1	LOW	Q16	16.00	16.90	17.16	17.50
		MID	Q16	16.66	17.37	17.11	17.50
		HIGH	Q16	16.56	16.88	17.17	17.50
	12	LOW	Q16	15.84	15.90	15.72	16.50
		MID	Q16	15.80	15.94	15.71	16.50
		HIGH	Q16	15.79	15.81	15.92	16.50
	25	LOW	Q16	15.86	15.84	15.70	16.50
5	1	LOW	64QAM	15.09	15.63	16.33	16.50
		MID	64QAM	15.60	16.41	16.47	16.50
		HIGH	64QAM	15.59	15.91	16.19	16.50
	12	LOW	64QAM	14.63	14.82	14.69	15.50
		MID	64QAM	14.89	14.66	15.01	15.50
		HIGH	64QAM	14.67	14.61	15.15	15.50
	25	LOW	64QAM	14.84	14.90	14.83	15.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	133172	133297	133422	Tune-up power(dBm)
10	1	LOW	QPSK	17.58	17.76	17.85	18.50
		MID	QPSK	17.97	17.88	18.22	18.50
		HIGH	QPSK	17.74	17.49	18.25	18.50
	25	LOW	QPSK	16.76	16.83	16.59	17.50
		MID	QPSK	16.99	17.05	16.73	17.50
		HIGH	QPSK	16.85	16.76	16.80	17.50
	50	LOW	QPSK	16.76	16.85	16.72	17.50
10	1	LOW	Q16	16.10	16.95	17.19	17.50
		MID	Q16	16.75	17.43	17.17	17.50
		HIGH	Q16	16.43	16.98	17.18	17.50
	25	LOW	Q16	15.65	15.73	15.75	16.50
		MID	Q16	15.77	15.85	15.79	16.50
		HIGH	Q16	15.89	15.68	15.94	16.50
	50	LOW	Q16	15.94	15.80	15.68	16.50
10	1	LOW	64QAM	15.09	15.60	16.23	16.50
		MID	64QAM	15.72	16.28	16.34	16.50
		HIGH	64QAM	15.37	15.73	16.21	16.50
	25	LOW	64QAM	14.63	14.95	14.73	15.50
		MID	64QAM	14.94	14.59	14.97	15.50
		HIGH	64QAM	14.55	14.76	14.95	15.50
	50	LOW	64QAM	14.73	14.72	14.80	15.50

LTE B71-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	133197	133297	133397	Tune-up power(dBm)
15	1	LOW	QPSK	17.54	17.65	17.86	18.50
		MID	QPSK	18.08	17.83	18.28	18.50
		HIGH	QPSK	17.66	17.53	18.22	18.50
	36	LOW	QPSK	16.73	16.87	16.84	17.50
		MID	QPSK	16.76	16.81	16.84	17.50
		HIGH	QPSK	16.86	16.66	16.78	17.50
	75	LOW	QPSK	16.98	16.86	16.70	17.50
15	1	LOW	Q16	16.08	16.74	17.18	17.50
		MID	Q16	16.82	17.28	17.33	17.50
		HIGH	Q16	16.68	16.92	17.01	17.50
	36	LOW	Q16	15.76	15.67	15.74	16.50
		MID	Q16	15.78	15.67	15.87	16.50
		HIGH	Q16	15.79	15.67	15.91	16.50
	75	LOW	Q16	15.77	15.94	15.66	16.50
15	1	LOW	64QAM	15.04	15.79	16.29	16.50
		MID	64QAM	15.76	16.17	16.42	16.50
		HIGH	64QAM	15.49	15.97	16.03	16.50
	36	LOW	64QAM	14.80	14.92	14.76	15.50
		MID	64QAM	14.92	14.68	14.92	15.50
		HIGH	64QAM	14.61	14.73	15.05	15.50
	75	LOW	64QAM	14.79	14.74	14.61	15.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	133222	133297	133372	Tune-up power(dBm)
20	1	LOW	QPSK	17.64	17.63	17.88	18.50
		MID	QPSK	17.96	17.91	18.32	18.50
		HIGH	QPSK	17.68	17.63	18.29	18.50
	50	LOW	QPSK	16.77	16.79	16.71	17.50
		MID	QPSK	16.84	16.90	16.74	17.50
		HIGH	QPSK	16.83	16.71	16.83	17.50
	100	LOW	QPSK	16.86	16.81	16.73	17.50
20	1	LOW	Q16	16.11	16.88	17.21	17.50
		MID	Q16	16.68	17.35	17.19	17.50
		HIGH	Q16	16.54	16.98	17.14	17.50
	50	LOW	Q16	15.80	15.76	15.71	16.50
		MID	Q16	15.88	15.80	15.84	16.50
		HIGH	Q16	15.77	15.77	15.90	16.50
	100	LOW	Q16	15.80	15.85	15.72	16.50
20	1	LOW	64QAM	15.08	15.75	16.21	16.50
		MID	64QAM	15.73	16.27	16.33	16.50
		HIGH	64QAM	15.50	15.86	16.13	16.50
	50	LOW	64QAM	14.74	14.85	14.64	15.50
		MID	64QAM	14.89	14.69	14.93	15.50
		HIGH	64QAM	14.65	14.71	15.03	15.50
	100	LOW	64QAM	14.77	14.85	14.76	15.50

8.3 WIFI 2.4G Output Power

WIFI2.4G-ANT1						
2.4G	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
	11b	1	2412	11.79	12.50	Yes
		6	2437	12.07	12.50	Yes
		11	2462	12.08	12.50	Yes
	11g	1	2412	11.70	12.50	No
		6	2437	12.01	12.50	No
		11	2462	12.08	12.50	No
	11n-HT20	1	2412	11.74	12.50	No
		6	2437	12.06	12.50	No
		11	2462	12.09	12.50	No
	11n-HT40	3	2422	11.82	12.50	No
		6	2437	11.90	12.50	No
		9	2452	11.88	12.50	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 = $0.611 * (17.78\text{mW}/17.78\text{mW}) = 0.611$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4 Bluetooth

8.4.1 Bluetooth Output Power

Bluetooth-Ant.1						
Test Mode	Modulation	Channel number	Frequency(MHz)	AV power (dBm)	Tune up (dBm))	SAR Test
BT	DH5	0	2402	7.31	8.00	Yes
		39	2441	7.23	8.00	Yes
		78	2480	6.93	8.00	Yes
	2DH5	0	2402	6.06	7.00	No
		39	2441	5.95	7.00	No
		78	2480	5.85	7.00	No
	3DH5	0	2402	6.08	7.00	No
		39	2441	5.94	7.00	No
		78	2480	5.69	7.00	No
	BLE-1M	0	2402	7.20	7.50	No
		19	2440	7.27	7.50	No
		39	2480	7.15	7.50	No
Note: 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 ≤ ¼ dB higher than the primary mode.						

8.4.2 Bluetooth Duty Cycle

The Bluetooth duty cycle is 76.61% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

