

8 CONDUCTED RF OUPUT POWER

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8.1 WCDMA Output Power

WCDMA-ANT0 Full Power				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	24.38	24.78	24.46	25.00
HSDPA Subtest-1	24.14	24.26	24.07	24.50
HSDPA Subtest-2	23.90	23.89	23.90	24.50
HSDPA Subtest-3	22.98	22.87	23.07	23.50
HSDPA Subtest-4	22.93	22.84	22.80	23.50
HSUPA Subtest-1	23.24	23.32	23.24	24.00
HSUPA Subtest-2	21.28	21.42	21.36	22.00
HSUPA Subtest-3	22.19	22.35	22.48	23.00
HSUPA Subtest-4	21.32	21.40	21.53	22.00
HSUPA Subtest-5	23.60	23.41	23.32	24.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	24.45	24.69	24.60	25.00
HSDPA Subtest-1	23.54	23.57	23.55	24.50
HSDPA Subtest-2	23.71	23.64	23.62	24.50
HSDPA Subtest-3	23.19	23.14	23.10	23.50
HSDPA Subtest-4	23.14	23.07	23.05	23.50
HSUPA Subtest-1	23.49	23.60	23.40	24.00
HSUPA Subtest-2	21.53	21.55	21.76	22.00
HSUPA Subtest-3	22.30	22.47	22.48	23.00
HSUPA Subtest-4	21.47	21.60	21.59	22.00
HSUPA Subtest-5	23.44	23.58	23.74	24.00

8.2 WCDMA Output Power

WCDMA-ANT1 Full Power				
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	24.61	24.66	24.65	25.00
HSDPA Subtest-1	23.63	23.70	23.71	24.50
HSDPA Subtest-2	23.55	23.74	23.73	24.50
HSDPA Subtest-3	23.02	23.18	23.24	23.50
HSDPA Subtest-4	23.29	23.13	23.19	23.50
HSUPA Subtest-1	23.64	23.71	23.57	24.00
HSUPA Subtest-2	21.64	21.66	21.50	22.00
HSUPA Subtest-3	22.92	22.72	22.90	23.00
HSUPA Subtest-4	21.67	21.65	21.79	22.00
HSUPA Subtest-5	23.53	23.69	23.51	24.00

8.2.1 LTE Band2 Output Power

LTE B2-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.45	22.87	22.81	24.00
		MID	QPSK	22.90	22.64	22.68	24.00
		HIGH	QPSK	22.62	22.77	23.07	24.00
	3	LOW	QPSK	22.68	22.70	22.82	24.00
		MID	QPSK	22.72	22.86	22.75	24.00
		HIGH	QPSK	22.74	22.83	23.03	24.00
	6	LOW	QPSK	21.74	21.72	22.01	23.00
		LOW	Q16	21.87	21.90	21.96	23.00
		MID	Q16	21.95	22.04	21.93	23.00
1.4	1	MID	Q16	21.97	21.82	21.96	23.00
		HIGH	Q16	21.97	21.82	21.96	23.00
		LOW	Q16	22.14	21.87	22.36	23.00
	3	MID	Q16	22.09	21.97	22.05	23.00
		HIGH	Q16	22.27	22.14	22.41	23.00
		LOW	Q16	20.96	20.78	20.97	22.00
	6	LOW	Q16	20.96	20.78	20.97	22.00
		LOW	Q16	20.96	20.78	20.97	22.00
		MID	Q16	20.96	20.78	20.97	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.69	22.73	22.93	24.00
		MID	QPSK	22.79	22.75	22.79	24.00
		HIGH	QPSK	22.69	22.82	23.05	24.00
	8	LOW	QPSK	21.76	21.65	21.85	23.00
		MID	QPSK	21.86	21.98	21.96	23.00
		HIGH	QPSK	21.87	21.93	22.01	23.00
	15	LOW	QPSK	21.99	21.79	21.95	23.00
		LOW	Q16	21.96	22.09	22.15	23.00
		MID	Q16	22.20	22.24	21.95	23.00
3	1	HIGH	Q16	22.22	22.18	22.47	23.00
		LOW	Q16	20.76	20.97	20.90	22.00
		MID	Q16	20.79	20.90	21.15	22.00
	8	HIGH	Q16	20.88	21.01	21.16	22.00
		LOW	Q16	20.74	20.84	21.00	22.00
		MID	Q16	20.74	20.84	21.00	22.00
	15	LOW	Q16	20.74	20.84	21.00	22.00
		LOW	Q16	20.74	20.84	21.00	22.00
		MID	Q16	20.74	20.84	21.00	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.50	22.84	23.01	24.00
		MID	QPSK	22.68	22.83	22.84	24.00
		HIGH	QPSK	22.74	22.81	23.07	24.00
	12	LOW	QPSK	21.92	21.77	21.84	23.00
		MID	QPSK	21.83	22.00	22.13	23.00
		HIGH	QPSK	21.89	21.96	22.02	23.00
	25	LOW	QPSK	21.83	21.80	22.05	23.00
		LOW	Q16	22.13	22.04	22.21	23.00
		MID	Q16	22.12	22.21	22.17	23.00
5	1	HIGH	Q16	22.17	22.28	22.23	23.00
		LOW	Q16	20.89	20.76	21.01	22.00
		MID	Q16	20.86	20.87	21.17	22.00
	12	HIGH	Q16	21.01	21.08	21.08	22.00
		LOW	Q16	20.87	20.85	21.04	22.00
		MID	Q16	20.87	20.85	21.04	22.00
	25	LOW	Q16	20.87	20.85	21.04	22.00
		LOW	Q16	20.87	20.85	21.04	22.00
		MID	Q16	20.87	20.85	21.04	22.00

LTE B2-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.60	22.99	22.87	24.00
		MID	QPSK	22.86	22.79	22.79	24.00
		HIGH	QPSK	22.71	22.90	23.01	24.00
	25	LOW	QPSK	21.72	21.75	21.91	23.00
		MID	QPSK	21.75	22.03	21.88	23.00
		HIGH	QPSK	21.71	21.97	22.17	23.00
	50	LOW	QPSK	21.79	21.82	22.02	23.00
		LOW	Q16	21.97	22.15	22.13	23.00
		MID	Q16	21.93	21.97	22.08	23.00
10	1	MID	Q16	22.24	22.10	22.33	23.00
		HIGH	Q16	20.93	20.91	20.99	22.00
		LOW	Q16	21.02	20.76	20.91	22.00
	25	MID	Q16	20.90	21.02	21.22	22.00
		HIGH	Q16	20.89	20.92	20.97	22.00
		LOW	Q16	20.89	20.92	20.97	22.00
	50	LOW	Q16	20.89	20.92	20.97	22.00
		LOW	Q16	20.89	20.92	20.97	22.00
		MID	Q16	20.89	20.92	20.97	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.62	22.70	22.79	24.00
		MID	QPSK	22.75	22.80	22.90	24.00
		HIGH	QPSK	22.64	22.82	22.88	24.00
	36	LOW	QPSK	21.67	21.74	21.92	23.00
		MID	QPSK	21.75	21.80	21.90	23.00
		HIGH	QPSK	21.85	21.93	22.23	23.00
	75	LOW	QPSK	21.83	21.99	21.98	23.00
		LOW	Q16	22.02	21.89	22.24	23.00
		MID	Q16	22.22	22.12	22.01	23.00
15	1	HIGH	Q16	22.24	22.27	22.51	23.00
		LOW	Q16	20.81	20.76	20.91	22.00
		MID	Q16	20.96	20.91	21.16	22.00
	36	HIGH	Q16	20.88	21.08	21.21	22.00
		LOW	Q16	20.85	20.84	20.85	22.00
		MID	Q16	20.85	20.84	20.85	22.00
	75	LOW	Q16	20.85	20.84	20.85	22.00
		LOW	Q16	20.85	20.84	20.85	22.00
		MID	Q16	20.85	20.84	20.85	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.58	22.84	22.90	24.00
		MID	QPSK	22.78	22.75	22.76	24.00
		HIGH	QPSK	22.72	22.90	22.98	24.00
	50	LOW	QPSK	21.79	21.80	21.94	23.00
		MID	QPSK	21.90	21.90	22.00	23.00
		HIGH	QPSK	21.80	21.93	22.08	23.00
	100	LOW	QPSK	21.84	21.85	21.94	23.00
		LOW	Q16	22.11	22.00	22.26	23.00
		MID	Q16	22.08	22.09	22.07	23.00
20	1	HIGH	Q16	22.23	22.19	22.37	23.00
		LOW	Q16	20.84	20.83	20.91	22.00
		MID	Q16	20.89	20.91	21.03	22.00
	50	HIGH	Q16	20.90	20.93	21.10	22.00
		LOW	Q16	20.88	20.87	20.99	22.00
		MID	Q16	20.88	20.87	20.99	22.00
	100	LOW	Q16	20.88	20.87	20.99	22.00
		LOW	Q16	20.88	20.87	20.99	22.00
		MID	Q16	20.88	20.87	20.99	22.00

8.2.1 LTE Band2 Output Power

LTE B2-ANT0 Power (UL-CA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.45	22.87	22.81	24.00
		MID	QPSK	22.90	22.64	22.68	24.00
		HIGH	QPSK	22.62	22.77	23.07	24.00
	3	LOW	QPSK	22.68	22.70	22.82	24.00
		MID	QPSK	22.72	22.86	22.75	24.00
		HIGH	QPSK	22.74	22.83	23.03	24.00
6	LOW	QPSK	21.74	21.72	22.01	23.00	
1.4	1	LOW	Q16	21.87	21.90	21.96	23.00
		MID	Q16	21.95	22.04	21.93	23.00
		HIGH	Q16	21.97	21.82	21.96	23.00
	3	LOW	Q16	22.14	21.87	22.36	23.00
		MID	Q16	22.09	21.97	22.05	23.00
		HIGH	Q16	22.27	22.14	22.41	23.00
6	LOW	Q16	20.96	20.78	20.97	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.69	22.73	22.93	24.00
		MID	QPSK	22.79	22.75	22.79	24.00
		HIGH	QPSK	22.69	22.82	23.05	24.00
	8	LOW	QPSK	21.76	21.65	21.85	23.00
		MID	QPSK	21.86	21.98	21.96	23.00
		HIGH	QPSK	21.87	21.93	22.01	23.00
15	LOW	QPSK	21.99	21.79	21.95	23.00	
3	1	LOW	Q16	21.96	22.09	22.15	23.00
		MID	Q16	22.20	22.24	21.95	23.00
		HIGH	Q16	22.22	22.18	22.47	23.00
	8	LOW	Q16	20.76	20.97	20.90	22.00
		MID	Q16	20.79	20.90	21.15	22.00
		HIGH	Q16	20.88	21.01	21.16	22.00
15	LOW	Q16	20.74	20.84	21.00	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.50	22.84	23.01	24.00
		MID	QPSK	22.68	22.83	22.84	24.00
		HIGH	QPSK	22.74	22.81	23.07	24.00
	12	LOW	QPSK	21.92	21.77	21.84	23.00
		MID	QPSK	21.83	22.00	22.13	23.00
		HIGH	QPSK	21.89	21.96	22.02	23.00
25	LOW	QPSK	21.83	21.80	22.05	23.00	
5	1	LOW	Q16	22.13	22.04	22.21	23.00
		MID	Q16	22.12	22.21	22.17	23.00
		HIGH	Q16	22.17	22.28	22.23	23.00
	12	LOW	Q16	20.89	20.76	21.01	22.00
		MID	Q16	20.86	20.87	21.17	22.00
		HIGH	Q16	21.01	21.08	21.08	22.00
25	LOW	Q16	20.87	20.85	21.04	22.00	

LTE B2-ANT0 Power (UL-CA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.60	22.99	22.87	24.00
		MID	QPSK	22.86	22.79	22.79	24.00
		HIGH	QPSK	22.71	22.90	23.01	24.00
	25	LOW	QPSK	21.72	21.75	21.91	23.00
		MID	QPSK	21.75	22.03	21.88	23.00
		HIGH	QPSK	21.71	21.97	22.17	23.00
	50	LOW	QPSK	21.79	21.82	22.02	23.00
		LOW	Q16	21.97	22.15	22.13	23.00
		MID	Q16	21.93	21.97	22.08	23.00
10	1	MID	Q16	22.24	22.10	22.33	23.00
		HIGH	Q16	20.93	20.91	20.99	22.00
		LOW	Q16	21.02	20.76	20.91	22.00
	25	MID	Q16	20.90	21.02	21.22	22.00
		HIGH	Q16	20.89	20.92	20.97	22.00
		LOW	Q16	20.89	20.92	20.97	22.00
	50	LOW	Q16	20.89	20.92	20.97	22.00
		LOW	Q16	20.89	20.92	20.97	22.00
		MID	Q16	20.89	20.92	20.97	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.62	22.70	22.79	24.00
		MID	QPSK	22.75	22.80	22.90	24.00
		HIGH	QPSK	22.64	22.82	22.88	24.00
	36	LOW	QPSK	21.67	21.74	21.92	23.00
		MID	QPSK	21.75	21.80	21.90	23.00
		HIGH	QPSK	21.85	21.93	22.23	23.00
	75	LOW	QPSK	21.83	21.99	21.98	23.00
		LOW	Q16	22.02	21.89	22.24	23.00
		MID	Q16	22.22	22.12	22.01	23.00
15	1	HIGH	Q16	22.24	22.27	22.51	23.00
		LOW	Q16	20.81	20.76	20.91	22.00
		MID	Q16	20.96	20.91	21.16	22.00
	36	HIGH	Q16	20.88	21.08	21.21	22.00
		LOW	Q16	20.85	20.84	20.85	22.00
		MID	Q16	20.85	20.84	20.85	22.00
	75	LOW	Q16	20.85	20.84	20.85	22.00
		LOW	Q16	20.85	20.84	20.85	22.00
		MID	Q16	20.85	20.84	20.85	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.58	22.84	22.90	24.00
		MID	QPSK	22.78	22.75	22.76	24.00
		HIGH	QPSK	22.72	22.90	22.98	24.00
	50	LOW	QPSK	21.79	21.80	21.94	23.00
		MID	QPSK	21.90	21.90	22.00	23.00
		HIGH	QPSK	21.80	21.93	22.08	23.00
	100	LOW	QPSK	21.84	21.85	21.94	23.00
		LOW	Q16	22.11	22.00	22.26	23.00
		MID	Q16	22.08	22.09	22.07	23.00
20	1	HIGH	Q16	22.23	22.19	22.37	23.00
		LOW	Q16	20.84	20.83	20.91	22.00
		MID	Q16	20.89	20.91	21.03	22.00
	50	HIGH	Q16	20.90	20.93	21.10	22.00
		LOW	Q16	20.88	20.87	20.99	22.00
		MID	Q16	20.88	20.87	20.99	22.00
	100	LOW	Q16	20.88	20.87	20.99	22.00
		LOW	Q16	20.88	20.87	20.99	22.00
		MID	Q16	20.88	20.87	20.99	22.00

8.2.1 LTE Band2 Output Power

LTE B2-ANT0 Power (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.45	22.87	22.81	24.00
		MID	QPSK	22.90	22.64	22.68	24.00
		HIGH	QPSK	22.62	22.77	23.07	24.00
	3	LOW	QPSK	22.68	22.70	22.82	24.00
		MID	QPSK	22.72	22.86	22.75	24.00
		HIGH	QPSK	22.74	22.83	23.03	24.00
	6	LOW	QPSK	21.74	21.72	22.01	23.00
		LOW	Q16	21.87	21.90	21.96	23.00
		MID	Q16	21.95	22.04	21.93	23.00
1.4	1	MID	Q16	21.97	21.82	21.96	23.00
		HIGH	Q16	21.97	21.82	21.96	23.00
		LOW	Q16	22.14	21.87	22.36	23.00
	3	MID	Q16	22.09	21.97	22.05	23.00
		HIGH	Q16	22.27	22.14	22.41	23.00
		LOW	Q16	20.96	20.78	20.97	22.00
	6	LOW	Q16	20.96	20.78	20.97	22.00
		LOW	Q16	20.96	20.78	20.97	22.00
		MID	Q16	20.96	20.78	20.97	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.69	22.73	22.93	24.00
		MID	QPSK	22.79	22.75	22.79	24.00
		HIGH	QPSK	22.69	22.82	23.05	24.00
	8	LOW	QPSK	21.76	21.65	21.85	23.00
		MID	QPSK	21.86	21.98	21.96	23.00
		HIGH	QPSK	21.87	21.93	22.01	23.00
	15	LOW	QPSK	21.99	21.79	21.95	23.00
		LOW	Q16	21.96	22.09	22.15	23.00
		MID	Q16	22.20	22.24	21.95	23.00
3	1	HIGH	Q16	22.22	22.18	22.47	23.00
		LOW	Q16	20.76	20.97	20.90	22.00
		MID	Q16	20.79	20.90	21.15	22.00
	8	HIGH	Q16	20.88	21.01	21.16	22.00
		LOW	Q16	20.74	20.84	21.00	22.00
		MID	Q16	20.74	20.84	21.00	22.00
	15	LOW	Q16	20.74	20.84	21.00	22.00
		LOW	Q16	20.74	20.84	21.00	22.00
		MID	Q16	20.74	20.84	21.00	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.50	22.84	23.01	24.00
		MID	QPSK	22.68	22.83	22.84	24.00
		HIGH	QPSK	22.74	22.81	23.07	24.00
	12	LOW	QPSK	21.92	21.77	21.84	23.00
		MID	QPSK	21.83	22.00	22.13	23.00
		HIGH	QPSK	21.89	21.96	22.02	23.00
	25	LOW	QPSK	21.83	21.80	22.05	23.00
		LOW	Q16	22.13	22.04	22.21	23.00
		MID	Q16	22.12	22.21	22.17	23.00
5	1	HIGH	Q16	22.17	22.28	22.23	23.00
		LOW	Q16	20.89	20.76	21.01	22.00
		MID	Q16	20.86	20.87	21.17	22.00
	12	HIGH	Q16	21.01	21.08	21.08	22.00
		LOW	Q16	20.87	20.85	21.04	22.00
		MID	Q16	20.87	20.85	21.04	22.00
	25	LOW	Q16	20.87	20.85	21.04	22.00
		LOW	Q16	20.87	20.85	21.04	22.00
		MID	Q16	20.87	20.85	21.04	22.00

LTE B2-ANT0 Power (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.60	22.99	22.87	24.00
		MID	QPSK	22.86	22.79	22.79	24.00
		HIGH	QPSK	22.71	22.90	23.01	24.00
	25	LOW	QPSK	21.72	21.75	21.91	23.00
		MID	QPSK	21.75	22.03	21.88	23.00
		HIGH	QPSK	21.71	21.97	22.17	23.00
	50	LOW	QPSK	21.79	21.82	22.02	23.00
		LOW	Q16	21.97	22.15	22.13	23.00
		MID	Q16	21.93	21.97	22.08	23.00
10	1	MID	Q16	22.24	22.10	22.33	23.00
		HIGH	Q16	20.93	20.91	20.99	22.00
		LOW	Q16	21.02	20.76	20.91	22.00
	25	MID	Q16	20.90	21.02	21.22	22.00
		HIGH	Q16	20.89	20.92	20.97	22.00
		LOW	Q16	20.89	20.92	20.97	22.00
	50	LOW	Q16	20.89	20.92	20.97	22.00
		LOW	Q16	20.89	20.92	20.97	22.00
		MID	Q16	20.89	20.92	20.97	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.62	22.70	22.79	24.00
		MID	QPSK	22.75	22.80	22.90	24.00
		HIGH	QPSK	22.64	22.82	22.88	24.00
	36	LOW	QPSK	21.67	21.74	21.92	23.00
		MID	QPSK	21.75	21.80	21.90	23.00
		HIGH	QPSK	21.85	21.93	22.23	23.00
	75	LOW	QPSK	21.83	21.99	21.98	23.00
		LOW	Q16	22.02	21.89	22.24	23.00
		MID	Q16	22.22	22.12	22.01	23.00
15	1	HIGH	Q16	22.24	22.27	22.51	23.00
		LOW	Q16	20.81	20.76	20.91	22.00
		MID	Q16	20.96	20.91	21.16	22.00
	36	HIGH	Q16	20.88	21.08	21.21	22.00
		LOW	Q16	20.85	20.84	20.85	22.00
		MID	Q16	20.85	20.84	20.85	22.00
	75	LOW	Q16	20.85	20.84	20.85	22.00
		LOW	Q16	20.85	20.84	20.85	22.00
		MID	Q16	20.85	20.84	20.85	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.58	22.84	22.90	24.00
		MID	QPSK	22.78	22.75	22.76	24.00
		HIGH	QPSK	22.72	22.90	22.98	24.00
	50	LOW	QPSK	21.79	21.80	21.94	23.00
		MID	QPSK	21.90	21.90	22.00	23.00
		HIGH	QPSK	21.80	21.93	22.08	23.00
	100	LOW	QPSK	21.84	21.85	21.94	23.00
		LOW	Q16	22.11	22.00	22.26	23.00
		MID	Q16	22.08	22.09	22.07	23.00
20	1	HIGH	Q16	22.23	22.19	22.37	23.00
		LOW	Q16	20.84	20.83	20.91	22.00
		MID	Q16	20.89	20.91	21.03	22.00
	50	HIGH	Q16	20.90	20.93	21.10	22.00
		LOW	Q16	20.88	20.87	20.99	22.00
		MID	Q16	20.88	20.87	20.99	22.00
	100	LOW	Q16	20.88	20.87	20.99	22.00
		LOW	Q16	20.88	20.87	20.99	22.00
		MID	Q16	20.88	20.87	20.99	22.00

8.2.1 LTE Band2 Output Power

LTE B2-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.85	20.99	20.93	22.00
		MID	QPSK	20.85	21.03	21.11	22.00
		HIGH	QPSK	20.89	21.05	21.07	22.00
	3	LOW	QPSK	21.06	21.10	21.04	22.00
		MID	QPSK	20.87	20.86	21.03	22.00
		HIGH	QPSK	20.92	21.09	21.08	22.00
	6	LOW	QPSK	21.01	20.93	21.10	22.00
	1.4	LOW	Q16	20.96	20.90	20.90	22.00
		MID	Q16	20.86	20.99	20.97	22.00
		HIGH	Q16	21.03	20.95	20.95	22.00
	3	LOW	Q16	20.85	20.85	21.09	22.00
		MID	Q16	20.99	21.11	20.93	22.00
		HIGH	Q16	20.85	20.90	21.01	22.00
	6	LOW	Q16	20.38	20.54	20.59	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	20.88	20.88	20.92	22.00
		MID	QPSK	21.07	21.03	21.00	22.00
		HIGH	QPSK	20.98	21.04	21.01	22.00
	8	LOW	QPSK	21.10	21.05	20.98	22.00
		MID	QPSK	20.93	20.87	21.04	22.00
		HIGH	QPSK	20.99	20.91	20.85	22.00
	15	LOW	QPSK	21.01	21.08	20.88	22.00
	3	LOW	Q16	20.85	21.05	20.99	22.00
		MID	Q16	21.10	21.00	20.94	22.00
		HIGH	Q16	20.88	21.05	20.98	22.00
	8	LOW	Q16	20.39	20.44	20.52	21.00
		MID	Q16	20.37	20.46	20.50	21.00
		HIGH	Q16	20.59	20.48	20.45	21.00
	15	LOW	Q16	20.42	20.41	20.50	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	20.91	21.11	21.07	22.00
		MID	QPSK	20.94	20.87	20.95	22.00
		HIGH	QPSK	20.87	21.01	21.02	22.00
	12	LOW	QPSK	20.90	20.90	20.85	22.00
		MID	QPSK	20.86	21.06	20.91	22.00
		HIGH	QPSK	20.94	20.85	20.99	22.00
	25	LOW	QPSK	20.93	20.87	20.86	22.00
	5	LOW	Q16	21.07	21.10	20.88	22.00
		MID	Q16	20.93	20.88	20.97	22.00
		HIGH	Q16	20.98	20.85	20.97	22.00
	12	LOW	Q16	20.56	20.61	20.57	21.00
		MID	Q16	20.59	20.40	20.36	21.00
		HIGH	Q16	20.36	20.59	20.56	21.00
	25	LOW	Q16	20.36	20.38	20.49	21.00

LTE B2-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	20.98	21.07	20.93	22.00
		MID	QPSK	20.93	20.95	20.91	22.00
		HIGH	QPSK	20.87	20.95	20.92	22.00
	25	LOW	QPSK	21.10	20.96	20.88	22.00
		MID	QPSK	21.11	21.09	20.90	22.00
		HIGH	QPSK	20.86	21.00	20.88	22.00
	50	LOW	QPSK	20.99	20.90	21.02	22.00
		LOW	Q16	21.09	20.95	20.91	22.00
		MID	Q16	21.01	20.95	20.85	22.00
10	1	MID	Q16	21.03	20.99	21.08	22.00
		HIGH	Q16	20.55	20.36	20.52	21.00
		LOW	Q16	20.56	20.44	20.42	21.00
	25	MID	Q16	20.53	20.35	20.44	21.00
		HIGH	Q16	20.37	20.61	20.56	21.00
		LOW	Q16				
	50	LOW	Q16				
		MID	Q16				
		HIGH	Q16				
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	21.10	21.10	21.08	22.00
		MID	QPSK	20.85	20.90	20.86	22.00
		HIGH	QPSK	20.87	21.06	21.06	22.00
	36	LOW	QPSK	21.11	20.85	20.97	22.00
		MID	QPSK	20.96	21.02	21.06	22.00
		HIGH	QPSK	21.02	21.06	20.94	22.00
	75	LOW	QPSK	20.98	21.00	21.04	22.00
		LOW	Q16	20.85	21.00	21.06	22.00
		MID	Q16	20.98	21.04	20.89	22.00
15	1	HIGH	Q16	20.99	20.91	21.00	22.00
		LOW	Q16	20.58	20.45	20.36	21.00
		MID	Q16	20.42	20.38	20.56	21.00
	36	HIGH	Q16	20.39	20.36	20.52	21.00
		LOW	Q16	20.60	20.42	20.35	21.00
		MID	Q16				
	75	LOW	Q16				
		MID	Q16				
		HIGH	Q16				
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	20.97	20.85	21.08	22.00
		MID	QPSK	20.87	20.87	20.90	22.00
		HIGH	QPSK	20.97	20.90	20.97	22.00
	50	LOW	QPSK	20.88	20.87	21.19	22.00
		MID	QPSK	21.09	21.11	21.06	22.00
		HIGH	QPSK	21.05	21.02	21.03	22.00
	100	LOW	QPSK	20.92	20.88	21.07	22.00
		LOW	Q16	21.06	21.03	21.06	22.00
		MID	Q16	21.01	21.03	20.97	22.00
20	1	HIGH	Q16	20.96	20.98	20.91	22.00
		LOW	Q16	20.54	20.53	20.46	21.00
		MID	Q16	20.61	20.40	20.52	21.00
	50	HIGH	Q16	20.35	20.45	20.36	21.00
		LOW	Q16	20.40	20.50	20.48	21.00
		MID	Q16				
	100	LOW	Q16				
		MID	Q16				
		HIGH	Q16				

8.2.2 LTE Band4 Output Power

LTE B4-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.11	21.00	20.90	22.00
		MID	QPSK	21.09	20.90	20.98	22.00
		HIGH	QPSK	20.99	20.98	20.97	22.00
	3	LOW	QPSK	20.85	20.88	21.02	22.00
		MID	QPSK	20.90	21.06	20.97	22.00
		HIGH	QPSK	21.07	20.98	20.93	22.00
	6	LOW	QPSK	21.01	20.92	21.09	22.00
		LOW	Q16	20.88	21.02	20.95	22.00
		MID	Q16	21.11	20.98	21.08	22.00
1.4	1	MID	Q16	20.99	21.01	20.98	22.00
		HIGH	Q16	20.99	21.01	20.98	22.00
		LOW	Q16	20.56	20.43	20.54	22.00
	3	MID	Q16	20.47	20.56	20.46	22.00
		HIGH	Q16	20.50	20.56	20.42	22.00
		LOW	Q16	20.40	20.45	20.46	21.00
	6	LOW	Q16	20.40	20.45	20.46	21.00
		LOW	Q16	20.40	20.45	20.46	21.00
		MID	Q16	20.40	20.45	20.46	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	20.92	20.90	21.00	22.00
		MID	QPSK	20.91	20.95	21.05	22.00
		HIGH	QPSK	20.92	20.92	20.90	22.00
	8	LOW	QPSK	20.85	20.85	21.01	22.00
		MID	QPSK	20.86	20.85	21.11	22.00
		HIGH	QPSK	20.91	20.91	21.02	22.00
	15	LOW	QPSK	21.08	20.93	20.87	22.00
		LOW	Q16	20.94	20.94	20.99	22.00
		MID	Q16	21.04	21.02	21.02	22.00
3	1	HIGH	Q16	20.92	20.97	20.90	22.00
		LOW	Q16	20.48	20.58	20.50	21.00
		MID	Q16	20.53	20.37	20.36	21.00
	8	HIGH	Q16	20.58	20.55	20.40	21.00
		LOW	Q16	20.58	20.35	20.46	21.00
		MID	Q16	20.58	20.35	20.46	21.00
	15	LOW	Q16	20.58	20.35	20.46	21.00
		LOW	Q16	20.58	20.35	20.46	21.00
		MID	Q16	20.58	20.35	20.46	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	21.03	21.00	21.00	22.00
		MID	QPSK	20.86	21.09	20.92	22.00
		HIGH	QPSK	21.01	21.06	20.99	22.00
	12	LOW	QPSK	20.92	20.86	20.94	22.00
		MID	QPSK	20.92	21.11	20.89	22.00
		HIGH	QPSK	20.91	21.09	20.86	22.00
	25	LOW	QPSK	21.05	20.85	21.03	22.00
		LOW	Q16	20.88	20.98	20.97	22.00
		MID	Q16	21.10	20.89	20.87	22.00
5	1	HIGH	Q16	21.05	20.98	20.85	22.00
		LOW	Q16	20.52	20.53	20.37	21.00
		MID	Q16	20.35	20.35	20.46	21.00
	12	HIGH	Q16	20.58	20.53	20.56	21.00
		LOW	Q16	20.48	20.55	20.49	21.00
		MID	Q16	20.48	20.55	20.49	21.00
	25	LOW	Q16	20.48	20.55	20.49	21.00
		LOW	Q16	20.48	20.55	20.49	21.00
		MID	Q16	20.48	20.55	20.49	21.00

LTE B4-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	20.90	21.05	20.87	22.00
		MID	QPSK	21.00	20.99	20.97	22.00
		HIGH	QPSK	20.87	20.96	20.86	22.00
	25	LOW	QPSK	21.01	20.92	21.09	22.00
		MID	QPSK	20.88	20.86	21.08	22.00
		HIGH	QPSK	21.06	20.87	21.05	22.00
	50	LOW	QPSK	20.98	21.09	20.97	22.00
		LOW	Q16	21.02	20.97	21.04	22.00
		MID	Q16	20.91	21.07	21.11	22.00
10	1	MID	Q16	21.04	20.88	21.09	22.00
		HIGH	Q16	21.04	20.88	21.09	22.00
		LOW	Q16	20.60	20.49	20.49	21.00
	25	MID	Q16	20.51	20.41	20.59	21.00
		HIGH	Q16	20.53	20.47	20.52	21.00
		LOW	Q16	20.40	20.52	20.46	21.00
	50	LOW	Q16	20.40	20.52	20.46	21.00
		LOW	Q16	20.40	20.52	20.46	21.00
		MID	Q16	20.40	20.52	20.46	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	20.88	20.86	20.88	22.00
		MID	QPSK	21.00	21.11	20.94	22.00
		HIGH	QPSK	21.05	20.92	20.89	22.00
	36	LOW	QPSK	21.08	20.96	21.02	22.00
		MID	QPSK	20.88	20.88	20.98	22.00
		HIGH	QPSK	21.08	21.08	21.00	22.00
	75	LOW	QPSK	21.00	20.92	20.95	22.00
		LOW	Q16	21.07	20.96	21.02	22.00
		MID	Q16	21.01	21.05	21.08	22.00
15	1	HIGH	Q16	21.00	20.89	20.96	22.00
		LOW	Q16	20.58	20.39	20.56	21.00
		MID	Q16	20.61	20.50	20.55	21.00
	36	HIGH	Q16	20.45	20.58	20.55	21.00
		LOW	Q16	20.61	20.46	20.41	21.00
		MID	Q16	20.61	20.46	20.41	21.00
	75	LOW	Q16	20.61	20.46	20.41	21.00
		LOW	Q16	20.61	20.46	20.41	21.00
		MID	Q16	20.61	20.46	20.41	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.11	21.05	20.97	22.00
		MID	QPSK	20.94	21.10	20.97	22.00
		HIGH	QPSK	21.10	21.01	20.93	22.00
	50	LOW	QPSK	21.12	21.06	21.02	22.00
		MID	QPSK	21.00	21.05	21.11	22.00
		HIGH	QPSK	20.96	20.87	20.99	22.00
	100	LOW	QPSK	20.89	20.89	20.98	22.00
		LOW	Q16	20.90	20.93	21.01	22.00
		MID	Q16	20.97	21.09	21.06	22.00
20	1	HIGH	Q16	20.96	20.92	20.94	22.00
		LOW	Q16	20.58	20.41	20.38	21.00
		MID	Q16	20.35	20.57	20.39	21.00
	50	HIGH	Q16	20.61	20.48	20.39	21.00
		LOW	Q16	20.41	20.59	20.39	21.00
		MID	Q16	20.41	20.59	20.39	21.00
	100	LOW	Q16	20.41	20.59	20.39	21.00
		LOW	Q16	20.41	20.59	20.39	21.00
		MID	Q16	20.41	20.59	20.39	21.00

8.2.2 LTE Band4 Output Power

LTE B4-ANT0 Power(UL-CA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.11	21.00	20.90	22.00
		MID	QPSK	21.09	20.90	20.98	22.00
		HIGH	QPSK	20.99	20.98	20.97	22.00
	3	LOW	QPSK	20.85	20.88	21.02	22.00
		MID	QPSK	20.90	21.06	20.97	22.00
		HIGH	QPSK	21.07	20.98	20.93	22.00
	6	LOW	QPSK	21.01	20.92	21.09	22.00
		LOW	Q16	20.88	21.02	20.95	22.00
		MID	Q16	21.11	20.98	21.08	22.00
1.4	1	MID	Q16	20.99	21.01	20.98	22.00
		HIGH	Q16	20.99	21.01	20.98	22.00
		LOW	Q16	20.56	20.43	20.54	22.00
	3	MID	Q16	20.47	20.56	20.46	22.00
		HIGH	Q16	20.50	20.56	20.42	22.00
		LOW	Q16	20.40	20.45	20.46	21.00
	6	LOW	Q16	20.40	20.45	20.46	21.00
		LOW	Q16	20.40	20.45	20.46	21.00
		MID	Q16	20.40	20.45	20.46	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	20.92	20.90	21.00	22.00
		MID	QPSK	20.91	20.95	21.05	22.00
		HIGH	QPSK	20.92	20.92	20.90	22.00
	8	LOW	QPSK	20.85	20.85	21.01	22.00
		MID	QPSK	20.86	20.85	21.11	22.00
		HIGH	QPSK	20.91	20.91	21.02	22.00
	15	LOW	QPSK	21.08	20.93	20.87	22.00
		LOW	Q16	20.94	20.94	20.99	22.00
		MID	Q16	21.04	21.02	21.02	22.00
3	1	HIGH	Q16	20.92	20.97	20.90	22.00
		LOW	Q16	20.48	20.58	20.50	21.00
		MID	Q16	20.53	20.37	20.36	21.00
	8	HIGH	Q16	20.58	20.55	20.40	21.00
		LOW	Q16	20.58	20.35	20.46	21.00
		MID	Q16	20.58	20.35	20.46	21.00
	15	LOW	Q16	20.58	20.35	20.46	21.00
		LOW	Q16	20.58	20.35	20.46	21.00
		MID	Q16	20.58	20.35	20.46	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	21.03	21.00	21.00	22.00
		MID	QPSK	20.86	21.09	20.92	22.00
		HIGH	QPSK	21.01	21.06	20.99	22.00
	12	LOW	QPSK	20.92	20.86	20.94	22.00
		MID	QPSK	20.92	21.11	20.89	22.00
		HIGH	QPSK	20.91	21.09	20.86	22.00
	25	LOW	QPSK	21.05	20.85	21.03	22.00
		LOW	Q16	20.88	20.98	20.97	22.00
		MID	Q16	21.10	20.89	20.87	22.00
5	1	HIGH	Q16	21.05	20.98	20.85	22.00
		LOW	Q16	20.52	20.53	20.37	21.00
		MID	Q16	20.35	20.35	20.46	21.00
	12	HIGH	Q16	20.58	20.53	20.56	21.00
		LOW	Q16	20.48	20.55	20.49	21.00
		MID	Q16	20.48	20.55	20.49	21.00
	25	LOW	Q16	20.48	20.55	20.49	21.00
		LOW	Q16	20.48	20.55	20.49	21.00
		MID	Q16	20.48	20.55	20.49	21.00

LTE B4-ANT0 Power(UL-CA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	20.90	21.05	20.87	22.00
		MID	QPSK	21.00	20.99	20.97	22.00
		HIGH	QPSK	20.87	20.96	20.86	22.00
	25	LOW	QPSK	21.01	20.92	21.09	22.00
		MID	QPSK	20.88	20.86	21.08	22.00
		HIGH	QPSK	21.06	20.87	21.05	22.00
	50	LOW	QPSK	20.98	21.09	20.97	22.00
		LOW	Q16	21.02	20.97	21.04	22.00
		MID	Q16	20.91	21.07	21.11	22.00
10	1	MID	Q16	21.04	20.88	21.09	22.00
		HIGH	Q16	21.04	20.88	21.09	22.00
		LOW	Q16	20.60	20.49	20.49	21.00
	25	MID	Q16	20.51	20.41	20.59	21.00
		HIGH	Q16	20.53	20.47	20.52	21.00
		LOW	Q16	20.40	20.52	20.46	21.00
	50	LOW	Q16	20.40	20.52	20.46	21.00
		LOW	Q16	20.40	20.52	20.46	21.00
		MID	Q16	20.40	20.52	20.46	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	20.88	20.86	20.88	22.00
		MID	QPSK	21.00	21.11	20.94	22.00
		HIGH	QPSK	21.05	20.92	20.89	22.00
	36	LOW	QPSK	21.08	20.96	21.02	22.00
		MID	QPSK	20.88	20.88	20.98	22.00
		HIGH	QPSK	21.08	21.08	21.00	22.00
	75	LOW	QPSK	21.00	20.92	20.95	22.00
		LOW	Q16	21.07	20.96	21.02	22.00
		MID	Q16	21.01	21.05	21.08	22.00
15	1	HIGH	Q16	21.00	20.89	20.96	22.00
		LOW	Q16	20.58	20.39	20.56	21.00
		MID	Q16	20.61	20.50	20.55	21.00
	36	HIGH	Q16	20.45	20.58	20.55	21.00
		LOW	Q16	20.61	20.46	20.41	21.00
		MID	Q16	20.61	20.46	20.41	21.00
	75	LOW	Q16	20.61	20.46	20.41	21.00
		LOW	Q16	20.61	20.46	20.41	21.00
		MID	Q16	20.61	20.46	20.41	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.11	21.05	20.97	22.00
		MID	QPSK	20.94	21.10	20.97	22.00
		HIGH	QPSK	21.10	21.01	20.93	22.00
	50	LOW	QPSK	21.12	21.06	21.02	22.00
		MID	QPSK	21.00	21.05	21.11	22.00
		HIGH	QPSK	20.96	20.87	20.99	22.00
	100	LOW	QPSK	20.89	20.89	20.98	22.00
		LOW	Q16	20.90	20.93	21.01	22.00
		MID	Q16	20.97	21.09	21.06	22.00
20	1	HIGH	Q16	20.96	20.92	20.94	22.00
		LOW	Q16	20.58	20.41	20.38	21.00
		MID	Q16	20.35	20.57	20.39	21.00
	50	HIGH	Q16	20.61	20.48	20.39	21.00
		LOW	Q16	20.41	20.59	20.39	21.00
		MID	Q16	20.41	20.59	20.39	21.00
	100	LOW	Q16	20.41	20.59	20.39	21.00
		LOW	Q16	20.41	20.59	20.39	21.00
		MID	Q16	20.41	20.59	20.39	21.00

8.2.2 LTE Band4 Output Power

LTE B4-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.72	22.76	22.61	23.00
		MID	QPSK	22.65	22.64	22.51	23.00
		HIGH	QPSK	22.25	22.11	22.45	23.00
	3	LOW	QPSK	22.69	22.67	22.69	23.00
		MID	QPSK	22.47	22.57	22.67	23.00
		HIGH	QPSK	22.47	22.48	22.51	23.00
6	LOW	QPSK	22.83	22.75	22.77	23.00	
1.4	1	LOW	Q16	22.66	22.71	22.72	23.00
		MID	Q16	22.89	22.50	22.77	23.00
		HIGH	Q16	22.77	22.92	22.70	23.00
	3	LOW	Q16	22.93	22.96	23.00	23.00
		MID	Q16	22.79	22.90	22.80	23.00
		HIGH	Q16	22.23	22.33	22.49	23.00
6	LOW	Q16	21.73	21.93	21.76	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.55	22.70	22.69	23.00
		MID	QPSK	22.59	22.54	22.50	23.00
		HIGH	QPSK	22.31	22.38	22.29	23.00
	8	LOW	QPSK	22.90	22.92	22.87	23.00
		MID	QPSK	22.71	22.59	22.85	23.00
		HIGH	QPSK	22.78	22.67	22.78	23.00
15	LOW	QPSK	22.91	22.69	22.72	23.00	
3	1	LOW	Q16	22.77	22.74	22.95	23.00
		MID	Q16	22.79	22.66	22.92	23.00
		HIGH	Q16	22.10	22.22	22.29	23.00
	8	LOW	Q16	21.82	21.80	21.79	22.00
		MID	Q16	21.80	21.48	21.73	22.00
		HIGH	Q16	21.75	21.73	21.61	22.00
15	LOW	Q16	21.74	21.79	21.83	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.56	22.57	22.53	23.00
		MID	QPSK	22.83	22.79	22.60	23.00
		HIGH	QPSK	22.42	22.25	22.30	23.00
	12	LOW	QPSK	22.86	22.85	22.69	23.00
		MID	QPSK	22.62	22.64	22.44	23.00
		HIGH	QPSK	22.74	22.51	22.96	23.00
25	LOW	QPSK	22.55	22.54	22.76	23.00	
5	1	LOW	Q16	22.87	22.85	22.90	23.00
		MID	Q16	22.87	22.71	22.88	23.00
		HIGH	Q16	22.14	22.18	22.14	23.00
	12	LOW	Q16	21.69	21.68	21.76	22.00
		MID	Q16	21.59	21.80	21.71	22.00
		HIGH	Q16	21.52	21.68	21.83	22.00
25	LOW	Q16	21.75	21.95	21.57	22.00	

LTE B4-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.76	22.67	22.52	23.00
		MID	QPSK	22.63	22.71	22.81	23.00
		HIGH	QPSK	22.22	22.54	22.40	23.00
	25	LOW	QPSK	22.83	22.84	22.71	23.00
		MID	QPSK	22.80	22.61	22.89	23.00
		HIGH	QPSK	22.73	22.81	22.63	23.00
	50	LOW	QPSK	22.80	22.58	22.63	23.00
	10	LOW	Q16	22.69	22.93	22.95	23.00
		MID	Q16	22.82	22.95	22.77	23.00
		HIGH	Q16	22.07	22.04	22.12	23.00
	25	LOW	Q16	21.76	21.95	21.86	22.00
		MID	Q16	21.58	21.58	21.72	22.00
		HIGH	Q16	21.67	21.65	21.60	22.00
	50	LOW	Q16	21.78	21.63	21.54	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.60	22.66	22.53	23.00
		MID	QPSK	22.53	22.63	22.68	23.00
		HIGH	QPSK	22.17	22.09	22.36	23.00
	36	LOW	QPSK	22.85	22.99	22.62	23.00
		MID	QPSK	22.56	22.72	22.61	23.00
		HIGH	QPSK	22.65	22.60	22.67	23.00
	75	LOW	QPSK	22.72	22.62	22.87	23.00
	15	LOW	Q16	22.57	22.79	22.73	23.00
		MID	Q16	22.59	22.81	22.70	23.00
		HIGH	Q16	22.11	22.20	22.25	23.00
	36	LOW	Q16	21.76	21.66	21.72	22.00
		MID	Q16	21.89	21.76	21.69	22.00
		HIGH	Q16	21.76	21.71	21.56	22.00
	75	LOW	Q16	21.84	21.55	21.77	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.69	22.63	22.70	23.00
		MID	QPSK	22.73	22.69	22.68	23.00
		HIGH	QPSK	22.26	22.28	22.34	23.00
	50	LOW	QPSK	22.86	22.83	22.82	23.00
		MID	QPSK	22.63	22.60	22.77	23.00
		HIGH	QPSK	22.80	22.77	22.72	23.00
	100	LOW	QPSK	22.87	22.79	22.62	23.00
	20	LOW	Q16	22.78	22.93	22.65	23.00
		MID	Q16	22.76	22.74	22.86	23.00
		HIGH	Q16	22.18	22.32	22.39	23.00
	50	LOW	Q16	21.77	21.80	21.74	22.00
		MID	Q16	21.85	21.76	21.65	22.00
		HIGH	Q16	21.61	21.82	21.78	22.00
	100	LOW	Q16	21.85	21.71	21.67	22.00

8.2.3 LTE Band5 Output Power

LTE B5-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.89	22.56	22.86	24.50
		MID	QPSK	22.80	22.85	22.75	24.50
		HIGH	QPSK	22.92	22.92	22.63	24.50
	3	LOW	QPSK	22.83	22.69	22.67	24.50
		MID	QPSK	22.80	22.82	22.79	24.50
		HIGH	QPSK	22.72	22.93	22.71	24.50
1.4	1	LOW	Q16	21.81	22.16	22.06	23.50
		MID	Q16	21.94	21.98	22.05	23.50
		HIGH	Q16	22.02	22.08	21.87	23.50
	3	LOW	Q16	21.92	21.95	22.31	23.50
		MID	Q16	22.13	22.00	21.99	23.50
		HIGH	Q16	22.11	22.09	22.17	23.50
1.4	1	LOW	Q16	20.92	20.91	20.99	22.50
		MID	Q16	20.92	20.91	20.99	22.50
		HIGH	Q16	20.92	20.91	20.99	22.50
	3	LOW	Q16	20.92	20.91	20.99	22.50
		MID	Q16	20.92	20.91	20.99	22.50
		HIGH	Q16	20.92	20.91	20.99	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.62	22.61	22.64	24.50
		MID	QPSK	22.74	22.96	22.74	24.50
		HIGH	QPSK	22.72	22.88	22.87	24.50
	8	LOW	QPSK	21.93	21.84	21.80	23.50
		MID	QPSK	21.82	22.13	21.91	23.50
		HIGH	QPSK	21.79	21.93	21.98	23.50
3	1	LOW	QPSK	21.83	21.79	22.00	23.50
		MID	QPSK	21.83	21.79	22.00	23.50
		HIGH	QPSK	21.83	21.79	22.00	23.50
	8	LOW	Q16	22.17	22.14	22.15	23.50
		MID	Q16	22.03	21.93	22.23	23.50
		HIGH	Q16	22.16	22.16	22.06	23.50
3	1	LOW	Q16	20.92	20.91	21.01	22.50
		MID	Q16	20.90	20.90	21.08	22.50
		HIGH	Q16	20.85	20.82	21.12	22.50
	8	LOW	Q16	21.00	20.89	20.83	22.50
		MID	Q16	21.00	20.89	20.83	22.50
		HIGH	Q16	21.00	20.89	20.83	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.77	22.85	22.80	24.50
		MID	QPSK	22.73	23.01	22.88	24.50
		HIGH	QPSK	22.79	22.88	22.87	24.50
	12	LOW	QPSK	21.76	21.99	21.93	23.50
		MID	QPSK	22.05	21.97	21.87	23.50
		HIGH	QPSK	21.76	21.94	21.82	23.50
5	1	LOW	QPSK	21.87	22.06	21.75	23.50
		MID	QPSK	21.87	22.06	21.75	23.50
		HIGH	QPSK	21.87	22.06	21.75	23.50
	12	LOW	Q16	22.00	21.95	22.01	23.50
		MID	Q16	22.14	21.93	22.28	23.50
		HIGH	Q16	22.03	22.03	21.92	23.50
5	1	LOW	Q16	20.96	20.91	20.90	22.50
		MID	Q16	21.02	21.12	21.04	22.50
		HIGH	Q16	20.98	21.08	21.09	22.50
	12	LOW	Q16	21.02	20.86	20.95	22.50
		MID	Q16	21.02	20.86	20.95	22.50
		HIGH	Q16	21.02	20.86	20.95	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.74	22.70	22.76	24.50
		MID	QPSK	22.75	22.82	22.77	24.50
		HIGH	QPSK	22.83	22.82	22.72	24.50
	25	LOW	QPSK	21.83	21.89	21.90	23.50
		MID	QPSK	21.93	21.91	21.92	23.50
		HIGH	QPSK	21.91	21.92	21.90	23.50
10	1	LOW	QPSK	21.92	21.94	21.89	23.50
		MID	QPSK	21.92	21.94	21.89	23.50
		HIGH	QPSK	21.92	21.94	21.89	23.50
	25	LOW	Q16	22.05	22.02	22.16	23.50
		MID	Q16	22.08	22.08	22.14	23.50
		HIGH	Q16	22.06	22.08	22.07	23.50
10	1	LOW	Q16	20.88	20.94	20.96	22.50
		MID	Q16	21.00	21.01	20.94	22.50
		HIGH	Q16	20.98	20.93	21.04	22.50
	25	LOW	Q16	20.93	21.01	20.92	22.50
		MID	Q16	20.93	21.01	20.92	22.50
		HIGH	Q16	20.93	21.01	20.92	22.50

8.2.3 LTE Band5 Output Power

LTE B5-ANT1 Power(UL-CA&ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.89	22.56	22.86	24.50
		MID	QPSK	22.80	22.85	22.75	24.50
		HIGH	QPSK	22.92	22.92	22.63	24.50
	3	LOW	QPSK	22.83	22.69	22.67	24.50
		MID	QPSK	22.80	22.82	22.79	24.50
		HIGH	QPSK	22.72	22.93	22.71	24.50
1.4	1	LOW	Q16	21.81	22.16	22.06	23.50
		MID	Q16	21.94	21.98	22.05	23.50
		HIGH	Q16	22.02	22.08	21.87	23.50
	3	LOW	Q16	21.92	21.95	22.31	23.50
		MID	Q16	22.13	22.00	21.99	23.50
		HIGH	Q16	22.11	22.09	22.17	23.50
1.4	1	LOW	Q16	20.92	20.91	20.99	22.50
		MID	Q16	20.92	20.91	20.99	22.50
		HIGH	Q16	20.92	20.91	20.99	22.50
	3	LOW	Q16	20.92	20.91	20.99	22.50
		MID	Q16	20.92	20.91	20.99	22.50
		HIGH	Q16	20.92	20.91	20.99	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.62	22.61	22.64	24.50
		MID	QPSK	22.74	22.96	22.74	24.50
		HIGH	QPSK	22.72	22.88	22.87	24.50
	8	LOW	QPSK	21.93	21.84	21.80	23.50
		MID	QPSK	21.82	22.13	21.91	23.50
		HIGH	QPSK	21.79	21.93	21.98	23.50
3	1	LOW	QPSK	21.83	21.79	22.00	23.50
		MID	QPSK	21.83	21.79	22.00	23.50
		HIGH	QPSK	21.83	21.79	22.00	23.50
	8	LOW	Q16	22.17	22.14	22.15	23.50
		MID	Q16	22.03	21.93	22.23	23.50
		HIGH	Q16	22.16	22.16	22.06	23.50
3	1	LOW	Q16	20.92	20.91	21.01	22.50
		MID	Q16	20.90	20.90	21.08	22.50
		HIGH	Q16	20.85	20.82	21.12	22.50
	8	LOW	Q16	21.00	20.89	20.83	22.50
		MID	Q16	21.00	20.89	20.83	22.50
		HIGH	Q16	21.00	20.89	20.83	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.77	22.85	22.80	24.50
		MID	QPSK	22.73	23.01	22.88	24.50
		HIGH	QPSK	22.79	22.88	22.87	24.50
	12	LOW	QPSK	21.76	21.99	21.93	23.50
		MID	QPSK	22.05	21.97	21.87	23.50
		HIGH	QPSK	21.76	21.94	21.82	23.50
5	1	LOW	QPSK	21.87	22.06	21.75	23.50
		MID	QPSK	21.87	22.06	21.75	23.50
		HIGH	QPSK	21.87	22.06	21.75	23.50
	12	LOW	Q16	22.00	21.95	22.01	23.50
		MID	Q16	22.14	21.93	22.28	23.50
		HIGH	Q16	22.03	22.03	21.92	23.50
5	1	LOW	Q16	20.96	20.91	20.90	22.50
		MID	Q16	21.02	21.12	21.04	22.50
		HIGH	Q16	20.98	21.08	21.09	22.50
	12	LOW	Q16	21.02	20.86	20.95	22.50
		MID	Q16	21.02	20.86	20.95	22.50
		HIGH	Q16	21.02	20.86	20.95	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.74	22.70	22.76	24.50
		MID	QPSK	22.75	22.82	22.77	24.50
		HIGH	QPSK	22.83	22.82	22.72	24.50
	25	LOW	QPSK	21.83	21.89	21.90	23.50
		MID	QPSK	21.93	21.91	21.92	23.50
		HIGH	QPSK	21.91	21.92	21.90	23.50
10	1	LOW	QPSK	21.92	21.94	21.89	23.50
		MID	QPSK	21.92	21.94	21.89	23.50
		HIGH	QPSK	21.92	21.94	21.89	23.50
	25	LOW	Q16	22.05	22.02	22.16	23.50
		MID	Q16	22.08	22.08	22.14	23.50
		HIGH	Q16	22.06	22.08	22.07	23.50
10	1	LOW	Q16	20.88	20.94	20.96	22.50
		MID	Q16	21.00	21.01	20.94	22.50
		HIGH	Q16	20.98	20.93	21.04	22.50
	25	LOW	Q16	20.93	21.01	20.92	22.50
		MID	Q16	20.93	21.01	20.92	22.50
		HIGH	Q16	20.93	21.01	20.92	22.50

8.2.4 LTE Band7 Output Power

LTE B7-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.66	23.05	23.01	24.50
		MID	QPSK	22.94	22.89	23.20	24.50
		HIGH	QPSK	22.98	23.02	23.43	24.50
	12	LOW	QPSK	21.83	21.94	22.11	23.50
		MID	QPSK	21.74	21.96	22.23	23.50
		HIGH	QPSK	21.86	21.94	22.16	23.50
	25	LOW	QPSK	21.84	21.99	22.40	23.50
5	1	LOW	Q16	21.98	22.29	22.30	23.50
		MID	Q16	22.06	22.43	22.50	23.50
		HIGH	Q16	22.08	22.54	22.64	23.50
	12	LOW	Q16	20.88	21.18	21.18	22.50
		MID	Q16	21.02	20.93	21.52	22.50
		HIGH	Q16	20.82	21.04	21.25	22.50
	25	LOW	Q16	20.83	21.19	21.25	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.65	23.08	23.20	24.50
		MID	QPSK	22.89	22.97	23.31	24.50
		HIGH	QPSK	22.95	23.13	23.28	24.50
	25	LOW	QPSK	21.71	22.14	22.35	23.50
		MID	QPSK	21.72	21.94	22.23	23.50
		HIGH	QPSK	21.82	22.19	22.36	23.50
10	50	LOW	QPSK	21.90	22.06	22.23	23.50
	1	LOW	Q16	21.98	22.42	22.33	23.50
		MID	Q16	22.11	22.37	22.72	23.50
		HIGH	Q16	22.31	22.33	22.63	23.50
	25	LOW	Q16	20.72	20.91	21.37	22.50
		MID	Q16	20.88	21.08	21.26	22.50
		HIGH	Q16	21.05	21.03	21.24	22.50
10	50	LOW	Q16	20.74	20.98	21.26	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.86	22.94	23.23	24.50
		MID	QPSK	22.79	23.06	23.40	24.50
		HIGH	QPSK	23.01	22.96	23.35	24.50
	36	LOW	QPSK	22.01	22.03	22.36	23.50
		MID	QPSK	21.88	21.94	22.30	23.50
		HIGH	QPSK	21.82	22.14	22.39	23.50
15	75	LOW	QPSK	21.70	22.09	22.24	23.50
	1	LOW	Q16	22.07	22.50	22.34	23.50
		MID	Q16	22.16	22.43	22.68	23.50
		HIGH	Q16	22.31	22.40	22.85	23.50
	36	LOW	Q16	20.78	20.96	21.29	22.50
		MID	Q16	21.00	21.01	21.38	22.50
		HIGH	Q16	20.83	21.19	21.25	22.50
15	75	LOW	Q16	20.96	20.96	21.40	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.71	22.97	23.12	24.50
		MID	QPSK	22.86	22.99	23.25	24.50
		HIGH	QPSK	22.97	23.11	23.28	24.50
	50	LOW	QPSK	21.86	22.02	22.23	23.50
		MID	QPSK	21.86	22.09	22.35	23.50
		HIGH	QPSK	21.86	22.07	22.29	23.50
20	100	LOW	QPSK	21.85	22.00	22.29	23.50
	1	LOW	Q16	21.99	22.36	22.36	23.50
		MID	Q16	22.12	22.40	22.57	23.50
		HIGH	Q16	22.22	22.44	22.70	23.50
	50	LOW	Q16	20.87	21.03	21.26	22.50
		MID	Q16	20.88	21.08	21.38	22.50
		HIGH	Q16	20.90	21.09	21.35	22.50
20	100	LOW	Q16	20.84	21.04	21.32	22.50

8.2.5 LTE Band12 Output Power

LTE B12-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.96	24.02	23.94	24.50
		MID	QPSK	23.73	23.96	24.08	24.50
		HIGH	QPSK	23.82	24.08	23.74	24.50
	3	LOW	QPSK	23.87	23.89	24.02	24.50
		MID	QPSK	23.90	24.00	24.07	24.50
		HIGH	QPSK	23.86	24.03	23.76	24.50
6	LOW	QPSK	22.91	23.02	23.11	23.50	
1.4	1	LOW	Q16	23.23	23.14	22.94	23.50
		MID	Q16	23.27	23.03	23.12	23.50
		HIGH	Q16	23.12	22.93	23.01	23.50
	3	LOW	Q16	23.47	23.26	23.18	23.50
		MID	Q16	23.45	23.32	23.10	23.50
		HIGH	Q16	23.31	23.25	22.89	23.50
6	LOW	Q16	22.06	22.06	21.96	22.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.89	23.95	24.09	24.50
		MID	QPSK	23.85	24.09	23.87	24.50
		HIGH	QPSK	23.96	24.00	24.00	24.50
	8	LOW	QPSK	23.11	23.03	22.97	23.50
		MID	QPSK	23.17	23.05	22.94	23.50
		HIGH	QPSK	23.28	23.01	23.04	23.50
15	LOW	QPSK	22.98	22.98	23.17	23.50	
3	1	LOW	Q16	23.17	23.42	22.96	23.50
		MID	Q16	23.47	23.27	23.23	23.50
		HIGH	Q16	23.14	23.24	22.94	23.50
	8	LOW	Q16	22.01	22.10	22.07	22.50
		MID	Q16	22.20	21.95	22.16	22.50
		HIGH	Q16	22.20	22.19	22.18	22.50
15	LOW	Q16	22.17	21.96	22.15	22.50	

LTE B12-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.90	24.03	24.04	24.50
		MID	QPSK	23.77	23.97	23.81	24.50
		HIGH	QPSK	23.87	23.93	23.75	24.50
	12	LOW	QPSK	23.15	22.86	23.09	23.50
		MID	QPSK	23.02	23.10	23.07	23.50
		HIGH	QPSK	23.13	22.95	23.08	23.50
5	1	LOW	Q16	23.31	23.33	23.16	23.50
		MID	Q16	23.29	23.40	23.17	23.50
		HIGH	Q16	23.17	23.45	23.12	23.50
	12	LOW	Q16	21.96	21.99	22.01	22.50
		MID	Q16	22.14	22.12	22.05	22.50
		HIGH	Q16	22.19	21.95	22.06	22.50
5	1	LOW	Q16	22.07	22.14	21.95	22.50
		MID	Q16	22.07	22.14	21.95	22.50
		HIGH	Q16	22.07	22.14	21.95	22.50
	12	LOW	Q16	22.07	22.14	21.95	22.50
		MID	Q16	22.07	22.14	21.95	22.50
		HIGH	Q16	22.07	22.14	21.95	22.50
10	1	LOW	QPSK	23.99	23.90	23.94	24.50
		MID	QPSK	23.88	23.98	23.96	24.50
		HIGH	QPSK	23.83	23.95	23.88	24.50
	25	LOW	QPSK	23.00	23.01	23.03	23.50
		MID	QPSK	23.13	23.04	23.06	23.50
		HIGH	QPSK	23.13	23.03	23.07	23.50
10	1	LOW	QPSK	23.08	23.02	23.04	23.50
		MID	QPSK	23.08	23.02	23.04	23.50
		HIGH	QPSK	23.08	23.02	23.04	23.50
	25	LOW	QPSK	23.08	23.02	23.04	23.50
		MID	QPSK	23.08	23.02	23.04	23.50
		HIGH	QPSK	23.08	23.02	23.04	23.50
10	1	LOW	Q16	23.32	23.33	23.05	23.50
		MID	Q16	23.47	23.42	23.11	23.50
		HIGH	Q16	23.26	23.38	23.01	23.50
	25	LOW	Q16	22.05	22.06	22.06	22.50
		MID	Q16	22.21	22.09	22.09	22.50
		HIGH	Q16	22.17	22.07	22.08	22.50
10	1	LOW	Q16	22.14	22.02	22.07	22.50
		MID	Q16	22.14	22.02	22.07	22.50
		HIGH	Q16	22.14	22.02	22.07	22.50
	25	LOW	Q16	22.14	22.02	22.07	22.50
		MID	Q16	22.14	22.02	22.07	22.50
		HIGH	Q16	22.14	22.02	22.07	22.50

8.2.5 LTE Band12 Output Power

LTE B12-ANT1 Power(UL-CA&ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.96	24.02	23.94	24.50
		MID	QPSK	23.73	23.96	24.08	24.50
		HIGH	QPSK	23.82	24.08	23.74	24.50
	3	LOW	QPSK	23.87	23.89	24.02	24.50
		MID	QPSK	23.90	24.00	24.07	24.50
		HIGH	QPSK	23.86	24.03	23.76	24.50
	6	LOW	QPSK	22.91	23.02	23.11	23.50
1.4	1	LOW	Q16	23.23	23.14	22.94	23.50
		MID	Q16	23.27	23.03	23.12	23.50
		HIGH	Q16	23.12	22.93	23.01	23.50
	3	LOW	Q16	23.47	23.26	23.18	23.50
		MID	Q16	23.45	23.32	23.10	23.50
		HIGH	Q16	23.31	23.25	22.89	23.50
	6	LOW	Q16	22.06	22.06	21.96	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.89	23.95	24.09	24.50
		MID	QPSK	23.85	24.09	23.87	24.50
		HIGH	QPSK	23.96	24.00	24.00	24.50
	8	LOW	QPSK	23.11	23.03	22.97	23.50
		MID	QPSK	23.17	23.05	22.94	23.50
		HIGH	QPSK	23.28	23.01	23.04	23.50
15	LOW	QPSK	22.98	22.98	23.17	23.50	
3	1	LOW	Q16	23.17	23.42	22.96	23.50
		MID	Q16	23.47	23.27	23.23	23.50
		HIGH	Q16	23.14	23.24	22.94	23.50
	8	LOW	Q16	22.01	22.10	22.07	22.50
		MID	Q16	22.20	21.95	22.16	22.50
		HIGH	Q16	22.20	22.19	22.18	22.50
	15	LOW	Q16	22.17	21.96	22.15	22.50

LTE B12-ANT1 Power(UL-CA&ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.90	24.03	24.04	24.50
		MID	QPSK	23.77	23.97	23.81	24.50
		HIGH	QPSK	23.87	23.93	23.75	24.50
	12	LOW	QPSK	23.15	22.86	23.09	23.50
		MID	QPSK	23.02	23.10	23.07	23.50
		HIGH	QPSK	23.13	22.95	23.08	23.50
	25	LOW	QPSK	23.01	23.13	22.92	23.50
5	1	LOW	Q16	23.31	23.33	23.16	23.50
		MID	Q16	23.29	23.40	23.17	23.50
		HIGH	Q16	23.17	23.45	23.12	23.50
	12	LOW	Q16	21.96	21.99	22.01	22.50
		MID	Q16	22.14	22.12	22.05	22.50
		HIGH	Q16	22.19	21.95	22.06	22.50
	25	LOW	Q16	22.07	22.14	21.95	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.99	23.90	23.94	24.50
		MID	QPSK	23.88	23.98	23.96	24.50
		HIGH	QPSK	23.83	23.95	23.88	24.50
	25	LOW	QPSK	23.00	23.01	23.03	23.50
		MID	QPSK	23.13	23.04	23.06	23.50
		HIGH	QPSK	23.13	23.03	23.07	23.50
	50	LOW	QPSK	23.08	23.02	23.04	23.50
10	1	LOW	Q16	23.32	23.33	23.05	23.50
		MID	Q16	23.47	23.42	23.11	23.50
		HIGH	Q16	23.26	23.38	23.01	23.50
	25	LOW	Q16	22.05	22.06	22.06	22.50
		MID	Q16	22.21	22.09	22.09	22.50
		HIGH	Q16	22.17	22.07	22.08	22.50
	50	LOW	Q16	22.14	22.02	22.07	22.50

8.2.6 LTE Band14 Output Power

LTE B14-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23305	23330	23355	Tune-up power(dBm)
5	1	LOW	QPSK	23.80	23.69	23.65	24.50
		MID	QPSK	23.79	23.68	23.73	24.50
		HIGH	QPSK	23.65	23.71	23.50	24.50
	12	LOW	QPSK	22.56	22.55	22.71	23.50
		MID	QPSK	22.74	22.83	22.72	23.50
		HIGH	QPSK	22.87	22.85	22.64	23.50
	25	LOW	QPSK	22.55	22.62	22.74	23.50
5	1	LOW	Q16	22.90	22.89	22.76	23.50
		MID	Q16	22.84	22.90	23.05	23.50
		HIGH	Q16	22.68	22.79	22.69	23.50
	12	LOW	Q16	21.84	21.72	21.83	22.50
		MID	Q16	21.66	21.55	21.65	22.50
		HIGH	Q16	21.68	21.75	21.77	22.50
	25	LOW	Q16	21.81	21.65	21.58	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23330	/	Tune-up power(dBm)
10	1	LOW	QPSK	/	23.70	/	24.50
		MID	QPSK	/	23.68	/	24.50
		HIGH	QPSK	/	23.62	/	24.50
	25	LOW	QPSK	/	22.70	/	23.50
		MID	QPSK	/	22.78	/	23.50
		HIGH	QPSK	/	22.75	/	23.50
10	1	LOW	QPSK	/	22.68	/	23.50
		LOW	Q16	/	22.87	/	23.50
		MID	Q16	/	22.90	/	23.50
	25	HIGH	Q16	/	22.81	/	23.50
		LOW	Q16	/	21.73	/	22.50
		MID	Q16	/	21.68	/	22.50
	50	HIGH	Q16	/	21.79	/	22.50
		LOW	Q16	/	21.72	/	22.50

8.2.6 LTE Band14 Output Power

LTE B14-ANT1 Power(UL-CA&ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23305	23330	23355	Tune-up power(dBm)
5	1	LOW	QPSK	23.80	23.69	23.65	24.50
		MID	QPSK	23.79	23.68	23.73	24.50
		HIGH	QPSK	23.65	23.71	23.50	24.50
	12	LOW	QPSK	22.56	22.55	22.71	23.50
		MID	QPSK	22.74	22.83	22.72	23.50
		HIGH	QPSK	22.87	22.85	22.64	23.50
	25	LOW	QPSK	22.55	22.62	22.74	23.50
5	1	LOW	Q16	22.90	22.89	22.76	23.50
		MID	Q16	22.84	22.90	23.05	23.50
		HIGH	Q16	22.68	22.79	22.69	23.50
	12	LOW	Q16	21.84	21.72	21.83	22.50
		MID	Q16	21.66	21.55	21.65	22.50
		HIGH	Q16	21.68	21.75	21.77	22.50
	25	LOW	Q16	21.81	21.65	21.58	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23330	/	Tune-up power(dBm)
10	1	LOW	QPSK	/	23.70	/	24.50
		MID	QPSK	/	23.68	/	24.50
		HIGH	QPSK	/	23.62	/	24.50
	25	LOW	QPSK	/	22.70	/	23.50
		MID	QPSK	/	22.78	/	23.50
		HIGH	QPSK	/	22.75	/	23.50
10	50	LOW	QPSK	/	22.68	/	23.50
		LOW	Q16	/	22.87	/	23.50
		MID	Q16	/	22.90	/	23.50
	1	HIGH	Q16	/	22.81	/	23.50
		LOW	Q16	/	21.73	/	22.50
		MID	Q16	/	21.68	/	22.50
	25	HIGH	Q16	/	21.79	/	22.50
		LOW	Q16	/	21.72	/	22.50

8.2.7 LTE Band26 Output Power

LTE B26-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.85	22.66	22.72	24.50
		MID	QPSK	22.78	22.95	22.76	24.50
		HIGH	QPSK	22.70	22.71	22.70	24.50
	3	LOW	QPSK	22.85	22.90	22.82	24.50
		MID	QPSK	22.98	22.73	22.71	24.50
		HIGH	QPSK	22.88	22.92	22.69	24.50
1.4	6	LOW	QPSK	21.76	21.61	21.67	23.50
		LOW	Q16	21.88	21.83	21.94	23.50
		MID	Q16	21.97	21.86	21.97	23.50
	3	HIGH	Q16	21.74	21.79	21.74	23.50
		LOW	Q16	22.17	21.96	22.11	23.50
		MID	Q16	22.06	21.83	22.10	23.50
1.4	6	HIGH	Q16	22.20	22.01	22.14	23.50
		LOW	Q16	20.90	20.75	20.80	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
3	1	LOW	QPSK	22.87	22.76	22.67	24.50
		MID	QPSK	23.02	22.94	22.86	24.50
		HIGH	QPSK	22.69	22.90	22.71	24.50
	8	LOW	QPSK	21.70	21.85	21.77	23.50
		MID	QPSK	21.79	21.77	21.83	23.50
		HIGH	QPSK	21.88	21.85	21.75	23.50
3	15	LOW	QPSK	21.69	21.72	21.79	23.50
		LOW	Q16	22.18	21.99	21.96	23.50
		MID	Q16	22.20	21.85	22.24	23.50
	8	HIGH	Q16	22.21	22.17	22.17	23.50
		LOW	Q16	20.75	20.87	20.83	22.50
		MID	Q16	20.79	20.81	20.82	22.50
3	15	HIGH	Q16	20.81	20.78	21.07	22.50
		LOW	Q16	20.78	20.73	20.71	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	22.60	22.80	22.82	24.50
		MID	QPSK	22.85	22.98	22.84	24.50
		HIGH	QPSK	22.83	22.96	22.65	24.50
	12	LOW	QPSK	21.81	21.74	21.75	23.50
		MID	QPSK	21.76	21.85	21.66	23.50
		HIGH	QPSK	21.88	21.95	22.01	23.50
5	25	LOW	QPSK	21.90	21.95	21.89	23.50
		LOW	Q16	22.22	21.99	21.94	23.50
		MID	Q16	22.28	21.78	22.21	23.50
	12	HIGH	Q16	22.15	22.18	22.10	23.50
		LOW	Q16	20.66	20.80	20.86	22.50
		MID	Q16	20.96	21.00	20.89	22.50
5	25	HIGH	Q16	20.82	21.02	20.94	22.50
		LOW	Q16	20.79	20.73	20.89	22.50

LTE B26-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	22.84	22.88	22.82	24.50
		MID	QPSK	22.81	22.73	22.78	24.50
		HIGH	QPSK	22.81	22.90	22.64	24.50
	25	LOW	QPSK	21.79	21.87	21.73	23.50
		MID	QPSK	21.70	21.71	21.84	23.50
		HIGH	QPSK	21.73	21.85	21.87	23.50
	50	LOW	QPSK	21.88	21.79	21.91	23.50
10	1	LOW	Q16	22.16	21.85	21.88	23.50
		MID	Q16	22.27	21.93	21.97	23.50
		HIGH	Q16	22.24	21.96	22.04	23.50
	25	LOW	Q16	20.76	20.92	20.84	22.50
		MID	Q16	21.00	20.94	20.71	22.50
		HIGH	Q16	21.01	20.91	21.07	22.50
	50	LOW	Q16	21.02	20.93	20.72	22.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	22.74	22.79	22.77	24.50
		MID	QPSK	22.83	22.87	22.72	24.50
		HIGH	QPSK	22.81	22.85	22.67	24.50
	36	LOW	QPSK	21.75	21.76	21.82	23.50
		MID	QPSK	21.85	21.86	21.79	23.50
		HIGH	QPSK	21.87	21.89	21.89	23.50
	75	LOW	QPSK	21.84	21.83	21.81	23.50
15	1	LOW	Q16	22.09	21.91	21.98	23.50
		MID	Q16	22.14	21.89	22.12	23.50
		HIGH	Q16	22.09	22.11	22.13	23.50
	36	LOW	Q16	20.81	20.82	20.84	22.50
		MID	Q16	20.91	20.90	20.85	22.50
		HIGH	Q16	20.87	20.92	20.94	22.50
	75	LOW	Q16	20.91	20.88	20.81	22.50

8.2.8 LTE Band30 Output Power

LTE B30-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	27685	27710	27735	Tune-up power(dBm)
5	1	LOW	QPSK	22.51	22.32	22.36	24.00
		MID	QPSK	22.43	22.50	22.63	24.00
		HIGH	QPSK	22.46	22.41	22.35	24.00
	12	LOW	QPSK	21.76	21.48	21.61	23.00
		MID	QPSK	21.69	21.58	21.72	23.00
		HIGH	QPSK	21.65	21.63	21.65	23.00
	25	LOW	QPSK	21.71	21.54	21.60	23.00
		LOW	Q16	21.68	21.70	21.82	23.00
		MID	Q16	21.48	21.72	21.49	23.00
5	1	HIGH	Q16	21.78	21.65	21.70	23.00
	12	LOW	Q16	20.54	20.72	20.52	22.00
		MID	Q16	20.61	20.71	20.58	22.00
		HIGH	Q16	20.65	20.54	20.73	22.00
	25	LOW	Q16	20.48	20.53	20.63	22.00
		LOW	QPSK	/	27710	/	Tune-up power(dBm)
		LOW	QPSK	/	22.75	/	24.00
		MID	QPSK	/	22.85	/	24.00
		HIGH	QPSK	/	22.73	/	24.00
10	1	LOW	QPSK	/	21.62	/	23.00
		MID	QPSK	/	21.59	/	23.00
		HIGH	QPSK	/	21.64	/	23.00
	25	LOW	QPSK	/	21.60	/	23.00
		LOW	Q16	/	21.81	/	23.00
		MID	Q16	/	21.63	/	23.00
	50	HIGH	Q16	/	21.69	/	23.00
		LOW	Q16	/	20.64	/	22.00
		MID	Q16	/	20.64	/	22.00
10	1	HIGH	Q16	/	20.66	/	22.00
	25	LOW	Q16	/	20.61	/	22.00
		LOW	QPSK	/	20.61	/	22.00
	50	LOW	QPSK	/	20.61	/	22.00

8.2.8 LTE Band30 Output Power

LTE B30-ANT0 Power(UL-CA&ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	27685	27710	27735	Tune-up power(dBm)
5	1	LOW	QPSK	22.51	22.32	22.36	24.00
		MID	QPSK	22.43	22.50	22.63	24.00
		HIGH	QPSK	22.46	22.41	22.35	24.00
	12	LOW	QPSK	21.76	21.48	21.61	23.00
		MID	QPSK	21.69	21.58	21.72	23.00
		HIGH	QPSK	21.65	21.63	21.65	23.00
	25	LOW	QPSK	21.71	21.54	21.60	23.00
		LOW	Q16	21.68	21.70	21.82	23.00
		MID	Q16	21.48	21.72	21.49	23.00
5	1	HIGH	Q16	21.78	21.65	21.70	23.00
	12	LOW	Q16	20.54	20.72	20.52	22.00
		MID	Q16	20.61	20.71	20.58	22.00
		HIGH	Q16	20.65	20.54	20.73	22.00
	25	LOW	Q16	20.48	20.53	20.63	22.00
	1	LOW	QPSK	/	22.75	/	24.00
		MID	QPSK	/	22.85	/	24.00
		HIGH	QPSK	/	22.73	/	24.00
10	1	LOW	QPSK	/	21.62	/	23.00
		MID	QPSK	/	21.59	/	23.00
		HIGH	QPSK	/	21.64	/	23.00
	25	LOW	QPSK	/	21.60	/	23.00
		LOW	Q16	/	21.81	/	23.00
		MID	Q16	/	21.63	/	23.00
	50	HIGH	Q16	/	21.69	/	23.00
		LOW	Q16	/	20.64	/	22.00
		MID	Q16	/	20.64	/	22.00
10	1	HIGH	Q16	/	20.66	/	22.00
	25	LOW	Q16	/	20.61	/	22.00
		LOW	Q16	/	20.61	/	22.00
	50	LOW	Q16	/	20.61	/	22.00

8.2.9 LTE Band66 Output Power

LTE B66-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.05	21.01	21.25	22.00
		MID	QPSK	21.11	21.03	21.08	22.00
		HIGH	QPSK	21.21	21.05	21.00	22.00
	3	LOW	QPSK	21.03	21.23	21.24	22.00
		MID	QPSK	21.13	21.15	21.00	22.00
		HIGH	QPSK	21.13	21.24	21.11	22.00
	6	LOW	QPSK	21.15	21.14	21.21	22.00
	1.4	LOW	Q16	21.09	21.23	21.10	22.00
		MID	Q16	21.24	21.25	21.16	22.00
		HIGH	Q16	21.11	21.11	21.03	22.00
	3	LOW	Q16	21.21	21.15	21.13	22.00
		MID	Q16	21.14	21.03	21.01	22.00
		HIGH	Q16	21.20	21.11	21.07	22.00
	6	LOW	Q16	20.62	20.65	20.60	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	21.01	21.17	21.19	22.00
		MID	QPSK	21.05	21.19	21.11	22.00
		HIGH	QPSK	21.11	21.08	21.21	22.00
	8	LOW	QPSK	21.19	21.09	21.12	22.00
		MID	QPSK	21.14	21.23	21.23	22.00
		HIGH	QPSK	21.26	21.01	21.10	22.00
	15	LOW	QPSK	21.00	21.14	21.08	22.00
	3	LOW	Q16	21.12	21.12	21.20	22.00
		MID	Q16	21.13	21.22	21.08	22.00
		HIGH	Q16	21.02	21.02	21.01	22.00
	8	LOW	Q16	20.68	20.54	20.69	21.00
		MID	Q16	20.65	20.62	20.65	21.00
		HIGH	Q16	20.59	20.51	20.56	21.00
	15	LOW	Q16	20.62	20.70	20.70	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	21.09	21.00	21.13	22.00
		MID	QPSK	21.07	21.05	21.07	22.00
		HIGH	QPSK	21.02	21.02	21.16	22.00
	12	LOW	QPSK	21.12	21.14	21.12	22.00
		MID	QPSK	21.05	21.19	21.19	22.00
		HIGH	QPSK	21.26	21.04	21.25	22.00
	25	LOW	QPSK	21.24	21.12	21.06	22.00
	5	LOW	Q16	21.05	21.25	21.09	22.00
		MID	Q16	21.09	21.13	21.17	22.00
		HIGH	Q16	21.04	21.23	21.24	22.00
	12	LOW	Q16	20.70	20.51	20.74	21.00
		MID	Q16	20.67	20.53	20.53	21.00
		HIGH	Q16	20.54	20.65	20.69	21.00
	25	LOW	Q16	20.63	20.64	20.56	21.00

LTE B66-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	21.19	21.18	21.17	22.00
		MID	QPSK	21.20	21.07	21.10	22.00
		HIGH	QPSK	21.14	21.13	21.17	22.00
	25	LOW	QPSK	21.06	21.11	21.18	22.00
		MID	QPSK	21.22	21.10	21.01	22.00
		HIGH	QPSK	21.14	21.01	21.11	22.00
	50	LOW	QPSK	21.02	21.06	21.10	22.00
10	1	LOW	Q16	21.08	21.14	21.10	22.00
		MID	Q16	21.20	21.25	21.02	22.00
		HIGH	Q16	21.15	21.22	21.22	22.00
	25	LOW	Q16	20.76	20.75	20.68	21.00
		MID	Q16	20.59	20.58	20.55	21.00
		HIGH	Q16	20.59	20.56	20.59	21.00
	50	LOW	Q16	20.66	20.64	20.75	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	21.20	21.12	21.16	22.00
		MID	QPSK	21.15	21.08	21.19	22.00
		HIGH	QPSK	21.18	21.20	21.08	22.00
	36	LOW	QPSK	21.21	21.25	21.16	22.00
		MID	QPSK	21.19	21.09	21.13	22.00
		HIGH	QPSK	21.18	21.24	21.24	22.00
	75	LOW	QPSK	21.11	21.20	21.24	22.00
15	1	LOW	Q16	21.18	21.24	21.23	22.00
		MID	Q16	21.10	21.24	21.21	22.00
		HIGH	Q16	21.09	21.15	21.25	22.00
	36	LOW	Q16	20.63	20.66	20.60	21.00
		MID	Q16	20.50	20.69	20.61	21.00
		HIGH	Q16	20.62	20.75	20.68	21.00
	75	LOW	Q16	20.73	20.73	20.56	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	21.23	21.15	21.04	22.00
		MID	QPSK	21.04	21.21	21.01	22.00
		HIGH	QPSK	21.12	21.20	21.20	22.00
	50	LOW	QPSK	21.25	21.17	21.11	22.00
		MID	QPSK	21.22	21.03	21.23	22.00
		HIGH	QPSK	21.22	21.07	21.08	22.00
	100	LOW	QPSK	21.22	21.22	21.05	22.00
20	1	LOW	Q16	21.07	21.00	21.23	22.00
		MID	Q16	21.25	21.22	21.26	22.00
		HIGH	Q16	21.03	21.13	21.02	22.00
	50	LOW	Q16	20.67	20.54	20.63	21.00
		MID	Q16	20.63	20.56	20.59	21.00
		HIGH	Q16	20.71	20.56	20.65	21.00
	100	LOW	Q16	20.53	20.56	20.76	21.00

8.2.9 LTE Band66 Output Power

LTE B66-ANT0 Power(UL-CA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.05	21.01	21.25	22.00
		MID	QPSK	21.11	21.03	21.08	22.00
		HIGH	QPSK	21.21	21.05	21.00	22.00
	3	LOW	QPSK	21.03	21.23	21.24	22.00
		MID	QPSK	21.13	21.15	21.00	22.00
		HIGH	QPSK	21.13	21.24	21.11	22.00
6	LOW	QPSK	21.15	21.14	21.21	22.00	
1.4	1	LOW	Q16	21.09	21.23	21.10	22.00
		MID	Q16	21.24	21.25	21.16	22.00
		HIGH	Q16	21.11	21.11	21.03	22.00
	3	LOW	Q16	21.21	21.15	21.13	22.00
		MID	Q16	21.14	21.03	21.01	22.00
		HIGH	Q16	21.20	21.11	21.07	22.00
6	LOW	Q16	20.62	20.65	20.60	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	21.01	21.17	21.19	22.00
		MID	QPSK	21.05	21.19	21.11	22.00
		HIGH	QPSK	21.11	21.08	21.21	22.00
	8	LOW	QPSK	21.19	21.09	21.12	22.00
		MID	QPSK	21.14	21.23	21.23	22.00
		HIGH	QPSK	21.26	21.01	21.10	22.00
15	LOW	QPSK	21.00	21.14	21.08	22.00	
3	1	LOW	Q16	21.12	21.12	21.20	22.00
		MID	Q16	21.13	21.22	21.08	22.00
		HIGH	Q16	21.02	21.02	21.01	22.00
	8	LOW	Q16	20.68	20.54	20.69	21.00
		MID	Q16	20.65	20.62	20.65	21.00
		HIGH	Q16	20.59	20.51	20.56	21.00
15	LOW	Q16	20.62	20.70	20.70	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	21.09	21.00	21.13	22.00
		MID	QPSK	21.07	21.05	21.07	22.00
		HIGH	QPSK	21.02	21.02	21.16	22.00
	12	LOW	QPSK	21.12	21.14	21.12	22.00
		MID	QPSK	21.05	21.19	21.19	22.00
		HIGH	QPSK	21.26	21.04	21.25	22.00
25	LOW	QPSK	21.24	21.12	21.06	22.00	
5	1	LOW	Q16	21.05	21.25	21.09	22.00
		MID	Q16	21.09	21.13	21.17	22.00
		HIGH	Q16	21.04	21.23	21.24	22.00
	12	LOW	Q16	20.70	20.51	20.74	21.00
		MID	Q16	20.67	20.53	20.53	21.00
		HIGH	Q16	20.54	20.65	20.69	21.00
25	LOW	Q16	20.63	20.64	20.56	21.00	

LTE B66-ANT0 Power(UL-CA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	21.19	21.18	21.17	22.00
		MID	QPSK	21.20	21.07	21.10	22.00
		HIGH	QPSK	21.14	21.13	21.17	22.00
	25	LOW	QPSK	21.06	21.11	21.18	22.00
		MID	QPSK	21.22	21.10	21.01	22.00
		HIGH	QPSK	21.14	21.01	21.11	22.00
	50	LOW	QPSK	21.02	21.06	21.10	22.00
		LOW	Q16	21.08	21.14	21.10	22.00
		MID	Q16	21.20	21.25	21.02	22.00
10	1	HIGH	Q16	21.15	21.22	21.22	22.00
	25	LOW	Q16	20.76	20.75	20.68	21.00
		MID	Q16	20.59	20.58	20.55	21.00
		HIGH	Q16	20.59	20.56	20.59	21.00
		LOW	Q16	20.66	20.64	20.75	21.00
	50	LOW	Q16	20.66	20.64	20.75	21.00
		LOW	Q16	20.66	20.64	20.75	21.00
		MID	Q16	20.66	20.64	20.75	21.00
		HIGH	Q16	20.66	20.64	20.75	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	21.20	21.12	21.16	22.00
		MID	QPSK	21.15	21.08	21.19	22.00
		HIGH	QPSK	21.18	21.20	21.08	22.00
	36	LOW	QPSK	21.21	21.25	21.16	22.00
		MID	QPSK	21.19	21.09	21.13	22.00
		HIGH	QPSK	21.18	21.24	21.24	22.00
	75	LOW	QPSK	21.11	21.20	21.24	22.00
		LOW	Q16	21.18	21.24	21.23	22.00
		MID	Q16	21.10	21.24	21.21	22.00
15	1	HIGH	Q16	21.09	21.15	21.25	22.00
	36	LOW	Q16	20.63	20.66	20.60	21.00
		MID	Q16	20.50	20.69	20.61	21.00
		HIGH	Q16	20.62	20.75	20.68	21.00
		LOW	Q16	20.73	20.73	20.56	21.00
		LOW	Q16	20.73	20.73	20.56	21.00
		MID	Q16	20.73	20.73	20.56	21.00
		HIGH	Q16	20.73	20.73	20.56	21.00
		LOW	Q16	20.73	20.73	20.56	21.00
		MID	Q16	20.73	20.73	20.56	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	21.23	21.15	21.04	22.00
		MID	QPSK	21.04	21.21	21.01	22.00
		HIGH	QPSK	21.12	21.20	21.20	22.00
	50	LOW	QPSK	21.25	21.17	21.11	22.00
		MID	QPSK	21.22	21.03	21.23	22.00
		HIGH	QPSK	21.22	21.07	21.08	22.00
	100	LOW	QPSK	21.22	21.22	21.05	22.00
		LOW	Q16	21.07	21.00	21.23	22.00
		MID	Q16	21.25	21.22	21.26	22.00
20	1	HIGH	Q16	21.03	21.13	21.02	22.00
	50	LOW	Q16	20.67	20.54	20.63	21.00
		MID	Q16	20.63	20.56	20.59	21.00
		HIGH	Q16	20.71	20.56	20.65	21.00
		LOW	Q16	20.53	20.56	20.76	21.00
		LOW	Q16	20.53	20.56	20.76	21.00
		MID	Q16	20.53	20.56	20.76	21.00
		HIGH	Q16	20.53	20.56	20.76	21.00
		LOW	Q16	20.53	20.56	20.76	21.00
		MID	Q16	20.53	20.56	20.76	21.00

8.2.9 LTE Band66 Output Power

LTE B66-ANT0 Power(ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.05	21.01	21.25	22.00
		MID	QPSK	21.11	21.03	21.08	22.00
		HIGH	QPSK	21.21	21.05	21.00	22.00
	3	LOW	QPSK	21.03	21.23	21.24	22.00
		MID	QPSK	21.13	21.15	21.00	22.00
		HIGH	QPSK	21.13	21.24	21.11	22.00
	6	LOW	QPSK	21.15	21.14	21.21	22.00
	1.4	LOW	Q16	21.09	21.23	21.10	22.00
		MID	Q16	21.24	21.25	21.16	22.00
		HIGH	Q16	21.11	21.11	21.03	22.00
	3	LOW	Q16	21.21	21.15	21.13	22.00
		MID	Q16	21.14	21.03	21.01	22.00
		HIGH	Q16	21.20	21.11	21.07	22.00
	6	LOW	Q16	20.62	20.65	20.60	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	21.01	21.17	21.19	22.00
		MID	QPSK	21.05	21.19	21.11	22.00
		HIGH	QPSK	21.11	21.08	21.21	22.00
	8	LOW	QPSK	21.19	21.09	21.12	22.00
		MID	QPSK	21.14	21.23	21.23	22.00
		HIGH	QPSK	21.26	21.01	21.10	22.00
	15	LOW	QPSK	21.00	21.14	21.08	22.00
	3	LOW	Q16	21.12	21.12	21.20	22.00
		MID	Q16	21.13	21.22	21.08	22.00
		HIGH	Q16	21.02	21.02	21.01	22.00
	8	LOW	Q16	20.68	20.54	20.69	21.00
		MID	Q16	20.65	20.62	20.65	21.00
		HIGH	Q16	20.59	20.51	20.56	21.00
	15	LOW	Q16	20.62	20.70	20.70	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	21.09	21.00	21.13	22.00
		MID	QPSK	21.07	21.05	21.07	22.00
		HIGH	QPSK	21.02	21.02	21.16	22.00
	12	LOW	QPSK	21.12	21.14	21.12	22.00
		MID	QPSK	21.05	21.19	21.19	22.00
		HIGH	QPSK	21.26	21.04	21.25	22.00
	25	LOW	QPSK	21.24	21.12	21.06	22.00
	5	LOW	Q16	21.05	21.25	21.09	22.00
		MID	Q16	21.09	21.13	21.17	22.00
		HIGH	Q16	21.04	21.23	21.24	22.00
	12	LOW	Q16	20.70	20.51	20.74	21.00
		MID	Q16	20.67	20.53	20.53	21.00
		HIGH	Q16	20.54	20.65	20.69	21.00
	25	LOW	Q16	20.63	20.64	20.56	21.00

LTE B66-ANT0 Power(ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	21.19	21.18	21.17	22.00		
		MID	QPSK	21.20	21.07	21.10	22.00		
		HIGH	QPSK	21.14	21.13	21.17	22.00		
	25	LOW	QPSK	21.06	21.11	21.18	22.00		
		MID	QPSK	21.22	21.10	21.01	22.00		
		HIGH	QPSK	21.14	21.01	21.11	22.00		
	50	LOW	QPSK	21.02	21.06	21.10	22.00		
		1	LOW	Q16	21.08	21.14	21.10	22.00	
			MID	Q16	21.20	21.25	21.02	22.00	
10	1		HIGH	Q16	21.15	21.22	21.22	22.00	
		25	LOW	Q16	20.76	20.75	20.68	21.00	
			MID	Q16	20.59	20.58	20.55	21.00	
	HIGH		Q16	20.59	20.56	20.59	21.00		
	50	LOW	Q16	20.66	20.64	20.75	21.00		
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)	
	15	1	LOW	QPSK	21.20	21.12	21.16	22.00	
			MID	QPSK	21.15	21.08	21.19	22.00	
HIGH			QPSK	21.18	21.20	21.08	22.00		
36		LOW	QPSK	21.21	21.25	21.16	22.00		
		MID	QPSK	21.19	21.09	21.13	22.00		
		HIGH	QPSK	21.18	21.24	21.24	22.00		
75		LOW	QPSK	21.11	21.20	21.24	22.00		
		15	1	LOW	Q16	21.18	21.24	21.23	22.00
				MID	Q16	21.10	21.24	21.21	22.00
HIGH	Q16			21.09	21.15	21.25	22.00		
36	LOW		Q16	20.63	20.66	20.60	21.00		
	MID		Q16	20.50	20.69	20.61	21.00		
	HIGH		Q16	20.62	20.75	20.68	21.00		
75	LOW		Q16	20.73	20.73	20.56	21.00		
	Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1		LOW	QPSK	21.23	21.15	21.04	22.00	
		MID	QPSK	21.04	21.21	21.01	22.00		
		HIGH	QPSK	21.12	21.20	21.20	22.00		
	50	LOW	QPSK	21.25	21.17	21.11	22.00		
		MID	QPSK	21.22	21.03	21.23	22.00		
		HIGH	QPSK	21.22	21.07	21.08	22.00		
	100	LOW	QPSK	21.22	21.22	21.05	22.00		
		20	1	LOW	Q16	21.07	21.00	21.23	22.00
				MID	Q16	21.25	21.22	21.26	22.00
HIGH	Q16			21.03	21.13	21.02	22.00		
50	LOW		Q16	20.67	20.54	20.63	21.00		
	MID		Q16	20.63	20.56	20.59	21.00		
	HIGH		Q16	20.71	20.56	20.65	21.00		
100	LOW		Q16	20.53	20.56	20.76	21.00		

8.2.9 LTE Band66 Output Power

LTE B66-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.19	22.27	22.18	23.00
		MID	QPSK	22.46	22.40	22.51	23.00
		HIGH	QPSK	22.28	22.30	22.42	23.00
	3	LOW	QPSK	22.11	22.16	22.35	23.00
		MID	QPSK	22.63	22.51	22.67	23.00
		HIGH	QPSK	22.30	22.32	22.32	23.00
	6	LOW	QPSK	22.43	22.28	22.38	23.00
		LOW	Q16	22.48	22.42	22.65	23.00
		MID	Q16	22.66	22.53	22.46	23.00
1.4	1	MID	Q16	22.59	22.29	22.41	23.00
		HIGH	Q16	22.13	21.98	22.20	23.00
	3	LOW	Q16	22.23	22.35	22.06	23.00
		MID	Q16	22.72	22.94	22.68	23.00
		HIGH	Q16	21.46	21.37	21.47	22.00
	6	LOW	Q16	22.12	22.33	22.26	23.00
		MID	QPSK	22.52	22.60	22.46	23.00
		HIGH	QPSK	22.29	22.41	22.19	23.00
	8	LOW	QPSK	22.26	22.43	22.39	23.00
3	8	MID	QPSK	22.37	22.47	22.35	23.00
		HIGH	QPSK	22.64	22.60	22.52	23.00
	15	LOW	QPSK	22.50	22.56	22.32	23.00
		LOW	Q16	22.15	22.15	21.98	23.00
		MID	Q16	22.39	22.17	22.28	23.00
	1	HIGH	Q16	22.78	22.86	22.83	23.00
		LOW	Q16	21.44	21.38	21.40	22.00
		MID	Q16	21.48	21.38	21.50	22.00
		HIGH	Q16	21.23	21.45	21.68	22.00
3	15	LOW	Q16	21.43	21.42	21.42	22.00
	5	LOW	QPSK	22.03	22.11	22.16	23.00
		MID	QPSK	22.45	22.43	22.64	23.00
		HIGH	QPSK	22.31	22.16	22.20	23.00
	12	LOW	QPSK	22.48	22.33	22.35	23.00
		MID	QPSK	22.55	22.61	22.47	23.00
		HIGH	QPSK	22.54	22.66	22.47	23.00
	25	LOW	QPSK	22.29	22.39	22.50	23.00
		LOW	Q16	21.97	21.86	22.14	23.00
5	1	MID	Q16	22.00	22.40	22.11	23.00
		HIGH	Q16	22.80	22.82	22.81	23.00
	12	LOW	Q16	21.22	21.54	21.41	22.00
		MID	Q16	21.37	21.35	21.42	22.00
		HIGH	Q16	21.34	21.29	21.55	22.00
	25	LOW	Q16	21.27	21.29	21.12	22.00
		LOW	QPSK	22.03	22.11	22.16	23.00
		MID	QPSK	22.45	22.43	22.64	23.00
		HIGH	QPSK	22.31	22.16	22.20	23.00

LTE B66-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	22.22	22.21	22.33	23.00
		MID	QPSK	22.72	22.41	22.38	23.00
		HIGH	QPSK	22.28	22.34	22.26	23.00
	25	LOW	QPSK	22.16	22.25	22.43	23.00
		MID	QPSK	22.55	22.26	22.71	23.00
		HIGH	QPSK	22.51	22.70	22.45	23.00
	50	LOW	QPSK	22.54	22.43	22.53	23.00
	10	LOW	Q16	22.01	21.85	22.04	23.00
		MID	Q16	22.30	22.17	22.22	23.00
		HIGH	Q16	22.71	22.77	22.88	23.00
	25	LOW	Q16	21.59	21.23	21.35	22.00
		MID	Q16	21.54	21.40	21.35	22.00
		HIGH	Q16	21.38	21.53	21.53	22.00
	50	LOW	Q16	21.19	21.34	21.39	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	22.03	22.21	22.11	23.00
		MID	QPSK	22.40	22.40	22.65	23.00
		HIGH	QPSK	22.21	22.14	22.25	23.00
	36	LOW	QPSK	22.40	22.51	22.26	23.00
		MID	QPSK	22.40	22.53	22.47	23.00
		HIGH	QPSK	22.36	22.51	22.58	23.00
	75	LOW	QPSK	22.45	22.65	22.47	23.00
	15	LOW	Q16	22.09	21.95	22.17	23.00
		MID	Q16	21.90	22.16	22.16	23.00
		HIGH	Q16	22.76	22.86	22.85	23.00
	36	LOW	Q16	21.25	21.50	21.34	22.00
		MID	Q16	21.20	21.19	21.61	22.00
		HIGH	Q16	21.31	21.50	21.54	22.00
	75	LOW	Q16	21.34	21.30	21.33	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	22.14	22.24	22.27	23.00
		MID	QPSK	22.41	22.65	22.40	23.00
		HIGH	QPSK	22.46	22.23	22.11	23.00
	50	LOW	QPSK	22.25	22.51	22.26	23.00
		MID	QPSK	22.46	22.55	22.62	23.00
		HIGH	QPSK	22.56	22.50	22.57	23.00
	100	LOW	QPSK	22.37	22.53	22.48	23.00
	20	LOW	Q16	21.91	21.95	21.86	23.00
		MID	Q16	22.18	22.12	22.20	23.00
		HIGH	Q16	22.91	22.79	22.78	23.00
	50	LOW	Q16	21.50	21.43	21.36	22.00
		MID	Q16	21.46	21.54	21.43	22.00
		HIGH	Q16	21.43	21.54	21.60	22.00
	100	LOW	Q16	21.45	21.43	21.35	22.00

8.2.10 LTE Band38 Output Power

LTE B38-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.00	23.04	23.08	24.00
		MID	QPSK	23.06	23.02	22.87	24.00
		HIGH	QPSK	22.85	23.06	22.98	24.00
	12	LOW	QPSK	21.86	21.96	21.95	23.00
		MID	QPSK	22.00	21.96	21.97	23.00
		HIGH	QPSK	22.00	21.83	21.94	23.00
	25	LOW	QPSK	21.81	22.01	21.85	23.00
5	1	LOW	Q16	21.90	22.16	21.96	23.00
		MID	Q16	21.95	22.19	22.23	23.00
		HIGH	Q16	21.79	22.14	22.20	23.00
	12	LOW	Q16	21.07	21.05	21.02	22.00
		MID	Q16	21.10	21.19	20.96	22.00
		HIGH	Q16	20.85	20.87	21.00	22.00
	25	LOW	Q16	20.94	20.85	20.82	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	22.87	23.08	22.93	24.00
		MID	QPSK	23.00	23.18	22.81	24.00
		HIGH	QPSK	22.93	23.03	22.84	24.00
	25	LOW	QPSK	21.98	21.94	21.94	23.00
		MID	QPSK	21.90	22.07	22.09	23.00
		HIGH	QPSK	21.88	21.90	21.77	23.00
10	50	LOW	QPSK	21.98	22.13	22.03	23.00
	1	LOW	Q16	21.92	22.13	21.99	23.00
		MID	Q16	22.06	22.14	22.16	23.00
		HIGH	Q16	21.84	22.08	22.25	23.00
	25	LOW	Q16	20.89	21.14	20.86	22.00
		MID	Q16	20.98	21.13	21.17	22.00
		HIGH	Q16	21.07	21.04	20.97	22.00
	50	LOW	Q16	20.99	20.94	20.97	22.00

LTE B38-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	22.88	23.05	23.04	24.00
		MID	QPSK	23.12	23.11	22.96	24.00
		HIGH	QPSK	22.73	22.98	22.96	24.00
	36	LOW	QPSK	21.96	21.85	22.04	23.00
		MID	QPSK	21.95	21.90	22.09	23.00
		HIGH	QPSK	21.97	22.02	21.91	23.00
	75	LOW	QPSK	21.83	22.07	21.92	23.00
15	1	LOW	Q16	21.97	22.05	21.94	23.00
		MID	Q16	22.15	22.16	22.36	23.00
		HIGH	Q16	21.82	22.08	22.26	23.00
	36	LOW	Q16	20.82	21.05	21.12	22.00
		MID	Q16	21.03	21.07	21.03	22.00
		HIGH	Q16	21.02	20.84	20.88	22.00
	75	LOW	Q16	20.99	21.14	20.94	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	22.92	22.96	22.99	24.00
		MID	QPSK	23.07	23.05	22.90	24.00
		HIGH	QPSK	22.87	23.03	22.88	24.00
	50	LOW	QPSK	21.93	21.99	21.96	23.00
		MID	QPSK	22.02	22.03	21.98	23.00
		HIGH	QPSK	21.94	21.97	21.88	23.00
20	100	LOW	QPSK	21.96	22.00	21.95	23.00
	1	LOW	Q16	21.96	22.05	22.06	23.00
		MID	Q16	22.05	22.14	22.21	23.00
		HIGH	Q16	21.87	22.05	22.14	23.00
	50	LOW	Q16	20.94	21.02	20.99	22.00
		MID	Q16	21.01	21.06	21.03	22.00
		HIGH	Q16	20.94	20.96	20.91	22.00
	100	LOW	Q16	20.95	21.00	20.95	22.00

8.2.11 LTE Band40 Output Power

LTE B40-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	38675	39150	39625	Tune-up power(dBm)
5	1	LOW	QPSK	22.57	22.63	22.43	24.00
		MID	QPSK	22.84	22.54	22.40	24.00
		HIGH	QPSK	22.65	22.45	22.49	24.00
	12	LOW	QPSK	21.56	21.54	21.43	23.00
		MID	QPSK	21.69	21.33	21.48	23.00
		HIGH	QPSK	21.45	21.48	21.45	23.00
	25	LOW	QPSK	21.74	21.34	21.19	23.00
5	1	LOW	Q16	21.92	21.63	21.47	23.00
		MID	Q16	21.91	21.53	21.33	23.00
		HIGH	Q16	21.28	21.64	21.50	23.00
	12	LOW	Q16	20.62	20.55	20.47	22.00
		MID	Q16	20.73	20.39	20.48	22.00
		HIGH	Q16	20.20	20.32	20.45	22.00
	25	LOW	Q16	20.57	20.34	20.40	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	38700	39150	39600	Tune-up power(dBm)
10	1	LOW	QPSK	22.68	22.39	22.50	24.00
		MID	QPSK	22.71	22.47	22.29	24.00
		HIGH	QPSK	22.44	22.47	22.48	24.00
	25	LOW	QPSK	21.65	21.48	21.37	23.00
		MID	QPSK	21.70	21.53	21.40	23.00
		HIGH	QPSK	21.35	21.28	21.44	23.00
	50	LOW	QPSK	21.78	21.29	21.42	23.00
10	1	LOW	Q16	21.75	21.66	21.44	23.00
		MID	Q16	21.82	21.40	21.45	23.00
		HIGH	Q16	21.12	21.65	21.49	23.00
	25	LOW	Q16	20.60	20.30	20.39	22.00
		MID	Q16	20.77	20.33	20.37	22.00
		HIGH	Q16	20.24	20.38	20.54	22.00
	50	LOW	Q16	20.81	20.40	20.26	22.00

LTE B40-ANT0 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	38725	39150	39575	Tune-up power(dBm)
15	1	LOW	QPSK	22.66	22.57	22.27	24.00
		MID	QPSK	22.73	22.30	22.30	24.00
		HIGH	QPSK	22.67	22.35	22.43	24.00
	36	LOW	QPSK	21.48	21.32	21.28	23.00
		MID	QPSK	21.80	21.29	21.32	23.00
		HIGH	QPSK	21.20	21.56	21.42	23.00
	75	LOW	QPSK	21.72	21.28	21.39	23.00
15	1	LOW	Q16	21.88	21.75	21.24	23.00
		MID	Q16	21.69	21.59	21.43	23.00
		HIGH	Q16	21.26	21.65	21.27	23.00
	36	LOW	Q16	20.74	20.28	20.19	22.00
		MID	Q16	20.62	20.41	20.49	22.00
		HIGH	Q16	20.23	20.29	20.57	22.00
	75	LOW	Q16	20.80	20.36	20.33	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	38750	39150	39550	Tune-up power(dBm)
20	1	LOW	QPSK	22.56	22.51	22.42	24.00
		MID	QPSK	22.77	22.41	22.26	24.00
		HIGH	QPSK	22.58	22.34	22.34	24.00
	50	LOW	QPSK	21.61	21.41	21.31	23.00
		MID	QPSK	21.67	21.42	21.35	23.00
		HIGH	QPSK	21.31	21.43	21.39	23.00
	100	LOW	QPSK	21.66	21.30	21.31	23.00
20	1	LOW	Q16	21.83	21.77	21.37	23.00
		MID	Q16	21.83	21.54	21.41	23.00
		HIGH	Q16	21.18	21.51	21.41	23.00
	50	LOW	Q16	20.64	20.41	20.34	22.00
		MID	Q16	20.72	20.37	20.36	22.00
		HIGH	Q16	20.28	20.42	20.45	22.00
	100	LOW	Q16	20.68	20.41	20.36	22.00

8.2.12 LTE Band41 Output Power

LTE B41-ANT0 Full Power									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	23.46	23.24	23.24	23.18	23.08	24.00
		MID	QPSK	23.64	23.44	23.25	23.20	22.89	24.00
		HIGH	QPSK	23.67	23.58	23.14	23.08	22.98	24.00
	12	LOW	QPSK	22.46	22.43	22.47	22.76	22.11	23.00
		MID	QPSK	22.52	22.33	22.42	22.41	22.28	23.00
		HIGH	QPSK	22.72	22.37	22.32	22.52	22.16	23.00
5	25	LOW	QPSK	22.61	22.56	22.31	22.46	22.15	23.00
		LOW	Q16	22.51	22.63	22.38	22.35	22.54	23.00
		MID	Q16	22.57	22.68	22.42	22.80	22.34	23.00
	12	HIGH	Q16	22.66	22.78	22.55	22.57	22.28	23.00
		LOW	Q16	21.41	21.47	21.30	21.59	21.18	22.00
		MID	Q16	21.62	21.51	21.35	21.45	21.25	22.00
5	25	HIGH	Q16	21.56	21.54	21.51	21.52	21.12	22.00
		LOW	Q16	21.67	21.29	21.37	21.40	21.39	22.00
		LOW	Q16	21.67	21.29	21.37	21.40	21.39	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	23.45	23.28	23.20	23.27	23.01	24.00
		MID	QPSK	23.60	23.55	23.39	22.99	23.09	24.00
		HIGH	QPSK	23.54	23.45	23.09	23.26	23.08	24.00
	25	LOW	QPSK	22.38	22.32	22.20	22.73	22.36	23.00
		MID	QPSK	22.48	22.39	22.48	22.48	22.37	23.00
		HIGH	QPSK	22.55	22.39	22.31	22.58	22.18	23.00
10	50	LOW	QPSK	22.58	22.34	22.51	22.36	22.31	23.00
		LOW	Q16	22.81	22.42	22.28	22.48	22.43	23.00
		MID	Q16	22.62	22.80	22.38	22.84	22.42	23.00
	25	HIGH	Q16	22.73	22.59	22.34	22.73	22.26	23.00
		LOW	Q16	21.55	21.46	21.51	21.69	21.33	22.00
		MID	Q16	21.49	21.61	21.32	21.45	21.12	22.00
10	50	HIGH	Q16	21.76	21.55	21.38	21.49	21.27	22.00
		LOW	Q16	21.51	21.52	21.46	21.45	21.17	22.00

LTE B41-ANT0 Full Power									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	23.50	23.32	23.22	23.04	23.20	24.00
		MID	QPSK	23.62	23.53	23.23	23.23	22.82	24.00
		HIGH	QPSK	23.65	23.57	23.34	23.20	22.83	24.00
	36	LOW	QPSK	22.50	22.30	22.25	22.96	22.28	23.00
		MID	QPSK	22.61	22.47	22.29	22.34	22.28	23.00
		HIGH	QPSK	22.72	22.37	22.32	22.46	22.28	23.00
75	LOW	QPSK	22.58	22.54	22.45	22.40	22.35	23.00	
15	1	LOW	Q16	22.59	22.59	22.24	22.48	22.52	23.00
		MID	Q16	22.73	22.80	22.55	22.67	22.31	23.00
		HIGH	Q16	22.94	22.73	22.51	22.61	22.49	23.00
	36	LOW	Q16	21.44	21.51	21.50	21.68	21.38	22.00
		MID	Q16	21.62	21.51	21.43	21.54	21.18	22.00
		HIGH	Q16	21.61	21.59	21.24	21.32	21.25	22.00
75	LOW	Q16	21.51	21.53	21.41	21.29	21.32	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	23.48	23.36	23.32	23.13	23.05	24.00
		MID	QPSK	23.63	23.49	23.37	23.08	22.85	24.00
		HIGH	QPSK	23.69	23.46	23.23	23.15	22.93	24.00
	50	LOW	QPSK	22.46	22.45	22.32	22.55	22.25	23.00
		MID	QPSK	22.63	22.47	22.44	22.48	22.23	23.00
		HIGH	QPSK	22.67	22.48	22.33	22.47	22.14	23.00
100	LOW	QPSK	22.61	22.44	22.39	22.42	22.24	23.00	
20	1	LOW	Q16	22.66	22.48	22.35	22.43	22.42	23.00
		MID	Q16	22.68	22.70	22.53	22.74	22.29	23.00
		HIGH	Q16	22.81	22.64	22.49	22.64	22.37	23.00
	50	LOW	Q16	21.46	21.45	21.36	21.73	21.27	22.00
		MID	Q16	21.64	21.48	21.42	21.48	21.24	22.00
		HIGH	Q16	21.67	21.51	21.39	21.45	21.17	22.00
100	LOW	Q16	21.61	21.39	21.43	21.38	21.24	22.00	

8.2.13 LTE Band48 Output Power

LTE B48-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	55340	55900	56640	Tune-up power(dBm)
5	1	LOW	QPSK	21.85	22.01	21.95	22.50
		MID	QPSK	22.16	22.08	22.21	22.50
		HIGH	QPSK	21.94	22.23	22.07	22.50
	12	LOW	QPSK	21.24	21.25	21.13	21.50
		MID	QPSK	21.36	21.37	21.36	21.50
		HIGH	QPSK	21.34	21.28	21.15	21.50
	25	LOW	QPSK	21.33	21.13	21.21	21.50
5	1	LOW	Q16	20.99	21.24	21.23	21.50
		MID	Q16	21.00	21.28	21.27	21.50
		HIGH	Q16	21.05	21.23	21.07	21.50
	12	LOW	Q16	19.97	20.23	20.14	20.50
		MID	Q16	20.39	20.26	20.29	20.50
		HIGH	Q16	20.34	20.40	20.22	20.50
	25	LOW	Q16	20.18	20.10	20.24	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	55340	55900	56640	Tune-up power(dBm)
10	1	LOW	QPSK	22.02	21.94	21.95	22.50
		MID	QPSK	22.12	22.02	22.00	22.50
		HIGH	QPSK	21.94	22.04	21.99	22.50
	25	LOW	QPSK	21.19	21.15	21.17	21.50
		MID	QPSK	21.15	21.13	21.37	21.50
		HIGH	QPSK	21.39	21.12	21.24	21.50
	50	LOW	QPSK	21.33	21.11	21.10	21.50
10	1	LOW	Q16	20.99	21.11	21.20	21.50
		MID	Q16	21.27	21.29	21.23	21.50
		HIGH	Q16	21.05	21.28	21.17	21.50
	25	LOW	Q16	20.11	20.11	20.09	20.50
		MID	Q16	20.30	20.37	20.22	20.50
		HIGH	Q16	20.37	20.24	20.22	20.50
	50	LOW	Q16	20.06	20.23	20.12	20.50

LTE B48-ANT1 Full Power							
Bandwidth (MHz)	RB Size	RB offset	Modulation	55340	55900	56640	Tune-up power(dBm)
15	1	LOW	QPSK	21.94	22.07	21.84	22.50
		MID	QPSK	22.05	22.25	22.27	22.50
		HIGH	QPSK	22.24	22.11	22.06	22.50
	36	LOW	QPSK	21.17	21.00	21.24	21.50
		MID	QPSK	21.40	21.28	21.12	21.50
		HIGH	QPSK	21.12	21.24	21.18	21.50
	75	LOW	QPSK	21.12	21.37	21.14	21.50
15	1	LOW	Q16	21.15	21.14	20.97	21.50
		MID	Q16	21.28	21.14	21.28	21.50
		HIGH	Q16	21.21	21.28	21.24	21.50
	36	LOW	Q16	20.20	19.96	20.12	20.50
		MID	Q16	20.41	20.33	20.33	20.50
		HIGH	Q16	20.12	20.11	20.13	20.50
	75	LOW	Q16	20.26	20.24	20.09	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	55340	55900	56640	Tune-up power(dBm)
20	1	LOW	QPSK	21.94	21.96	21.90	22.50
		MID	QPSK	22.14	22.12	22.10	22.50
		HIGH	QPSK	22.03	22.09	22.00	22.50
	50	LOW	QPSK	21.16	21.13	21.10	21.50
		MID	QPSK	21.32	21.26	21.32	21.50
		HIGH	QPSK	21.24	21.25	21.17	21.50
	100	LOW	QPSK	21.30	21.24	21.28	21.50
20	1	LOW	Q16	21.06	21.11	21.11	21.50
		MID	Q16	21.13	21.14	21.16	21.50
		HIGH	Q16	21.10	21.13	21.09	21.50
	50	LOW	Q16	20.09	20.11	20.08	20.50
		MID	Q16	20.20	20.28	20.30	20.50
		HIGH	Q16	20.17	20.25	20.29	20.50
	100	LOW	Q16	20.09	20.19	20.10	20.50

8.3.1 NR Band2 Output Power

N2-ANT0 Full power

Bandwidth (MHz)	Modulation	Channel		375000	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.09	22.94	23.00	23.50
Bandwidth (MHz)	Modulation	Channel		371000	167300	381000	Tune-up power(dB)
		RB Size	RB offset	1855	836.5	1905	
10	DFT-s-OFDM BPSK	1	1	22.92	22.95	22.82	23.50
Bandwidth (MHz)	Modulation	Channel		371500	167300	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	836.5	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.06	22.86	23.16	23.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.98	23.14	22.85	23.50
Bandwidth (MHz)	Modulation	Channel		372500	376000	379500	Tune-up power(dB)
		RB Size	RB offset	1862.5	1880	1897.5	
25	DFT-s-OFDM BPSK	1	1	21.93	21.85	21.75	23.50
Bandwidth (MHz)	Modulation	Channel		373000	376000	379000	Tune-up power(dB)
		RB Size	RB offset	1865	1880	1895	
30	DFT-s-OFDM BPSK	1	1	22.89	23.15	22.88	23.50
Bandwidth (MHz)	Modulation	Channel		374000	376000	378000	Tune-up power(dB)
		RB Size	RB offset	1870	1880	1890	
40	DFT-s-OFDM BPSK	1	1	22.85	23.01	22.87	23.50
		1	121	22.89	23.08	23.01	23.50
		1	241	22.92	22.96	22.92	23.50
	DFT-s-OFDM BPSK	121	0	22.87	22.96	22.78	23.50
		121	60	22.91	23.01	23.00	23.50
		121	121	22.99	22.91	23.07	23.50
	DFT-s-OFDM BPSK	241	0	22.01	22.04	22.00	22.50
		1	1	23.00	23.06	22.98	23.50
		1	121	22.71	22.92	22.93	23.50
		1	241	23.08	22.85	22.88	23.50
	DFT-s-OFDM QPSK	121	0	22.97	23.04	22.95	23.50
		121	60	22.79	22.80	22.82	23.50
		121	121	22.96	22.83	22.87	23.50
	DFT-s-OFDM QPSK	241	0	21.88	21.94	21.85	22.50
		1	1	21.81	21.90	22.02	22.50
		1	1	20.45	20.56	20.67	21.00
	DFT-s-OFDM 256QAM	1	1	18.44	18.49	18.63	19.00
	CP-OFDM QPSK	1	1	21.57	21.63	21.60	22.00
	CP-OFDM 16QAM	1	1	21.29	21.18	21.36	21.50
	CP-OFDM 64QAM	1	1	19.31	19.38	19.25	20.00
	CP-OFDM 256QAM	1	1	16.48	16.51	16.55	17.00

8.3.1 NR Band2 Output Power

N2-ANT0 power(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		375000	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.09	22.94	23.00	23.50
Bandwidth (MHz)	Modulation	Channel		371000	167300	381000	Tune-up power(dB)
		RB Size	RB offset	1855	836.5	1905	
10	DFT-s-OFDM BPSK	1	1	22.92	22.95	22.82	23.50
Bandwidth (MHz)	Modulation	Channel		371500	167300	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	836.5	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.06	22.86	23.16	23.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.98	23.14	22.85	23.50
Bandwidth (MHz)	Modulation	Channel		372500	376000	379500	Tune-up power(dB)
		RB Size	RB offset	1862.5	1880	1897.5	
25	DFT-s-OFDM BPSK	1	1	21.93	21.85	21.75	23.50
Bandwidth (MHz)	Modulation	Channel		373000	376000	379000	Tune-up power(dB)
		RB Size	RB offset	1865	1880	1895	
30	DFT-s-OFDM BPSK	1	1	22.89	23.15	22.88	23.50
Bandwidth (MHz)	Modulation	Channel		374000	376000	378000	Tune-up power(dB)
		RB Size	RB offset	1870	1880	1890	
40	DFT-s-OFDM BPSK	1	1	22.85	23.01	22.87	23.50
		1	121	22.89	23.08	23.01	23.50
		1	241	22.92	22.96	22.92	23.50
	DFT-s-OFDM BPSK	121	0	22.87	22.96	22.78	23.50
		121	60	22.91	23.01	23.00	23.50
		121	121	22.99	22.91	23.07	23.50
	DFT-s-OFDM BPSK	241	0	22.01	22.04	22.00	22.50
		1	1	23.00	23.06	22.98	23.50
		1	121	22.71	22.92	22.93	23.50
		1	241	23.08	22.85	22.88	23.50
	DFT-s-OFDM QPSK	121	0	22.97	23.04	22.95	23.50
		121	60	22.79	22.80	22.82	23.50
		121	121	22.96	22.83	22.87	23.50
	DFT-s-OFDM QPSK	241	0	21.88	21.94	21.85	22.50
		1	1	21.81	21.90	22.02	22.50
		1	1	20.45	20.56	20.67	21.00
	DFT-s-OFDM 256QAM	1	1	18.44	18.49	18.63	19.00
	CP-OFDM QPSK	1	1	21.57	21.63	21.60	22.00
	CP-OFDM 16QAM	1	1	21.29	21.18	21.36	21.50
	CP-OFDM 64QAM	1	1	19.31	19.38	19.25	20.00
	CP-OFDM 256QAM	1	1	16.48	16.51	16.55	17.00

8.3.1 NR Band2 Output Power

N2-ANT1 Full power

Bandwidth (MHz)	Modulation	Channel		375000	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	20.96	20.98	21.07	22.00
Bandwidth (MHz)	Modulation	Channel		371000	167300	381000	Tune-up power(dB)
		RB Size	RB offset	1855	836.5	1905	
10	DFT-s-OFDM BPSK	1	1	20.93	20.96	20.96	22.00
Bandwidth (MHz)	Modulation	Channel		371500	167300	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	836.5	1902.5	
15	DFT-s-OFDM BPSK	1	1	20.87	21.08	20.96	22.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	21.06	21.08	20.90	22.00
Bandwidth (MHz)	Modulation	Channel		372500	376000	379500	Tune-up power(dB)
		RB Size	RB offset	1862.5	1880	1897.5	
25	DFT-s-OFDM BPSK	1	1	21.03	20.88	20.93	22.00
Bandwidth (MHz)	Modulation	Channel		373000	376000	379000	Tune-up power(dB)
		RB Size	RB offset	1865	1880	1895	
30	DFT-s-OFDM BPSK	1	1	20.92	21.06	21.01	22.00
Bandwidth (MHz)	Modulation	Channel		374000	376000	378000	Tune-up power(dB)
		RB Size	RB offset	1870	1880	1890	
40	DFT-s-OFDM BPSK	1	1	21.05	20.86	20.86	22.00
		1	121	20.90	21.03	20.88	22.00
		1	241	20.89	20.91	20.92	22.00
	DFT-s-OFDM BPSK	121	0	21.10	21.08	20.92	22.00
		121	60	20.86	21.04	20.86	22.00
		121	121	20.93	21.09	21.06	22.00
	DFT-s-OFDM BPSK	241	0	20.92	21.06	20.99	22.00
		1	1	20.86	20.89	20.96	22.00
		1	121	20.94	21.06	21.07	22.00
	DFT-s-OFDM QPSK	1	241	20.92	20.93	21.07	22.00
		121	0	20.92	20.92	21.07	22.00
		121	60	20.97	20.91	21.11	22.00
	DFT-s-OFDM QPSK	121	121	20.94	21.00	20.93	22.00
		241	0	21.10	21.05	20.89	22.00
		1	1	21.10	21.10	20.97	22.00
	DFT-s-OFDM 16QAM	1	1	20.91	20.73	20.67	22.00
	DFT-s-OFDM 64QAM	1	1	20.91	20.73	20.67	22.00
	DFT-s-OFDM 256QAM	1	1	18.59	18.46	18.61	19.00
	CP-OFDM QPSK	1	1	19.99	20.24	20.07	20.50
	CP-OFDM 16QAM	1	1	19.85	19.61	19.94	20.50
	CP-OFDM 64QAM	1	1	19.18	19.30	19.24	20.00
	CP-OFDM 256QAM	1	1	16.46	16.62	16.46	17.00

8.3.1 NR Band2 Output Power

N2-ANT1 power(ENDC)

Bandwidth (MHz)	Modulation	Channel		375000	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	20.96	20.98	21.07	22.00
Bandwidth (MHz)	Modulation	Channel		371000	167300	381000	Tune-up power(dB)
		RB Size	RB offset	1855	836.5	1905	
10	DFT-s-OFDM BPSK	1	1	20.93	20.96	20.96	22.00
Bandwidth (MHz)	Modulation	Channel		371500	167300	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	836.5	1902.5	
15	DFT-s-OFDM BPSK	1	1	20.87	21.08	20.96	22.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	21.06	21.08	20.90	22.00
Bandwidth (MHz)	Modulation	Channel		372500	376000	379500	Tune-up power(dB)
		RB Size	RB offset	1862.5	1880	1897.5	
25	DFT-s-OFDM BPSK	1	1	21.03	20.88	20.93	22.00
Bandwidth (MHz)	Modulation	Channel		373000	376000	379000	Tune-up power(dB)
		RB Size	RB offset	1865	1880	1895	
30	DFT-s-OFDM BPSK	1	1	20.92	21.06	21.01	22.00
Bandwidth (MHz)	Modulation	Channel		374000	376000	378000	Tune-up power(dB)
		RB Size	RB offset	1870	1880	1890	
40	DFT-s-OFDM BPSK	1	1	21.05	20.86	20.86	22.00
		1	121	20.90	21.03	20.88	22.00
		1	241	20.89	20.91	20.92	22.00
	DFT-s-OFDM BPSK	121	0	21.10	21.08	20.92	22.00
		121	60	20.86	21.04	20.86	22.00
		121	121	20.93	21.09	21.06	22.00
	DFT-s-OFDM BPSK	241	0	20.92	21.06	20.99	22.00
		1	1	20.86	20.89	20.96	22.00
		1	121	20.94	21.06	21.07	22.00
	DFT-s-OFDM QPSK	1	241	20.92	20.93	21.07	22.00
		121	0	20.92	20.92	21.07	22.00
		121	60	20.97	20.91	21.11	22.00
	DFT-s-OFDM QPSK	121	121	20.94	21.00	20.93	22.00
		241	0	21.10	21.05	20.89	22.00
		1	1	21.10	21.10	20.97	22.00
	DFT-s-OFDM 16QAM	1	1	20.91	20.73	20.67	22.00
	DFT-s-OFDM 64QAM	1	1	20.91	20.73	20.67	22.00
	DFT-s-OFDM 256QAM	1	1	18.59	18.46	18.61	19.00
	CP-OFDM QPSK	1	1	19.99	20.24	20.07	20.50
	CP-OFDM 16QAM	1	1	19.85	19.61	19.94	20.50
	CP-OFDM 64QAM	1	1	19.18	19.30	19.24	20.00
	CP-OFDM 256QAM	1	1	16.46	16.62	16.46	17.00

8.3.2 NR Band5 Output Power

N5-ANT1 Full power

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.53	23.83	23.52	24.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	23.52	23.70	23.56	24.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.55	23.79	23.68	24.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	23.60	23.66	23.62	24.00
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	23.71	/	24.00
		1	67	/	23.80	/	24.00
		1	131	/	23.65	/	24.00
	DFT-s-OFDM BPSK	64	0	/	23.65	/	24.00
		64	35	/	23.71	/	24.00
		64	69	/	23.62	/	24.00
	DFT-s-OFDM BPSK	128	0	/	22.59	/	23.00
	DFT-s-OFDM QPSK	1	1	/	23.78	/	24.00
		1	67	/	23.97	/	24.00
		1	131	/	23.71	/	24.00
	DFT-s-OFDM QPSK	64	0	/	23.48	/	24.00
		64	35	/	23.48	/	24.00
		64	69	/	23.51	/	24.00
	DFT-s-OFDM QPSK	128	0	/	22.69	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.72	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	21.30	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.21	/	19.50
	CP-OFDM QPSK	1	1	/	22.03	/	22.50
	CP-OFDM 16QAM	1	1	/	21.78	/	22.00
	CP-OFDM 64QAM	1	1	/	19.06	/	20.50
	CP-OFDM 256QAM	1	1	/	17.21	/	17.50

8.3.2 NR Band5 Output Power

N5-ANT1 power(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	21.98	20.61	22.07	24.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	21.99	20.49	22.10	24.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	22.05	20.65	22.24	24.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.04	20.55	22.11	24.00
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	22.24	/	24.00
		1	67	/	22.27	/	24.00
		1	131	/	22.04	/	24.00
	DFT-s-OFDM BPSK	64	0	/	22.11	/	24.00
		64	35	/	22.11	/	24.00
		64	69	/	22.06	/	24.00
	DFT-s-OFDM BPSK	128	0	/	22.10	/	23.00
	DFT-s-OFDM QPSK	1	1	/	22.27	/	24.00
		1	67	/	22.44	/	24.00
		1	131	/	22.05	/	24.00
	DFT-s-OFDM QPSK	64	0	/	22.03	/	24.00
		64	35	/	21.99	/	24.00
		64	69	/	22.40	/	24.00
	DFT-s-OFDM QPSK	128	0	/	22.10	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.25	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	21.34	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.23	/	19.50
	CP-OFDM QPSK	1	1	/	21.92	/	22.50
	CP-OFDM 16QAM	1	1	/	21.71	/	22.00
	CP-OFDM 64QAM	1	1	/	18.98	/	20.50
	CP-OFDM 256QAM	1	1	/	17.28	/	17.50

8.3.3 NR Band14 Output Power

N14-ANT1 Full power

Bandwidth (MHz)	Modulation	Channel		158100	158600	159100	Tune-up power(dB)
		RB Size	RB offset	790.5	793	795.5	
5	DFT-s-OFDM BPSK	1	1	23.68	23.89	23.72	24.00
Bandwidth (MHz)	Modulation	Channel		/	158600	/	Tune-up power(dB)
		RB Size	RB offset	/	793	/	
10	DFT-s-OFDM BPSK	1	1	/	23.76	/	24.00
		1	26	/	23.65	/	24.00
		1	50	/	23.58	/	24.00
	DFT-s-OFDM BPSK	25	0	/	23.72	/	24.00
		25	14	/	23.61	/	24.00
		25	27	/	23.51	/	24.00
	DFT-s-OFDM BPSK	50	0	/	22.68	/	23.00
	DFT-s-OFDM QPSK	1	1	/	23.70	/	24.00
		1	26	/	23.49	/	24.00
		1	50	/	23.61	/	24.00
	DFT-s-OFDM QPSK	25	0	/	23.56	/	24.00
		25	14	/	23.65	/	24.00
		25	27	/	23.34	/	24.00
	DFT-s-OFDM QPSK	50	0	/	22.45	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.69	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	21.21	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.32	/	19.50
	CP-OFDM QPSK	1	1	/	22.34	/	22.50
	CP-OFDM 16QAM	1	1	/	21.92	/	22.00
	CP-OFDM 64QAM	1	1	/	19.03	/	20.50
	CP-OFDM 256QAM	1	1	/	17.28	/	17.50

8.3.3 NR Band14 Output Power

N14-ANT1 power(UL-CA)

Bandwidth (MHz)	Modulation	Channel		158100	158600	159100	Tune-up power(dB)
		RB Size	RB offset	790.5	793	795.5	
5	DFT-s-OFDM BPSK	1	1	23.68	23.57	23.72	24.00
Bandwidth (MHz)	Modulation	Channel		/	158600	/	Tune-up power(dB)
		RB Size	RB offset	/	793	/	
10	DFT-s-OFDM BPSK	1	1	/	23.76	/	24.00
		1	26	/	23.65	/	24.00
		1	50	/	23.58	/	24.00
	DFT-s-OFDM BPSK	25	0	/	23.72	/	24.00
		25	14	/	23.61	/	24.00
		25	27	/	23.51	/	24.00
	DFT-s-OFDM BPSK	50	0	/	22.68	/	23.00
	DFT-s-OFDM QPSK	1	1	/	23.70	/	24.00
		1	26	/	23.52	/	24.00
		1	50	/	23.63	/	24.00
	DFT-s-OFDM QPSK	25	0	/	23.53	/	24.00
		25	14	/	23.65	/	24.00
		25	27	/	23.65	/	24.00
	DFT-s-OFDM QPSK	50	0	/	22.45	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.69	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	21.21	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.32	/	19.50
	CP-OFDM QPSK	1	1	/	22.34	/	22.50
	CP-OFDM 16QAM	1	1	/	21.92	/	22.00
	CP-OFDM 64QAM	1	1	/	19.03	/	20.50
	CP-OFDM 256QAM	1	1	/	17.28	/	17.50

8.3.4 NR Band30 Output Power

N30-ANT0 Full power

Bandwidth (MHz)	Modulation	Channel		461500	462000	462500	Tune-up power(dB)
		RB Size	RB offset	2307.5	2310	2312.5	
5	DFT-s-OFDM BPSK	1	1	23.16	23.21	23.08	24.50
Bandwidth (MHz)	Modulation	Channel		/	462000	/	Tune-up power(dB)
		RB Size	RB offset	/	2310	/	
10	DFT-s-OFDM BPSK	1	1	/	23.26	/	24.50
		1	53	/	23.28	/	24.50
		1	104	/	23.21	/	24.50
	DFT-s-OFDM BPSK	50	0	/	23.18	/	24.50
		50	28	/	23.25	/	24.50
		50	56	/	23.16	/	24.50
	DFT-s-OFDM BPSK	100	0	/	22.58	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.21	/	24.50
		1	53	/	23.18	/	24.50
		1	104	/	23.39	/	24.50
	DFT-s-OFDM QPSK	50	0	/	23.32	/	24.50
		50	28	/	22.96	/	24.50
		50	56	/	23.21	/	24.50
	DFT-s-OFDM QPSK	100	0	/	22.76	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.48	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.73	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	19.85	/	20.00
	CP-OFDM QPSK	1	1	/	21.81	/	23.00
	CP-OFDM 16QAM	1	1	/	21.66	/	22.50
	CP-OFDM 64QAM	1	1	/	20.92	/	21.00
	CP-OFDM 256QAM	1	1	/	17.62	/	18.00

8.3.4 NR Band30 Output Power

N30-ANT0 power(UL-CA)

Bandwidth (MHz)	Modulation	Channel		461500	462000	462500	Tune-up power(dB)
		RB Size	RB offset	2307.5	2310	2312.5	
5	DFT-s-OFDM BPSK	1	1	22.20	22.18	22.02	23.50
Bandwidth (MHz)	Modulation	Channel		/	462000	/	Tune-up power(dB)
		RB Size	RB offset	/	2310	/	
10	DFT-s-OFDM BPSK	1	1	/	22.23	/	23.50
		1	53	/	22.22	/	23.50
		1	104	/	22.16	/	23.50
	DFT-s-OFDM BPSK	50	0	/	22.12	/	23.50
		50	28	/	22.31	/	23.50
		50	56	/	22.12	/	23.50
	DFT-s-OFDM BPSK	100	0	/	22.40	/	23.50
	DFT-s-OFDM QPSK	1	1	/	22.24	/	23.50
		1	53	/	22.12	/	23.50
		1	104	/	22.42	/	23.50
	DFT-s-OFDM QPSK	50	0	/	22.37	/	23.50
		50	28	/	22.01	/	23.50
		50	56	/	22.25	/	23.50
	DFT-s-OFDM QPSK	100	0	/	22.58	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.22	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.75	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	19.90	/	20.00
	CP-OFDM QPSK	1	1	/	21.79	/	23.00
	CP-OFDM 16QAM	1	1	/	21.64	/	22.50
	CP-OFDM 64QAM	1	1	/	20.88	/	21.00
	CP-OFDM 256QAM	1	1	/	17.61	/	18.00

8.3.5 NR Band66 Output Power

N66-ANT0 Full power

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	21.19	21.06	21.15	22.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	21.11	21.00	21.10	22.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	21.06	21.05	21.15	22.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.17	21.16	21.26	22.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.21	21.05	21.00	22.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.12	21.26	21.23	22.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.05	21.15	21.06	22.00
		1	108	21.20	21.02	21.16	22.00
		1	214	21.15	21.07	21.04	22.00
	DFT-s-OFDM BPSK	108	0	21.21	21.15	21.10	22.00
		108	54	21.17	21.23	21.25	22.00
		108	108	21.16	21.24	21.21	22.00
	DFT-s-OFDM BPSK	216	0	21.07	21.11	21.01	22.00
		1	1	21.18	21.08	21.23	22.00
		1	108	21.06	21.00	21.08	22.00
	DFT-s-OFDM QPSK	1	214	21.25	21.05	21.19	22.00
		108	0	21.11	21.24	21.23	22.00
		108	54	21.22	21.25	21.02	22.00
	DFT-s-OFDM QPSK	108	108	21.08	21.18	21.13	22.00
		216	0	21.02	21.23	21.09	22.00
		1	1	21.19	21.15	21.26	22.00
	DFT-s-OFDM 16QAM	1	1	21.25	21.13	21.14	22.00
	DFT-s-OFDM 64QAM	1	1	19.61	19.67	19.52	21.00
	DFT-s-OFDM 256QAM	1	1	21.01	21.06	21.12	22.00
	CP-OFDM QPSK	1	1	21.02	21.09	21.06	22.00
	CP-OFDM 16QAM	1	1	20.57	20.58	20.58	22.00
	CP-OFDM 64QAM	1	1	17.75	17.59	17.66	18.50
	CP-OFDM 256QAM	1	1				

8.3.5 NR Band66 Output Power

N66-ANT0 power(UL-CA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	21.19	21.06	21.15	22.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	21.11	21.00	21.10	22.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	21.06	21.05	21.15	22.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.17	21.16	21.26	22.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.21	21.05	21.00	22.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.12	21.26	21.23	22.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.05	21.15	21.06	22.00
		1	108	21.20	21.02	21.16	22.00
		1	214	21.15	21.07	21.04	22.00
	DFT-s-OFDM BPSK	108	0	21.21	21.15	21.10	22.00
		108	54	21.17	21.23	21.25	22.00
		108	108	21.16	21.24	21.21	22.00
	DFT-s-OFDM BPSK	216	0	21.07	21.11	21.01	22.00
		1	1	21.18	21.08	21.23	22.00
		1	108	21.06	21.00	21.08	22.00
	DFT-s-OFDM QPSK	1	214	21.25	21.05	21.19	22.00
		108	0	21.11	21.24	21.23	22.00
		108	54	21.22	21.25	21.02	22.00
	DFT-s-OFDM QPSK	108	108	21.08	21.18	21.13	22.00
		216	0	21.02	21.23	21.09	22.00
		1	1	21.19	21.15	21.26	22.00
	DFT-s-OFDM 16QAM	1	1	21.25	21.13	21.14	22.00
	DFT-s-OFDM 64QAM	1	1	19.61	19.67	19.52	21.00
	DFT-s-OFDM 256QAM	1	1	21.01	21.06	21.12	22.00
	CP-OFDM QPSK	1	1	21.02	21.09	21.06	22.00
	CP-OFDM 16QAM	1	1	20.57	20.58	20.58	22.00
	CP-OFDM 64QAM	1	1	17.75	17.59	17.66	18.50
	CP-OFDM 256QAM	1	1	17.75	17.59	17.66	18.50

8.3.5 NR Band66 Output Power

N66-ANT0 power(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	21.19	21.06	21.15	22.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	21.11	21.00	21.10	22.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	21.06	21.05	21.15	22.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.17	21.16	21.26	22.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.21	21.05	21.00	22.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.12	21.26	21.23	22.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.05	21.15	21.06	22.00
		1	108	21.20	21.02	21.16	22.00
		1	214	21.15	21.07	21.04	22.00
	DFT-s-OFDM BPSK	108	0	21.21	21.15	21.10	22.00
		108	54	21.17	21.23	21.25	22.00
		108	108	21.16	21.24	21.21	22.00
	DFT-s-OFDM BPSK	216	0	21.07	21.11	21.01	22.00
		1	1	21.18	21.08	21.23	22.00
		1	108	21.06	21.00	21.08	22.00
	DFT-s-OFDM QPSK	1	214	21.25	21.05	21.19	22.00
		108	0	21.11	21.24	21.23	22.00
		108	54	21.22	21.25	21.02	22.00
	DFT-s-OFDM QPSK	108	108	21.08	21.18	21.13	22.00
		216	0	21.02	21.23	21.09	22.00
		1	1	21.19	21.15	21.26	22.00
	DFT-s-OFDM 16QAM	1	1	21.25	21.13	21.14	22.00
	DFT-s-OFDM 64QAM	1	1	19.61	19.67	19.52	21.00
	DFT-s-OFDM 256QAM	1	1	21.01	21.06	21.12	22.00
	CP-OFDM QPSK	1	1	21.02	21.09	21.06	22.00
	CP-OFDM 16QAM	1	1	20.57	20.58	20.58	22.00
	CP-OFDM 64QAM	1	1	17.75	17.59	17.66	18.50
	CP-OFDM 256QAM	1	1				

8.3.5 NR Band66 Output Power

N66-ANT1 Full power

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	21.52	21.66	21.43	22.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	21.60	21.72	21.45	22.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	21.30	21.78	21.48	22.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.31	21.56	21.43	22.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.56	21.50	21.35	22.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.26	21.39	21.01	22.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.47	21.57	21.36	22.00
		1	108	21.45	21.50	21.50	22.00
		1	214	21.43	21.33	21.29	22.00
	DFT-s-OFDM BPSK	108	0	21.48	21.43	21.60	22.00
		108	54	21.41	21.54	21.34	22.00
		108	108	21.60	21.51	21.50	22.00
	DFT-s-OFDM BPSK	216	0	21.45	21.55	21.74	22.00
		1	1	21.48	21.62	21.61	22.00
		1	108	21.31	21.60	21.64	22.00
	DFT-s-OFDM QPSK	1	214	21.30	21.24	21.30	22.00
		108	0	21.67	21.37	21.38	22.00
		108	54	21.16	21.32	21.51	22.00
	DFT-s-OFDM QPSK	108	108	21.81	21.22	21.41	22.00
		216	0	20.21	20.65	20.81	22.00
		1	1	21.41	21.62	21.60	22.00
	DFT-s-OFDM 16QAM	1	1	20.24	20.26	20.29	20.50
	DFT-s-OFDM 64QAM	1	1	18.34	18.21	18.11	18.50
	DFT-s-OFDM 256QAM	1	1	21.45	21.34	21.29	21.50
	CP-OFDM QPSK	1	1	20.77	20.74	20.80	21.00
	CP-OFDM 16QAM	1	1	19.36	19.13	19.46	19.50
	CP-OFDM 64QAM	1	1	16.39	16.21	16.33	16.50
	CP-OFDM 256QAM	1	1				

8.3.5 NR Band66 Output Power

N66-ANT1 power(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	21.52	21.66	21.43	22.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	21.60	21.72	21.45	22.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	21.30	21.78	21.48	22.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.31	21.56	21.43	22.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.56	21.50	21.35	22.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.26	21.39	21.01	22.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.47	21.57	21.36	22.00
		1	108	21.45	21.50	21.50	22.00
		1	214	21.43	21.33	21.29	22.00
	DFT-s-OFDM BPSK	108	0	21.48	21.43	21.60	22.00
		108	54	21.41	21.54	21.34	22.00
		108	108	21.60	21.51	21.50	22.00
	DFT-s-OFDM BPSK	216	0	21.45	21.55	21.74	22.00
		1	1	21.48	21.62	21.61	22.00
		1	108	21.31	21.60	21.64	22.00
	DFT-s-OFDM QPSK	1	214	21.30	21.24	21.30	22.00
		108	0	21.67	21.37	21.38	22.00
		108	54	21.16	21.32	21.51	22.00
	DFT-s-OFDM QPSK	108	108	21.81	21.22	21.41	22.00
		216	0	20.21	20.65	20.81	22.00
		1	1	21.41	21.62	21.60	22.00
	DFT-s-OFDM 16QAM	1	1	20.24	20.26	20.29	20.50
	DFT-s-OFDM 64QAM	1	1	18.34	18.21	18.11	18.50
	DFT-s-OFDM 256QAM	1	1	21.45	21.34	21.29	21.50
	CP-OFDM QPSK	1	1	20.77	20.74	20.80	21.00
	CP-OFDM 16QAM	1	1	19.36	19.13	19.46	19.50
	CP-OFDM 64QAM	1	1	16.39	16.21	16.33	16.50
	CP-OFDM 256QAM	1	1				

8.3.6 NR Band48 Output Power

N48-ANT0 Full power

Bandwidth (MHz)	Modulation	Channel		63700	641666	646332	Tune-up power(dB)
		RB Size	RB offset	3555	3624.99	3694.98	
10	DFT-s-OFDM BPSK	1	1	22.01	21.96	22.12	23.00
Bandwidth (MHz)	Modulation	Channel		637168	641666	646166	Tune-up power(dB)
		RB Size	RB offset	3557.52	3624.99	3692.49	
15	DFT-s-OFDM BPSK	1	1	22.18	22.46	22.35	23.00
Bandwidth (MHz)	Modulation	Channel		637334	641666	646000	Tune-up power(dB)
		RB Size	RB offset	3560.01	3624.99	3690	
20	DFT-s-OFDM BPSK	1	1	22.14	22.29	22.01	23.00
Bandwidth (MHz)	Modulation	Channel		637668	641666	645666	Tune-up power(dB)
		RB Size	RB offset	3565.02	3624.99	3684.99	
30	DFT-s-OFDM BPSK	1	1	22.19	22.48	21.96	23.00
Bandwidth (MHz)	Modulation	Channel		638000	641666	645332	Tune-up power(dB)
		RB Size	RB offset	3570	3624.99	3679.98	
40	DFT-s-OFDM BPSK	1	1	22.47	22.18	22.34	23.00
Bandwidth (MHz)	Modulation	Channel		638334	641666	645000	Tune-up power(dB)
		RB Size	RB offset	3575.01	3624.99	3675	
50	DFT-s-OFDM BPSK	1	1	22.38	22.39	22.43	23.00
Bandwidth (MHz)	Modulation	Channel		638668	641666	644666	Tune-up power(dB)
		RB Size	RB offset	3580.02	3624.99	3669.99	
60	DFT-s-OFDM BPSK	1	1	22.29	22.39	22.05	23.00
Bandwidth (MHz)	Modulation	Channel		639334	641666	644000	Tune-up power(dB)
		RB Size	RB offset	3590.01	3624.99	3660	
80	DFT-s-OFDM BPSK	1	1	22.19	22.43	22.17	23.00
Bandwidth (MHz)	Modulation	Channel		639668	641666	643666	Tune-up power(dB)
		RB Size	RB offset	3595.02	3624.99	3654.99	
90	DFT-s-OFDM BPSK	1	1	22.32	22.18	22.06	23.00
Bandwidth (MHz)	Modulation	Channel		640000	641666	643332	Tune-up power(dB)
		RB Size	RB offset	3600	3624.99	3649.98	
100	DFT-s-OFDM BPSK	1	1	22.30	22.28	22.25	23.00
		1	137	22.15	22.16	22.24	23.00
		1	271	22.28	22.28	22.31	23.00
	DFT-s-OFDM BPSK	135	0	22.48	22.32	22.38	23.00
		135	69	22.16	22.26	22.22	23.00
		135	138	22.24	22.27	22.13	23.00
	DFT-s-OFDM BPSK	270	0	21.59	21.52	21.70	22.50
	DFT-s-OFDM QPSK	1	1	22.11	22.30	22.07	23.00
		1	137	22.18	22.25	22.21	23.00
		1	271	22.18	22.23	22.40	23.00
	DFT-s-OFDM QPSK	135	0	22.56	22.18	22.51	23.00
		135	69	22.08	22.24	22.07	23.00
		135	138	22.07	22.28	21.93	23.00
	DFT-s-OFDM QPSK	270	0	21.46	21.48	21.81	22.50
	DFT-s-OFDM 16QAM	1	1	20.74	20.71	20.81	22.00
	DFT-s-OFDM 64QAM	1	1	19.13	19.23	19.39	20.50
	DFT-s-OFDM 256QAM	1	1	17.79	17.75	17.67	19.00
	CP-OFDM QPSK	1	1	21.07	20.95	20.80	21.50
	CP-OFDM 16QAM	1	1	19.54	19.52	19.68	21.00
	CP-OFDM 64QAM	1	1	18.18	18.05	18.12	20.00
	CP-OFDM 256QAM	1	1	15.78	15.65	15.57	17.00

8.3.6 NR Band48 Output Power

N48-ANT1 Full power

Bandwidth (MHz)	Modulation	Channel		63700	641666	646332	Tune-up power(dB)
		RB Size	RB offset	3555	3624.99	3694.98	
10	DFT-s-OFDM BPSK	1	1	22.55	22.82	22.70	23.00
Bandwidth (MHz)	Modulation	Channel		637168	641666	646166	Tune-up power(dB)
		RB Size	RB offset	3557.52	3624.99	3692.49	
15	DFT-s-OFDM BPSK	1	1	22.74	22.65	22.77	23.00
Bandwidth (MHz)	Modulation	Channel		637334	641666	646000	Tune-up power(dB)
		RB Size	RB offset	3560.01	3624.99	3690	
20	DFT-s-OFDM BPSK	1	1	22.73	22.94	22.42	23.00
Bandwidth (MHz)	Modulation	Channel		637668	641666	645666	Tune-up power(dB)
		RB Size	RB offset	3565.02	3624.99	3684.99	
30	DFT-s-OFDM BPSK	1	1	22.45	22.92	22.62	23.00
Bandwidth (MHz)	Modulation	Channel		638000	641666	645332	Tune-up power(dB)
		RB Size	RB offset	3570	3624.99	3679.98	
40	DFT-s-OFDM BPSK	1	1	22.36	22.44	22.65	23.00
Bandwidth (MHz)	Modulation	Channel		638334	641666	645000	Tune-up power(dB)
		RB Size	RB offset	3575.01	3624.99	3675	
50	DFT-s-OFDM BPSK	1	1	22.41	22.55	22.55	23.00
Bandwidth (MHz)	Modulation	Channel		638668	641666	644666	Tune-up power(dB)
		RB Size	RB offset	3580.02	3624.99	3669.99	
60	DFT-s-OFDM BPSK	1	1	22.43	22.68	22.62	23.00
Bandwidth (MHz)	Modulation	Channel		639334	641666	644000	Tune-up power(dB)
		RB Size	RB offset	3590.01	3624.99	3660	
80	DFT-s-OFDM BPSK	1	1	22.53	22.68	22.53	23.00
Bandwidth (MHz)	Modulation	Channel		639668	641666	643666	Tune-up power(dB)
		RB Size	RB offset	3595.02	3624.99	3654.99	
90	DFT-s-OFDM BPSK	1	1	22.47	22.55	22.79	23.00
Bandwidth (MHz)	Modulation	Channel		640000	641666	643332	Tune-up power(dB)
		RB Size	RB offset	3600	3624.99	3649.98	
100	DFT-s-OFDM BPSK	1	1	22.54	22.63	22.60	23.00
		1	137	22.65	22.79	22.62	23.00
		1	271	22.31	22.18	22.53	23.00
	DFT-s-OFDM BPSK	135	0	22.28	22.31	22.28	23.00
		135	69	22.76	22.84	22.95	23.00
		135	138	22.00	22.16	22.34	23.00
	DFT-s-OFDM BPSK	270	0	22.27	22.25	22.17	22.50
	DFT-s-OFDM QPSK	1	1	22.55	22.93	22.51	23.00
		1	137	22.50	22.89	22.70	23.00
		1	271	22.34	21.99	22.48	23.00
	DFT-s-OFDM QPSK	135	0	22.39	22.15	22.16	23.00
		135	69	22.75	22.85	22.84	23.00
		135	138	22.17	22.20	22.18	23.00
	DFT-s-OFDM QPSK	270	0	22.46	22.15	22.28	22.50
	DFT-s-OFDM 16QAM	1	1	21.73	21.88	21.87	22.00
	DFT-s-OFDM 64QAM	1	1	20.49	20.30	20.32	20.50
	DFT-s-OFDM 256QAM	1	1	18.47	18.53	18.61	19.00
	CP-OFDM QPSK	1	1	21.05	21.14	21.13	21.50
	CP-OFDM 16QAM	1	1	20.76	20.68	20.48	21.00
	CP-OFDM 64QAM	1	1	19.70	19.54	19.49	20.00
	CP-OFDM 256QAM	1	1	16.74	16.54	16.73	17.00

8.3.7 NR Band77 Output Power

N77-ANT0 Full power-PC2

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	25.08	25.00	25.14	26.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	25.19	25.14	25.07	26.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	25.10	24.52	25.06	26.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	24.94	24.57	24.90	26.00
Bandwidth (MHz)	Modulation	Channel		63100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.97	24.65	25.23	26.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.07	24.81	25.20	26.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	25.05	24.60	24.92	26.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	25.13	24.80	25.22	26.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	25.08	24.49	25.15	26.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.99	24.61	24.92	26.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.97	24.81	25.07	26.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	25.15	/	26.00
		1	137	/	25.33	/	26.00
		1	271	/	25.07	/	26.00
	DFT-s-OFDM BPSK	135	0	/	24.59	/	26.00
		135	69	/	24.83	/	26.00
		135	138	/	24.42	/	26.00
	DFT-s-OFDM BPSK	270	0	/	24.19	/	25.00
	DFT-s-OFDM QPSK	1	1	/	24.65	/	26.00
		1	137	/	25.34	/	26.00
		1	271	/	25.13	/	26.00
	DFT-s-OFDM QPSK	135	0	/	24.75	/	26.00
		135	69	/	24.60	/	26.00
		135	138	/	24.37	/	26.00
	DFT-s-OFDM QPSK	270	0	/	24.13	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	23.54	/	25.00
	DFT-s-OFDM 64QAM	1	1	/	22.13	/	23.50
	DFT-s-OFDM 256QAM	1	1	/	19.67	/	21.50
	CP-OFDM QPSK	1	1	/	22.59	/	24.50
	CP-OFDM 16QAM	1	1	/	22.23	/	24.00
	CP-OFDM 64QAM	1	1	/	20.83	/	22.50
	CP-OFDM 256QAM	1	1	/	18.56	/	19.50

8.3.7 NR Band77 Output Power

N77-ANT0 power-PC2(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	25.08	25.00	25.14	26.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	25.19	25.14	25.07	26.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	25.10	24.52	25.06	26.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	24.94	24.57	24.90	26.00
Bandwidth (MHz)	Modulation	Channel		63100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.97	24.65	25.23	26.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.07	24.81	25.20	26.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	25.05	24.60	24.92	26.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	25.13	24.80	25.22	26.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	25.08	24.49	25.15	26.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.99	24.61	24.92	26.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.97	24.81	25.07	26.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	25.15	/	26.00
		1	137	/	25.33	/	26.00
		1	271	/	25.07	/	26.00
	DFT-s-OFDM BPSK	135	0	/	24.59	/	26.00
		135	69	/	24.83	/	26.00
		135	138	/	24.42	/	26.00
	DFT-s-OFDM BPSK	270	0	/	24.19	/	25.00
	DFT-s-OFDM QPSK	1	1	/	24.65	/	26.00
		1	137	/	25.34	/	26.00
		1	271	/	25.13	/	26.00
	DFT-s-OFDM QPSK	135	0	/	24.75	/	26.00
		135	69	/	24.60	/	26.00
		135	138	/	24.37	/	26.00
	DFT-s-OFDM QPSK	270	0	/	24.13	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	23.54	/	25.00
	DFT-s-OFDM 64QAM	1	1	/	22.13	/	23.50
	DFT-s-OFDM 256QAM	1	1	/	19.67	/	21.50
	CP-OFDM QPSK	1	1	/	22.59	/	24.50
	CP-OFDM 16QAM	1	1	/	22.23	/	24.00
	CP-OFDM 64QAM	1	1	/	20.83	/	22.50
	CP-OFDM 256QAM	1	1	/	18.56	/	19.50

8.3.7 NR Band77 Output Power

N77-ANT0 Full power-PC2

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	24.54	25.82	24.47	26.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	24.58	25.71	24.43	26.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	24.87	24.19	24.39	26.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	25.07	25.10	25.18	26.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	24.93	24.10	24.59	26.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	24.69	24.03	24.44	26.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	25.01	24.21	24.62	26.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.67	24.78	24.67	26.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	24.75	24.28	24.41	26.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.00	24.22	24.42	26.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	24.90	24.05	24.72	26.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	24.69	25.68	24.56	26.00
		1	137	24.58	25.62	24.25	26.00
		1	271	24.73	25.62	24.91	26.00
	DFT-s-OFDM BPSK	135	0	25.05	25.10	25.26	26.00
		135	69	25.19	25.37	25.18	26.00
		135	138	25.00	24.96	25.08	26.00
	DFT-s-OFDM BPSK	270	0	24.72	24.73	24.58	25.00
		1	1	24.86	24.16	24.52	26.00
		1	137	24.54	25.87	24.09	26.00
	DFT-s-OFDM QPSK	1	271	24.39	25.77	24.35	26.00
		135	0	25.03	25.27	25.16	26.00
		135	69	25.38	24.05	25.08	26.00
	DFT-s-OFDM QPSK	135	138	24.90	25.01	25.06	26.00
		270	0	24.92	24.57	24.76	25.00
		1	1	23.07	23.02	23.03	25.00
	DFT-s-OFDM 16QAM	1	1	23.07	23.02	23.03	25.00
	DFT-s-OFDM 64QAM	1	1	21.87	21.58	21.94	23.50
	DFT-s-OFDM 256QAM	1	1	20.14	20.15	20.22	21.50
	CP-OFDM QPSK	1	1	22.60	22.72	22.79	24.50
	CP-OFDM 16QAM	1	1	22.27	22.30	22.34	24.00
	CP-OFDM 64QAM	1	1	21.36	21.33	21.30	22.50
	CP-OFDM 256QAM	1	1	19.05	19.03	19.09	19.50

8.3.7 NR Band77 Output Power

N77-ANT0 power-PC2(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	24.54	25.82	24.47	26.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	24.58	25.71	24.43	26.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	24.87	24.19	24.39	26.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	25.07	25.10	25.18	26.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	24.93	24.10	24.59	26.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	24.69	24.03	24.44	26.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	25.01	24.21	24.62	26.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.67	24.78	24.67	26.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	24.75	24.28	24.41	26.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.00	24.22	24.42	26.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	24.90	24.05	24.72	26.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	24.69	25.68	24.56	26.00
		1	137	24.58	25.62	24.25	26.00
		1	271	24.73	25.62	24.91	26.00
	DFT-s-OFDM BPSK	135	0	25.05	25.10	25.26	26.00
		135	69	25.19	25.37	25.18	26.00
		135	138	25.00	24.96	25.08	26.00
	DFT-s-OFDM BPSK	270	0	24.72	24.73	24.58	25.00
		1	1	24.86	24.16	24.52	26.00
		1	137	24.54	25.87	24.09	26.00
	DFT-s-OFDM QPSK	1	271	24.39	25.77	24.35	26.00
		135	0	25.03	25.27	25.16	26.00
		135	69	25.38	24.05	25.08	26.00
	DFT-s-OFDM QPSK	135	138	24.90	25.01	25.06	26.00
		270	0	24.92	24.57	24.76	25.00
		1	1	23.07	23.02	23.03	25.00
	DFT-s-OFDM 16QAM	1	1	23.07	23.02	23.03	25.00
	DFT-s-OFDM 64QAM	1	1	21.87	21.58	21.94	23.50
	DFT-s-OFDM 256QAM	1	1	20.14	20.15	20.22	21.50
	CP-OFDM QPSK	1	1	22.60	22.72	22.79	24.50
	CP-OFDM 16QAM	1	1	22.27	22.30	22.34	24.00
	CP-OFDM 64QAM	1	1	21.36	21.33	21.30	22.50
	CP-OFDM 256QAM	1	1	19.05	19.03	19.09	19.50

8.3.7 NR Band77 Output Power

N77-ANT0 Full power-PC3

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.60	23.72	23.72	24.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.47	23.59	23.54	24.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.53	22.82	23.67	24.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	23.65	23.17	23.49	24.00
Bandwidth (MHz)	Modulation	Channel		631100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.58	22.74	23.40	24.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.43	22.69	23.61	24.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.49	23.01	23.69	24.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.75	22.98	23.45	24.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	23.60	22.71	23.45	24.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.60	22.68	23.47	24.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.63	22.91	23.53	24.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.54	/	24.00
		1	137	/	23.49	/	24.00
		1	271	/	23.00	/	24.00
	DFT-s-OFDM BPSK	135	0	/	23.35	/	24.00
		135	69	/	23.40	/	24.00
		135	138	/	22.55	/	24.00
	DFT-s-OFDM BPSK	270	0	/	22.78	/	23.00
		1	1	/	22.81	/	24.00
		1	137	/	23.35	/	24.00
	DFT-s-OFDM QPSK	1	271	/	23.13	/	24.00
		135	0	/	23.32	/	24.00
		135	69	/	22.33	/	24.00
	DFT-s-OFDM QPSK	135	138	/	22.61	/	24.00
		270	0	/	22.62	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.95	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.67	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.28	/	19.50
	CP-OFDM QPSK	1	1	/	21.28	/	22.50
	CP-OFDM 16QAM	1	1	/	20.87	/	22.00
	CP-OFDM 64QAM	1	1	/	20.28	/	20.50
	CP-OFDM 256QAM	1	1	/	17.22	/	17.50

8.3.7 NR Band77 Output Power

N77-ANT0 power-PC3(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.60	23.72	23.72	24.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.47	23.59	23.54	24.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.53	22.82	23.67	24.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	23.65	23.17	23.49	24.00
Bandwidth (MHz)	Modulation	Channel		631100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.58	22.74	23.40	24.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.43	22.69	23.61	24.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.49	23.01	23.69	24.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.75	22.98	23.45	24.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	23.60	22.71	23.45	24.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.60	22.68	23.47	24.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.63	22.91	23.53	24.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.54	/	24.00
		1	137	/	23.49	/	24.00
		1	271	/	23.00	/	24.00
	DFT-s-OFDM BPSK	135	0	/	23.35	/	24.00
		135	69	/	23.40	/	24.00
		135	138	/	22.55	/	24.00
	DFT-s-OFDM BPSK	270	0	/	22.78	/	23.00
		1	1	/	22.81	/	24.00
		1	137	/	23.35	/	24.00
	DFT-s-OFDM QPSK	1	271	/	23.13	/	24.00
		135	0	/	23.32	/	24.00
		135	69	/	22.33	/	24.00
	DFT-s-OFDM QPSK	135	138	/	22.61	/	24.00
		270	0	/	22.62	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.95	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.67	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.28	/	19.50
	CP-OFDM QPSK	1	1	/	21.28	/	22.50
	CP-OFDM 16QAM	1	1	/	20.87	/	22.00
	CP-OFDM 64QAM	1	1	/	20.28	/	20.50
	CP-OFDM 256QAM	1	1	/	17.22	/	17.50

8.3.7 NR Band77 Output Power

N77-ANT0 power(UL-MIMO)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	22.12	22.16	22.26	23.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.95	22.07	21.98	23.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	22.05	21.30	22.20	23.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	22.09	21.61	22.05	23.00
Bandwidth (MHz)	Modulation	Channel		631100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	22.10	21.28	21.87	23.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.91	21.19	22.17	23.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	22.00	21.49	22.13	23.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	22.28	21.46	21.89	23.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	22.09	21.26	21.90	23.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	22.04	21.23	22.00	23.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	22.10	21.43	22.04	23.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.02	/	23.00
		1	137	/	22.04	/	23.00
		1	271	/	21.49	/	23.00
	DFT-s-OFDM BPSK	135	0	/	21.85	/	23.00
		135	69	/	21.87	/	23.00
		135	138	/	21.07	/	23.00
	DFT-s-OFDM BPSK	270	0	/	21.28	/	23.00
		1	1	/	21.28	/	23.00
		1	137	/	21.86	/	23.00
	DFT-s-OFDM QPSK	1	271	/	21.59	/	23.00
		135	0	/	21.79	/	23.00
		135	69	/	21.95	/	23.00
	DFT-s-OFDM QPSK	135	138	/	21.17	/	23.00
		270	0	/	21.09	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.93	/	23.00
		1	1	/	20.63	/	21.50
		1	1	/	19.31	/	19.50
	CP-OFDM 256QAM	1	1	/	21.28	/	22.50
		1	1	/	20.92	/	22.00
		1	1	/	20.33	/	20.50
	CP-OFDM 64QAM	1	1	/	17.22	/	17.50
		1	1	/	17.22	/	17.50

8.3.7 NR Band77 Output Power

N77-ANT0 Full power-PC3

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.23	23.37	23.83	24.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	23.19	23.41	23.71	24.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.01	23.06	23.69	24.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	22.79	22.57	22.87	24.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.02	23.13	23.86	24.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.07	22.75	23.63	24.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.91	22.99	23.88	24.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.95	22.74	23.59	24.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	22.88	23.09	23.95	24.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.02	22.94	23.76	24.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.96	23.07	23.82	24.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.04	23.39	23.70	24.00
		1	137	22.38	23.29	23.40	24.00
		1	271	22.33	23.52	22.98	24.00
	DFT-s-OFDM BPSK	135	0	22.82	22.68	22.86	24.00
		135	69	23.26	23.12	22.92	24.00
		135	138	22.58	22.78	22.93	24.00
	DFT-s-OFDM BPSK	270	0	22.48	22.55	22.53	23.00
		1	1	23.01	22.94	23.78	24.00
		1	137	22.44	23.40	23.50	24.00
	DFT-s-OFDM QPSK	1	271	22.45	23.50	22.90	24.00
		135	0	22.88	22.77	22.99	24.00
		135	69	23.08	22.93	22.91	24.00
	DFT-s-OFDM QPSK	135	138	22.56	22.73	22.82	24.00
		270	0	22.42	22.50	22.68	23.00
	DFT-s-OFDM 16QAM	1	1	21.43	21.35	21.20	23.00
	DFT-s-OFDM 64QAM	1	1	19.61	19.53	19.63	21.50
	DFT-s-OFDM 256QAM	1	1	17.99	18.06	18.03	19.50
	CP-OFDM QPSK	1	1	20.79	20.82	20.93	22.50
	CP-OFDM 16QAM	1	1	20.37	20.32	20.23	22.00
	CP-OFDM 64QAM	1	1	19.19	19.39	19.52	20.50
	CP-OFDM 256QAM	1	1	17.11	17.03	17.09	17.50

8.3.7 NR Band77 Output Power

N77-ANT0 power-PC3(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.23	23.37	23.83	24.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	23.19	23.41	23.71	24.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.01	23.06	23.69	24.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	22.79	22.57	22.87	24.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.02	23.13	23.86	24.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.07	22.75	23.63	24.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.91	22.99	23.88	24.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.95	22.74	23.59	24.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	22.88	23.09	23.95	24.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.02	22.94	23.76	24.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.96	23.07	23.82	24.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.04	23.39	23.70	24.00
		1	137	22.38	23.29	23.40	24.00
		1	271	22.33	23.52	22.98	24.00
	DFT-s-OFDM BPSK	135	0	22.82	22.68	22.86	24.00
		135	69	23.26	23.12	22.92	24.00
		135	138	22.58	22.78	22.93	24.00
	DFT-s-OFDM BPSK	270	0	22.48	22.55	22.53	23.00
		1	1	23.01	22.94	23.78	24.00
		1	137	22.44	23.40	23.50	24.00
	DFT-s-OFDM QPSK	1	271	22.45	23.50	22.90	24.00
		135	0	22.88	22.77	22.99	24.00
		135	69	23.08	22.93	22.91	24.00
	DFT-s-OFDM QPSK	135	138	22.56	22.73	22.82	24.00
		270	0	22.42	22.50	22.68	23.00
	DFT-s-OFDM 16QAM	1	1	21.43	21.35	21.20	23.00
	DFT-s-OFDM 64QAM	1	1	19.61	19.53	19.63	21.50
	DFT-s-OFDM 256QAM	1	1	17.99	18.06	18.03	19.50
	CP-OFDM QPSK	1	1	20.79	20.82	20.93	22.50
	CP-OFDM 16QAM	1	1	20.37	20.32	20.23	22.00
	CP-OFDM 64QAM	1	1	19.19	19.39	19.52	20.50
	CP-OFDM 256QAM	1	1	17.11	17.03	17.09	17.50

8.3.7 NR Band77 Output Power

N77-ANT0 power(UL-MIMO)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	21.70	21.81	22.39	23.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	21.74	21.86	22.17	23.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	21.49	21.50	22.18	23.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	21.34	21.04	21.31	23.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	21.47	21.64	22.42	23.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	21.62	21.21	22.14	23.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	21.38	21.50	22.44	23.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.45	21.26	22.06	23.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	21.37	21.55	22.49	23.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.48	21.45	22.31	23.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	21.44	21.56	22.27	23.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.53	21.89	22.20	23.00
		1	137	21.12	21.77	21.91	23.00
		1	271	21.09	21.96	21.43	23.00
	DFT-s-OFDM BPSK	135	0	21.32	21.16	21.31	23.00
		135	69	21.70	21.68	21.47	23.00
		135	138	21.05	21.22	21.49	23.00
	DFT-s-OFDM BPSK	270	0	21.04	21.07	21.18	23.00
		1	1	21.48	21.48	22.26	23.00
		1	137	21.18	21.91	22.06	23.00
	DFT-s-OFDM QPSK	1	271	21.18	22.02	21.39	23.00
		135	0	21.37	21.26	21.50	23.00
		135	69	21.53	21.49	21.40	23.00
		135	138	21.01	21.18	21.31	23.00
	DFT-s-OFDM QPSK	270	0	21.86	21.98	22.14	23.00
	DFT-s-OFDM 16QAM	1	1	21.09	21.13	21.16	23.00
	DFT-s-OFDM 64QAM	1	1	19.59	19.52	19.61	21.50
	DFT-s-OFDM 256QAM	1	1	18.01	18.12	18.05	19.50
	CP-OFDM QPSK	1	1	20.79	20.77	20.91	22.50
	CP-OFDM 16QAM	1	1	20.36	20.36	20.20	22.00
	CP-OFDM 64QAM	1	1	19.19	19.45	19.57	20.50
	CP-OFDM 256QAM	1	1	17.09	17.07	17.03	17.50

8.3.7 NR Band77 Output Power

N77-ANT1 Full power-PC2

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	25.23	25.44	25.03	26.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	24.94	25.34	24.75	26.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	25.25	24.69	24.94	26.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	25.00	25.54	25.30	26.00
Bandwidth (MHz)	Modulation	Channel		63100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.80	24.57	25.36	26.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.78	24.67	25.12	26.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	25.19	24.75	24.80	26.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	25.13	24.44	24.95	26.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	25.00	24.56	25.07	26.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	25.24	24.80	25.22	26.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.88	24.43	25.20	26.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	25.61	/	26.00
		1	137	/	25.49	/	26.00
		1	271	/	25.80	/	26.00
	DFT-s-OFDM BPSK	135	0	/	25.34	/	26.00
		135	69	/	25.61	/	26.00
		135	138	/	25.53	/	26.00
	DFT-s-OFDM BPSK	270	0	/	24.85	/	25.00
		1	1	/	25.37	/	26.00
		1	137	/	25.56	/	26.00
	DFT-s-OFDM QPSK	1	271	/	25.85	/	26.00
		135	0	/	25.38	/	26.00
		135	69	/	24.69	/	26.00
	DFT-s-OFDM QPSK	135	138	/	25.56	/	26.00
		270	0	/	24.78	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	24.49	/	25.00
		1	1	/	22.15	/	23.50
		1	1	/	20.06	/	21.50
	CP-OFDM 256QAM	1	1	/	22.76	/	24.50
		1	1	/	22.53	/	24.00
		1	1	/	21.31	/	22.50
	CP-OFDM 64QAM	1	1	/	18.86	/	19.50
		1	1	/	18.86	/	19.50

8.3.7 NR Band77 Output Power

N77-ANT1 power-PC2(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.19	24.41	24.02	25.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	24.06	24.36	23.72	25.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.34	23.59	23.99	25.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	23.97	24.38	24.13	25.00
Bandwidth (MHz)	Modulation	Channel		63100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.88	23.39	24.28	25.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.77	23.65	24.33	25.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	24.22	23.87	23.70	25.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.15	23.62	24.10	25.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	24.31	23.40	23.96	25.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.11	23.73	24.01	25.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.80	23.50	24.22	25.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	24.40	/	25.00
		1	137	/	24.42	/	25.00
		1	271	/	24.65	/	25.00
	DFT-s-OFDM BPSK	135	0	/	24.17	/	25.00
		135	69	/	24.46	/	25.00
		135	138	/	24.55	/	25.00
	DFT-s-OFDM BPSK	270	0	/	24.20	/	25.00
		1	1	/	24.46	/	25.00
		1	137	/	24.69	/	25.00
	DFT-s-OFDM QPSK	1	271	/	24.73	/	25.00
		135	0	/	24.18	/	25.00
		135	69	/	24.05	/	25.00
	DFT-s-OFDM QPSK	135	138	/	24.51	/	25.00
		270	0	/	24.08	/	25.00
		1	1	/	24.00	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	24.00	/	25.00
	DFT-s-OFDM 64QAM	1	1	/	22.19	/	23.50
	DFT-s-OFDM 256QAM	1	1	/	20.03	/	21.50
	CP-OFDM QPSK	1	1	/	22.71	/	24.50
	CP-OFDM 16QAM	1	1	/	22.48	/	24.00
	CP-OFDM 64QAM	1	1	/	21.30	/	22.50
	CP-OFDM 256QAM	1	1	/	18.83	/	19.50

8.3.7 NR Band77 Output Power

N77-ANT1 power-(UL-MIMO)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.16	23.37	23.00	25.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.01	23.34	23.02	25.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.35	23.03	23.01	25.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	23.01	23.43	23.13	25.00
Bandwidth (MHz)	Modulation	Channel		63100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.05	23.04	23.30	25.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.06	23.01	23.38	25.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.17	23.06	23.08	25.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.14	23.06	23.05	25.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	23.28	23.06	23.07	25.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.06	23.04	23.00	25.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.08	23.05	23.17	25.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.38	/	25.00
		1	137	/	23.46	/	25.00
		1	271	/	23.61	/	25.00
	DFT-s-OFDM BPSK	135	0	/	23.19	/	25.00
		135	69	/	23.42	/	25.00
		135	138	/	23.59	/	25.00
	DFT-s-OFDM BPSK	270	0	/	23.18	/	25.00
		1	1	/	23.42	/	25.00
	DFT-s-OFDM QPSK	1	137	/	23.67	/	25.00
		1	271	/	23.78	/	25.00
		135	0	/	23.13	/	25.00
	DFT-s-OFDM QPSK	135	69	/	23.05	/	25.00
		135	138	/	23.51	/	25.00
		270	0	/	23.05	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	23.02	/	25.00
	DFT-s-OFDM 64QAM	1	1	/	22.16	/	23.50
	DFT-s-OFDM 256QAM	1	1	/	20.04	/	21.50
	CP-OFDM QPSK	1	1	/	22.72	/	24.50
	CP-OFDM 16QAM	1	1	/	22.44	/	24.00
	CP-OFDM 64QAM	1	1	/	21.29	/	22.50
	CP-OFDM 256QAM	1	1	/	18.79	/	19.50

8.3.7 NR Band77 Output Power

N77-ANT1 Full power-PC2

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	25.59	25.42	25.33	26.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	25.55	25.56	25.36	26.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	24.49	24.69	24.17	26.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	25.48	25.46	25.23	26.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	24.70	24.31	24.38	26.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	24.65	24.57	24.50	26.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	24.94	24.33	24.57	26.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.87	24.78	24.44	26.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	24.58	24.46	24.43	26.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	24.28	24.60	24.53	26.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	24.50	24.65	24.20	26.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	25.58	25.67	25.61	26.00
		1	137	25.50	25.54	25.49	26.00
		1	271	25.65	25.68	25.62	26.00
	DFT-s-OFDM BPSK	135	0	25.24	25.32	25.23	26.00
		135	69	25.36	25.60	25.41	26.00
		135	138	25.56	25.29	25.48	26.00
	DFT-s-OFDM BPSK	270	0	24.83	24.82	24.75	25.00
		1	1	25.61	25.42	25.48	26.00
		1	137	25.54	25.57	25.51	26.00
	DFT-s-OFDM QPSK	1	271	25.87	25.78	25.52	26.00
		135	0	25.09	25.49	25.36	26.00
		135	69	24.33	24.67	24.61	26.00
		135	138	25.32	25.36	25.25	26.00
	DFT-s-OFDM QPSK	270	0	24.56	24.53	24.58	25.00
	DFT-s-OFDM 16QAM	1	1	24.37	24.57	24.68	25.00
	DFT-s-OFDM 64QAM	1	1	22.28	22.29	22.18	23.50
	DFT-s-OFDM 256QAM	1	1	20.13	20.06	20.10	21.50
	CP-OFDM QPSK	1	1	22.73	22.78	22.74	24.50
	CP-OFDM 16QAM	1	1	22.61	22.58	22.56	24.00
	CP-OFDM 64QAM	1	1	21.23	21.28	21.30	22.50
	CP-OFDM 256QAM	1	1	18.80	18.96	18.78	19.50

8.3.7 NR Band77 Output Power

N77-ANT1 power-PC2(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	24.39	24.37	24.40	25.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	24.69	24.53	24.46	25.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.63	23.62	23.44	25.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	24.48	24.48	24.14	25.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.64	23.18	23.38	25.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.61	23.60	23.46	25.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	23.98	23.47	23.50	25.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.73	23.68	23.33	25.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	23.56	23.58	23.52	25.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.18	23.60	23.52	25.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	23.52	23.70	23.22	25.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	24.40	24.69	24.48	25.00
		1	137	24.50	24.48	24.42	25.00
		1	271	24.50	24.35	24.58	25.00
	DFT-s-OFDM BPSK	135	0	24.40	24.49	24.34	25.00
		135	69	24.23	24.48	24.39	25.00
		135	138	24.45	24.08	24.62	25.00
	DFT-s-OFDM BPSK	270	0	24.36	23.97	24.23	25.00
		1	1	24.71	24.41	24.24	25.00
		1	137	24.44	24.62	24.60	25.00
	DFT-s-OFDM QPSK	1	271	24.85	24.75	24.65	25.00
		135	0	24.08	24.48	24.19	25.00
		135	69	23.77	24.28	24.10	25.00
		135	138	24.41	24.38	24.38	25.00
	DFT-s-OFDM QPSK	270	0	24.28	24.47	24.09	25.00
	DFT-s-OFDM 16QAM	1	1	23.68	24.25	24.24	25.00
	DFT-s-OFDM 64QAM	1	1	22.23	22.21	22.28	23.50
	DFT-s-OFDM 256QAM	1	1	20.22	20.10	20.09	21.50
	CP-OFDM QPSK	1	1	23.58	23.76	23.65	24.50
	CP-OFDM 16QAM	1	1	23.71	23.75	23.91	24.00
	CP-OFDM 64QAM	1	1	21.24	21.25	21.30	22.50
	CP-OFDM 256QAM	1	1	18.78	18.90	18.87	19.50

8.3.7 NR Band77 Output Power

N77-ANT1 power(UL-MIMO)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	24.39	24.37	24.40	25.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	24.69	24.53	24.46	25.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.63	23.62	23.44	25.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	24.48	24.48	24.14	25.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.64	23.18	23.38	25.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.61	23.60	23.46	25.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	23.98	23.47	23.50	25.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.73	23.68	23.33	25.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	23.56	23.58	23.52	25.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.18	23.60	23.52	25.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	23.52	23.70	23.22	25.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	24.40	24.69	24.48	25.00
		1	137	24.50	24.48	24.42	25.00
		1	271	24.50	24.35	24.58	25.00
	DFT-s-OFDM BPSK	135	0	24.40	24.49	24.34	25.00
		135	69	24.23	24.48	24.39	25.00
		135	138	24.45	24.08	24.62	25.00
	DFT-s-OFDM BPSK	270	0	24.36	23.97	24.23	25.00
		1	1	24.71	24.41	24.24	25.00
		1	137	24.44	24.62	24.60	25.00
	DFT-s-OFDM QPSK	1	271	24.85	24.75	24.65	25.00
		135	0	24.08	24.48	24.19	25.00
		135	69	23.77	24.28	24.10	25.00
	DFT-s-OFDM QPSK	135	138	24.41	24.38	24.38	25.00
		270	0	24.28	24.47	24.09	25.00
		1	1	23.68	24.25	24.24	25.00
	DFT-s-OFDM 16QAM	1	1	23.68	24.25	24.24	25.00
	DFT-s-OFDM 64QAM	1	1	22.23	22.21	22.28	23.50
	DFT-s-OFDM 256QAM	1	1	20.22	20.10	20.09	21.50
	CP-OFDM QPSK	1	1	23.58	23.76	23.65	24.50
	CP-OFDM 16QAM	1	1	23.71	23.75	23.91	24.00
	CP-OFDM 64QAM	1	1	21.24	21.25	21.30	22.50
	CP-OFDM 256QAM	1	1	18.78	18.90	18.87	19.50

8.3.7 NR Band77 Output Power

N77-ANT1 Full power-PC3

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.69	23.26	23.44	24.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.33	23.54	23.56	24.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.80	23.47	23.64	24.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	23.61	23.16	23.45	24.00
Bandwidth (MHz)	Modulation	Channel		631100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.60	23.51	23.52	24.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.47	23.11	23.18	24.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.48	23.48	23.21	24.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.33	23.09	23.67	24.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	23.52	23.36	23.37	24.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.40	23.42	23.27	24.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.65	23.09	23.70	24.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.60	/	24.00
		1	137	/	23.40	/	24.00
		1	271	/	23.46	/	24.00
	DFT-s-OFDM BPSK	135	0	/	23.45	/	24.00
		135	69	/	23.17	/	24.00
		135	138	/	23.16	/	24.00
	DFT-s-OFDM BPSK	270	0	/	22.72	/	23.00
		1	1	/	23.42	/	24.00
		1	137	/	23.11	/	24.00
	DFT-s-OFDM QPSK	1	271	/	23.16	/	24.00
		135	0	/	23.34	/	24.00
		135	69	/	23.32	/	24.00
	DFT-s-OFDM QPSK	135	138	/	23.38	/	24.00
		270	0	/	22.75	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.37	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.39	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.85	/	19.50
	CP-OFDM QPSK	1	1	/	21.48	/	22.50
	CP-OFDM 16QAM	1	1	/	20.82	/	22.00
	CP-OFDM 64QAM	1	1	/	20.14	/	20.50
	CP-OFDM 256QAM	1	1	/	17.23	/	17.50

8.3.7 NR Band77 Output Power

N77-ANT1 power-PC3(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	22.45	22.46	22.35	23.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	22.48	22.53	22.58	23.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	22.77	22.48	22.52	23.00
Bandwidth (MHz)	Modulation	Channel		346884	633334	635834	Tune-up power(dB)
		RB Size	RB offset	3462.51	3500.01	3537.51	
25	DFT-s-OFDM BPSK	1	1	22.53	22.33	22.48	23.00
Bandwidth (MHz)	Modulation	Channel		631100	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	22.53	22.45	22.64	23.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	22.34	22.22	22.06	23.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	22.55	22.41	22.32	23.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	22.54	22.13	22.76	23.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634333	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3510	
70	DFT-s-OFDM BPSK	1	1	22.48	22.24	22.54	23.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	22.42	22.20	22.54	23.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	22.50	22.22	22.68	23.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.30	/	23.00
		1	137	/	22.31	/	23.00
		1	271	/	22.52	/	23.00
	DFT-s-OFDM BPSK	135	0	/	22.42	/	23.00
		135	69	/	22.13	/	23.00
		135	138	/	22.23	/	23.00
	DFT-s-OFDM BPSK	270	0	/	22.35	/	23.00
		1	1	/	22.33	/	23.00
		1	137	/	22.29	/	23.00
	DFT-s-OFDM QPSK	1	271	/	21.94	/	23.00
		135	0	/	22.32	/	23.00
		135	69	/	22.27	/	23.00
	DFT-s-OFDM QPSK	135	138	/	22.46	/	23.00
		270	0	/	22.67	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.52	/	23.00
		1	1	/	19.73	/	21.50
		1	1	/	18.45	/	19.50
	CP-OFDM 256QAM	1	1	/	21.43	/	22.50
		1	1	/	20.75	/	22.00
		1	1	/	19.45	/	20.50
	CP-OFDM 64QAM	1	1	/	17.11	/	17.50
		1	1	/	17.11	/	17.50

8.3.7 NR Band77 Output Power

N77-ANT1 Full power-PC3

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.28	23.11	23.49	24.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	23.17	23.20	23.48	24.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.24	23.15	23.73	24.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	23.54	23.62	23.73	24.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.35	23.16	23.80	24.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	22.95	23.17	23.42	24.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	23.29	23.07	23.52	24.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.91	23.10	23.61	24.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	23.11	23.03	23.58	24.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.45	22.97	23.50	24.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	23.33	23.17	23.62	24.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.27	23.14	23.56	24.00
		1	137	23.26	23.33	23.40	24.00
		1	271	23.31	23.09	23.54	24.00
	DFT-s-OFDM BPSK	135	0	23.48	23.38	23.29	24.00
		135	69	23.47	23.35	23.46	24.00
		135	138	23.40	23.43	23.45	24.00
	DFT-s-OFDM BPSK	270	0	22.60	22.48	22.58	23.00
		1	1	23.13	23.10	23.44	24.00
		1	137	23.58	22.97	23.46	24.00
	DFT-s-OFDM QPSK	1	271	23.62	23.21	23.77	24.00
		135	0	23.51	23.39	23.46	24.00
		135	69	23.60	23.37	23.40	24.00
		135	138	23.40	23.46	23.42	24.00
	DFT-s-OFDM QPSK	270	0	22.81	22.92	22.72	23.00
	DFT-s-OFDM 16QAM	1	1	21.58	21.77	21.52	23.00
	DFT-s-OFDM 64QAM	1	1	20.44	20.80	20.65	21.50
	DFT-s-OFDM 256QAM	1	1	19.30	19.32	19.24	19.50
	CP-OFDM QPSK	1	1	21.26	21.22	21.19	22.50
	CP-OFDM 16QAM	1	1	20.75	20.50	20.17	22.00
	CP-OFDM 64QAM	1	1	19.94	20.07	20.12	20.50
	CP-OFDM 256QAM	1	1	17.08	17.10	17.17	17.50

8.3.7 NR Band77 Output Power

N77-ANT1 power-PC3(UL-CA&ENDC)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	22.40	22.21	22.39	23.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	22.33	22.26	22.54	23.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	22.44	22.18	22.54	23.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dB)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	22.50	22.65	22.45	23.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	22.25	22.02	22.64	23.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	22.00	22.14	22.38	23.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.13	22.22	22.36	23.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.05	22.14	22.51	23.00
Bandwidth (MHz)	Modulation	Channel		649001	656000	662999	Tune-up power(dB)
		RB Size	RB offset	3735.02	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	22.14	21.93	22.65	23.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	22.54	21.99	22.45	23.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.21	22.16	22.58	23.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	22.32	22.17	22.60	23.00
		1	137	22.23	22.32	22.38	23.00
		1	271	22.25	21.99	22.38	23.00
	DFT-s-OFDM BPSK	135	0	22.30	22.57	22.25	23.00
		135	69	22.44	22.44	22.45	23.00
		135	138	22.24	22.62	22.51	23.00
	DFT-s-OFDM BPSK	270	0	22.39	22.22	22.30	23.00
		1	1	22.05	22.05	22.59	23.00
		1	137	22.62	21.98	22.38	23.00
	DFT-s-OFDM QPSK	1	271	22.43	22.00	22.68	23.00
		135	0	22.64	22.46	22.52	23.00
		135	69	22.57	22.34	22.45	23.00
	DFT-s-OFDM QPSK	135	138	22.38	22.40	22.38	23.00
		270	0	21.67	21.69	22.15	23.00
		1	1	21.01	21.15	21.00	23.00
	DFT-s-OFDM 16QAM	1	1	19.98	20.17	19.97	21.50
	DFT-s-OFDM 64QAM	1	1	18.83	18.64	18.63	19.50
	DFT-s-OFDM 256QAM	1	1	20.71	20.84	20.70	22.50
	CP-OFDM QPSK	1	1	20.33	20.07	20.29	22.00
	CP-OFDM 16QAM	1	1	19.45	19.29	19.38	20.50
	CP-OFDM 64QAM	1	1	17.04	17.05	17.22	17.50