

8 CONDUCTED RF OUPUT POWER

8.1	WCDMA Output Power
8.2	LTE Output Power
8.2.1	LTE Band5 Output Power
8.2.2	LTE Band7 Output Power

8.1 WCDMA Output Power

WCDMA-Full Power-Ant.0						
Band	Band 5					
Channel	4132	Tune-up Limit	4182	Tune-up Limit	4233	Tune-up Limit
Frequency	826.40	Power(dBm)	836.40	Power(dBm)	846.60	Power(dBm)
RMC 12.2Kbps	21.38	23.00	21.77	23.50	21.45	23.00
HSDPA Subtest-1	21.40	23.00	21.72	23.50	21.37	23.00
HSDPA Subtest-2	21.21	23.00	21.70	23.50	21.34	23.00
HSDPA Subtest-3	20.69	22.00	21.22	22.00	20.87	22.00
HSDPA Subtest-4	20.18	22.00	20.73	22.00	20.38	22.00
HSUPA Subtest-1	19.49	21.00	20.09	21.00	20.07	21.00
HSUPA Subtest-2	17.31	19.00	17.79	19.00	17.81	19.00
HSUPA Subtest-3	19.70	21.00	20.63	21.00	20.22	21.00
HSUPA Subtest-4	18.83	20.00	19.74	20.00	19.34	20.00
HSUPA Subtest-5	21.28	23.00	21.88	23.50	21.81	23.00

8.2.1 LTE Band5 Output Power

LTE B5-Full Power -Ant.0									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	Tune-up power(dBm)	20525	Tune-up power(dBm)	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.88	23.50	22.59	23.50	22.35	23.50
		MID	QPSK	21.65	23.50	22.32	23.50	21.99	23.50
		HIGH	QPSK	21.74	23.50	22.36	23.50	22.04	23.50
	3	LOW	QPSK	21.59	23.50	22.60	23.50	22.02	23.50
		MID	QPSK	21.57	23.50	22.52	23.50	21.90	23.50
		HIGH	QPSK	21.62	23.50	22.53	23.50	21.89	23.50
	6	LOW	QPSK	21.05	22.50	22.00	22.50	21.41	22.50
1.4	1	LOW	Q16	21.53	22.50	22.50	22.50	21.68	22.50
		MID	Q16	21.17	22.50	22.15	22.50	21.47	22.50
		HIGH	Q16	21.32	22.50	22.43	22.50	21.55	22.50
	3	LOW	Q16	21.20	22.50	22.09	22.50	21.60	22.50
		MID	Q16	21.19	22.50	22.21	22.50	21.60	22.50
		HIGH	Q16	21.23	22.50	22.24	22.50	21.48	22.50
6	LOW	Q16	20.85	22.00	21.68	22.00	21.12	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	Tune-up power(dBm)	20525	Tune-up power(dBm)	20635	Tune-up power(dBm)
3	1	LOW	QPSK	21.58	23.50	22.58	23.50	22.23	23.50
		MID	QPSK	21.14	23.00	21.80	23.50	21.39	23.00
		HIGH	QPSK	21.84	23.50	22.25	23.50	21.79	23.50
	8	LOW	QPSK	20.82	22.50	21.66	22.50	21.26	22.50
		MID	QPSK	20.87	22.50	21.52	22.50	21.08	22.50
		HIGH	QPSK	21.02	22.50	21.53	22.50	21.02	22.50
15	LOW	QPSK	20.85	22.50	21.52	22.50	21.07	22.50	
3	1	LOW	Q16	21.26	22.50	22.39	22.50	21.71	22.50
		MID	Q16	20.97	22.50	21.62	22.50	20.98	22.50
		HIGH	Q16	21.79	22.50	22.18	22.50	21.29	22.50
	8	LOW	Q16	20.55	21.50	21.30	21.50	20.87	21.50
		MID	Q16	20.61	21.50	21.28	21.50	20.76	21.50
		HIGH	Q16	20.77	21.50	21.30	21.50	20.66	21.50
	15	LOW	Q16	20.56	21.50	21.22	21.50	20.75	21.50

LTE B5-Full Power -Ant.0									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	Tune-up power(dBm)	20525	Tune-up power(dBm)	20625	Tune-up power(dBm)
5	1	LOW	QPSK	21.64	23.50	22.50	23.50	22.21	23.50
		MID	QPSK	21.53	23.50	21.86	23.50	21.65	23.50
		HIGH	QPSK	22.07	23.50	22.18	23.50	21.65	23.50
	12	LOW	QPSK	20.82	22.50	21.65	22.50	21.39	22.50
		MID	QPSK	20.93	22.50	21.40	22.50	21.16	22.50
		HIGH	QPSK	21.17	22.50	21.45	22.50	21.09	22.50
	25	LOW	QPSK	20.99	22.50	21.56	22.50	21.23	22.50
5	1	LOW	Q16	21.13	22.50	22.24	22.50	21.76	22.50
		MID	Q16	21.19	22.50	21.70	22.50	21.29	22.50
		HIGH	Q16	21.77	22.50	22.00	22.50	21.29	22.50
	12	LOW	Q16	20.52	21.50	21.39	21.50	21.06	21.50
		MID	Q16	20.64	21.50	21.16	21.50	20.84	21.50
		HIGH	Q16	20.90	21.50	21.20	21.50	20.78	21.50
	25	LOW	Q16	20.72	21.50	21.25	21.50	20.91	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	Tune-up power(dBm)	20525	Tune-up power(dBm)	20600	Tune-up power(dBm)
10	1	LOW	QPSK	21.93	23.50	22.55	23.50	22.76	23.50
		MID	QPSK	21.39	23.00	21.51	23.50	21.45	23.00
		HIGH	QPSK	22.71	23.50	22.49	23.50	22.01	23.50
	25	LOW	QPSK	20.97	22.50	21.43	22.50	21.34	22.50
		MID	QPSK	21.11	22.50	21.28	22.50	21.17	22.50
		HIGH	QPSK	21.37	22.50	21.35	22.50	21.14	22.50
50	LOW	QPSK	21.20	22.50	21.47	22.50	21.29	22.50	
10	1	LOW	Q16	21.72	22.50	22.31	22.50	22.32	22.50
		MID	Q16	21.20	22.50	21.26	22.50	21.14	22.50
		HIGH	Q16	22.63	23.00	22.38	23.00	21.74	23.00
	25	LOW	Q16	20.64	21.50	21.20	21.50	21.02	21.50
		MID	Q16	20.80	21.50	21.01	21.50	20.86	21.50
		HIGH	Q16	21.06	21.50	21.09	21.50	20.83	21.50
	50	LOW	Q16	20.86	21.50	21.17	21.50	20.97	21.50

8.2.2 LTE Band7 Output Power

LTE B7-Full Power --Ant.0									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	Tune-up power(dBm)	21100	Tune-up power(dBm)	21425	Tune-up power(dBm)
5	1	LOW	QPSK	21.71	23.00	22.37	23.00	22.04	23.00
		MID	QPSK	21.54	23.00	22.02	23.00	21.66	23.00
		HIGH	QPSK	21.97	23.00	22.36	23.00	22.00	23.00
	12	LOW	QPSK	21.04	22.00	21.63	22.00	21.13	22.00
		MID	QPSK	21.05	22.00	21.55	22.00	21.04	22.00
		HIGH	QPSK	21.22	22.00	21.65	22.00	21.15	22.00
	25	LOW	QPSK	21.10	22.00	21.62	22.00	21.12	22.00
5	1	LOW	Q16	21.42	22.50	22.12	22.50	21.46	22.50
		MID	Q16	21.32	22.50	21.84	22.50	21.19	22.50
		HIGH	Q16	21.79	22.50	22.13	22.50	21.58	22.50
	12	LOW	Q16	20.48	21.50	21.14	21.50	20.56	21.50
		MID	Q16	20.54	21.50	21.06	21.50	20.48	21.50
		HIGH	Q16	20.70	21.50	21.17	21.50	20.93	21.50
	25	LOW	Q16	20.58	21.50	21.15	21.50	20.84	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	Tune-up power(dBm)	21100	Tune-up power(dBm)	21400	Tune-up power(dBm)
10	1	LOW	QPSK	21.93	23.00	22.70	23.00	22.70	23.00
		MID	QPSK	21.19	23.00	21.81	23.00	21.50	23.00
		HIGH	QPSK	22.12	23.00	22.76	23.00	22.65	23.00
	25	LOW	QPSK	20.91	22.00	21.64	22.00	21.13	22.00
		MID	QPSK	20.90	22.00	21.58	22.00	21.02	22.00
		HIGH	QPSK	21.27	22.00	21.71	22.00	21.18	22.00
	50	LOW	QPSK	21.23	22.00	21.72	22.00	21.19	22.00
10	1	LOW	Q16	21.78	23.00	22.59	23.00	22.33	23.00
		MID	Q16	21.22	23.00	21.73	23.00	21.14	23.00
		HIGH	Q16	22.08	23.00	22.71	23.00	22.43	23.00
	25	LOW	Q16	20.64	21.50	21.15	21.50	20.65	21.50
		MID	Q16	20.64	21.50	21.09	21.50	20.55	21.50
		HIGH	Q16	20.78	21.50	21.22	21.50	20.71	21.50
	50	LOW	Q16	20.71	21.50	21.22	21.50	20.73	21.50

LTE B7-Full Power -Ant.0									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	Tune-up power(dBm)	21100	Tune-up power(dBm)	21375	Tune-up power(dBm)
15	1	LOW	QPSK	21.97	23.00	22.40	23.00	22.52	23.00
		MID	QPSK	21.28	23.00	21.73	23.00	21.51	23.00
		HIGH	QPSK	22.04	23.00	22.45	23.00	22.56	23.00
	36	LOW	QPSK	21.10	22.00	21.44	22.00	20.95	22.00
		MID	QPSK	21.00	22.00	21.65	22.00	21.08	22.00
		HIGH	QPSK	21.34	22.00	21.80	22.00	21.22	22.00
	75	LOW	QPSK	21.46	22.00	21.78	22.00	21.32	22.00
15	1	LOW	Q16	21.94	22.50	22.29	22.50	22.06	22.50
		MID	Q16	21.36	22.50	21.63	22.50	21.14	22.50
		HIGH	Q16	22.14	22.50	22.40	22.50	22.23	22.50
	36	LOW	Q16	20.73	21.50	21.16	21.50	20.46	21.50
		MID	Q16	20.65	21.50	21.11	21.50	20.56	21.50
		HIGH	Q16	20.79	21.50	21.28	21.50	20.72	21.50
	75	LOW	Q16	20.75	21.50	21.27	21.50	20.82	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	Tune-up power(dBm)	21100	Tune-up power(dBm)	21350	Tune-up power(dBm)
20	1	LOW	QPSK	21.75	23.00	22.03	23.00	21.67	23.00
		MID	QPSK	21.38	23.00	21.88	23.00	21.78	23.00
		HIGH	QPSK	21.85	23.00	22.15	23.00	22.42	23.00
	50	LOW	QPSK	21.15	22.00	21.41	22.00	20.73	22.00
		MID	QPSK	20.96	22.00	21.37	22.00	20.98	22.00
		HIGH	QPSK	21.12	22.00	21.52	22.00	21.03	22.00
	100	LOW	QPSK	21.17	22.00	21.51	22.00	21.28	22.00
20	1	LOW	Q16	21.56	22.50	21.87	22.50	21.49	22.50
		MID	Q16	21.27	22.50	21.76	22.50	21.26	22.50
		HIGH	Q16	21.80	22.50	22.13	22.50	22.09	22.50
	50	LOW	Q16	20.62	21.50	20.91	21.50	20.38	21.50
		MID	Q16	20.44	21.50	21.04	21.50	20.47	21.50
		HIGH	Q16	20.60	21.50	21.14	21.50	20.53	21.50
	100	LOW	Q16	20.65	21.50	21.12	21.50	20.80	21.50