

8 CONDUCTED RF OUPUT POWER

8.1	WCDMA Output Power
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8.1 WCDMA Output Power

WCDMA-Full Power-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	23.36	23.50	23.36	24.00
HSDPA Subtest-1	22.37	22.50	22.34	23.00
HSDPA Subtest-2	22.38	22.50	22.34	23.00
HSDPA Subtest-3	21.86	22.04	21.84	23.00
HSDPA Subtest-4	21.82	22.01	21.82	23.00
HSUPA Subtest-1	22.33	22.51	22.33	23.00
HSUPA Subtest-2	20.34	20.52	20.32	22.00
HSUPA Subtest-3	21.32	21.52	21.44	22.00
HSUPA Subtest-4	20.39	20.45	20.34	22.00
HSUPA Subtest-5	22.39	22.54	22.33	23.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	23.48	23.36	23.18	24.00
HSDPA Subtest-1	22.47	22.34	22.16	23.00
HSDPA Subtest-2	22.48	22.38	22.19	23.00
HSDPA Subtest-3	21.97	21.86	21.69	23.00
HSDPA Subtest-4	21.97	21.87	21.67	23.00
HSUPA Subtest-1	22.52	22.32	22.20	23.00
HSUPA Subtest-2	20.52	20.37	20.25	22.00
HSUPA Subtest-3	21.42	21.42	21.22	22.00
HSUPA Subtest-4	20.41	20.34	20.13	22.00
HSUPA Subtest-5	22.48	22.40	22.19	23.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	23.35	23.32	23.30	24.00
HSDPA Subtest-1	22.33	22.31	22.30	23.00
HSDPA Subtest-2	22.34	22.34	22.30	23.00
HSDPA Subtest-3	21.87	21.84	21.79	23.00
HSDPA Subtest-4	21.79	21.84	21.82	23.00
HSUPA Subtest-1	22.52	22.32	22.20	23.00
HSUPA Subtest-2	20.52	20.37	20.25	22.00
HSUPA Subtest-3	21.42	21.42	21.22	22.00
HSUPA Subtest-4	20.41	20.34	20.13	22.00
HSUPA Subtest-5	22.48	22.40	22.19	23.00

8.2 LTE Output Power

LTE B2-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.37	23.55	23.34	24.00
		MID	QPSK	23.44	23.62	23.32	24.00
		HIGH	QPSK	23.45	23.53	23.33	24.00
	3	LOW	QPSK	23.38	23.59	23.37	24.00
		MID	QPSK	23.48	23.71	23.42	24.00
		HIGH	QPSK	23.44	23.55	23.29	24.00
	6	LOW	QPSK	22.49	22.60	22.40	23.00
1.4	1	LOW	Q16	22.69	22.78	22.73	23.00
		MID	Q16	22.88	22.80	22.69	23.00
		HIGH	Q16	22.79	22.79	22.79	23.00
	3	LOW	Q16	22.59	22.74	22.44	23.00
		MID	Q16	22.61	22.73	22.43	23.00
		HIGH	Q16	22.62	22.72	22.49	23.00
	6	LOW	Q16	21.56	21.64	21.48	22.00
1.4	1	LOW	64QAM	21.66	21.72	21.68	22.00
		MID	64QAM	21.64	21.71	21.62	22.00
		HIGH	64QAM	21.62	21.73	21.55	22.00
	3	LOW	64QAM	21.53	21.58	21.52	22.00
		MID	64QAM	21.50	21.59	21.46	22.00
		HIGH	64QAM	21.53	21.63	21.47	22.00
	6	LOW	64QAM	20.55	20.61	20.53	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	23.42	23.52	23.36	24.00
		MID	QPSK	23.47	23.62	23.52	24.00
		HIGH	QPSK	23.43	23.64	23.35	24.00
	8	LOW	QPSK	22.42	22.54	22.37	23.00
		MID	QPSK	22.53	22.54	22.44	23.00
		HIGH	QPSK	22.47	22.65	22.38	23.00
	15	LOW	QPSK	22.52	22.54	22.43	23.00
3	1	LOW	Q16	22.73	22.90	22.71	23.00
		MID	Q16	22.82	22.92	22.77	23.00
		HIGH	Q16	22.81	22.92	22.69	23.00
	8	LOW	Q16	21.61	21.57	21.52	22.00
		MID	Q16	21.53	21.66	21.59	22.00
		HIGH	Q16	21.54	21.65	21.52	22.00
	15	LOW	Q16	21.54	21.58	21.46	22.00
3	1	LOW	64QAM	21.55	21.70	21.65	22.00
		MID	64QAM	21.56	21.83	21.66	22.00
		HIGH	64QAM	21.79	21.63	21.43	22.00
	8	LOW	64QAM	20.46	20.55	20.45	21.00
		MID	64QAM	20.63	20.68	20.53	21.00
		HIGH	64QAM	20.51	20.62	20.48	21.00
	15	LOW	64QAM	20.48	20.53	20.45	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	23.46	23.43	23.29	24.00
		MID	QPSK	23.58	23.73	23.42	24.00
		HIGH	QPSK	23.42	23.62	23.35	24.00
	12	LOW	QPSK	22.48	22.53	22.38	23.00
		MID	QPSK	22.48	22.62	22.43	23.00
		HIGH	QPSK	22.54	22.63	22.39	23.00
	25	LOW	QPSK	22.52	22.54	22.36	23.00
5	1	LOW	Q16	22.78	22.74	22.66	23.00
		MID	Q16	22.90	22.92	22.81	23.00
		HIGH	Q16	22.91	22.94	22.61	23.00
	12	LOW	Q16	21.55	21.57	21.38	22.00
		MID	Q16	21.57	21.57	21.49	22.00
		HIGH	Q16	21.51	21.62	21.53	22.00
	25	LOW	Q16	21.54	21.57	21.43	22.00
5	1	LOW	64QAM	21.60	21.80	21.45	22.00
		MID	64QAM	21.69	21.92	21.72	22.00
		HIGH	64QAM	21.87	21.69	21.52	22.00
	12	LOW	64QAM	20.50	20.55	20.29	21.00
		MID	64QAM	20.55	20.67	20.45	21.00
		HIGH	64QAM	20.50	20.61	20.43	21.00
	25	LOW	64QAM	20.49	20.52	20.31	21.00

LTE B2-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	23.57	23.51	23.47	24.00
		MID	QPSK	23.52	23.64	23.47	24.00
		HIGH	QPSK	23.42	23.50	23.39	24.00
	25	LOW	QPSK	22.47	22.56	22.44	23.00
		MID	QPSK	22.53	22.62	22.48	23.00
		HIGH	QPSK	22.51	22.68	22.43	23.00
	50	LOW	QPSK	22.53	22.51	22.48	23.00
10	1	LOW	Q16	22.85	22.87	22.70	23.00
		MID	Q16	22.80	22.94	22.64	23.00
		HIGH	Q16	22.90	22.87	22.89	23.00
	25	LOW	Q16	21.42	21.59	21.47	22.00
		MID	Q16	21.57	21.50	21.50	22.00
		HIGH	Q16	21.52	21.58	21.41	22.00
	50	LOW	Q16	21.52	21.54	21.46	22.00
10	1	LOW	64QAM	21.61	21.84	21.67	22.00
		MID	64QAM	21.73	21.86	21.63	22.00
		HIGH	64QAM	21.70	21.67	21.54	22.00
	25	LOW	64QAM	20.49	20.54	20.50	21.00
		MID	64QAM	20.55	20.55	20.50	21.00
		HIGH	64QAM	20.50	20.68	20.43	21.00
	50	LOW	64QAM	20.47	20.64	20.46	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	23.28	23.40	23.36	24.00
		MID	QPSK	23.54	23.70	23.26	24.00
		HIGH	QPSK	23.44	23.27	23.28	24.00
	36	LOW	QPSK	22.30	22.54	22.23	23.00
		MID	QPSK	22.33	22.31	22.17	23.00
		HIGH	QPSK	22.36	22.40	22.35	23.00
	75	LOW	QPSK	22.45	22.50	22.38	23.00
15	1	LOW	Q16	22.52	22.69	22.69	23.00
		MID	Q16	22.39	22.92	22.47	23.00
		HIGH	Q16	22.63	22.49	22.44	23.00
	36	LOW	Q16	21.36	21.45	21.21	22.00
		MID	Q16	21.36	21.25	21.25	22.00
		HIGH	Q16	21.38	21.52	21.26	22.00
	75	LOW	Q16	21.36	21.47	21.41	22.00
15	1	LOW	64QAM	21.60	21.52	21.31	22.00
		MID	64QAM	21.33	21.75	21.53	22.00
		HIGH	64QAM	21.35	21.57	21.18	22.00
	36	LOW	64QAM	20.26	20.37	20.29	21.00
		MID	64QAM	20.45	20.38	20.22	21.00
		HIGH	64QAM	20.45	20.54	20.23	21.00
	75	LOW	64QAM	20.47	20.40	20.32	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	23.43	23.33	23.32	24.00
		MID	QPSK	23.50	23.80	23.39	24.00
		HIGH	QPSK	23.40	23.23	23.21	24.00
	50	LOW	QPSK	22.33	22.41	22.31	23.00
		MID	QPSK	22.37	22.39	22.30	23.00
		HIGH	QPSK	22.35	22.49	22.36	23.00
	100	LOW	QPSK	22.43	22.41	22.40	23.00
20	1	LOW	Q16	22.54	22.60	22.61	23.00
		MID	Q16	22.50	22.95	22.62	23.00
		HIGH	Q16	22.55	22.59	22.39	23.00
	50	LOW	Q16	21.38	21.52	21.29	22.00
		MID	Q16	21.38	21.34	21.31	22.00
		HIGH	Q16	21.47	21.48	21.29	22.00
	100	LOW	Q16	21.37	21.41	21.31	22.00
20	1	LOW	64QAM	21.63	21.65	21.39	22.00
		MID	64QAM	21.48	21.67	21.43	22.00
		HIGH	64QAM	21.46	21.52	21.21	22.00
	50	LOW	64QAM	20.26	20.46	20.29	21.00
		MID	64QAM	20.37	20.34	20.29	21.00
		HIGH	64QAM	20.38	20.47	20.30	21.00
	100	LOW	64QAM	20.42	20.45	20.30	21.00

LTE B2-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.50	23.43	22.24	24.00
		MID	QPSK	23.29	23.33	23.19	24.00
		HIGH	QPSK	23.41	23.25	23.37	24.00
	3	LOW	QPSK	22.58	22.50	22.28	24.00
		MID	QPSK	22.36	22.34	22.51	24.00
		HIGH	QPSK	22.29	22.37	22.34	24.00
6	LOW	QPSK	22.47	22.46	22.36	23.00	
1.4	1	LOW	Q16	22.67	22.60	22.43	23.00
		MID	Q16	22.35	22.54	22.31	23.00
		HIGH	Q16	22.22	22.43	22.74	23.00
	3	LOW	Q16	21.58	21.70	21.49	23.00
		MID	Q16	21.15	21.32	21.47	23.00
		HIGH	Q16	21.20	21.25	21.43	23.00
6	LOW	Q16	21.40	21.30	21.19	22.00	
1.4	1	LOW	64QAM	21.69	21.68	21.27	22.00
		MID	64QAM	21.20	21.51	21.42	22.00
		HIGH	64QAM	21.32	21.45	21.65	22.00
	3	LOW	64QAM	20.32	20.37	20.52	22.00
		MID	64QAM	20.45	20.28	20.24	22.00
		HIGH	64QAM	20.30	20.46	20.76	22.00
6	LOW	64QAM	20.39	20.15	20.25	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.38	23.37	22.17	24.00
		MID	QPSK	23.27	23.37	23.18	24.00
		HIGH	QPSK	23.36	23.26	23.31	24.00
	8	LOW	QPSK	22.57	22.46	22.37	23.00
		MID	QPSK	22.45	22.37	22.57	23.00
		HIGH	QPSK	22.34	22.28	22.49	23.00
15	LOW	QPSK	22.38	22.50	22.36	23.00	
3	1	LOW	Q16	22.56	22.48	22.47	23.00
		MID	Q16	22.49	22.59	22.40	23.00
		HIGH	Q16	22.26	22.35	22.59	23.00
	8	LOW	Q16	21.52	21.63	21.59	22.00
		MID	Q16	21.27	21.42	21.42	22.00
		HIGH	Q16	21.35	21.30	21.47	22.00
15	LOW	Q16	21.36	21.45	21.34	22.00	
3	1	LOW	64QAM	21.54	21.53	21.31	22.00
		MID	64QAM	21.31	21.44	21.37	22.00
		HIGH	64QAM	21.43	21.49	21.75	22.00
	8	LOW	64QAM	20.30	20.29	20.40	21.00
		MID	64QAM	20.39	20.33	20.37	21.00
		HIGH	64QAM	20.28	20.36	20.63	21.00
15	LOW	64QAM	20.34	20.20	20.27	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.22	23.18	22.44	24.00
		MID	QPSK	23.35	23.36	23.32	24.00
		HIGH	QPSK	23.34	23.49	23.36	24.00
	12	LOW	QPSK	22.52	22.52	22.61	23.00
		MID	QPSK	22.35	22.41	22.45	23.00
		HIGH	QPSK	22.21	22.28	22.49	23.00
25	LOW	QPSK	22.50	22.50	22.40	23.00	
5	1	LOW	Q16	22.40	22.50	22.54	23.00
		MID	Q16	22.28	22.38	22.40	23.00
		HIGH	Q16	22.36	22.43	22.53	23.00
	12	LOW	Q16	21.32	21.43	21.34	22.00
		MID	Q16	21.28	21.54	21.49	22.00
		HIGH	Q16	21.34	21.37	21.35	22.00
25	LOW	Q16	21.33	21.15	21.08	22.00	
5	1	LOW	64QAM	21.44	21.57	21.43	22.00
		MID	64QAM	21.39	21.59	21.36	22.00
		HIGH	64QAM	21.66	21.24	21.51	22.00
	12	LOW	64QAM	20.38	20.41	20.26	21.00
		MID	64QAM	20.33	20.41	20.50	21.00
		HIGH	64QAM	20.44	20.39	20.40	21.00
25	LOW	64QAM	20.38	20.35	20.22	21.00	

LTE B2-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.37	23.05	22.18	24.00
		MID	QPSK	23.31	23.27	23.27	24.00
		HIGH	QPSK	23.29	23.46	23.12	24.00
	25	LOW	QPSK	22.64	22.49	22.52	23.00
		MID	QPSK	22.51	22.38	22.22	23.00
		HIGH	QPSK	22.24	22.30	22.55	23.00
	50	LOW	QPSK	22.38	22.41	22.40	23.00
10	1	LOW	Q16	22.51	22.67	22.40	23.00
		MID	Q16	22.57	22.27	22.47	23.00
		HIGH	Q16	22.30	22.47	22.33	23.00
	25	LOW	Q16	21.41	21.56	21.32	22.00
		MID	Q16	21.47	21.37	21.55	22.00
		HIGH	Q16	21.67	21.25	21.72	22.00
	50	LOW	Q16	21.50	21.25	21.04	22.00
10	1	LOW	64QAM	21.29	21.39	21.38	22.00
		MID	64QAM	21.60	21.54	21.46	22.00
		HIGH	64QAM	21.56	21.24	21.59	22.00
	25	LOW	64QAM	20.30	20.57	20.21	21.00
		MID	64QAM	20.26	20.65	20.33	21.00
		HIGH	64QAM	20.50	20.29	20.48	21.00
	50	LOW	64QAM	20.47	20.38	20.28	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.36	23.19	22.21	24.00
		MID	QPSK	23.38	23.29	23.12	24.00
		HIGH	QPSK	23.32	23.40	23.21	24.00
	36	LOW	QPSK	22.54	22.59	22.60	23.00
		MID	QPSK	22.41	22.44	22.30	23.00
		HIGH	QPSK	22.34	22.41	22.54	23.00
	75	LOW	QPSK	22.30	22.45	22.33	23.00
15	1	LOW	Q16	22.57	22.62	22.34	23.00
		MID	Q16	22.52	22.35	22.41	23.00
		HIGH	Q16	22.43	22.39	22.34	23.00
	36	LOW	Q16	21.46	21.47	21.41	22.00
		MID	Q16	21.34	21.52	21.55	22.00
		HIGH	Q16	21.53	21.39	21.58	22.00
	75	LOW	Q16	21.36	21.26	21.10	22.00
15	1	LOW	64QAM	21.39	21.37	21.45	22.00
		MID	64QAM	21.50	21.46	21.48	22.00
		HIGH	64QAM	21.60	21.27	21.52	22.00
	36	LOW	64QAM	20.24	20.50	20.24	21.00
		MID	64QAM	20.35	20.56	20.40	21.00
		HIGH	64QAM	20.38	20.41	20.50	21.00
	75	LOW	64QAM	20.37	20.27	20.25	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.30	23.33	22.31	24.00
		MID	QPSK	23.25	23.28	23.26	24.00
		HIGH	QPSK	23.35	23.39	23.33	24.00
	50	LOW	QPSK	22.50	22.55	22.51	23.00
		MID	QPSK	22.41	22.46	22.43	23.00
		HIGH	QPSK	22.33	22.43	22.44	23.00
	100	LOW	QPSK	22.36	22.38	22.39	23.00
20	1	LOW	Q16	22.49	22.48	22.41	23.00
		MID	Q16	22.41	22.45	22.46	23.00
		HIGH	Q16	22.41	22.45	22.47	23.00
	50	LOW	Q16	21.43	21.50	21.44	22.00
		MID	Q16	21.41	21.44	21.46	22.00
		HIGH	Q16	21.42	21.40	21.43	22.00
	100	LOW	Q16	21.23	21.30	21.21	22.00
20	1	LOW	64QAM	21.40	21.51	21.33	22.00
		MID	64QAM	21.42	21.57	21.39	22.00
		HIGH	64QAM	21.54	21.36	21.61	22.00
	50	LOW	64QAM	20.38	20.44	20.34	21.00
		MID	64QAM	20.36	20.46	20.42	21.00
		HIGH	64QAM	20.34	20.51	20.48	21.00
	100	LOW	64QAM	20.28	20.20	20.34	21.00

LTE B4-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.39	23.25	23.10	24.00
		MID	QPSK	23.41	23.24	23.17	24.00
		HIGH	QPSK	23.24	23.17	23.19	24.00
	3	LOW	QPSK	23.37	23.21	23.16	24.00
		MID	QPSK	23.41	23.30	23.33	24.00
		HIGH	QPSK	23.27	23.21	23.16	24.00
1.4	6	LOW	QPSK	22.46	22.23	22.26	23.00
		MID	Q16	22.73	22.45	22.35	23.00
		HIGH	Q16	22.75	22.51	22.57	23.00
	3	LOW	Q16	22.84	22.69	22.46	23.00
		MID	Q16	22.46	22.37	22.43	23.00
		HIGH	Q16	22.63	22.32	22.22	23.00
1.4	6	LOW	Q16	22.48	22.28	22.26	23.00
		MID	Q16	21.45	21.26	21.39	22.00
		HIGH	Q16	21.45	21.26	21.39	22.00
	3	LOW	64QAM	21.43	21.53	21.49	22.00
		MID	64QAM	21.50	21.48	21.30	22.00
		HIGH	64QAM	21.48	21.29	21.50	22.00
1.4	6	LOW	64QAM	21.45	21.34	21.30	22.00
		MID	64QAM	21.49	21.36	21.25	22.00
		HIGH	64QAM	21.46	21.21	21.26	22.00
	3	LOW	64QAM	20.43	20.25	20.19	21.00
		MID	64QAM	21.43	21.53	21.49	22.00
		HIGH	64QAM	21.48	21.29	21.50	22.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.37	23.18	23.05	24.00
		MID	QPSK	23.58	23.24	23.22	24.00
		HIGH	QPSK	23.40	23.11	23.05	24.00
	8	LOW	QPSK	22.45	22.27	22.22	23.00
		MID	QPSK	22.44	22.29	22.27	23.00
		HIGH	QPSK	22.44	22.23	22.23	23.00
3	15	LOW	QPSK	22.41	22.27	22.19	23.00
		MID	Q16	22.89	22.40	22.54	23.00
		HIGH	Q16	22.78	22.53	22.59	23.00
	8	LOW	Q16	22.62	22.42	22.56	23.00
		MID	Q16	21.47	21.30	21.29	22.00
		HIGH	Q16	21.51	21.40	21.34	22.00
3	15	LOW	Q16	21.55	21.37	21.25	22.00
		MID	Q16	21.44	21.30	21.20	22.00
		HIGH	Q16	21.44	21.30	21.20	22.00
	8	LOW	64QAM	21.36	21.35	21.27	22.00
		MID	64QAM	21.63	21.41	21.49	22.00
		HIGH	64QAM	21.47	21.32	21.49	22.00
3	15	LOW	64QAM	20.46	20.24	20.32	21.00
		MID	64QAM	20.48	20.26	20.20	21.00
		HIGH	64QAM	20.37	20.28	20.29	21.00
	8	LOW	64QAM	20.48	20.28	20.26	21.00
		MID	64QAM	20.48	20.28	20.26	21.00
		HIGH	64QAM	20.48	20.28	20.26	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.30	23.17	23.17	24.00
		MID	QPSK	23.41	23.20	23.17	24.00
		HIGH	QPSK	23.42	23.10	23.09	24.00
	12	LOW	QPSK	22.40	22.20	22.19	23.00
		MID	QPSK	22.50	22.31	22.24	23.00
		HIGH	QPSK	22.37	22.28	22.26	23.00
5	25	LOW	QPSK	22.43	22.21	22.20	23.00
		MID	Q16	22.72	22.45	22.65	23.00
		HIGH	Q16	22.81	22.54	22.54	23.00
	12	LOW	Q16	22.46	22.32	22.46	23.00
		MID	Q16	21.54	21.28	21.19	22.00
		HIGH	Q16	21.48	21.01	21.26	22.00
5	25	LOW	Q16	21.48	21.27	21.23	22.00
		MID	Q16	21.43	21.19	21.25	22.00
		HIGH	Q16	21.43	21.19	21.25	22.00
	12	LOW	64QAM	21.47	21.51	21.35	22.00
		MID	64QAM	21.59	21.43	21.37	22.00
		HIGH	64QAM	21.44	21.27	21.41	22.00
5	25	LOW	64QAM	20.50	20.24	20.24	21.00
		MID	64QAM	20.46	20.26	20.23	21.00
		HIGH	64QAM	20.40	20.23	20.23	21.00
	12	LOW	64QAM	20.42	20.31	20.19	21.00
		MID	64QAM	20.42	20.31	20.19	21.00
		HIGH	64QAM	20.42	20.31	20.19	21.00

LTE B4-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.33	23.07	23.15	24.00
		MID	QPSK	23.42	23.25	23.15	24.00
		HIGH	QPSK	23.39	23.22	23.16	24.00
	25	LOW	QPSK	22.42	22.25	22.23	23.00
		MID	QPSK	22.44	22.31	22.27	23.00
		HIGH	QPSK	22.45	22.25	22.28	23.00
	50	LOW	QPSK	22.41	22.23	22.20	23.00
10	1	LOW	Q16	22.74	22.55	22.54	23.00
		MID	Q16	22.81	22.59	22.64	23.00
		HIGH	Q16	22.73	22.44	22.32	23.00
	25	LOW	Q16	21.41	21.23	21.25	22.00
		MID	Q16	21.49	21.30	21.30	22.00
		HIGH	Q16	21.42	21.21	21.27	22.00
	50	LOW	Q16	21.49	21.15	21.24	22.00
10	1	LOW	64QAM	21.55	21.31	21.41	22.00
		MID	64QAM	21.65	21.40	21.30	22.00
		HIGH	64QAM	21.53	21.47	21.29	22.00
	25	LOW	64QAM	20.44	20.08	20.24	21.00
		MID	64QAM	20.47	20.29	20.30	21.00
		HIGH	64QAM	20.44	20.26	20.20	21.00
	50	LOW	64QAM	20.37	20.21	20.22	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.27	23.03	22.89	24.00
		MID	QPSK	23.30	23.19	22.96	24.00
		HIGH	QPSK	23.30	23.09	23.16	24.00
	36	LOW	QPSK	22.33	22.03	22.18	23.00
		MID	QPSK	22.30	22.11	22.08	23.00
		HIGH	QPSK	22.27	22.04	22.12	23.00
	75	LOW	QPSK	22.26	22.02	22.10	23.00
15	1	LOW	Q16	22.50	22.35	22.41	23.00
		MID	Q16	22.70	22.29	22.27	23.00
		HIGH	Q16	22.54	22.23	22.34	23.00
	36	LOW	Q16	21.23	21.01	21.10	22.00
		MID	Q16	21.34	21.12	21.11	22.00
		HIGH	Q16	21.30	21.13	21.13	22.00
	75	LOW	Q16	21.32	21.07	21.07	22.00
15	1	LOW	64QAM	21.42	21.12	21.14	22.00
		MID	64QAM	21.54	21.27	21.39	22.00
		HIGH	64QAM	21.26	21.27	21.33	22.00
	36	LOW	64QAM	20.33	20.08	20.14	21.00
		MID	64QAM	20.31	19.99	20.10	21.00
		HIGH	64QAM	20.26	20.04	20.15	21.00
	75	LOW	64QAM	20.20	20.14	20.19	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	23.37	23.07	23.16	24.00
		MID	QPSK	23.17	23.06	23.02	24.00
		HIGH	QPSK	23.27	23.11	22.98	24.00
	50	LOW	QPSK	22.31	22.10	22.14	23.00
		MID	QPSK	22.30	22.10	22.14	23.00
		HIGH	QPSK	22.24	22.08	22.14	23.00
	100	LOW	QPSK	22.31	22.05	22.10	23.00
20	1	LOW	Q16	22.36	22.49	22.34	23.00
		MID	Q16	22.41	22.25	22.32	23.00
		HIGH	Q16	22.33	22.32	22.28	23.00
	50	LOW	Q16	21.24	21.16	21.13	22.00
		MID	Q16	21.28	21.08	21.16	22.00
		HIGH	Q16	21.22	21.08	21.15	22.00
	100	LOW	Q16	21.29	21.03	21.12	22.00
20	1	LOW	64QAM	21.50	21.38	21.39	22.00
		MID	64QAM	21.21	21.43	21.22	22.00
		HIGH	64QAM	21.30	21.34	21.17	22.00
	50	LOW	64QAM	20.27	20.05	20.03	21.00
		MID	64QAM	20.26	20.04	20.05	21.00
		HIGH	64QAM	20.18	20.04	20.14	21.00
	100	LOW	64QAM	20.26	20.09	20.13	21.00

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.36	23.23	23.08	24.00
		MID	QPSK	23.35	23.35	23.15	24.00
		HIGH	QPSK	23.20	23.19	23.19	24.00
	3	LOW	QPSK	23.28	23.25	23.28	24.00
		MID	QPSK	23.26	23.32	23.19	24.00
		HIGH	QPSK	23.34	23.24	23.18	24.00
	6	LOW	QPSK	22.25	22.32	22.20	23.00
1.4	1	LOW	Q16	22.59	22.60	22.60	23.00
		MID	Q16	22.58	22.55	22.46	23.00
		HIGH	Q16	22.65	22.51	22.32	23.00
	3	LOW	Q16	22.27	22.40	22.34	23.00
		MID	Q16	22.45	22.40	22.45	23.00
		HIGH	Q16	22.28	22.31	22.31	23.00
	6	LOW	Q16	21.22	21.39	21.21	22.00
1.4	1	LOW	64QAM	21.57	21.44	21.42	22.00
		MID	64QAM	21.47	21.40	21.33	22.00
		HIGH	64QAM	21.23	21.59	21.33	22.00
	3	LOW	64QAM	21.27	21.28	21.30	22.00
		MID	64QAM	21.37	21.31	21.33	22.00
		HIGH	64QAM	21.24	21.36	21.28	22.00
	6	LOW	64QAM	20.35	20.29	20.18	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.12	23.26	23.21	24.00
		MID	QPSK	23.33	23.33	23.26	24.00
		HIGH	QPSK	23.28	23.13	23.08	24.00
	8	LOW	QPSK	22.28	22.19	22.22	23.00
		MID	QPSK	22.29	22.25	22.26	23.00
		HIGH	QPSK	22.33	22.34	22.30	23.00
	15	LOW	QPSK	22.29	22.23	22.29	23.00
3	1	LOW	Q16	22.49	22.42	22.59	23.00
		MID	Q16	22.54	22.66	22.57	23.00
		HIGH	Q16	22.48	22.52	22.40	23.00
	8	LOW	Q16	21.33	21.36	21.16	22.00
		MID	Q16	21.38	21.33	21.33	22.00
		HIGH	Q16	21.33	21.39	21.40	22.00
	15	LOW	Q16	21.32	21.22	21.22	22.00
3	1	LOW	64QAM	21.66	21.48	21.24	22.00
		MID	64QAM	21.44	21.49	21.47	22.00
		HIGH	64QAM	21.24	21.33	21.40	22.00
	8	LOW	64QAM	20.29	20.29	20.27	21.00
		MID	64QAM	20.30	20.29	20.31	21.00
		HIGH	64QAM	20.25	20.36	20.25	21.00
	15	LOW	64QAM	20.27	20.19	20.26	21.00

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.44	23.31	23.12	24.00
		MID	QPSK	23.31	23.36	23.17	24.00
		HIGH	QPSK	23.23	23.25	23.18	24.00
	12	LOW	QPSK	22.18	22.25	22.15	23.00
		MID	QPSK	22.32	22.28	22.28	23.00
		HIGH	QPSK	22.26	22.28	22.23	23.00
	25	LOW	QPSK	22.30	22.26	22.14	23.00
5	1	LOW	Q16	22.66	22.54	22.39	23.00
		MID	Q16	22.59	22.67	22.65	23.00
		HIGH	Q16	22.50	22.67	22.46	23.00
	12	LOW	Q16	21.20	21.25	21.16	22.00
		MID	Q16	21.34	21.31	21.19	22.00
		HIGH	Q16	21.34	21.33	21.31	22.00
	25	LOW	Q16	21.29	21.23	21.20	22.00
5	1	LOW	64QAM	21.46	21.31	21.39	22.00
		MID	64QAM	21.62	21.52	21.43	22.00
		HIGH	64QAM	21.39	21.17	21.33	22.00
	12	LOW	64QAM	20.26	20.28	20.24	21.00
		MID	64QAM	20.30	20.24	20.30	21.00
		HIGH	64QAM	20.33	20.34	20.27	21.00
	25	LOW	64QAM	20.32	20.20	20.13	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.30	23.33	23.35	24.00
		MID	QPSK	23.30	23.30	23.23	24.00
		HIGH	QPSK	23.20	23.13	23.11	24.00
	25	LOW	QPSK	22.27	22.25	22.19	23.00
		MID	QPSK	22.29	22.21	22.28	23.00
		HIGH	QPSK	22.23	22.31	22.29	23.00
	50	LOW	QPSK	22.27	22.27	22.29	23.00
10	1	LOW	Q16	22.69	22.76	22.63	23.00
		MID	Q16	22.68	22.60	22.73	23.00
		HIGH	Q16	22.49	22.37	22.44	23.00
	25	LOW	Q16	21.24	21.33	21.30	22.00
		MID	Q16	21.34	21.30	21.28	22.00
		HIGH	Q16	21.29	21.23	21.24	22.00
	50	LOW	Q16	21.36	21.23	21.27	22.00
10	1	LOW	64QAM	21.49	21.48	21.48	22.00
		MID	64QAM	21.48	21.60	21.38	22.00
		HIGH	64QAM	21.36	21.31	21.27	22.00
	25	LOW	64QAM	20.25	20.23	20.23	21.00
		MID	64QAM	20.29	20.33	20.22	21.00
		HIGH	64QAM	20.31	20.20	20.22	21.00
	50	LOW	64QAM	20.29	20.20	20.28	21.00

LTE B7-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	23.27	23.19	23.38	24.00
		MID	QPSK	23.24	23.17	23.36	24.00
		HIGH	QPSK	23.31	23.22	23.44	24.00
	12	LOW	QPSK	22.27	22.26	22.36	23.00
		MID	QPSK	22.29	22.23	22.43	23.00
		HIGH	QPSK	22.30	22.26	22.41	23.00
	25	LOW	QPSK	22.30	22.26	22.37	23.00
5	1	LOW	Q16	22.27	22.68	22.80	23.00
		MID	Q16	22.68	22.56	22.86	23.00
		HIGH	Q16	22.55	22.42	22.72	23.00
	12	LOW	Q16	21.29	21.23	21.47	22.00
		MID	Q16	21.36	21.29	21.45	22.00
		HIGH	Q16	21.31	21.27	21.40	22.00
	25	LOW	Q16	21.26	21.28	21.47	22.00
5	1	LOW	64QAM	21.74	21.43	21.47	22.00
		MID	64QAM	21.59	21.45	21.66	22.00
		HIGH	64QAM	21.62	21.54	21.46	22.00
	12	LOW	64QAM	20.31	20.26	20.45	21.00
		MID	64QAM	20.28	20.30	20.35	21.00
		HIGH	64QAM	20.34	20.27	20.42	21.00
	25	LOW	64QAM	20.27	20.25	20.39	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	23.07	23.13	23.35	24.00
		MID	QPSK	23.24	23.28	23.43	24.00
		HIGH	QPSK	23.22	23.35	23.28	24.00
	25	LOW	QPSK	22.27	22.31	22.42	23.00
		MID	QPSK	22.28	22.28	22.42	23.00
		HIGH	QPSK	22.29	22.15	22.45	23.00
	50	LOW	QPSK	22.32	22.26	22.43	23.00
10	1	LOW	Q16	22.39	22.50	22.68	23.00
		MID	Q16	22.62	22.49	22.73	23.00
		HIGH	Q16	22.60	22.56	22.83	23.00
	25	LOW	Q16	21.32	21.29	21.47	22.00
		MID	Q16	21.38	21.28	21.41	22.00
		HIGH	Q16	21.26	21.26	21.42	22.00
	50	LOW	Q16	21.30	21.17	21.43	22.00
10	1	LOW	64QAM	21.34	21.46	21.52	22.00
		MID	64QAM	21.57	21.55	21.51	22.00
		HIGH	64QAM	21.37	21.31	21.62	22.00
	25	LOW	64QAM	20.29	20.28	20.43	21.00
		MID	64QAM	20.40	20.33	20.46	21.00
		HIGH	64QAM	20.36	20.22	20.40	21.00
	50	LOW	64QAM	20.23	20.24	20.42	21.00

LTE B7-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.83	22.90	23.13	24.00
		MID	QPSK	23.10	23.03	23.14	24.00
		HIGH	QPSK	23.01	23.18	23.18	24.00
	36	LOW	QPSK	22.16	22.07	22.30	23.00
		MID	QPSK	22.20	22.11	22.33	23.00
		HIGH	QPSK	22.16	22.08	22.29	23.00
	75	LOW	QPSK	22.24	22.06	22.30	23.00
15	1	LOW	Q16	22.24	22.21	22.40	23.00
		MID	Q16	22.27	22.15	22.51	23.00
		HIGH	Q16	22.31	22.18	22.39	23.00
	36	LOW	Q16	21.16	21.03	21.39	22.00
		MID	Q16	21.19	21.19	21.35	22.00
		HIGH	Q16	21.17	21.07	21.31	22.00
	75	LOW	Q16	21.18	21.13	21.30	22.00
15	1	LOW	64QAM	21.30	21.29	21.73	22.00
		MID	64QAM	21.13	21.25	21.54	22.00
		HIGH	64QAM	21.35	21.21	21.22	22.00
	36	LOW	64QAM	20.06	20.08	20.30	21.00
		MID	64QAM	20.13	20.15	20.33	21.00
		HIGH	64QAM	20.14	20.07	20.28	21.00
	75	LOW	64QAM	20.24	20.11	20.28	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	23.19	23.13	23.44	24.00
		MID	QPSK	23.32	23.50	23.34	24.00
		HIGH	QPSK	23.19	23.27	23.18	24.00
	50	LOW	QPSK	22.30	22.10	22.11	23.00
		MID	QPSK	22.21	22.38	22.31	23.00
		HIGH	QPSK	22.25	22.11	22.34	23.00
	100	LOW	QPSK	22.23	22.11	22.33	23.00
20	1	LOW	Q16	22.15	22.36	22.53	23.00
		MID	Q16	22.32	22.60	22.27	23.00
		HIGH	Q16	22.17	22.28	22.33	23.00
	50	LOW	Q16	21.23	21.16	21.36	22.00
		MID	Q16	21.25	21.20	21.36	22.00
		HIGH	Q16	21.21	21.22	21.27	22.00
	100	LOW	Q16	21.30	21.14	21.34	22.00
20	1	LOW	64QAM	21.31	21.69	21.52	22.00
		MID	64QAM	21.77	21.89	21.59	22.00
		HIGH	64QAM	21.20	21.23	21.68	22.00
	50	LOW	64QAM	20.22	20.15	20.43	21.00
		MID	64QAM	20.24	20.11	20.40	21.00
		HIGH	64QAM	20.18	20.14	20.31	21.00
	100	LOW	64QAM	20.19	20.14	20.37	21.00

LTE B7-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	23.27	23.19	23.38	24.00	
		MID	QPSK	23.24	23.17	23.36	24.00	
		HIGH	QPSK	23.31	23.22	23.44	24.00	
	12	LOW	QPSK	22.27	22.26	22.36	23.00	
		MID	QPSK	22.29	22.23	22.43	23.00	
		HIGH	QPSK	22.30	22.26	22.41	23.00	
	25	LOW	QPSK	22.30	22.26	22.37	23.00	
		1	LOW	Q16	22.27	22.68	22.80	23.00
			MID	Q16	22.68	22.56	22.86	23.00
HIGH	Q16		22.55	22.42	22.72	23.00		
5	12	LOW	Q16	21.29	21.23	21.47	22.00	
		MID	Q16	21.36	21.29	21.45	22.00	
		HIGH	Q16	21.31	21.27	21.40	22.00	
	25	LOW	Q16	21.26	21.28	21.47	22.00	
		1	LOW	64QAM	21.74	21.43	21.47	22.00
			MID	64QAM	21.59	21.45	21.66	22.00
	HIGH		64QAM	21.62	21.54	21.46	22.00	
	LOW		64QAM	20.31	20.26	20.45	21.00	
	MID		64QAM	20.28	20.30	20.35	21.00	
HIGH	64QAM	20.34	20.27	20.42	21.00			
25	LOW	64QAM	20.27	20.25	20.39	21.00		
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)	
10	1	LOW	QPSK	23.29	23.25	23.51	24.00	
		MID	QPSK	23.10	23.07	23.49	24.00	
		HIGH	QPSK	23.19	23.37	23.59	24.00	
	25	LOW	QPSK	22.14	22.26	22.33	23.00	
		MID	QPSK	22.37	22.15	22.58	23.00	
		HIGH	QPSK	22.28	22.21	22.56	23.00	
10	50	LOW	QPSK	22.16	22.27	22.47	23.00	
		1	LOW	Q16	22.41	22.54	22.87	23.00
			MID	Q16	22.79	22.52	22.93	23.00
	HIGH		Q16	22.64	22.36	22.85	23.00	
	25	LOW	Q16	21.24	21.10	21.60	22.00	
		MID	Q16	21.34	21.43	21.34	22.00	
		HIGH	Q16	21.25	21.19	21.36	22.00	
	50	LOW	Q16	21.11	21.27	21.57	22.00	
		1	LOW	64QAM	21.79	21.39	21.54	22.00
MID			64QAM	21.54	21.33	21.78	22.00	
HIGH	64QAM		21.55	21.60	21.59	22.00		
LOW	64QAM		20.20	20.34	20.30	21.00		
MID	64QAM		20.39	20.32	20.50	21.00		
HIGH	64QAM	20.22	20.37	20.32	21.00			
50	LOW	64QAM	20.38	20.17	20.44	21.00		

LTE B7-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	23.32	23.26	23.28	24.00
		MID	QPSK	23.25	23.20	23.44	24.00
		HIGH	QPSK	23.39	23.16	23.34	24.00
	36	LOW	QPSK	22.48	22.28	22.27	23.00
		MID	QPSK	22.33	22.20	22.19	23.00
		HIGH	QPSK	22.23	22.50	22.42	23.00
	75	LOW	QPSK	22.53	22.62	22.49	23.00
	15	1	LOW	Q16	22.49	22.43	22.40
MID			Q16	22.55	22.65	22.52	23.00
HIGH			Q16	22.31	22.41	22.38	23.00
36		LOW	Q16	21.45	21.45	21.62	22.00
		MID	Q16	21.39	21.57	21.28	22.00
		HIGH	Q16	21.33	21.46	21.44	22.00
75		LOW	Q16	21.25	21.31	21.39	22.00
15		1	LOW	64QAM	21.73	21.81	21.81
	MID		64QAM	21.57	21.36	21.37	22.00
	HIGH		64QAM	21.57	21.64	21.39	22.00
	36	LOW	64QAM	20.41	20.53	20.53	21.00
		MID	64QAM	20.39	20.45	20.41	21.00
		HIGH	64QAM	20.45	20.49	20.31	21.00
	75	LOW	64QAM	20.37	20.36	20.50	21.00
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350
20	1	LOW	QPSK	23.30	23.33	23.31	24.00
		MID	QPSK	23.26	23.28	23.29	24.00
		HIGH	QPSK	23.25	23.29	23.26	24.00
	50	LOW	QPSK	22.36	22.41	22.37	23.00
		MID	QPSK	22.31	22.35	22.34	23.00
		HIGH	QPSK	22.36	22.39	22.38	23.00
	100	LOW	QPSK	22.45	22.48	22.46	23.00
	20	1	LOW	Q16	22.53	22.55	22.51
MID			Q16	22.46	22.52	22.50	23.00
HIGH			Q16	22.41	22.48	22.49	23.00
50		LOW	Q16	21.53	21.55	21.54	22.00
		MID	Q16	21.46	21.54	21.40	22.00
		HIGH	Q16	21.43	21.42	21.46	22.00
100		LOW	Q16	21.33	21.41	21.35	22.00
20		1	LOW	64QAM	21.74	21.80	21.76
	MID		64QAM	21.53	21.46	21.39	22.00
	HIGH		64QAM	21.43	21.61	21.46	22.00
	50	LOW	64QAM	20.51	20.67	20.57	21.00
		MID	64QAM	20.35	20.39	20.28	21.00
		HIGH	64QAM	20.39	20.57	20.36	21.00
	100	LOW	64QAM	20.37	20.34	20.44	21.00

LTE B12-Full Power -Ant.0							
Bandwidth	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.67	23.59	23.63	24.00
		MID	QPSK	23.61	23.53	23.53	24.00
		HIGH	QPSK	23.51	23.58	23.66	24.00
	3	LOW	QPSK	23.54	23.64	23.61	24.00
		MID	QPSK	23.61	23.62	23.50	24.00
		HIGH	QPSK	23.69	23.64	23.47	24.00
	6	LOW	QPSK	22.61	22.52	22.56	23.50
1.4	1	LOW	Q16	22.87	22.95	22.72	23.50
		MID	Q16	22.70	22.91	23.04	23.50
		HIGH	Q16	22.97	23.04	23.03	23.50
	3	LOW	Q16	22.79	22.91	22.71	23.00
		MID	Q16	22.72	22.78	22.61	23.00
		HIGH	Q16	22.70	22.66	22.74	23.00
	6	LOW	Q16	21.65	21.55	21.52	22.00
1.4	1	LOW	64QAM	21.87	21.74	21.77	22.50
		MID	64QAM	21.85	21.57	22.04	22.50
		HIGH	64QAM	21.77	21.88	21.70	22.50
	3	LOW	64QAM	21.64	21.69	21.56	22.00
		MID	64QAM	21.61	21.72	21.59	22.00
		HIGH	64QAM	21.57	21.57	21.79	22.00
	6	LOW	64QAM	20.73	20.49	20.58	21.00
Bandwidth	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.48	23.57	23.59	24.00
		MID	QPSK	23.59	23.71	23.54	24.00
		HIGH	QPSK	23.59	23.57	23.52	24.00
	8	LOW	QPSK	22.64	22.54	22.53	23.50
		MID	QPSK	22.67	22.65	22.58	23.50
		HIGH	QPSK	22.64	22.61	22.51	23.50
	15	LOW	QPSK	22.59	22.59	22.48	23.50
3	1	LOW	Q16	22.78	22.86	22.86	23.50
		MID	Q16	23.00	23.14	22.89	23.50
		HIGH	Q16	22.74	22.79	22.85	23.50
	8	LOW	Q16	21.64	21.61	21.69	22.00
		MID	Q16	21.69	21.53	21.49	22.00
		HIGH	Q16	21.73	21.71	21.56	22.00
	15	LOW	Q16	21.68	21.63	21.61	22.00
3	1	LOW	64QAM	21.82	21.68	21.75	22.00
		MID	64QAM	21.82	21.89	21.99	22.00
		HIGH	64QAM	21.79	21.75	21.74	22.00
	8	LOW	64QAM	20.71	20.61	20.55	21.00
		MID	64QAM	20.63	20.67	20.63	21.00
		HIGH	64QAM	20.70	20.79	20.58	21.00
	15	LOW	64QAM	20.65	20.61	20.49	21.00

LTE B12-Full Power -Ant.0							
Bandwidth	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.68	23.62	23.56	24.00
		MID	QPSK	23.70	23.71	23.65	24.00
		HIGH	QPSK	23.52	23.51	23.63	24.00
	12	LOW	QPSK	22.54	22.56	22.49	23.50
		MID	QPSK	22.69	22.59	22.63	23.50
		HIGH	QPSK	22.62	22.62	22.52	23.50
	25	LOW	QPSK	22.63	22.58	22.62	23.50
5	1	LOW	Q16	23.01	22.70	22.98	23.50
		MID	Q16	22.99	23.10	22.92	23.50
		HIGH	Q16	22.87	22.93	22.89	23.50
	12	LOW	Q16	21.62	21.59	21.59	22.00
		MID	Q16	21.78	21.58	21.66	22.00
		HIGH	Q16	21.65	21.63	21.64	22.00
	25	LOW	Q16	21.64	21.59	21.62	22.00
5	1	LOW	64QAM	21.69	21.70	21.95	22.00
		MID	64QAM	21.64	21.73	21.96	22.00
		HIGH	64QAM	21.65	21.65	21.60	22.00
	12	LOW	64QAM	20.54	20.61	20.69	21.00
		MID	64QAM	20.69	20.61	20.64	21.00
		HIGH	64QAM	20.59	20.70	20.53	21.00
	25	LOW	64QAM	20.68	20.55	20.60	21.00
Bandwidth	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.70	23.64	23.53	24.00
		MID	QPSK	23.73	23.65	23.65	24.00
		HIGH	QPSK	23.50	23.51	23.46	24.00
	25	LOW	QPSK	22.70	22.69	22.45	23.50
		MID	QPSK	22.68	22.54	22.51	23.50
		HIGH	QPSK	22.65	22.62	22.56	23.50
10	50	LOW	QPSK	22.70	22.50	22.45	23.50
	1	LOW	Q16	22.96	22.99	22.85	23.50
		MID	Q16	22.93	23.00	22.96	23.50
		HIGH	Q16	22.88	22.90	22.77	23.50
	25	LOW	Q16	21.56	21.65	21.53	22.00
		MID	Q16	21.71	21.57	21.53	22.00
		HIGH	Q16	21.61	21.69	21.55	22.00
	50	LOW	Q16	21.66	21.64	21.42	22.00
10	1	LOW	64QAM	21.83	21.76	21.83	22.00
		MID	64QAM	21.82	21.84	21.70	22.00
		HIGH	64QAM	21.63	21.68	21.62	22.00
	25	LOW	64QAM	20.66	20.60	20.48	21.00
		MID	64QAM	20.66	20.63	20.46	21.00
		HIGH	64QAM	20.64	20.67	20.56	21.00
	50	LOW	64QAM	20.69	20.55	20.40	21.00

LTE B13-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)
5	1	LOW	QPSK	23.37	23.22	23.34	24.00
		MID	QPSK	23.33	23.39	23.33	24.00
		HIGH	QPSK	23.22	23.16	23.22	24.00
	12	LOW	QPSK	22.28	22.26	22.21	23.00
		MID	QPSK	22.26	22.22	22.28	23.00
		HIGH	QPSK	22.35	22.30	22.26	23.00
	25	LOW	QPSK	22.36	22.20	22.25	23.00
5	1	LOW	Q16	22.57	22.56	22.51	23.00
		MID	Q16	22.54	22.64	22.72	23.00
		HIGH	Q16	22.52	22.70	22.52	23.00
	12	LOW	Q16	21.31	21.23	21.33	22.00
		MID	Q16	21.29	21.25	21.33	22.00
		HIGH	Q16	21.27	21.32	21.28	22.00
	25	LOW	Q16	21.34	21.17	21.25	22.00
5	1	LOW	64QAM	21.45	21.34	21.30	22.00
		MID	64QAM	21.55	21.47	21.62	22.00
		HIGH	64QAM	21.52	21.57	21.40	22.00
	12	LOW	64QAM	20.28	20.24	20.22	21.00
		MID	64QAM	20.32	20.29	20.39	21.00
		HIGH	64QAM	20.31	20.30	20.31	21.00
	25	LOW	64QAM	20.36	20.24	20.32	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23230			Tune-up power(dBm)
10	1	LOW	QPSK	23.35			24.00
		MID	QPSK	23.27			24.00
		HIGH	QPSK	23.23			24.00
	25	LOW	QPSK	22.30			23.00
		MID	QPSK	22.25			23.00
		HIGH	QPSK	22.20			23.00
	50	LOW	QPSK	22.20			23.00
10	1	LOW	Q16	22.60			23.00
		MID	Q16	22.66			23.00
		HIGH	Q16	22.33			23.00
	25	LOW	Q16	21.24			22.00
		MID	Q16	21.21			22.00
		HIGH	Q16	21.30			22.00
	50	LOW	Q16	21.16			22.00
10	1	LOW	64QAM	21.29			22.00
		MID	64QAM	21.66			22.00
		HIGH	64QAM	21.54			22.00
	25	LOW	64QAM	20.29			21.00
		MID	64QAM	20.20			21.00
		HIGH	64QAM	20.34			21.00
	50	LOW	64QAM	20.30			21.00

LTE B14-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23305	23330	23355	Tune-up power(dBm)
5	1	LOW	QPSK	22.57	22.42	22.52	24.00
		MID	QPSK	22.56	22.75	22.64	24.00
		HIGH	QPSK	22.64	22.63	22.18	24.00
	12	LOW	QPSK	21.58	21.53	21.64	23.00
		MID	QPSK	21.55	21.58	21.59	23.00
		HIGH	QPSK	21.60	21.66	21.40	23.00
	25	LOW	QPSK	21.56	21.57	21.52	23.00
5	1	LOW	Q16	21.71	21.58	21.68	23.00
		MID	Q16	21.80	21.81	21.80	23.00
		HIGH	Q16	21.78	21.93	21.41	23.00
	12	LOW	Q16	20.46	20.46	20.58	22.00
		MID	Q16	20.42	20.53	20.55	22.00
		HIGH	Q16	20.50	20.59	20.32	22.00
	25	LOW	Q16	20.42	20.51	20.48	22.00
5	1	LOW	64QAM	20.61	20.36	20.55	22.00
		MID	64QAM	20.49	20.59	20.62	22.00
		HIGH	64QAM	20.73	20.66	20.28	22.00
	12	LOW	64QAM	19.32	19.33	19.53	21.00
		MID	64QAM	19.30	19.47	19.49	21.00
		HIGH	64QAM	19.38	19.54	19.35	21.00
	25	LOW	64QAM	19.32	19.43	19.44	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23330			Tune-up power(dBm)
10	1	LOW	QPSK	22.27			24.00
		MID	QPSK	22.45			24.00
		HIGH	QPSK	22.16			24.00
	25	LOW	QPSK	21.34			23.00
		MID	QPSK	21.47			23.00
		HIGH	QPSK	21.43			23.00
	50	LOW	QPSK	21.38			23.00
10	1	LOW	Q16	21.30			23.00
		MID	Q16	21.64			23.00
		HIGH	Q16	21.40			23.00
	25	LOW	Q16	20.27			22.00
		MID	Q16	20.42			22.00
		HIGH	Q16	20.41			22.00
	50	LOW	Q16	20.33			22.00
10	1	LOW	64QAM	20.27			22.00
		MID	64QAM	20.44			22.00
		HIGH	64QAM	20.24			22.00
	25	LOW	64QAM	19.20			21.00
		MID	64QAM	19.37			21.00
		HIGH	64QAM	19.36			21.00
	50	LOW	64QAM	19.29			21.00

LTE B17-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.56	23.56	23.59	24.00
		MID	QPSK	23.65	23.60	23.74	24.00
		HIGH	QPSK	23.60	23.45	23.46	24.00
	12	LOW	QPSK	22.55	22.50	22.58	23.50
		MID	QPSK	22.64	22.48	22.62	23.50
		HIGH	QPSK	22.58	22.52	22.61	23.50
	25	LOW	QPSK	22.61	22.46	22.60	23.00
5	1	LOW	Q16	22.75	22.95	22.80	23.50
		MID	Q16	22.89	22.93	22.99	23.50
		HIGH	Q16	22.80	22.74	23.03	23.50
	12	LOW	Q16	21.55	21.49	21.58	22.00
		MID	Q16	21.64	21.51	21.50	22.00
		HIGH	Q16	21.56	21.66	21.66	22.00
	25	LOW	Q16	21.60	21.47	21.60	22.00
5	1	LOW	64QAM	21.87	21.58	21.93	22.00
		MID	64QAM	21.62	21.72	21.83	22.00
		HIGH	64QAM	21.61	21.66	21.73	22.00
	12	LOW	64QAM	20.50	20.49	20.62	21.00
		MID	64QAM	20.65	20.56	20.59	21.00
		HIGH	64QAM	20.58	20.60	20.64	21.00
	25	LOW	64QAM	20.61	20.50	20.57	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.48	23.50	23.55	24.00
		MID	QPSK	23.64	23.59	23.65	24.00
		HIGH	QPSK	23.67	23.43	23.37	24.00
	25	LOW	QPSK	22.51	22.54	22.51	23.50
		MID	QPSK	22.59	22.62	22.51	23.50
		HIGH	QPSK	22.53	22.57	22.53	23.50
	50	LOW	QPSK	22.54	22.47	22.44	23.00
10	1	LOW	Q16	22.78	22.84	22.82	23.50
		MID	Q16	22.88	22.84	22.77	23.50
		HIGH	Q16	22.67	22.77	22.78	23.50
	25	LOW	Q16	21.55	21.52	21.42	22.00
		MID	Q16	21.54	21.50	21.51	22.00
		HIGH	Q16	21.56	21.57	21.54	22.00
	50	LOW	Q16	21.55	21.47	21.54	22.00
10	1	LOW	64QAM	21.81	21.62	21.62	22.00
		MID	64QAM	21.78	21.65	21.77	22.00
		HIGH	64QAM	21.74	21.67	21.49	22.00
	25	LOW	64QAM	20.52	20.52	20.60	21.00
		MID	64QAM	20.60	20.47	20.55	21.00
		HIGH	64QAM	20.56	20.55	20.54	21.00
	50	LOW	64QAM	20.53	20.50	20.50	21.00

LTE B25-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26047	26365	26683	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.30	23.37	23.23	24.00
		MID	QPSK	23.47	23.38	23.20	24.00
		HIGH	QPSK	23.49	23.33	23.13	24.00
	3	LOW	QPSK	23.41	23.30	23.16	24.00
		MID	QPSK	23.53	23.35	23.21	24.00
		HIGH	QPSK	23.42	23.34	23.25	24.00
1.4	1	LOW	Q16	22.72	22.68	22.40	23.00
		MID	Q16	22.83	22.74	22.81	23.00
		HIGH	Q16	22.71	22.82	22.64	23.00
	3	LOW	Q16	22.48	22.62	22.48	23.00
		MID	Q16	22.53	22.50	22.37	23.00
		HIGH	Q16	22.49	22.48	22.42	23.00
1.4	1	LOW	Q16	21.43	21.51	21.34	22.00
	3	LOW	64QAM	21.73	21.35	21.36	22.00
		MID	64QAM	21.62	21.48	21.39	22.00
		HIGH	64QAM	21.45	21.71	21.32	22.00
	3	LOW	64QAM	21.34	21.42	21.28	22.00
		MID	64QAM	21.40	21.58	21.50	22.00
1.4	1	LOW	64QAM	21.42	21.37	21.30	22.00
		MID	64QAM	20.42	20.36	20.21	21.00
		HIGH	64QAM	20.42	20.36	20.21	21.00
	3	LOW	64QAM	20.42	20.36	20.21	21.00
		MID	64QAM	20.42	20.36	20.21	21.00
		HIGH	64QAM	20.42	20.36	20.21	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26055	26365	26675	Tune-up power(dBm)
3	1	LOW	QPSK	23.38	23.32	23.21	24.00
		MID	QPSK	23.41	23.43	23.25	24.00
		HIGH	QPSK	23.37	23.42	23.25	24.00
	8	LOW	QPSK	22.47	22.34	22.27	23.00
		MID	QPSK	22.48	22.44	22.28	23.00
		HIGH	QPSK	22.43	22.41	22.32	23.00
3	1	LOW	QPSK	22.48	22.32	22.26	23.00
		MID	Q16	22.73	22.66	22.58	23.00
		HIGH	Q16	22.77	22.95	22.51	23.00
	8	LOW	Q16	22.69	22.57	22.52	23.00
		MID	Q16	21.60	21.50	21.30	22.00
		HIGH	Q16	21.60	21.56	21.34	22.00
3	1	LOW	Q16	21.52	21.56	21.33	22.00
		MID	Q16	21.47	21.34	21.30	22.00
		HIGH	Q16	21.47	21.34	21.30	22.00
	8	LOW	64QAM	21.58	21.43	21.37	22.00
		MID	64QAM	21.64	21.46	21.43	22.00
		HIGH	64QAM	21.46	21.57	21.55	22.00
3	1	LOW	64QAM	20.55	20.38	20.32	21.00
		MID	64QAM	20.50	20.50	20.35	21.00
		HIGH	64QAM	20.50	20.49	20.28	21.00
	8	LOW	64QAM	20.50	20.49	20.28	21.00
		MID	64QAM	20.50	20.49	20.28	21.00
		HIGH	64QAM	20.50	20.49	20.28	21.00
3	1	LOW	64QAM	20.46	20.43	20.22	21.00
		MID	64QAM	20.46	20.43	20.22	21.00
		HIGH	64QAM	20.46	20.43	20.22	21.00
	8	LOW	64QAM	20.46	20.43	20.22	21.00
		MID	64QAM	20.46	20.43	20.22	21.00
		HIGH	64QAM	20.46	20.43	20.22	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26065	26365	26665	Tune-up power(dBm)
5	1	LOW	QPSK	23.28	23.34	23.23	24.00
		MID	QPSK	23.49	23.53	23.16	24.00
		HIGH	QPSK	23.35	23.32	23.23	24.00
	12	LOW	QPSK	22.50	22.31	22.27	23.00
		MID	QPSK	22.51	22.39	22.25	23.00
		HIGH	QPSK	22.47	22.41	22.29	23.00
5	1	LOW	QPSK	22.46	22.43	22.27	23.00
		MID	Q16	22.72	22.56	22.40	23.00
		HIGH	Q16	22.87	22.92	22.62	23.00
	12	LOW	Q16	22.66	22.72	22.41	23.00
		MID	Q16	21.54	21.33	21.29	22.00
		HIGH	Q16	21.49	21.40	21.34	22.00
5	1	LOW	Q16	21.44	21.53	21.33	22.00
		MID	Q16	21.54	21.35	21.33	22.00
		HIGH	Q16	21.54	21.35	21.33	22.00
	12	LOW	64QAM	21.58	21.34	21.34	22.00
		MID	64QAM	21.66	21.60	21.41	22.00
		HIGH	64QAM	21.58	21.44	21.54	22.00
5	1	LOW	64QAM	20.44	20.41	20.28	21.00
		MID	64QAM	20.45	20.37	20.27	21.00
		HIGH	64QAM	20.51	20.44	20.35	21.00
	12	LOW	64QAM	20.51	20.44	20.35	21.00
		MID	64QAM	20.51	20.44	20.35	21.00
		HIGH	64QAM	20.51	20.44	20.35	21.00
5	1	LOW	64QAM	20.40	20.32	20.25	21.00
		MID	64QAM	20.40	20.32	20.25	21.00
		HIGH	64QAM	20.40	20.32	20.25	21.00
	12	LOW	64QAM	20.40	20.32	20.25	21.00
		MID	64QAM	20.40	20.32	20.25	21.00
		HIGH	64QAM	20.40	20.32	20.25	21.00

LTE B25-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26090	26365	26640	Tune-up power(dBm)
10	1	LOW	QPSK	23.29	23.31	23.26	24.00
		MID	QPSK	23.45	23.39	23.30	24.00
		HIGH	QPSK	23.46	23.32	23.13	24.00
	25	LOW	QPSK	22.37	22.31	22.25	23.00
		MID	QPSK	22.45	22.35	22.32	23.00
		HIGH	QPSK	22.46	22.37	22.24	23.00
	50	LOW	QPSK	22.46	22.41	22.21	23.00
10	1	LOW	Q16	22.71	22.59	22.44	23.00
		MID	Q16	22.57	22.86	22.62	23.00
		HIGH	Q16	22.67	22.70	22.54	23.00
	25	LOW	Q16	21.43	21.27	21.21	22.00
		MID	Q16	21.51	21.40	21.25	22.00
		HIGH	Q16	21.50	21.36	21.26	22.00
	50	LOW	Q16	21.47	21.42	21.21	22.00
10	1	LOW	64QAM	21.52	21.65	21.24	22.00
		MID	64QAM	21.61	21.66	21.51	22.00
		HIGH	64QAM	21.40	21.57	21.38	22.00
	25	LOW	64QAM	20.31	20.43	20.17	21.00
		MID	64QAM	20.48	20.41	20.25	21.00
		HIGH	64QAM	20.51	20.35	20.30	21.00
	50	LOW	64QAM	20.50	20.41	20.23	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26115	26365	26615	Tune-up power(dBm)
15	1	LOW	QPSK	23.31	22.99	23.03	24.00
		MID	QPSK	23.25	23.16	23.14	24.00
		HIGH	QPSK	23.35	23.15	23.22	24.00
	36	LOW	QPSK	22.27	22.24	22.15	23.00
		MID	QPSK	22.30	22.14	22.08	23.00
		HIGH	QPSK	22.32	22.27	22.16	23.00
	75	LOW	QPSK	22.30	22.17	22.09	23.00
15	1	LOW	Q16	22.41	22.56	22.41	23.00
		MID	Q16	22.45	22.43	22.29	23.00
		HIGH	Q16	22.46	22.36	22.34	23.00
	36	LOW	Q16	21.20	21.17	21.14	22.00
		MID	Q16	21.36	21.21	21.09	22.00
		HIGH	Q16	21.27	21.27	21.19	22.00
	75	LOW	Q16	21.35	21.15	21.08	22.00
15	1	LOW	64QAM	21.62	21.35	21.27	22.00
		MID	64QAM	21.55	21.39	21.31	22.00
		HIGH	64QAM	21.51	21.35	21.41	22.00
	36	LOW	64QAM	20.26	20.19	20.14	21.00
		MID	64QAM	20.31	20.18	20.12	21.00
		HIGH	64QAM	20.34	20.27	20.08	21.00
	75	LOW	64QAM	20.24	20.20	20.22	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26140	26365	26590	Tune-up power(dBm)
20	1	LOW	QPSK	23.34	23.35	23.06	24.00
		MID	QPSK	23.32	23.22	23.07	24.00
		HIGH	QPSK	23.15	23.13	23.13	24.00
	50	LOW	QPSK	22.28	22.21	22.04	23.00
		MID	QPSK	22.24	22.31	22.20	23.00
		HIGH	QPSK	22.29	22.18	22.09	23.00
	100	LOW	QPSK	22.31	22.20	22.20	23.00
20	1	LOW	Q16	22.40	22.54	22.48	23.00
		MID	Q16	22.35	22.43	22.15	23.00
		HIGH	Q16	22.48	22.37	22.11	23.00
	50	LOW	Q16	21.16	21.22	21.01	22.00
		MID	Q16	21.31	21.28	21.11	22.00
		HIGH	Q16	21.32	21.26	21.11	22.00
	100	LOW	Q16	21.30	21.11	21.17	22.00
20	1	LOW	64QAM	21.46	21.44	21.35	22.00
		MID	64QAM	21.44	21.42	21.37	22.00
		HIGH	64QAM	21.30	21.32	21.20	22.00
	50	LOW	64QAM	20.19	20.24	20.10	21.00
		MID	64QAM	20.31	20.20	20.13	21.00
		HIGH	64QAM	20.34	20.29	20.10	21.00
	100	LOW	64QAM	20.30	20.22	20.14	21.00

LTE B26-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.25	23.18	23.13	24.00
		MID	QPSK	23.21	23.25	23.17	24.00
		HIGH	QPSK	23.25	23.26	23.14	24.00
	3	LOW	QPSK	23.22	23.12	23.17	24.00
		MID	QPSK	23.30	23.21	23.21	24.00
		HIGH	QPSK	23.29	23.19	23.18	24.00
	6	LOW	QPSK	22.20	22.17	22.21	23.00
1.4	1	LOW	Q16	22.53	22.41	22.52	23.00
		MID	Q16	22.52	22.45	22.55	23.00
		HIGH	Q16	22.53	22.46	22.34	23.00
	3	LOW	Q16	22.32	22.24	22.31	23.00
		MID	Q16	22.37	22.24	22.36	23.00
		HIGH	Q16	22.21	22.36	22.28	23.00
	6	LOW	Q16	21.27	21.18	21.20	22.00
1.4	1	LOW	64QAM	21.19	21.37	21.47	22.00
		MID	64QAM	21.39	21.25	21.28	22.00
		HIGH	64QAM	21.40	21.50	21.33	22.00
	3	LOW	64QAM	21.33	21.29	21.32	22.00
		MID	64QAM	21.31	21.29	21.23	22.00
		HIGH	64QAM	21.24	21.38	21.31	22.00
	6	LOW	64QAM	20.24	20.16	20.24	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
3	1	LOW	QPSK	23.23	23.17	23.11	24.00
		MID	QPSK	23.27	23.40	23.23	24.00
		HIGH	QPSK	23.26	23.15	23.20	24.00
	8	LOW	QPSK	22.21	22.17	22.21	23.00
		MID	QPSK	22.30	22.22	22.22	23.00
		HIGH	QPSK	22.20	22.31	22.28	23.00
	15	LOW	QPSK	22.29	22.18	22.25	23.00
3	1	LOW	Q16	22.52	22.55	22.51	23.00
		MID	Q16	22.47	22.61	22.41	23.00
		HIGH	Q16	22.66	22.49	22.30	23.00
	8	LOW	Q16	21.28	21.14	21.29	22.00
		MID	Q16	21.35	21.31	21.38	22.00
		HIGH	Q16	21.28	21.45	21.33	22.00
	15	LOW	Q16	21.29	21.17	21.29	22.00
3	1	LOW	64QAM	21.40	21.41	21.34	22.00
		MID	64QAM	21.48	21.37	21.48	22.00
		HIGH	64QAM	21.26	21.58	21.22	22.00
	8	LOW	64QAM	20.24	20.25	20.17	21.00
		MID	64QAM	20.27	20.30	20.29	21.00
		HIGH	64QAM	20.26	20.31	20.25	21.00
	15	LOW	64QAM	20.26	20.17	20.28	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.34	23.31	23.21	24.00
		MID	QPSK	23.24	23.24	23.33	24.00
		HIGH	QPSK	23.31	23.20	23.12	24.00
	12	LOW	QPSK	22.22	22.30	22.21	23.00
		MID	QPSK	22.36	22.25	22.24	23.00
		HIGH	QPSK	22.32	22.23	22.20	23.00
	25	LOW	QPSK	22.25	22.22	22.20	23.00
5	1	LOW	Q16	22.54	22.51	22.55	23.00
		MID	Q16	22.63	22.66	22.51	23.00
		HIGH	Q16	22.63	22.59	22.60	23.00
	12	LOW	Q16	21.18	21.25	21.19	22.00
		MID	Q16	21.33	21.39	21.25	22.00
		HIGH	Q16	21.30	21.30	21.22	22.00
	25	LOW	Q16	21.31	21.30	21.22	22.00
5	1	LOW	64QAM	21.53	21.56	21.34	22.00
		MID	64QAM	21.41	21.52	21.35	22.00
		HIGH	64QAM	21.51	21.61	21.39	22.00
	12	LOW	64QAM	20.21	20.23	20.18	21.00
		MID	64QAM	20.34	20.31	20.13	21.00
		HIGH	64QAM	20.28	20.26	20.21	21.00
	25	LOW	64QAM	20.27	20.22	20.21	21.00

LTE B26-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	23.40	23.31	23.36	24.00
		MID	QPSK	23.43	23.23	23.32	24.00
		HIGH	QPSK	23.41	23.23	23.17	24.00
	25	LOW	QPSK	22.15	22.25	22.22	23.00
		MID	QPSK	22.36	22.35	22.21	23.00
		HIGH	QPSK	22.31	22.30	22.21	23.00
	50	LOW	QPSK	22.33	22.24	22.19	23.00
10	1	LOW	Q16	22.58	22.70	22.65	23.00
		MID	Q16	22.59	22.49	22.44	23.00
		HIGH	Q16	22.62	22.44	22.44	23.00
	25	LOW	Q16	21.24	21.29	21.23	22.00
		MID	Q16	21.40	21.32	21.19	22.00
		HIGH	Q16	21.38	21.26	21.23	22.00
	50	LOW	Q16	21.36	21.29	21.27	22.00
10	1	LOW	64QAM	21.53	21.57	21.50	22.00
		MID	64QAM	21.55	21.30	21.52	22.00
		HIGH	64QAM	21.43	21.41	21.37	22.00
	25	LOW	64QAM	20.23	20.26	20.27	21.00
		MID	64QAM	20.34	20.25	20.19	21.00
		HIGH	64QAM	20.34	20.29	20.25	21.00
	50	LOW	64QAM	20.33	20.23	20.23	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.03	23.03	23.13	24.00
		MID	QPSK	23.15	23.25	23.04	24.00
		HIGH	QPSK	23.17	22.98	23.14	24.00
	36	LOW	QPSK	22.06	22.20	22.14	23.00
		MID	QPSK	22.13	22.22	22.16	23.00
		HIGH	QPSK	22.12	22.18	22.17	23.00
	75	LOW	QPSK	22.11	22.18	22.09	23.00
15	1	LOW	Q16	22.31	22.33	22.26	23.00
		MID	Q16	22.57	22.58	22.48	23.00
		HIGH	Q16	22.25	22.26	22.17	23.00
	36	LOW	Q16	21.10	21.15	21.11	22.00
		MID	Q16	21.09	21.11	21.16	22.00
		HIGH	Q16	21.06	21.15	21.06	22.00
	75	LOW	Q16	21.02	21.06	21.17	22.00
15	1	LOW	64QAM	21.26	21.04	21.28	22.00
		MID	64QAM	21.22	21.44	21.03	22.00
		HIGH	64QAM	21.05	21.18	21.24	22.00
	36	LOW	64QAM	20.14	20.23	20.17	21.00
		MID	64QAM	20.13	20.13	20.20	21.00
		HIGH	64QAM	20.17	20.21	20.02	21.00
	75	LOW	64QAM	20.10	20.13	20.26	21.00

LTE B30-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	27685	27710	27735	Tune-up power(dBm)
5	1	LOW	QPSK	23.51	23.37	23.42	24.00
		MID	QPSK	23.56	23.58	23.50	24.00
		HIGH	QPSK	23.41	23.47	23.41	24.00
	12	LOW	QPSK	22.45	22.39	22.37	23.00
		MID	QPSK	22.45	22.42	22.51	23.00
		HIGH	QPSK	22.43	22.47	22.46	23.00
	25	LOW	QPSK	22.44	22.41	22.49	23.00
5	1	LOW	Q16	22.77	22.75	22.82	23.00
		MID	Q16	22.79	22.77	22.91	23.00
		HIGH	Q16	22.79	22.88	22.69	23.00
	12	LOW	Q16	21.56	21.47	21.51	22.00
		MID	Q16	21.52	21.45	21.54	22.00
		HIGH	Q16	21.47	21.54	21.54	22.00
	25	LOW	Q16	21.48	21.45	21.45	22.00
5	1	LOW	64QAM	21.60	21.55	21.83	22.00
		MID	64QAM	21.66	21.77	21.69	22.00
		HIGH	64QAM	21.59	21.56	21.55	22.00
	12	LOW	64QAM	20.48	20.44	20.41	21.00
		MID	64QAM	20.58	20.51	20.47	21.00
		HIGH	64QAM	20.46	20.53	20.50	21.00
	25	LOW	64QAM	20.46	20.32	20.43	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	27710			Tune-up power(dBm)
10	1	LOW	QPSK	23.45			24.00
		MID	QPSK	23.57			24.00
		HIGH	QPSK	23.30			24.00
	25	LOW	QPSK	22.47			23.00
		MID	QPSK	22.42			23.00
		HIGH	QPSK	22.51			23.00
	50	LOW	QPSK	22.45			23.00
10	1	LOW	Q16	22.84			23.00
		MID	Q16	22.76			23.00
		HIGH	Q16	22.90			23.00
	25	LOW	Q16	21.42			22.00
		MID	Q16	21.45			22.00
		HIGH	Q16	21.52			22.00
	50	LOW	Q16	21.37			22.00
10	1	LOW	64QAM	21.77			22.00
		MID	64QAM	21.82			22.00
		HIGH	64QAM	21.71			22.00
	25	LOW	64QAM	20.54			21.00
		MID	64QAM	20.45			21.00
		HIGH	64QAM	20.51			21.00
	50	LOW	64QAM	20.40			21.00

LTE B66-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.26	23.18	22.99	24.00
		MID	QPSK	23.21	23.19	23.08	24.00
		HIGH	QPSK	23.27	23.10	22.97	24.00
	3	LOW	QPSK	23.35	23.14	23.05	24.00
		MID	QPSK	23.16	23.14	23.04	24.00
		HIGH	QPSK	23.24	23.17	22.94	24.00
6	LOW	QPSK	22.28	22.10	22.00	23.00	
1.4	1	LOW	Q16	22.64	22.59	22.43	23.00
		MID	Q16	22.64	22.46	22.38	23.00
		HIGH	Q16	22.67	22.36	22.27	23.00
	3	LOW	Q16	22.38	22.23	22.21	23.00
		MID	Q16	22.32	22.20	22.11	23.00
		HIGH	Q16	22.32	22.22	22.12	23.00
6	LOW	Q16	21.36	21.25	21.03	22.00	
1.4	1	LOW	64QAM	21.36	21.29	21.17	22.00
		MID	64QAM	21.51	21.46	21.24	22.00
		HIGH	64QAM	21.33	21.46	21.08	22.00
	3	LOW	64QAM	21.44	21.21	21.18	22.00
		MID	64QAM	21.29	21.30	21.19	22.00
		HIGH	64QAM	21.39	21.23	21.18	22.00
6	LOW	64QAM	20.29	20.17	20.00	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	23.31	23.08	22.93	24.00
		MID	QPSK	23.32	23.23	23.08	24.00
		HIGH	QPSK	23.32	23.12	23.01	24.00
	8	LOW	QPSK	22.34	22.17	22.06	23.00
		MID	QPSK	22.32	22.10	22.04	23.00
		HIGH	QPSK	22.32	22.16	22.09	23.00
15	LOW	QPSK	22.29	22.20	22.03	23.00	
3	1	LOW	Q16	22.35	22.37	22.32	23.00
		MID	Q16	22.48	22.47	22.35	23.00
		HIGH	Q16	22.64	22.70	22.40	23.00
	8	LOW	Q16	21.30	21.25	21.11	22.00
		MID	Q16	21.29	21.21	21.17	22.00
		HIGH	Q16	21.34	21.21	21.12	22.00
15	LOW	Q16	21.18	21.15	21.05	22.00	
3	1	LOW	64QAM	21.27	21.24	21.04	22.00
		MID	64QAM	21.52	21.47	21.22	22.00
		HIGH	64QAM	21.54	21.32	21.04	22.00
	8	LOW	64QAM	20.31	20.15	20.14	21.00
		MID	64QAM	20.30	20.25	20.09	21.00
		HIGH	64QAM	20.32	20.17	19.99	21.00
15	LOW	64QAM	20.29	20.14	20.06	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	23.23	23.01	22.92	24.00
		MID	QPSK	23.38	23.25	22.99	24.00
		HIGH	QPSK	23.17	23.13	23.13	24.00
	12	LOW	QPSK	22.31	22.14	22.06	23.00
		MID	QPSK	22.25	22.15	22.06	23.00
		HIGH	QPSK	22.29	22.16	22.09	23.00
25	LOW	QPSK	22.27	22.18	22.07	23.00	
5	1	LOW	Q16	22.64	22.39	22.40	23.00
		MID	Q16	22.61	22.56	22.27	23.00
		HIGH	Q16	22.56	22.44	22.31	23.00
	12	LOW	Q16	21.28	21.15	21.12	22.00
		MID	Q16	21.38	21.17	21.13	22.00
		HIGH	Q16	21.23	21.17	21.13	22.00
25	LOW	Q16	21.26	21.19	21.11	22.00	
5	1	LOW	64QAM	21.49	21.36	21.19	22.00
		MID	64QAM	21.50	21.33	21.11	22.00
		HIGH	64QAM	21.31	21.30	21.15	22.00
	12	LOW	64QAM	20.24	20.13	20.11	21.00
		MID	64QAM	20.36	20.23	20.08	21.00
		HIGH	64QAM	20.24	20.17	20.08	21.00
25	LOW	64QAM	20.27	20.21	20.00	21.00	

LTE B66-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	23.18	23.11	23.13	24.00
		MID	QPSK	23.29	23.21	23.06	24.00
		HIGH	QPSK	23.21	23.13	22.96	24.00
	25	LOW	QPSK	22.25	22.12	22.07	23.00
		MID	QPSK	22.31	22.21	22.07	23.00
		HIGH	QPSK	22.27	22.17	22.10	23.00
	50	LOW	QPSK	22.33	22.14	22.04	23.00
	10	LOW	Q16	22.57	22.50	22.28	23.00
		MID	Q16	22.61	22.48	22.28	23.00
		HIGH	Q16	22.43	22.40	22.36	23.00
	25	LOW	Q16	21.28	21.23	21.07	22.00
		MID	Q16	21.36	21.24	21.07	22.00
		HIGH	Q16	21.25	21.18	21.08	22.00
	50	LOW	Q16	21.30	21.14	21.08	22.00
10	1	LOW	64QAM	21.33	21.22	21.14	22.00
		MID	64QAM	21.42	21.29	21.16	22.00
		HIGH	64QAM	21.47	21.30	21.19	22.00
	25	LOW	64QAM	20.24	20.18	20.06	21.00
		MID	64QAM	20.29	20.20	20.06	21.00
		HIGH	64QAM	20.28	20.18	20.05	21.00
	50	LOW	64QAM	20.27	20.13	20.05	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	23.05	22.97	22.95	24.00
		MID	QPSK	23.16	22.89	23.01	24.00
		HIGH	QPSK	22.97	23.06	22.82	24.00
	36	LOW	QPSK	22.19	21.92	22.08	23.00
		MID	QPSK	22.12	22.05	22.04	23.00
		HIGH	QPSK	22.07	22.10	22.05	23.00
	75	LOW	QPSK	22.12	21.93	22.05	23.00
	15	LOW	Q16	22.22	22.34	22.63	23.00
		MID	Q16	22.43	22.17	22.28	23.00
		HIGH	Q16	22.49	22.36	22.08	23.00
	36	LOW	Q16	21.15	20.98	20.97	22.00
		MID	Q16	21.20	21.05	21.05	22.00
		HIGH	Q16	21.15	21.01	21.04	22.00
	75	LOW	Q16	21.07	20.92	21.06	22.00
15	1	LOW	64QAM	21.28	21.01	21.09	22.00
		MID	64QAM	21.38	21.11	21.15	22.00
		HIGH	64QAM	21.29	21.10	21.16	22.00
	36	LOW	64QAM	20.12	19.97	20.06	21.00
		MID	64QAM	20.18	19.99	20.04	21.00
		HIGH	64QAM	20.14	20.00	19.98	21.00
	75	LOW	64QAM	20.17	20.04	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	22.99	23.00	23.04	24.00
		MID	QPSK	23.00	23.19	23.14	24.00
		HIGH	QPSK	23.04	22.96	22.93	24.00
	50	LOW	QPSK	22.08	21.97	22.13	23.00
		MID	QPSK	22.15	22.16	22.02	23.00
		HIGH	QPSK	22.05	22.08	22.05	23.00
	100	LOW	QPSK	22.14	22.02	22.10	23.00
	20	LOW	Q16	22.42	22.39	22.32	23.00
		MID	Q16	22.25	22.09	22.41	23.00
		HIGH	Q16	22.36	22.21	22.50	23.00
	50	LOW	Q16	21.22	21.05	21.14	22.00
		MID	Q16	21.12	21.06	21.13	22.00
		HIGH	Q16	21.02	21.10	21.07	22.00
	100	LOW	Q16	21.11	20.93	21.12	22.00
20	1	LOW	64QAM	21.29	21.24	21.19	22.00
		MID	64QAM	21.40	21.18	21.12	22.00
		HIGH	64QAM	21.28	21.29	21.26	22.00
	50	LOW	64QAM	20.08	19.94	20.14	21.00
		MID	64QAM	20.15	20.07	20.12	21.00
		HIGH	64QAM	20.06	20.10	20.07	21.00
	100	LOW	64QAM	20.18	19.95	20.09	21.00

LTE B66-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.35	23.38	23.33	24.00
		MID	QPSK	23.21	23.34	23.31	24.00
		HIGH	QPSK	23.20	23.29	23.18	24.00
	3	LOW	QPSK	22.38	22.18	22.16	24.00
		MID	QPSK	22.17	22.39	22.37	24.00
		HIGH	QPSK	22.24	22.29	22.29	24.00
6	LOW	QPSK	22.36	22.37	22.28	23.00	
1.4	1	LOW	Q16	22.25	22.34	22.22	23.00
		MID	Q16	22.38	22.32	22.39	23.00
		HIGH	Q16	22.19	22.30	22.29	23.00
	3	LOW	Q16	21.40	21.32	21.24	23.00
		MID	Q16	21.21	21.40	21.31	23.00
		HIGH	Q16	21.28	21.17	21.20	23.00
6	LOW	Q16	21.18	21.19	21.33	22.00	
1.4	1	LOW	64QAM	21.22	21.20	21.31	22.00
		MID	64QAM	21.18	21.26	21.40	22.00
		HIGH	64QAM	21.37	21.32	21.28	22.00
	3	LOW	64QAM	20.17	20.31	20.22	22.00
		MID	64QAM	20.35	20.17	20.38	22.00
		HIGH	64QAM	20.17	20.33	20.30	22.00
6	LOW	64QAM	20.23	20.24	20.20	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	23.19	23.26	23.36	24.00
		MID	QPSK	23.16	23.40	23.16	24.00
		HIGH	QPSK	23.40	23.20	23.39	24.00
	8	LOW	QPSK	22.22	22.22	22.28	23.00
		MID	QPSK	22.36	22.15	22.20	23.00
		HIGH	QPSK	22.31	22.26	22.16	23.00
15	LOW	QPSK	22.19	22.21	22.40	23.00	
3	1	LOW	Q16	22.38	22.19	22.31	23.00
		MID	Q16	22.28	22.36	22.31	23.00
		HIGH	Q16	22.38	22.23	22.15	23.00
	8	LOW	Q16	21.18	21.31	21.32	22.00
		MID	Q16	21.17	21.29	21.30	22.00
		HIGH	Q16	21.35	21.27	21.39	22.00
15	LOW	Q16	21.23	21.34	21.19	22.00	
3	1	LOW	64QAM	21.20	21.24	21.25	22.00
		MID	64QAM	21.40	21.27	21.32	22.00
		HIGH	64QAM	21.22	21.40	21.30	22.00
	8	LOW	64QAM	20.32	20.37	20.35	21.00
		MID	64QAM	20.18	20.22	20.26	21.00
		HIGH	64QAM	20.23	20.35	20.39	21.00
15	LOW	64QAM	20.23	20.39	20.18	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	23.20	23.33	23.16	24.00
		MID	QPSK	23.24	23.24	23.17	24.00
		HIGH	QPSK	23.32	23.33	23.23	24.00
	12	LOW	QPSK	22.18	22.28	22.33	23.00
		MID	QPSK	22.31	22.37	22.16	23.00
		HIGH	QPSK	22.31	22.16	22.21	23.00
25	LOW	QPSK	22.35	22.26	22.16	23.00	
5	1	LOW	Q16	22.25	22.30	22.35	23.00
		MID	Q16	22.40	22.38	22.30	23.00
		HIGH	Q16	22.23	22.27	22.39	23.00
	12	LOW	Q16	21.38	21.27	21.34	22.00
		MID	Q16	21.40	21.28	21.20	22.00
		HIGH	Q16	21.37	21.31	21.20	22.00
25	LOW	Q16	21.16	21.20	21.21	22.00	
5	1	LOW	64QAM	21.33	21.37	21.22	22.00
		MID	64QAM	21.24	21.21	21.29	22.00
		HIGH	64QAM	21.21	21.32	21.17	22.00
	12	LOW	64QAM	20.24	20.31	20.25	21.00
		MID	64QAM	20.25	20.27	20.39	21.00
		HIGH	64QAM	20.25	20.19	20.28	21.00
25	LOW	64QAM	20.40	20.25	20.23	21.00	

LTE B66-Full Power -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	23.18	23.30	23.27	24.00
		MID	QPSK	23.20	23.35	23.31	24.00
		HIGH	QPSK	23.38	23.23	23.19	24.00
	25	LOW	QPSK	22.36	22.15	22.19	23.00
		MID	QPSK	22.23	22.39	22.27	23.00
		HIGH	QPSK	22.38	22.29	22.21	23.00
	50	LOW	QPSK	22.30	22.36	22.23	23.00
10	1	LOW	Q16	22.34	22.27	22.18	23.00
		MID	Q16	22.15	22.27	22.19	23.00
		HIGH	Q16	22.27	22.38	22.35	23.00
	25	LOW	Q16	21.35	21.18	21.23	22.00
		MID	Q16	21.26	21.21	21.19	22.00
		HIGH	Q16	21.23	21.37	21.28	22.00
	50	LOW	Q16	21.25	21.15	21.23	22.00
10	1	LOW	64QAM	21.15	21.32	21.36	22.00
		MID	64QAM	21.34	21.36	21.15	22.00
		HIGH	64QAM	21.21	21.25	21.27	22.00
	25	LOW	64QAM	20.35	20.17	20.23	21.00
		MID	64QAM	20.40	20.16	20.16	21.00
		HIGH	64QAM	20.26	20.32	20.23	21.00
	50	LOW	64QAM	20.35	20.25	20.25	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	23.17	23.20	23.27	24.00
		MID	QPSK	23.25	23.20	23.37	24.00
		HIGH	QPSK	23.33	23.34	23.33	24.00
	36	LOW	QPSK	22.18	22.27	22.19	23.00
		MID	QPSK	22.37	22.22	22.37	23.00
		HIGH	QPSK	22.26	22.40	22.16	23.00
	75	LOW	QPSK	22.25	22.19	22.33	23.00
15	1	LOW	Q16	22.18	22.17	22.29	23.00
		MID	Q16	22.32	22.35	22.28	23.00
		HIGH	Q16	22.36	22.17	22.27	23.00
	36	LOW	Q16	21.29	21.28	21.19	22.00
		MID	Q16	21.21	21.21	21.16	22.00
		HIGH	Q16	21.23	21.34	21.27	22.00
	75	LOW	Q16	21.31	21.31	21.16	22.00
15	1	LOW	64QAM	21.15	21.24	21.20	22.00
		MID	64QAM	21.20	21.22	21.30	22.00
		HIGH	64QAM	21.35	21.19	21.25	22.00
	36	LOW	64QAM	20.35	20.39	20.23	21.00
		MID	64QAM	20.25	20.39	20.20	21.00
		HIGH	64QAM	20.16	20.19	20.21	21.00
	75	LOW	64QAM	20.21	20.22	20.30	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	23.36	23.39	23.28	24.00
		MID	QPSK	23.19	23.23	23.37	24.00
		HIGH	QPSK	23.15	23.19	23.39	24.00
	50	LOW	QPSK	22.36	22.39	22.33	23.00
		MID	QPSK	22.25	22.31	22.30	23.00
		HIGH	QPSK	22.38	22.34	22.19	23.00
	100	LOW	QPSK	22.37	22.25	22.22	23.00
20	1	LOW	Q16	22.21	22.18	22.16	23.00
		MID	Q16	22.27	22.23	22.20	23.00
		HIGH	Q16	22.38	22.20	22.23	23.00
	50	LOW	Q16	21.40	21.30	21.29	22.00
		MID	Q16	21.37	21.27	21.28	22.00
		HIGH	Q16	21.15	21.26	21.35	22.00
	100	LOW	Q16	21.36	21.20	21.39	22.00
20	1	LOW	64QAM	21.20	21.32	21.39	22.00
		MID	64QAM	21.26	21.32	21.25	22.00
		HIGH	64QAM	21.40	21.30	21.40	22.00
	50	LOW	64QAM	20.28	20.38	20.34	21.00
		MID	64QAM	20.18	20.20	20.18	21.00
		HIGH	64QAM	20.29	20.18	20.31	21.00
	100	LOW	64QAM	20.36	20.38	20.34	21.00

LTE B71-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	133147	133297	133447	Tune-up power(dBm)
5	1	LOW	QPSK	23.71	23.57	23.56	24.00
		MID	QPSK	23.75	23.51	23.65	24.00
		HIGH	QPSK	23.56	23.49	23.48	24.00
	12	LOW	QPSK	22.57	22.49	22.54	23.00
		MID	QPSK	22.64	22.41	22.55	23.00
		HIGH	QPSK	22.59	22.49	22.64	23.00
	25	LOW	QPSK	22.61	22.53	22.49	23.00
5	1	LOW	Q16	22.84	22.93	22.88	23.00
		MID	Q16	22.97	22.80	22.92	23.00
		HIGH	Q16	22.69	22.77	22.84	23.00
	12	LOW	Q16	21.65	21.44	21.54	22.00
		MID	Q16	21.71	21.58	21.69	22.00
		HIGH	Q16	21.65	21.54	21.64	22.00
	25	LOW	Q16	21.63	21.43	21.51	22.00
5	1	LOW	64QAM	21.91	21.77	21.77	22.00
		MID	64QAM	21.82	21.70	21.84	22.00
		HIGH	64QAM	21.72	21.71	21.67	22.00
	12	LOW	64QAM	20.62	20.49	20.47	21.00
		MID	64QAM	20.74	20.48	20.69	21.00
		HIGH	64QAM	20.66	20.52	20.63	21.00
	25	LOW	64QAM	20.53	20.44	20.57	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	133172	133297	133422	Tune-up power(dBm)
10	1	LOW	QPSK	23.72	23.59	23.71	24.00
		MID	QPSK	23.62	23.58	23.65	24.00
		HIGH	QPSK	23.53	23.44	23.57	24.00
	25	LOW	QPSK	22.63	22.53	22.50	23.00
		MID	QPSK	22.67	22.61	22.66	23.00
		HIGH	QPSK	22.61	22.47	22.56	23.00
	50	LOW	QPSK	22.63	22.45	22.55	23.00
10	1	LOW	Q16	22.80	22.81	22.92	23.00
		MID	Q16	22.99	22.83	22.95	23.00
		HIGH	Q16	22.79	22.86	22.85	23.00
	25	LOW	Q16	21.59	21.43	21.58	22.00
		MID	Q16	21.63	21.50	21.65	22.00
		HIGH	Q16	21.54	21.48	21.55	22.00
	50	LOW	Q16	21.62	21.47	21.63	22.00
10	1	LOW	64QAM	21.93	21.81	21.95	22.00
		MID	64QAM	21.86	21.73	21.87	22.00
		HIGH	64QAM	21.56	21.58	21.74	22.00
	25	LOW	64QAM	20.55	20.50	20.65	21.00
		MID	64QAM	20.72	20.57	20.65	21.00
		HIGH	64QAM	20.47	20.55	20.49	21.00
	50	LOW	64QAM	20.67	20.47	20.61	21.00

LTE B71-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	133197	133297	133397	Tune-up power(dBm)
15	1	LOW	QPSK	23.41	23.30	23.49	24.00
		MID	QPSK	23.54	23.51	23.51	24.00
		HIGH	QPSK	23.26	23.29	23.29	24.00
	36	LOW	QPSK	22.44	22.39	22.35	23.00
		MID	QPSK	22.51	22.38	22.32	23.00
		HIGH	QPSK	22.37	22.29	22.51	23.00
	75	LOW	QPSK	22.49	22.40	22.40	23.00
15	1	LOW	Q16	22.71	22.59	22.77	23.00
		MID	Q16	22.63	22.67	22.44	23.00
		HIGH	Q16	22.58	22.56	22.73	23.00
	36	LOW	Q16	21.49	21.35	21.40	22.00
		MID	Q16	21.46	21.34	21.46	22.00
		HIGH	Q16	21.38	21.31	21.40	22.00
	75	LOW	Q16	21.50	21.37	21.45	22.00
15	1	LOW	64QAM	21.68	21.56	21.58	22.00
		MID	64QAM	21.66	21.36	21.68	22.00
		HIGH	64QAM	21.36	21.16	21.43	22.00
	36	LOW	64QAM	20.44	20.41	20.50	21.00
		MID	64QAM	20.48	20.35	20.36	21.00
		HIGH	64QAM	20.48	20.32	20.47	21.00
	75	LOW	64QAM	20.51	20.33	20.44	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	133222	133322	133372	Tune-up power(dBm)
20	1	LOW	QPSK	23.33	23.41	23.51	24.00
		MID	QPSK	23.39	23.55	23.38	24.00
		HIGH	QPSK	23.22	23.49	23.33	24.00
	50	LOW	QPSK	22.47	22.47	22.43	23.00
		MID	QPSK	22.47	22.45	22.44	23.00
		HIGH	QPSK	22.38	22.32	22.34	23.00
	100	LOW	QPSK	22.49	22.39	22.56	23.00
20	1	LOW	Q16	22.77	22.79	22.74	23.00
		MID	Q16	22.70	22.49	22.56	23.00
		HIGH	Q16	22.50	22.47	22.69	23.00
	50	LOW	Q16	21.54	21.33	21.51	22.00
		MID	Q16	21.46	21.41	21.52	22.00
		HIGH	Q16	21.43	21.29	21.37	22.00
	100	LOW	Q16	21.46	21.31	21.56	22.00
20	1	LOW	64QAM	21.62	21.51	21.60	22.00
		MID	64QAM	21.58	21.57	21.50	22.00
		HIGH	64QAM	21.34	21.48	21.36	22.00
	50	LOW	64QAM	20.47	20.49	20.46	21.00
		MID	64QAM	20.48	20.38	20.48	21.00
		HIGH	64QAM	20.27	20.34	20.39	21.00
	100	LOW	64QAM	20.63	20.34	20.48	21.00

LTE B38-Full Power -Ant.0							
Bandwidth (M)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.33	23.41	23.41	24.00
		MID	QPSK	23.37	23.44	23.56	24.00
		HIGH	QPSK	23.34	23.39	23.50	24.00
	12	LOW	QPSK	22.46	22.40	22.31	23.00
		MID	QPSK	22.47	22.39	22.38	23.00
		HIGH	QPSK	22.41	22.33	22.44	23.00
	25	LOW	QPSK	22.45	22.32	22.35	23.00
5	1	LOW	Q16	22.77	22.79	22.78	23.00
		MID	Q16	22.81	22.75	22.82	23.00
		HIGH	Q16	22.76	22.75	22.77	23.00
	12	LOW	Q16	21.52	21.37	21.36	22.00
		MID	Q16	21.49	21.43	21.43	22.00
		HIGH	Q16	21.55	21.39	21.46	22.00
	25	LOW	Q16	21.48	21.39	21.34	22.00
5	1	LOW	64QAM	21.56	21.62	21.67	22.00
		MID	64QAM	21.82	21.62	21.56	22.00
		HIGH	64QAM	21.58	21.55	21.63	22.00
	12	LOW	64QAM	20.48	20.45	20.34	21.00
		MID	64QAM	20.52	20.47	20.41	21.00
		HIGH	64QAM	20.49	20.44	20.48	21.00
	25	LOW	64QAM	20.45	20.36	20.33	21.00
Bandwidth (M)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.48	23.36	23.41	24.00
		MID	QPSK	23.60	23.46	23.46	24.00
		HIGH	QPSK	23.48	23.42	23.40	24.00
	25	LOW	QPSK	22.46	22.43	22.32	23.00
		MID	QPSK	22.50	22.38	22.41	23.00
		HIGH	QPSK	22.40	22.35	22.44	23.00
	50	LOW	QPSK	22.41	22.39	22.37	23.00
10	1	LOW	Q16	22.67	22.68	22.63	23.00
		MID	Q16	22.76	22.77	22.81	23.00
		HIGH	Q16	22.73	22.59	22.64	23.00
	25	LOW	Q16	21.48	21.38	21.39	22.00
		MID	Q16	21.54	21.42	21.42	22.00
		HIGH	Q16	21.41	21.36	21.40	22.00
	50	LOW	Q16	21.49	21.38	21.36	22.00
10	1	LOW	64QAM	21.72	21.65	21.61	22.00
		MID	64QAM	21.62	21.73	21.77	22.00
		HIGH	64QAM	21.59	21.56	21.60	22.00
	25	LOW	64QAM	20.51	20.42	20.38	21.00
		MID	64QAM	20.49	20.42	20.41	21.00
		HIGH	64QAM	20.45	20.39	20.45	21.00
	50	LOW	64QAM	20.46	20.36	20.37	21.00

LTE B38-Full Power -Ant.0							
Bandwidth (M)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	23.22	23.05	23.04	24.00
		MID	QPSK	23.18	23.10	23.11	24.00
		HIGH	QPSK	23.06	23.06	23.04	24.00
	36	LOW	QPSK	22.37	22.28	22.24	23.00
		MID	QPSK	22.33	22.26	22.22	23.00
		HIGH	QPSK	22.32	22.29	22.35	23.00
	75	LOW	QPSK	22.31	22.31	22.22	23.00
15	1	LOW	Q16	22.52	22.57	22.61	23.00
		MID	Q16	22.61	22.71	22.53	23.00
		HIGH	Q16	22.46	22.39	22.45	23.00
	36	LOW	Q16	21.34	21.30	21.19	22.00
		MID	Q16	21.40	21.31	21.25	22.00
		HIGH	Q16	21.35	21.28	21.40	22.00
	75	LOW	Q16	21.33	21.26	21.26	22.00
15	1	LOW	64QAM	21.54	21.46	21.39	22.00
		MID	64QAM	21.42	21.35	21.41	22.00
		HIGH	64QAM	21.45	21.33	21.55	22.00
	36	LOW	64QAM	20.31	20.31	20.28	21.00
		MID	64QAM	20.36	20.23	20.28	21.00
		HIGH	64QAM	20.36	20.26	20.34	21.00
	75	LOW	64QAM	20.36	20.25	20.25	21.00
Bandwidth (M)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.39	23.14	23.09	24.00
		MID	QPSK	23.22	23.09	23.13	24.00
		HIGH	QPSK	23.05	22.97	23.07	24.00
	50	LOW	QPSK	22.42	22.32	22.20	23.00
		MID	QPSK	22.29	22.27	22.36	23.00
		HIGH	QPSK	22.31	22.27	22.34	23.00
	100	LOW	QPSK	22.37	22.27	22.35	23.00
20	1	LOW	Q16	22.58	22.54	22.50	23.00
		MID	Q16	22.63	22.50	22.51	23.00
		HIGH	Q16	22.26	22.48	22.46	23.00
	50	LOW	Q16	21.41	21.36	21.29	22.00
		MID	Q16	21.39	21.32	21.39	22.00
		HIGH	Q16	21.35	21.30	21.40	22.00
	100	LOW	Q16	21.35	21.28	21.35	22.00
20	1	LOW	64QAM	21.64	21.46	21.47	22.00
		MID	64QAM	21.49	21.38	21.31	22.00
		HIGH	64QAM	21.41	21.39	21.44	22.00
	50	LOW	64QAM	20.38	20.28	20.27	21.00
		MID	64QAM	20.38	20.34	20.39	21.00
		HIGH	64QAM	20.35	20.28	20.36	21.00
	100	LOW	64QAM	20.32	20.34	20.36	21.00

LTE B41-Full Power -Ant.3									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	23.59	23.46	23.56	23.67	23.80	24.00
		MID	QPSK	23.63	23.71	23.46	23.50	24.00	24.00
		HIGH	QPSK	23.51	23.45	23.38	23.52	23.83	24.00
	12	LOW	QPSK	22.58	22.72	22.34	22.46	22.84	23.00
		MID	QPSK	22.59	22.49	22.44	22.49	22.86	23.00
		HIGH	QPSK	22.56	22.47	22.38	22.69	22.92	23.00
25	LOW	QPSK	22.58	22.49	22.40	22.55	22.83	23.00	
5	1	LOW	Q16	22.92	22.99	22.68	22.77	23.18	23.50
		MID	Q16	22.89	22.88	22.73	22.96	23.42	23.50
		HIGH	Q16	22.79	22.79	22.72	22.91	23.20	23.50
	12	LOW	Q16	21.57	21.72	21.39	21.54	21.97	22.00
		MID	Q16	21.60	21.62	21.52	21.63	21.94	22.00
		HIGH	Q16	21.62	21.48	21.38	21.71	21.91	22.00
25	LOW	Q16	21.59	21.46	21.44	21.44	21.85	22.00	
5	1	LOW	64QAM	21.59	21.65	21.58	21.59	22.18	22.50
		MID	64QAM	21.86	21.83	21.65	21.73	22.26	22.50
		HIGH	64QAM	21.89	21.97	21.61	22.03	22.19	22.50
	12	LOW	64QAM	20.62	20.69	20.38	20.75	20.78	21.00
		MID	64QAM	20.63	20.64	20.48	20.70	20.94	21.00
		HIGH	64QAM	20.54	20.56	20.44	20.61	20.92	21.00
25	LOW	64QAM	20.55	20.55	20.35	20.49	20.87	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	23.65	23.63	23.35	23.64	23.90	24.00
		MID	QPSK	23.71	23.74	23.42	23.57	23.90	24.00
		HIGH	QPSK	23.61	23.66	23.32	23.53	23.91	24.00
	25	LOW	QPSK	22.57	22.60	22.36	22.44	22.79	23.00
		MID	QPSK	22.52	22.50	22.41	22.67	22.97	23.00
		HIGH	QPSK	22.47	22.64	22.38	22.43	22.93	23.00
50	LOW	QPSK	22.50	22.71	22.42	22.63	22.91	23.00	
10	1	LOW	Q16	22.95	22.79	22.70	22.81	23.23	23.50
		MID	Q16	22.90	23.01	22.65	22.89	23.36	23.50
		HIGH	Q16	22.94	22.77	22.77	22.72	23.28	23.50
	25	LOW	Q16	21.60	21.66	21.38	21.54	21.83	22.00
		MID	Q16	21.55	21.60	21.46	21.75	21.99	22.00
		HIGH	Q16	21.54	21.77	21.44	21.47	21.97	22.00
50	LOW	Q16	21.54	21.44	21.42	21.50	21.94	22.00	
10	1	LOW	64QAM	21.74	21.54	21.52	21.52	22.11	22.50
		MID	64QAM	21.91	21.84	21.75	22.01	22.18	22.50
		HIGH	64QAM	21.68	22.00	21.73	21.92	22.27	22.50
	25	LOW	64QAM	20.60	20.66	20.37	20.56	20.83	21.00
		MID	64QAM	20.51	20.62	20.48	20.73	20.92	21.00
		HIGH	64QAM	20.53	20.50	20.45	20.56	20.96	21.00
50	LOW	64QAM	20.54	20.44	20.41	20.51	20.95	21.00	

LTE B41-Full Power -Ant.3									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	23.25	23.69	23.22	23.46	23.53	24.00
		MID	QPSK	23.29	23.71	23.15	23.76	23.59	24.00
		HIGH	QPSK	23.28	23.47	23.17	23.57	23.58	24.00
	36	LOW	QPSK	22.45	22.62	22.22	22.59	22.68	23.00
		MID	QPSK	22.46	22.67	22.30	22.48	22.80	23.00
		HIGH	QPSK	22.43	22.59	22.33	22.47	22.80	23.00
	75	LOW	QPSK	22.43	22.61	22.33	22.69	22.77	23.00
15	1	LOW	Q16	22.63	23.02	22.47	22.82	23.03	23.50
		MID	Q16	22.67	22.81	22.36	22.74	23.09	23.50
		HIGH	Q16	22.63	22.75	22.49	22.68	22.93	23.50
	36	LOW	Q16	21.46	21.68	21.19	21.65	21.70	22.00
		MID	Q16	21.49	21.63	21.30	21.69	21.83	22.00
		HIGH	Q16	21.49	21.62	21.28	21.77	21.82	22.00
	75	LOW	Q16	21.45	21.63	21.32	21.67	21.75	22.00
15	1	LOW	64QAM	21.62	21.46	21.54	21.72	21.91	22.50
		MID	64QAM	21.50	21.95	21.49	21.88	22.07	22.50
		HIGH	64QAM	21.56	21.91	21.53	21.76	21.93	22.50
	36	LOW	64QAM	20.48	20.75	20.30	20.69	20.71	21.00
		MID	64QAM	20.52	20.69	20.32	20.66	20.82	21.00
		HIGH	64QAM	20.41	20.66	20.33	20.53	20.86	21.00
	75	LOW	64QAM	20.50	20.64	20.33	20.44	20.76	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	23.32	23.50	23.20	23.55	23.04	24.00
		MID	QPSK	23.17	23.44	23.60	23.48	23.58	24.00
		HIGH	QPSK	23.26	23.39	23.15	23.59	23.56	24.00
	50	LOW	QPSK	22.48	22.48	22.23	22.63	22.68	23.00
		MID	QPSK	22.46	22.69	22.70	22.34	22.70	23.00
		HIGH	QPSK	22.37	22.51	22.32	22.59	22.81	23.00
100	LOW	QPSK	22.44	22.63	22.33	22.70	22.71	23.00	
20	1	LOW	Q16	22.59	22.91	22.70	22.93	23.10	23.50
		MID	Q16	22.57	22.77	22.50	23.04	22.86	23.50
		HIGH	Q16	22.47	22.86	22.54	22.78	23.40	23.50
	50	LOW	Q16	21.49	21.67	21.29	21.49	21.72	22.00
		MID	Q16	21.46	21.63	21.37	21.72	21.71	22.00
		HIGH	Q16	21.43	21.77	21.31	21.65	21.79	22.00
100	LOW	Q16	21.51	21.45	21.36	21.63	21.70	22.00	
20	1	LOW	64QAM	21.43	21.67	21.46	21.64	21.91	22.50
		MID	64QAM	21.72	21.95	21.50	21.73	22.06	22.50
		HIGH	64QAM	21.51	21.90	21.43	21.85	21.94	22.50
	50	LOW	64QAM	20.49	20.60	20.28	20.77	20.70	21.00
		MID	64QAM	20.47	20.60	20.32	20.55	20.74	21.00
		HIGH	64QAM	20.37	20.64	20.30	20.61	20.83	21.00
	100	LOW	64QAM	20.52	20.47	20.40	20.50	20.70	21.00

LTE B43-Full Power -Ant.1							
Bandwidth (M	RB Size	RB offset	Modulation	43615	44590	45565	Tune-up power(dBm)
5	1	LOW	QPSK	24.07	24.06	23.71	24.50
		MID	QPSK	24.12	24.24	23.74	24.50
		HIGH	QPSK	24.09	24.21	23.71	24.50
	12	LOW	QPSK	23.03	23.02	22.68	23.50
		MID	QPSK	23.08	23.05	22.68	23.50
		HIGH	QPSK	23.02	23.14	22.69	23.50
	25	LOW	QPSK	23.01	23.05	22.68	23.50
5	1	LOW	Q16	23.27	23.42	23.12	23.50
		MID	Q16	23.39	23.46	23.16	23.50
		HIGH	Q16	23.40	23.46	23.02	23.50
	12	LOW	Q16	22.06	21.99	21.75	22.50
		MID	Q16	22.08	22.10	21.79	22.50
		HIGH	Q16	22.13	22.18	21.79	22.50
	25	LOW	Q16	22.06	22.05	21.66	22.50
5	1	LOW	64QAM	22.27	22.24	21.82	22.50
		MID	64QAM	22.39	22.45	21.89	22.50
		HIGH	64QAM	22.34	22.46	21.91	22.50
	12	LOW	64QAM	21.08	21.04	20.67	21.50
		MID	64QAM	21.11	21.11	20.75	21.50
		HIGH	64QAM	21.05	21.11	20.71	21.50
	25	LOW	64QAM	21.04	21.03	20.69	21.50
Bandwidth (M	RB Size	RB offset	Modulation	43640	44590	45540	Tune-up power(dBm)
10	1	LOW	QPSK	24.05	24.10	23.81	24.50
		MID	QPSK	24.07	24.18	23.81	24.50
		HIGH	QPSK	24.05	24.15	23.84	24.50
	25	LOW	QPSK	23.00	23.06	22.76	23.50
		MID	QPSK	23.04	23.07	22.84	23.50
		HIGH	QPSK	23.01	23.16	22.78	23.50
	50	LOW	QPSK	23.02	23.05	22.79	23.50
10	1	LOW	Q16	23.38	23.41	23.14	23.50
		MID	Q16	23.48	23.43	23.20	23.50
		HIGH	Q16	23.30	23.41	23.11	23.50
	25	LOW	Q16	22.03	22.07	21.73	22.50
		MID	Q16	22.11	22.06	21.79	22.50
		HIGH	Q16	22.07	22.15	21.81	22.50
	50	LOW	Q16	22.02	22.06	21.77	22.50
10	1	LOW	64QAM	22.29	22.32	21.98	22.50
		MID	64QAM	22.37	22.44	22.06	22.50
		HIGH	64QAM	22.15	22.36	22.10	22.50
	25	LOW	64QAM	21.04	21.07	20.75	21.50
		MID	64QAM	21.04	21.11	20.81	21.50
		HIGH	64QAM	21.02	21.17	20.79	21.50
	50	LOW	64QAM	21.05	21.05	20.77	21.50

LTE B43-Full Power -Ant.1							
Bandwidth (M)	RB Size	RB offset	Modulation	43665	44590	45515	Tune-up power(dBm)
15	1	LOW	QPSK	23.55	23.65	23.38	24.50
		MID	QPSK	23.77	23.78	23.47	24.50
		HIGH	QPSK	23.66	23.80	23.48	24.50
	36	LOW	QPSK	22.88	22.90	22.55	23.50
		MID	QPSK	22.89	22.93	22.67	23.50
		HIGH	QPSK	22.90	23.04	22.67	23.50
	75	LOW	QPSK	22.88	22.97	22.58	23.50
15	1	LOW	Q16	23.01	23.15	22.63	23.50
		MID	Q16	23.18	23.08	22.94	23.50
		HIGH	Q16	23.16	23.14	22.80	23.50
	36	LOW	Q16	21.94	21.98	21.54	22.50
		MID	Q16	21.91	21.98	21.68	22.50
		HIGH	Q16	21.90	22.07	21.70	22.50
	75	LOW	Q16	21.89	21.94	21.56	22.50
15	1	LOW	64QAM	22.07	22.16	21.68	22.50
		MID	64QAM	22.06	22.12	21.76	22.50
		HIGH	64QAM	21.95	22.06	21.79	22.50
	36	LOW	64QAM	20.88	20.97	20.58	21.50
		MID	64QAM	20.94	20.90	20.66	21.50
		HIGH	64QAM	20.88	21.03	20.70	21.50
	75	LOW	64QAM	20.90	20.93	20.61	21.50
Bandwidth (M)	RB Size	RB offset	Modulation	43690	44590	45490	Tune-up power(dBm)
20	1	LOW	QPSK	23.65	23.68	23.38	24.50
		MID	QPSK	23.74	23.83	23.48	24.50
		HIGH	QPSK	23.73	23.76	23.43	24.50
	50	LOW	QPSK	22.82	22.89	22.53	23.50
		MID	QPSK	22.82	22.98	22.61	23.50
		HIGH	QPSK	22.87	23.05	22.71	23.50
	100	LOW	QPSK	22.81	22.91	22.59	23.50
20	1	LOW	Q16	23.09	23.04	22.69	23.50
		MID	Q16	23.04	23.19	22.73	23.50
		HIGH	Q16	23.20	23.21	22.82	23.50
	50	LOW	Q16	21.81	21.95	21.61	22.50
		MID	Q16	21.82	21.99	21.65	22.50
		HIGH	Q16	21.93	22.05	21.71	22.50
	100	LOW	Q16	21.80	21.95	21.61	22.50
20	1	LOW	64QAM	22.02	22.09	21.77	22.50
		MID	64QAM	22.05	22.25	21.74	22.50
		HIGH	64QAM	22.02	22.11	21.74	22.50
	50	LOW	64QAM	20.84	20.96	20.57	21.50
		MID	64QAM	20.82	20.99	20.63	21.50
		HIGH	64QAM	20.90	21.10	20.72	21.50
	100	LOW	64QAM	20.79	20.94	20.56	21.50

8.3 NR Output Power

N2-Ant.0 Full power(Only for SA)							
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	24.13	24.18	24.02	25.00
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	23.86	24.22	23.92	25.00
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	23.98	23.96	24.16	25.00
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	23.97	24.07	24.06	25.00
		1	53	23.85	23.93	23.95	25.00
		1	104	23.90	23.94	23.86	25.00
	DFT-s-OFDM BPSK	50	0	23.44	23.47	23.54	25.00
		50	28	23.90	24.06	23.97	25.00
		50	56	23.48	23.42	23.47	25.00
	DFT-s-OFDM BPSK	100	0	23.47	23.45	23.31	24.00
	DFT-s-OFDM QPSK	1	1	23.83	24.01	24.14	25.00
		1	53	23.72	24.04	23.98	25.00
		1	104	23.71	23.99	23.66	25.00
	DFT-s-OFDM QPSK	50	0	23.48	23.29	23.69	25.00
		50	28	23.99	24.05	24.17	25.00
		50	56	23.68	23.30	23.60	25.00
	DFT-s-OFDM QPSK	100	0	23.63	23.48	23.33	24.00
	DFT-s-OFDM 16QAM	1	1	23.12	22.98	22.86	24.00
	DFT-s-OFDM 64QAM	1	1	20.98	21.02	20.93	22.50
	DFT-s-OFDM 256QAM	1	1	18.93	18.96	19.14	20.50
	CP-OFDM QPSK	1	1	23.05	22.92	22.79	23.50
	CP-OFDM 16QAM	1	1	21.37	21.56	21.73	23.00
	CP-OFDM 64QAM	1	1	20.41	20.55	20.54	21.50
	CP-OFDM 256QAM	1	1	17.53	17.63	17.79	18.50

8.4 NR Output Power

N2-Ant.2 Full power(Only for SA)							
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	23.12	23.10	23.16	24.00
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	22.96	23.05	23.08	24.00
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	22.97	22.95	23.16	24.00
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	23.01	23.05	23.06	24.00
		1	53	23.15	23.23	23.12	24.00
		1	104	22.98	23.02	23.01	24.00
	DFT-s-OFDM BPSK	50	0	22.73	22.56	22.41	24.00
		50	28	23.12	23.17	22.98	24.00
		50	56	22.73	22.55	22.37	24.00
	DFT-s-OFDM BPSK	100	0	22.56	22.51	22.40	23.00
		1	1	22.84	23.01	22.92	24.00
		1	53	23.19	23.04	22.95	24.00
	DFT-s-OFDM QPSK	1	104	22.98	23.12	23.16	24.00
		50	0	22.88	22.42	22.39	24.00
		50	28	23.23	23.06	23.04	24.00
		50	56	22.72	22.61	22.39	24.00
	DFT-s-OFDM QPSK	100	0	22.39	22.57	22.56	23.00
	DFT-s-OFDM 16QAM	1	1	21.93	21.98	22.11	23.00
	DFT-s-OFDM 64QAM	1	1	20.16	20.29	20.29	21.50
	DFT-s-OFDM 256QAM	1	1	18.36	18.44	18.61	19.50
	CP-OFDM QPSK	1	1	21.90	21.78	21.74	22.50
	CP-OFDM 16QAM	1	1	21.22	21.39	21.59	22.00
	CP-OFDM 64QAM	1	1	19.71	19.88	20.03	20.50
	CP-OFDM 256QAM	1	1	16.83	16.76	16.78	17.50

N5-Ant.0 Full power(Only for SA)							
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	23.65	23.92	23.71	24.50
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	23.63	23.62	23.84	24.50
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	23.79	23.65	23.93	24.50
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	23.76	23.76	23.72	24.50
		1	53	23.70	23.82	23.76	24.50
		1	104	23.65	23.71	23.70	24.50
	DFT-s-OFDM BPSK	50	0	23.29	23.31	23.37	24.50
		50	28	23.86	23.99	23.85	24.50
		50	56	23.43	23.26	23.08	24.50
	DFT-s-OFDM BPSK	100	0	23.49	23.33	23.14	23.50
	DFT-s-OFDM QPSK	1	1	23.80	23.82	23.85	24.50
		1	53	23.80	23.77	23.96	24.50
		1	104	23.67	23.52	23.82	24.50
	DFT-s-OFDM QPSK	50	0	23.24	23.37	23.46	24.50
		50	28	23.98	23.79	23.73	24.50
		50	56	23.61	23.17	22.88	24.50
	DFT-s-OFDM QPSK	100	0	23.45	23.19	23.05	23.50
	DFT-s-OFDM 16QAM	1	1	22.39	22.51	22.32	23.50
	DFT-s-OFDM 64QAM	1	1	21.23	21.39	21.34	22.00
	DFT-s-OFDM 256QAM	1	1	19.54	19.46	19.54	20.00
	CP-OFDM QPSK	1	1	21.83	22.02	22.19	23.00
	CP-OFDM 16QAM	1	1	21.90	21.95	22.12	22.50
	CP-OFDM 64QAM	1	1	20.51	20.45	20.48	21.00
	CP-OFDM 256QAM	1	1	17.61	17.48	17.58	18.00

N7-Ant.0 Full power(Only for SA)							
Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.15	23.01	23.00	24.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.29	23.04	23.37	24.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.02	23.44	23.19	24.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.21	23.31	23.22	24.00
		1	53	23.27	23.24	23.23	24.00
		1	104	23.26	23.16	23.21	24.00
	DFT-s-OFDM BPSK	50	0	22.85	22.68	22.88	24.00
		50	28	23.21	23.29	23.24	24.00
		50	56	22.65	22.75	22.57	24.00
	DFT-s-OFDM BPSK	100	0	22.62	22.76	22.62	23.00
	DFT-s-OFDM QPSK	1	1	23.19	23.16	23.04	24.00
		1	53	23.22	23.37	23.28	24.00
		1	104	23.06	23.21	23.16	24.00
	DFT-s-OFDM QPSK	50	0	22.79	22.59	22.85	24.00
		50	28	23.28	23.25	23.25	24.00
		50	56	22.74	22.83	22.41	24.00
	DFT-s-OFDM QPSK	100	0	22.48	22.91	22.42	23.00
	DFT-s-OFDM 16QAM	1	1	22.25	22.38	22.24	23.00
	DFT-s-OFDM 64QAM	1	1	20.62	20.76	20.56	21.50
	DFT-s-OFDM 256QAM	1	1	19.01	18.92	18.88	19.50
	CP-OFDM QPSK	1	1	21.94	21.83	21.73	22.50
	CP-OFDM 16QAM	1	1	21.61	21.48	21.50	22.00
	CP-OFDM 64QAM	1	1	19.61	19.66	19.62	20.50
	CP-OFDM 256QAM	1	1	16.43	16.52	16.36	17.50

N7-Ant.2 Full power(Only for SA)							
Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.12	23.35	23.06	24.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.47	23.20	23.29	24.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.01	23.49	23.27	24.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.11	23.14	23.04	24.00
		1	53	23.10	23.21	23.11	24.00
		1	104	23.10	23.17	23.08	24.00
	DFT-s-OFDM BPSK	50	0	22.46	22.64	22.57	24.00
		50	28	23.16	23.17	23.13	24.00
		50	56	22.58	22.68	22.59	24.00
	DFT-s-OFDM BPSK	100	0	22.52	22.82	22.66	23.00
	DFT-s-OFDM QPSK	1	1	23.30	23.05	23.17	24.00
		1	53	23.22	23.18	23.18	24.00
		1	104	23.25	23.03	22.98	24.00
	DFT-s-OFDM QPSK	50	0	22.63	22.57	22.42	24.00
		50	28	23.36	23.23	22.94	24.00
		50	56	22.61	22.59	22.56	24.00
	DFT-s-OFDM QPSK	100	0	22.51	22.80	22.68	23.00
	DFT-s-OFDM 16QAM	1	1	21.90	22.09	22.27	23.00
	DFT-s-OFDM 64QAM	1	1	20.65	20.58	20.46	21.50
	DFT-s-OFDM 256QAM	1	1	18.31	18.43	18.27	19.50
	CP-OFDM QPSK	1	1	21.88	21.74	21.81	22.50
	CP-OFDM 16QAM	1	1	21.46	21.37	21.43	22.00
	CP-OFDM 64QAM	1	1	20.05	19.87	19.80	20.50
	CP-OFDM 256QAM	1	1	17.07	16.96	16.97	17.50

N12-Ant.0 Full power(Only for SA)							
Bandwidth (MHz)	Modulation	Channel		140300	141500	142700	Tune-up power(dB)
		RB Size	RB offset	701.5	707.5	713.5	
5	DFT-s-OFDM BPSK	1	1	23.85	23.97	23.88	24.50
Bandwidth (MHz)	Modulation	Channel		140800	141500	142200	Tune-up power(dB)
		RB Size	RB offset	704	707.5	711	
10	DFT-s-OFDM BPSK	1	1	23.53	23.95	23.66	24.50
Bandwidth (MHz)	Modulation	Channel		141300	141500	141700	Tune-up power(dB)
		RB Size	RB offset	706.5	707.5	708.5	
15	DFT-s-OFDM BPSK	1	1	23.87	23.82	23.88	24.50
		1	40	23.88	23.81	23.86	24.50
		1	77	23.80	23.92	23.78	24.50
	DFT-s-OFDM BPSK	36	0	23.05	23.23	23.28	24.50
		36	22	23.85	23.86	23.80	24.50
		36	43	23.36	23.25	23.08	24.50
	DFT-s-OFDM BPSK	75	0	23.29	23.36	23.27	23.50
		1	1	23.98	23.94	24.05	24.50
		1	40	23.93	23.73	23.79	24.50
	DFT-s-OFDM QPSK	1	77	23.76	23.92	23.89	24.50
		36	0	23.19	23.34	23.19	24.50
		36	22	23.89	23.85	23.67	24.50
	DFT-s-OFDM QPSK	36	43	23.21	23.08	23.03	24.50
		75	0	23.10	23.32	23.24	23.50
	DFT-s-OFDM 16QAM	1	1	22.77	22.59	22.69	23.50
	DFT-s-OFDM 64QAM	1	1	21.52	21.38	21.33	22.00
	DFT-s-OFDM 256QAM	1	1	18.94	19.04	19.16	20.00
	CP-OFDM QPSK	1	1	22.04	22.18	22.11	23.00
	CP-OFDM 16QAM	1	1	21.94	21.87	21.89	22.50
	CP-OFDM 64QAM	1	1	20.33	20.28	20.28	21.00
	CP-OFDM 256QAM	1	1	17.36	17.43	17.63	18.00

N13-Ant.0 Full power(Only for SA)							
Bandwidth (MHz)	Modulation	Channel		155900	156400	156900	Tune-up power(dB)
		RB Size	RB offset	779.5	782	784.5	
5	DFT-s-OFDM BPSK	1	1	23.65	23.38	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		/	156400	/	Tune-up power(dB)
		RB Size	RB offset	/	782	/	
10	DFT-s-OFDM BPSK	1	1	/	23.85	/	24.50
		1	26	/	23.91	/	24.50
		1	50	/	23.83	/	24.50
	DFT-s-OFDM BPSK	25	0	/	23.36	/	24.50
		25	14	/	23.76	/	24.50
		25	27	/	23.39	/	24.50
	DFT-s-OFDM BPSK	50	0	/	23.36	/	23.50
	DFT-s-OFDM QPSK	1	1	/	24.01	/	24.50
		1	26	/	23.74	/	24.50
		1	50	/	23.87	/	24.50
	DFT-s-OFDM QPSK	25	0	/	23.47	/	24.50
		25	14	/	23.84	/	24.50
		25	27	/	23.25	/	24.50
	DFT-s-OFDM QPSK	50	0	/	23.50	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.88	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.31	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	19.45	/	20.00
	CP-OFDM QPSK	1	1	/	22.38	/	23.00
	CP-OFDM 16QAM	1	1	/	21.69	/	22.50
	CP-OFDM 64QAM	1	1	/	20.18	/	21.00
	CP-OFDM 256QAM	1	1	/	17.18	/	18.00

N14-Ant.0 Full power(Only for SA)							
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	23.75	23.51	23.64	24.50
Bandwidth (MHz)	Modulation	Channel		/	158600	/	Tune-up power(dB)
		RB Size	RB offset	/	793	/	
10	DFT-s-OFDM BPSK	1	1	/	23.77	/	24.50
		1	26	/	23.72	/	24.50
		1	50	/	23.75	/	24.50
	DFT-s-OFDM BPSK	25	0	/	23.21	/	24.50
		25	14	/	23.68	/	24.50
		25	27	/	23.18	/	24.50
	DFT-s-OFDM BPSK	50	0	/	23.16	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.73	/	24.50
		1	26	/	23.56	/	24.50
		1	50	/	23.66	/	24.50
	DFT-s-OFDM QPSK	25	0	/	23.04	/	24.50
		25	14	/	23.67	/	24.50
		25	27	/	23.30	/	24.50
	DFT-s-OFDM QPSK	50	0	/	23.17	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.90	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	21.12	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.99	/	20.00
	CP-OFDM QPSK	1	1	/	22.88	/	23.00
	CP-OFDM 16QAM	1	1	/	21.03	/	22.50
	CP-OFDM 64QAM	1	1	/	19.13	/	21.00
	CP-OFDM 256QAM	1	1	/	17.52	/	18.00

N25-Ant.0 Full power(Only for SA)							
Bandwidth (MHz)	Modulation	Channel		370500	376500	382500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1882.5	1912.5	
5	DFT-s-OFDM BPSK	1	1	23.80	23.86	23.86	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376500	382000	Tune-up power(dB)
		RB Size	RB offset	1855	1882.5	1910	
10	DFT-s-OFDM BPSK	1	1	23.84	23.58	23.90	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376500	381500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1882.5	1907.5	
15	DFT-s-OFDM BPSK	1	1	23.54	23.69	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376500	381000	Tune-up power(dB)
		RB Size	RB offset	1860	1882.5	1905	
20	DFT-s-OFDM BPSK	1	1	23.93	23.92	23.86	24.50
		1	53	23.90	23.94	23.88	24.50
		1	104	23.93	23.91	23.79	24.50
	DFT-s-OFDM BPSK	50	0	23.42	23.37	23.19	24.50
		50	28	23.77	23.89	23.80	24.50
		50	56	23.24	23.43	23.48	24.50
	DFT-s-OFDM BPSK	100	0	23.34	23.47	23.36	23.50
		1	1	23.82	24.17	24.02	24.50
		1	53	24.02	23.93	24.08	24.50
	DFT-s-OFDM QPSK	1	104	23.74	23.88	23.86	24.50
		50	0	23.28	23.46	23.26	24.50
		50	28	23.82	23.89	23.89	24.50
	DFT-s-OFDM QPSK	50	56	23.16	23.51	23.50	24.50
		100	0	23.36	23.28	23.33	23.50
	DFT-s-OFDM 16QAM	1	1	22.94	22.95	22.97	23.50
	DFT-s-OFDM 64QAM	1	1	21.28	21.18	21.29	22.00
	DFT-s-OFDM 256QAM	1	1	19.36	19.45	19.39	20.00
	CP-OFDM QPSK	1	1	22.14	22.34	22.20	23.00
	CP-OFDM 16QAM	1	1	21.67	21.60	21.62	22.50
	CP-OFDM 64QAM	1	1	20.11	20.23	20.17	21.00
	CP-OFDM 256QAM	1	1	17.21	17.39	17.44	18.00

N26-Ant.0 Full power(Only for SA)							
Bandwidth (MHz)	Modulation	Channel		163300	166300	169300	Tune-up power(dB)
		RB Size	RB offset	816.5	831.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.61	23.86	23.55	24.50
Bandwidth (MHz)	Modulation	Channel		163800	166300	168800	Tune-up power(dB)
		RB Size	RB offset	819	831.5	844	
10	DFT-s-OFDM BPSK	1	1	23.83	23.77	23.77	24.50
Bandwidth (MHz)	Modulation	Channel		164300	166300	168300	Tune-up power(dB)
		RB Size	RB offset	821.5	831.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.56	23.97	23.77	24.50
Bandwidth (MHz)	Modulation	Channel		164800	166300	167800	Tune-up power(dB)
		RB Size	RB offset	824	831.5	839	
20	DFT-s-OFDM BPSK	1	1	23.72	23.66	23.67	24.50
		1	53	23.66	23.76	23.63	24.50
		1	104	23.68	23.72	23.66	24.50
	DFT-s-OFDM BPSK	50	0	23.27	23.22	23.07	24.50
		50	28	23.67	23.72	23.61	24.50
		50	56	23.10	23.29	23.30	24.50
	DFT-s-OFDM BPSK	100	0	23.18	23.22	23.07	23.50
		1	1	23.88	23.68	23.72	24.50
		1	53	23.65	23.62	23.80	24.50
		1	104	23.52	23.58	23.66	24.50
	DFT-s-OFDM QPSK	50	0	23.39	23.31	23.26	24.50
		50	28	23.52	23.76	23.76	24.50
		50	56	23.25	23.16	23.32	24.50
	DFT-s-OFDM QPSK	100	0	23.27	23.18	22.90	23.50
	DFT-s-OFDM 16QAM	1	1	22.81	22.92	23.08	23.50
	DFT-s-OFDM 64QAM	1	1	21.26	21.11	21.04	22.00
	DFT-s-OFDM 256QAM	1	1	19.38	19.38	19.42	20.00
	CP-OFDM QPSK	1	1	22.23	22.31	22.25	23.00
	CP-OFDM 16QAM	1	1	21.71	21.88	21.99	22.50
	CP-OFDM 64QAM	1	1	20.43	20.32	20.46	21.00
	CP-OFDM 256QAM	1	1	17.26	17.32	17.35	18.00

N30-Ant.0 Full power(Only for SA)							
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	23.70	23.66	23.61	24.50
Bandwidth (MHz)	Modulation	Channel		461500	462000	462500	Tune-up power(dB)
		RB Size	RB offset	/	2310	/	
10	DFT-s-OFDM BPSK	1	1	/	23.52	/	24.50
		1	26	/	22.85	/	24.50
		1	50	/	23.12	/	24.50
	DFT-s-OFDM BPSK	25	0	/	22.92	/	24.50
		25	14	/	23.07	/	24.50
		25	27	/	23.06	/	24.50
	DFT-s-OFDM BPSK	50	0	/	22.76	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.50	/	24.50
		1	26	/	23.00	/	24.50
		1	50	/	23.22	/	24.50
	DFT-s-OFDM QPSK	25	0	/	22.87	/	24.50
		25	14	/	22.55	/	24.50
		25	27	/	22.86	/	24.50
	DFT-s-OFDM QPSK	50	0	/	22.72	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.82	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.90	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.83	/	20.00
	CP-OFDM QPSK	1	1	/	22.44	/	23.00
	CP-OFDM 16QAM	1	1	/	21.95	/	22.50
	CP-OFDM 64QAM	1	1	/	20.11	/	21.00
	CP-OFDM 256QAM	1	1	/	17.10	/	18.00

N66-Ant.0 Full power(Only for SA)							
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	23.66	23.82	23.61	24.50
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	23.68	23.80	23.75	24.50
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	23.87	23.61	23.55	24.50
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	23.94	24.03	23.99	24.50
		1	53	24.04	24.13	23.89	24.50
		1	104	24.03	23.95	23.99	24.50
	DFT-s-OFDM BPSK	50	0	23.40	23.53	23.34	24.50
		50	28	23.90	23.93	23.79	24.50
		50	56	23.65	23.45	23.60	24.50
	DFT-s-OFDM BPSK	100	0	23.42	23.48	23.34	23.50
		1	1	24.17	23.96	24.06	24.50
		1	53	24.12	24.15	23.91	24.50
	DFT-s-OFDM QPSK	1	104	24.17	23.98	24.12	24.50
		50	0	23.33	23.62	23.32	24.50
		50	28	24.01	23.88	23.84	24.50
	DFT-s-OFDM QPSK	50	56	23.68	23.43	23.74	24.50
		100	0	22.67	22.80	23.19	23.50
	DFT-s-OFDM 16QAM	1	1	22.99	22.90	23.09	23.50
	DFT-s-OFDM 64QAM	1	1	21.26	21.37	21.56	22.00
	DFT-s-OFDM 256QAM	1	1	19.15	19.15	19.20	20.00
	CP-OFDM QPSK	1	1	22.10	22.14	22.08	23.00
	CP-OFDM 16QAM	1	1	21.65	21.65	21.68	22.50
	CP-OFDM 64QAM	1	1	20.43	20.29	20.19	21.00
	CP-OFDM 256QAM	1	1	17.42	17.34	17.22	18.00

N66-Ant.2 Full power(Only for SA)							
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	23.29	23.36	23.28	24.00
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	23.40	23.19	23.38	24.00
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	23.20	23.18	23.21	24.00
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	23.27	23.38	23.35	24.00
		1	53	23.20	23.17	23.34	24.00
		1	104	23.35	23.23	23.32	24.00
	DFT-s-OFDM BPSK	50	0	23.17	23.31	23.35	24.00
		50	28	23.31	23.36	23.32	24.00
		50	56	23.16	23.32	23.15	24.00
	DFT-s-OFDM BPSK	100	0	22.32	22.16	22.27	23.00
	DFT-s-OFDM QPSK	1	1	23.39	23.22	23.34	24.00
		1	53	23.17	23.38	23.21	24.00
		1	104	23.33	23.34	23.40	24.00
	DFT-s-OFDM QPSK	50	0	23.21	23.39	23.33	24.00
		50	28	23.18	23.17	23.20	24.00
		50	56	23.31	23.37	23.37	24.00
	DFT-s-OFDM QPSK	100	0	22.23	22.24	22.26	23.00
	DFT-s-OFDM 16QAM	1	1	22.25	22.31	22.40	23.00
	DFT-s-OFDM 64QAM	1	1	20.89	20.81	20.77	21.50
	DFT-s-OFDM 256QAM	1	1	18.90	18.83	18.87	19.50
	CP-OFDM QPSK	1	1	21.87	21.89	21.67	22.50
	CP-OFDM 16QAM	1	1	21.17	21.23	21.30	22.00
	CP-OFDM 64QAM	1	1	19.72	19.70	19.75	20.50
	CP-OFDM 256QAM	1	1	16.71	16.82	16.65	17.50

N71-Ant.0 Full power(Only for SA)							
Bandwidth (MHz)	Modulation	Channel		133100	136100	139100	Tune-up power(dB)
		RB Size	RB offset	665.5	680.5	695.5	
5	DFT-s-OFDM BPSK	1	1	23.63	23.78	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		133600	136100	138600	Tune-up power(dB)
		RB Size	RB offset	668	680.5	693	
10	DFT-s-OFDM BPSK	1	1	23.57	23.66	23.49	24.50
Bandwidth (MHz)	Modulation	Channel		134100	136100	138100	Tune-up power(dB)
		RB Size	RB offset	670.5	680.5	690.5	
15	DFT-s-OFDM BPSK	1	1	23.71	23.63	23.51	24.50
Bandwidth (MHz)	Modulation	Channel		134600	136100	137600	Tune-up power(dB)
		RB Size	RB offset	673	680.5	688	
20	DFT-s-OFDM BPSK	1	1	23.66	23.72	23.71	24.50
		1	53	23.68	23.74	23.69	24.50
		1	104	23.59	23.66	23.59	24.50
	DFT-s-OFDM BPSK	50	0	23.23	23.23	23.35	24.50
		50	28	23.57	23.65	23.58	24.50
		50	56	22.97	23.15	23.31	24.50
	DFT-s-OFDM BPSK	100	0	23.13	23.15	23.09	23.50
	DFT-s-OFDM QPSK	1	1	23.69	23.66	23.53	24.50
		1	53	23.72	23.66	23.68	24.50
		1	104	23.66	23.63	23.71	24.50
	DFT-s-OFDM QPSK	50	0	23.36	23.24	23.37	24.50
		50	28	23.54	23.65	23.44	24.50
		50	56	22.86	23.18	23.33	24.50
	DFT-s-OFDM QPSK	100	0	23.30	23.03	22.89	23.50
	DFT-s-OFDM 16QAM	1	1	22.79	22.79	22.97	23.50
	DFT-s-OFDM 64QAM	1	1	21.21	21.09	21.16	22.00
	DFT-s-OFDM 256QAM	1	1	19.07	19.03	19.10	20.00
	CP-OFDM QPSK	1	1	22.45	22.32	22.24	23.00
	CP-OFDM 16QAM	1	1	21.51	21.59	21.79	22.50
	CP-OFDM 64QAM	1	1	20.32	20.14	20.03	21.00
	CP-OFDM 256QAM	1	1	17.21	17.02	17.05	18.00

N38-Ant.0 Full power(Only for SA)							
Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM QPSK	1	1	23.67	23.82	23.77	24.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM QPSK	1	1	23.65	24.02	23.42	24.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM QPSK	1	1	23.77	23.83	23.70	24.50
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM QPSK	1	1	23.67	23.95	23.67	24.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM QPSK	1	1	23.63	23.68	23.59	24.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.82	23.83	23.78	24.50
		1	53	23.75	23.93	23.69	24.50
		1	104	23.92	23.88	23.75	24.50
	DFT-s-OFDM BPSK	50	0	23.13	23.20	23.04	24.50
		50	28	23.48	23.67	23.83	24.50
		50	56	23.31	23.30	23.29	24.50
	DFT-s-OFDM BPSK	100	0	23.18	23.19	23.26	23.50
	DFT-s-OFDM QPSK	1	1	23.83	23.85	23.61	24.50
		1	53	23.55	23.85	23.69	24.50
		1	104	24.00	23.71	23.82	24.50
	DFT-s-OFDM QPSK	50	0	23.14	23.22	22.87	24.50
		50	28	23.58	23.76	23.71	24.50
		50	56	23.47	23.48	23.12	24.50
	DFT-s-OFDM QPSK	100	0	23.33	23.30	23.33	23.50
	DFT-s-OFDM 16QAM	1	1	22.74	22.64	22.47	23.50
	DFT-s-OFDM 64QAM	1	1	21.16	21.05	20.90	22.00
	DFT-s-OFDM 256QAM	1	1	19.04	19.14	19.05	20.00
	CP-OFDM QPSK	1	1	22.50	22.45	22.63	23.00
	CP-OFDM 16QAM	1	1	21.95	21.77	21.83	22.50
	CP-OFDM 64QAM	1	1	20.46	20.42	20.25	21.00
	CP-OFDM 256QAM	1	1	16.96	17.09	16.96	18.00

N41-Ant.3 Full power(Only for SA)									
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	24.96	24.98	25.16	24.72	24.74	26.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	24.95	24.67	25.07	24.97	24.70	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	24.95	24.83	25.17	24.75	24.71	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	24.87	24.80	25.31	24.81	24.75	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	24.75	24.81	25.18	24.80	24.82	26.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	24.84	24.80	25.19	24.97	24.76	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	24.78	24.74	25.23	24.98	24.85	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	24.86	24.95	25.29	24.83	24.78	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.72	24.46	25.38	24.77	25.09	26.00
		1	137	24.48	24.31	25.88	24.64	24.42	26.00
		1	271	25.44	25.03	25.92	24.22	24.06	26.00
	DFT-s-OFDM BPSK	135	0	25.21	25.01	25.02	25.11	24.87	26.00
		135	69	25.61	25.76	25.92	25.69	25.81	26.00
		135	138	25.50	25.40	25.43	25.37	25.56	26.00
	DFT-s-OFDM BPSK	270	0	24.99	25.18	25.18	25.24	25.34	25.50
		1	1	24.92	24.61	24.69	24.60	25.10	26.00
		1	137	24.41	24.27	25.93	24.83	24.56	26.00
	DFT-s-OFDM QPSK	1	271	25.35	24.86	25.93	24.15	24.21	26.00
		135	0	25.01	24.92	24.93	25.21	24.84	26.00
		135	69	25.81	25.72	25.22	25.82	25.89	26.00
		135	138	25.32	25.57	25.40	25.30	25.40	26.00
	DFT-s-OFDM QPSK	270	0	24.83	25.18	25.33	25.28	25.36	25.50
	DFT-s-OFDM 16QAM	1	1	25.08	25.04	24.95	24.86	25.04	25.50
	DFT-s-OFDM 64QAM	1	1	23.46	23.37	23.47	23.30	23.29	24.00
	DFT-s-OFDM 256QAM	1	1	21.45	21.23	21.42	21.25	21.33	22.00
	CP-OFDM QPSK	1	1	24.33	24.55	24.44	24.55	24.52	25.00
	CP-OFDM 16QAM	1	1	23.62	23.56	23.75	23.87	23.81	24.50
	CP-OFDM 64QAM	1	1	21.95	22.08	22.02	22.07	21.94	23.00
	CP-OFDM 256QAM	1	1	19.00	19.10	19.18	19.04	19.14	20.00

N77-Ant.1 Full power(Only for SA)(PC3)							
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	26.54	26.75	26.94	27.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	26.78	26.61	26.80	27.50
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	26.93	26.73	26.98	27.50
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	26.56	26.98	26.62	27.50
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	26.58	26.55	26.94	27.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	26.44	/	27.50
		1	137	/	26.55	/	27.50
		1	271	/	27.05	/	27.50
	DFT-s-OFDM BPSK	135	0	/	25.76	/	27.50
		135	69	/	26.41	/	27.50
		135	138	/	26.24	/	27.50
	DFT-s-OFDM BPSK	270	0	/	25.58	/	26.50
		1	1	/	26.05	/	27.50
		1	137	/	26.48	/	27.50
	DFT-s-OFDM QPSK	1	271	/	27.15	/	27.50
		135	0	/	25.65	/	27.50
		135	69	/	26.11	/	27.50
	DFT-s-OFDM QPSK	135	138	/	26.07	/	27.50
		270	0	/	25.70	/	26.50
		1	1	/	24.66	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	23.12	/	25.00
	DFT-s-OFDM 256QAM	1	1	/	21.29	/	23.00
	CP-OFDM QPSK	1	1	/	24.55	/	26.00
	CP-OFDM 16QAM	1	1	/	23.96	/	25.50
	CP-OFDM 64QAM	1	1	/	22.66	/	24.00
	CP-OFDM 256QAM	1	1	/	19.96	/	21.00

N77-Ant.1 Full power(Only for SA)(PC2)

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	27.22	27.11	27.39	27.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	27.18	27.39	27.46	27.50
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	27.12	27.31	27.15	27.50
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	27.19	27.42	27.08	27.50
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	27.01	27.35	27.22	27.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	26.83	/	27.50
		1	137	/	26.54	/	27.50
		1	271	/	26.68	/	27.50
	DFT-s-OFDM BPSK	135	0	/	26.06	/	27.50
		135	69	/	26.50	/	27.50
		135	138	/	26.14	/	27.50
	DFT-s-OFDM BPSK	270	0	/	26.01	/	26.50
	DFT-s-OFDM QPSK	1	1	/	27.40	/	27.50
		1	137	/	26.61	/	27.50
		1	271	/	26.73	/	27.50
	DFT-s-OFDM QPSK	135	0	/	26.11	/	27.50
		135	69	/	27.33	/	27.50
		135	138	/	26.00	/	27.50
	DFT-s-OFDM QPSK	270	0	/	26.11	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	25.45	/	26.50
	DFT-s-OFDM 64QAM	1	1	/	23.76	/	25.00
	DFT-s-OFDM 256QAM	1	1	/	21.91	/	23.00
	CP-OFDM QPSK	1	1	/	25.18	/	26.00
	CP-OFDM 16QAM	1	1	/	24.61	/	25.50
	CP-OFDM 64QAM	1	1	/	22.95	/	24.00
	CP-OFDM 256QAM	1	1	/	20.24	/	21.00

N77-Ant.1 Full power(Only for SA)(PC3)							
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	26.66	26.71	26.72	27.50
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	26.58	26.83	27.00	27.50
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	26.80	26.84	26.81	27.50
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	26.71	26.73	26.80	27.50
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	26.71	26.94	26.55	27.50
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	26.74	26.71	26.67	27.50
		1	137	26.81	26.96	26.57	27.50
		1	271	26.91	26.87	26.62	27.50
	DFT-s-OFDM BPSK	135	0	26.15	26.30	26.11	27.50
		135	69	26.84	27.08	26.88	27.50
		135	138	26.25	26.39	26.52	27.50
	DFT-s-OFDM BPSK	270	0	26.39	26.42	26.26	26.50
		1	1	26.57	26.21	26.83	27.50
		1	137	26.98	25.54	26.38	27.50
	DFT-s-OFDM QPSK	1	271	26.87	26.55	26.49	27.50
		135	0	26.10	26.11	26.10	27.50
		135	69	26.71	25.62	27.25	27.50
	DFT-s-OFDM QPSK	135	138	26.34	26.32	26.39	27.50
		270	0	26.42	24.62	26.37	26.50
		1	1	24.94	25.07	24.94	26.50
	DFT-s-OFDM 16QAM	1	1	23.47	23.42	23.34	25.00
	DFT-s-OFDM 256QAM	1	1	21.89	21.92	21.93	23.00
	CP-OFDM QPSK	1	1	24.09	24.22	24.24	26.00
	CP-OFDM 16QAM	1	1	24.59	24.52	24.54	25.50
	CP-OFDM 64QAM	1	1	22.81	22.63	22.83	24.00
	CP-OFDM 256QAM	1	1	19.93	19.93	19.75	21.00

N77-Ant.1 Full power(Only for SA)(PC2)							
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	26.53	26.80	26.52	27.50
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	26.63	26.70	26.90	27.50
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	26.68	26.74	26.94	27.50
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	26.66	26.99	26.55	27.50
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	26.91	26.88	26.77	27.50
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	26.74	26.44	26.63	27.50
		1	137	26.92	26.67	26.69	27.50
		1	271	26.90	26.64	26.61	27.50
	DFT-s-OFDM BPSK	135	0	26.12	26.19	26.50	27.50
		135	69	26.10	26.06	26.47	27.50
		135	138	26.27	26.38	26.47	27.50
	DFT-s-OFDM BPSK	270	0	25.36	25.07	25.49	26.50
	DFT-s-OFDM QPSK	1	1	26.14	26.10	26.03	27.50
		1	137	26.29	26.31	26.47	27.50
		1	271	26.17	26.47	26.22	27.50
	DFT-s-OFDM QPSK	135	0	26.47	26.23	26.33	27.50
		135	69	26.25	26.41	26.12	27.50
		135	138	26.39	26.07	26.03	27.50
	DFT-s-OFDM QPSK	270	0	25.06	25.13	25.36	26.50
	DFT-s-OFDM 16QAM	1	1	25.08	25.42	25.45	26.50
	DFT-s-OFDM 64QAM	1	1	23.80	23.99	23.54	25.00
	DFT-s-OFDM 256QAM	1	1	21.71	21.57	21.98	23.00
	CP-OFDM QPSK	1	1	24.84	24.83	24.80	26.00
	CP-OFDM 16QAM	1	1	24.03	24.40	24.05	25.50
	CP-OFDM 64QAM	1	1	22.58	22.87	22.57	24.00
	CP-OFDM 256QAM	1	1	19.78	19.63	19.72	21.00

N78-Ant.1 Full power(Only for SA)(PC3)							
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	26.93	27.00	26.97	27.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	26.78	26.79	27.00	27.50
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	26.55	26.51	26.58	27.50
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	27.00	26.90	26.68	27.50
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	26.50	26.68	26.98	27.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	26.75	26.94	26.71	27.50
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	26.79	26.69	26.57	27.50
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	26.77	27.00	26.90	27.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	26.54	/	27.50
		1	137	/	26.74	/	27.50
		1	271	/	26.86	/	27.50
		135	0	/	26.12	/	27.50
	DFT-s-OFDM BPSK	135	69	/	26.63	/	27.50
		135	138	/	26.20	/	27.50
		270	0	/	26.18	/	26.50
	DFT-s-OFDM QPSK	1	1	/	26.75	/	27.50
		1	137	/	25.68	/	27.50
		1	271	/	26.23	/	27.50
	DFT-s-OFDM QPSK	135	0	/	26.62	/	27.50
		135	69	/	25.65	/	27.50
		135	138	/	26.57	/	27.50
	DFT-s-OFDM QPSK	270	0	/	24.68	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	24.63	/	26.50
	DFT-s-OFDM 64QAM	1	1	/	23.63	/	25.00
	DFT-s-OFDM 256QAM	1	1	/	22.66	/	23.00
	CP-OFDM QPSK	1	1	/	24.63	/	26.00
	CP-OFDM 16QAM	1	1	/	23.99	/	25.50
	CP-OFDM 64QAM	1	1	/	22.46	/	24.00
	CP-OFDM 256QAM	1	1	/	19.63	/	21.00

N78-Ant.1 Full power(Only for SA)(PC2)							
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	26.04	26.49	26.01	27.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	26.39	26.25	26.16	27.50
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	26.49	26.43	26.73	27.50
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	26.44	26.73	26.24	27.50
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	26.76	26.16	26.83	27.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	26.87	26.76	26.55	27.50
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	26.35	26.94	26.00	27.50
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	26.63	26.56	26.19	27.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	26.50	/	27.50
		1	137	/	26.69	/	27.50
		1	271	/	26.68	/	27.50
		135	0	/	26.22	/	27.50
	DFT-s-OFDM BPSK	135	69	/	26.16	/	27.50
		135	138	/	26.42	/	27.50
		270	0	/	25.44	/	26.50
	DFT-s-OFDM QPSK	1	1	/	26.15	/	27.50
		1	137	/	26.34	/	27.50
		1	271	/	26.08	/	27.50
	DFT-s-OFDM QPSK	135	0	/	26.13	/	27.50
		135	69	/	26.23	/	27.50
		135	138	/	26.13	/	27.50
	DFT-s-OFDM QPSK	270	0	/	25.49	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	25.07	/	26.50
	DFT-s-OFDM 64QAM	1	1	/	23.97	/	25.00
	DFT-s-OFDM 256QAM	1	1	/	21.83	/	23.00
	CP-OFDM QPSK	1	1	/	24.89	/	26.00
	CP-OFDM 16QAM	1	1	/	24.04	/	25.50
	CP-OFDM 64QAM	1	1	/	22.61	/	24.00
	CP-OFDM 256QAM	1	1	/	19.71	/	21.00

N78-Ant.1 Full power(Only for SA)(PC3)

Bandwidth (MHz)	Modulation	Channel		647334	656000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3789.99	
20	DFT-s-OFDM BPSK	1	1	26.35	26.50	26.32	27.50
Bandwidth (MHz)	Modulation	Channel		647668	656000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3840	3875	
30	DFT-s-OFDM BPSK	1	1	26.41	26.52	26.32	27.50
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	26.42	26.51	26.31	27.50
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	26.50	26.37	26.22	27.50
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	26.39	26.34	26.38	27.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	26.48	26.35	26.29	27.50
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	26.36	26.38	26.46	27.50
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	26.48	26.35	26.29	27.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	26.68	/	27.50
		1	137	/	26.82	/	27.50
		1	271	/	26.13	/	27.50
	DFT-s-OFDM BPSK	135	0	/	26.74	/	27.50
		135	69	/	26.83	/	27.50
		135	138	/	26.11	/	27.50
	DFT-s-OFDM BPSK	270	0	/	25.18	/	26.50
	DFT-s-OFDM QPSK	1	1	/	26.04	/	27.50
		1	137	/	26.41	/	27.50
		1	271	/	26.40	/	27.50
	DFT-s-OFDM QPSK	135	0	/	26.40	/	27.50
		135	69	/	26.42	/	27.50
		135	138	/	26.28	/	27.50
	DFT-s-OFDM QPSK	270	0	/	25.38	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	25.48	/	26.50
	DFT-s-OFDM 64QAM	1	1	/	23.56	/	25.00
	DFT-s-OFDM 256QAM	1	1	/	21.65	/	23.00
	CP-OFDM QPSK	1	1	/	24.85	/	26.00
	CP-OFDM 16QAM	1	1	/	24.48	/	25.50
	CP-OFDM 64QAM	1	1	/	22.66	/	24.00
	CP-OFDM 256QAM	1	1	/	19.68	/	21.00

N78-Ant.1 Full power(Only for SA)(PC2)							
Bandwidth (MHz)	Modulation	Channel		647334	656000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3789.99	
20	DFT-s-OFDM BPSK	1	1	26.59	26.96	26.50	27.50
Bandwidth (MHz)	Modulation	Channel		647668	656000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3840	3875	
30	DFT-s-OFDM BPSK	1	1	26.38	26.84	26.11	27.50
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	26.99	26.23	26.24	27.50
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	26.65	26.37	26.64	27.50
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	26.19	26.32	26.00	27.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	26.54	26.37	26.62	27.50
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	26.13	26.96	26.77	27.50
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	26.41	26.66	26.03	27.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	26.45	/	27.50
		1	137	/	26.55	/	27.50
		1	271	/	26.68	/	27.50
	DFT-s-OFDM BPSK	135	0	/	26.24	/	27.50
		135	69	/	26.82	/	27.50
		135	138	/	26.68	/	27.50
	DFT-s-OFDM BPSK	270	0	/	25.46	/	26.50
	DFT-s-OFDM QPSK	1	1	/	26.48	/	27.50
		1	137	/	26.80	/	27.50
		1	271	/	26.22	/	27.50
	DFT-s-OFDM QPSK	135	0	/	26.40	/	27.50
		135	69	/	26.57	/	27.50
		135	138	/	26.37	/	27.50
	DFT-s-OFDM QPSK	270	0	/	25.90	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	25.40	/	26.50
	DFT-s-OFDM 64QAM	1	1	/	23.51	/	25.00
	DFT-s-OFDM 256QAM	1	1	/	22.35	/	23.00
	CP-OFDM QPSK	1	1	/	25.32	/	26.00
	CP-OFDM 16QAM	1	1	/	24.24	/	25.50
	CP-OFDM 64QAM	1	1	/	22.70	/	24.00
	CP-OFDM 256QAM	1	1	/	19.94	/	21.00

8.4 WIFI Output Power

WIFI2.4G-ANT6-Full Power						
2.4G	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
	11b	1	2412	16.73	18.00	No
		6	2437	17.74	18.00	Yes
		11	2462	17.57	18.00	No
	11g	1	2412	16.07	17.00	No
		6	2437	16.11	17.00	No
		11	2462	16.08	17.00	No
	11n20	1	2412	15.67	17.00	No
		6	2437	15.71	17.00	No
		11	2462	15.69	17.00	No
	11n40	3	2422	15.66	17.00	No
		6	2437	15.31	17.00	No
		9	2452	15.63	17.00	No
	11ax40	1	2412	14.31	15.00	No
		6	2437	14.32	15.00	No
		11	2462	14.21	15.00	No
	11ax40	3	2422	14.21	15.00	No
		6	2437	13.84	15.00	No
		9	2452	13.91	15.00	No

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

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

Adjusted SAR = $0.056 * (50.12\text{mW}/63.10\text{mW}) = 0.044$ W/Kg, so 2.4G OFDM SAR test is not required.

8.5 WIFI Output Power

WIFI2.4G-ANT5-Full Power						
2.4G	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
	11b	1	2412	17.15	18.00	No
		6	2437	17.18	18.00	Yes
		11	2462	16.86	18.00	No
	11g	1	2412	15.39	16.00	No
		6	2437	15.37	16.00	No
		11	2462	15.21	16.00	No
	11n20	1	2412	14.91	15.00	No
		6	2437	14.89	15.00	No
		11	2462	14.75	15.00	No
	11n40	3	2422	14.62	15.00	No
		6	2437	14.68	15.00	No
		9	2452	14.51	15.00	No
	11ax40	1	2412	13.52	14.00	No
		6	2437	13.54	14.00	No
		11	2462	13.26	14.00	No
	11ax40	3	2422	13.23	14.00	No
		6	2437	13.21	14.00	No
		9	2452	12.84	14.00	No

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

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

Adjusted SAR = $0.050 * (39.81\text{mW}/63.10\text{mW}) = 0.032$ W/Kg, so 2.4G OFDM SAR test is not required.

8.5 WIFI Output Power

WIFI2.4G-ANT5&6-Full Power						
2.4G	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
	11b	1	2412	19.96	21.00	No
		6	2437	20.48	21.00	Yes
		11	2462	20.24	21.00	No
	11g	1	2412	18.75	19.00	No
		6	2437	18.77	19.00	No
		11	2462	18.68	19.00	No
	11n20	1	2412	18.32	19.00	No
		6	2437	18.33	19.00	No
		11	2462	18.26	19.00	No
	11n40	3	2422	18.18	19.00	No
		6	2437	18.02	19.00	No
		9	2452	18.12	19.00	No
	11ax40	1	2412	16.94	17.00	No
		6	2437	16.96	17.00	No
		11	2462	16.77	17.00	No
	11ax40	3	2422	16.76	17.00	No
		6	2437	16.55	17.00	No
		9	2452	16.42	17.00	No

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

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

Adjusted SAR = $0.049 * (79.43\text{mW}/125.89\text{mW}) = 0.031$ W/Kg, so 2.4G OFDM SAR test is not required.

WIFI5G-ANT6-Full Power						
	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
5.2G	11a	36	5180	16.61	17.00	No
		44	5220	16.61	17.00	Yes
		48	5240	16.61	17.00	No
	11n20	36	5180	16.49	17.00	No
		44	5220	16.52	17.00	No
		48	5240	16.55	17.00	No
	11n40	38	5190	16.14	17.00	No
		46	5230	16.20	17.00	No
	11ac20	36	5180	15.41	16.00	No
		44	5220	15.49	16.00	No
		48	5240	15.52	16.00	No
	11ac40	38	5190	15.65	16.00	No
		46	5230	15.78	16.00	No
	11ac80	42	5210	15.16	16.00	No
	11ac160	50	5250	13.69	14.00	No
	11ax20	36	5180	15.44	16.00	No
		44	5220	15.53	16.00	No
		48	5240	15.54	16.00	No
	11ax40	38	5190	15.06	16.00	No
		46	5230	15.14	16.00	No
	11ax80	42	5210	14.71	15.00	No
	11ax160	50	5250	13.34	14.00	No
5.3G	11a	52	5260	16.66	17.50	No
		60	5300	17.02	17.50	No
		64	5320	17.31	17.50	Yes
	11n20	52	5260	16.63	17.50	No
		60	5300	16.97	17.50	No
		64	5320	17.26	17.50	No
	11n40	54	5270	16.21	17.00	No
		62	5310	16.81	17.00	No
	11ac20	52	5260	15.57	17.00	No
		60	5300	15.84	17.00	No
		64	5320	16.14	17.00	No
	11ac40	54	5270	15.73	17.00	No
		62	5310	16.22	17.00	No
	11ac80	58	5290	15.42	17.00	No
	11ax20	52	5260	15.58	17.00	No
		60	5300	15.91	17.00	No
		64	5320	16.21	17.00	No
	11ax40	54	5270	15.17	16.00	No
		62	5310	15.71	16.00	No
	11ax80	58	5290	14.86	16.00	No
5.6G	11a	100	5500	16.91	17.50	No
		116	5580	16.98	17.50	Yes
		140	5700	16.98	17.50	No
	11n20	100	5500	16.89	17.50	No
		116	5580	16.91	17.50	No
		140	5700	16.97	17.50	No
	11n40	102	5510	16.75	17.50	No
		118	5590	16.71	17.50	No
		134	5670	16.81	17.50	No
	11ac20	100	5500	16.03	17.50	No
		116	5580	16.06	17.50	No
		140	5700	16.11	17.50	No
	11ac40	102	5510	16.24	17.50	No
		118	5590	16.15	17.50	No
		134	5670	16.27	17.50	No
	11ac80	106	5530	15.75	16.50	No
		122	5610	15.70	16.50	No
	11ac160	114	5570	14.26	15.00	No
	11ax20	100	5500	16.11	16.50	No
		116	5580	16.09	16.50	No
		140	5700	16.17	16.50	No
	11ax40	102	5510	15.69	16.50	No
		118	5590	15.64	16.50	No
		134	5670	15.95	16.50	No
	11ax80	106	5530	15.26	16.50	No
		122	5610	15.25	16.50	No
	11ax160	114	5570	13.98	15.00	No
5.8G	11a	149	5745	16.25	17.00	Yes
		157	5785	16.16	17.00	No
		165	5825	16.19	17.00	No
	11n20	149	5745	16.20	17.00	No
		157	5785	16.14	17.00	No
		165	5825	16.18	17.00	No
	11n40	151	5755	16.00	17.00	No
		159	5795	15.92	17.00	No
	11ac20	149	5745	15.37	16.00	No
		157	5785	15.28	16.00	No
		165	5825	15.13	16.00	No
	11ac40	151	5755	15.49	16.00	No
		159	5795	15.42	16.00	No
	11ac80	155	5775	14.96	16.00	No
	11ax20	149	5745	15.43	16.00	No
		157	5785	15.32	16.00	No
		165	5825	15.18	16.00	No
	11ax40	151	5755	14.91	15.00	No
		159	5795	14.82	15.00	No
	11ax80	155	5775	14.45	15.00	No
	Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1)When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR. 2)The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power. 3) When multiple transmission modes (802.11a/n/ac/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n, 802.11n is chosen over 802.11ac then 802.11ax.					

WIFI5G-ANT5-Full Power						
	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
5.2G	11a	36	5180	15.35	16.00	Yes
		44	5220	15.18	16.00	No
		48	5240	15.18	16.00	No
	11n20	36	5180	15.33	16.00	No
		44	5220	15.14	16.00	No
		48	5240	15.13	16.00	No
	11n40	38	5190	14.96	15.00	No
		46	5230	14.82	15.00	No
	11ac20	36	5180	14.31	15.00	No
		44	5220	14.16	15.00	No
		48	5240	14.12	15.00	No
	11ac40	38	5190	14.56	15.00	No
		46	5230	14.41	15.00	No
	11ac80	42	5210	13.93	15.00	No
	11ac160	50	5250	12.41	13.00	No
	11ax20	36	5180	14.33	15.00	No
		44	5220	14.21	15.00	No
		48	5240	14.14	15.00	No
	11ax40	38	5190	14.02	15.00	No
		46	5230	13.90	15.00	No
	11ax80	42	5210	13.43	15.00	No
	11ax160	50	5250	12.00	13.00	No
5.3G	11a	52	5260	15.05	16.00	Yes
		60	5300	14.96	16.00	No
		64	5320	15.03	16.00	No
	11n20	52	5260	15.06	16.00	No
		60	5300	14.93	16.00	No
		64	5320	15.00	16.00	No
	11n40	54	5270	14.61	15.50	No
		62	5310	14.55	15.50	No
	11ac20	52	5260	13.93	14.50	No
		60	5300	13.84	14.50	No
		64	5320	13.91	14.50	No
	11ac40	54	5270	14.14	14.50	No
		62	5310	14.11	14.50	No
	11ac80	58	5290	13.58	14.50	No
	11ax20	52	5260	13.99	14.50	No
		60	5300	13.91	14.50	No
		64	5320	13.95	14.50	No
	11ax40	54	5270	13.62	14.50	No
		62	5310	13.54	14.50	No
	11ax80	58	5290	13.07	14.50	No
5.6G	11a	100	5500	15.32	16.50	No
		116	5580	15.11	16.50	No
		140	5700	15.58	16.50	Yes
	11n20	100	5500	15.27	16.50	No
		116	5580	15.11	16.50	No
		140	5700	15.56	16.50	No
	11n40	102	5510	14.97	15.50	No
		118	5590	14.75	15.50	No
		134	5670	15.09	15.50	No
	11ac20	100	5500	14.26	15.50	No
		116	5580	14.03	15.50	No
		140	5700	14.54	15.50	No
	11ac40	102	5510	14.49	15.50	No
		118	5590	14.19	15.50	No
		134	5670	14.66	15.50	No
	11ac80	106	5530	13.96	14.50	No
	11ac160	122	5610	13.88	14.50	No
	11ax20	100	5500	14.36	15.50	No
		116	5580	14.11	15.50	No
		140	5700	14.61	15.50	No
	11ax40	102	5510	13.91	14.50	No
		118	5590	13.69	14.50	No
		134	5670	14.02	14.50	No
	11ax80	106	5530	13.51	14.50	No
	11ax160	122	5610	13.31	14.50	No
	11ax160	114	5570	12.27	13.00	No
5.8G	11a	149	5745	13.36	15.00	No
		157	5785	15.15	16.00	Yes
		165	5825	15.05	16.00	No
	11n20	149	5745	15.34	16.00	No
		157	5785	15.14	16.00	No
		165	5825	15.06	16.00	No
	11n40	151	5755	14.98	16.00	No
		159	5795	14.83	16.00	No
		149	5745	14.39	15.00	No
	11ac20	157	5785	14.16	15.00	No
		165	5825	14.06	15.00	No
		151	5755	14.53	15.00	No
	11ac40	159	5795	14.36	15.00	No
	11ac80	155	5775	13.87	15.00	No
	11ax20	149	5745	14.41	15.00	No
		157	5785	14.24	15.00	No
		165	5825	14.13	15.00	No
	11ax40	151	5755	13.91	15.00	No
		159	5795	13.76	15.00	No
	11ax80	155	5775	13.38	15.00	No

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

1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

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

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

WIFI5G-ANT5&6-Full Power						
	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
5.2G	11a	36	5180	19.04	19.50	Yes
		44	5220	18.96	19.50	No
		48	5240	18.96	19.50	No
	11n20	36	5180	18.96	19.50	No
		44	5220	18.89	19.50	No
		48	5240	18.91	19.50	No
	11n40	38	5190	18.60	19.50	No
		46	5230	18.57	19.50	No
	11ac20	36	5180	17.91	18.50	No
		44	5220	17.89	18.50	No
		48	5240	17.89	18.50	No
	11ac40	38	5190	18.15	18.50	No
		46	5230	18.16	18.50	No
	11ac80	42	5210	17.60	18.50	No
	11ac160	50	5250	16.11	17.00	No
	11ax20	36	5180	17.93	18.50	No
		44	5220	17.93	18.50	No
		48	5240	17.91	18.50	No
	11ax40	38	5190	17.58	18.50	No
		46	5230	17.57	18.50	No
	11ax80	42	5210	17.13	18.50	No
	11ax160	50	5250	15.73	17.00	No
5.3G	11a	52	5260	18.94	20.00	No
		60	5300	19.12	20.00	No
		64	5320	19.33	20.00	Yes
	11n20	52	5260	18.93	20.00	No
		60	5300	19.08	20.00	No
		64	5320	19.29	20.00	No
	11n40	54	5270	18.49	20.00	No
		62	5310	18.84	20.00	No
	11ac20	52	5260	17.84	18.50	No
		60	5300	17.96	18.50	No
		64	5320	18.18	18.50	No
	11ac40	54	5270	18.02	18.50	No
		62	5310	18.30	18.50	No
	11ac80	58	5290	17.61	18.50	No
	11ax20	52	5260	17.87	18.50	No
		60	5300	18.03	18.50	No
		64	5320	18.24	18.50	No
	11ax40	54	5270	17.47	18.50	No
		62	5310	17.77	18.50	No
	11ax80	58	5290	17.07	18.50	No
5.6G	11a	100	5500	19.20	20.00	No
		116	5580	19.16	20.00	No
		140	5700	19.35	20.00	Yes
	11n20	100	5500	19.17	20.00	No
		116	5580	19.11	20.00	No
		140	5700	19.33	20.00	No
	11n40	102	5510	18.96	19.50	No
		118	5590	18.85	19.50	No
		134	5670	19.04	19.50	No
	11ac20	100	5500	18.24	20.00	No
		116	5580	18.17	20.00	No
		140	5700	18.41	20.00	No
	11ac40	102	5510	18.46	20.00	No
		118	5590	18.29	20.00	No
		134	5670	18.55	20.00	No
	11ac80	106	5530	17.96	18.50	No
	11ac160	122	5610	17.89	18.50	No
		114	5570	16.52	17.00	No
	11ax20	100	5500	18.33	18.50	No
		116	5580	18.22	18.50	No
		140	5700	18.47	18.50	No
	11ax40	102	5510	17.90	18.50	No
		118	5590	17.78	18.50	No
		134	5670	18.10	18.50	No
	11ax80	106	5530	17.48	18.50	No
	11ax160	122	5610	17.40	18.50	No
		114	5570	16.22	17.00	No
5.8G	11a	149	5745	18.05	19.50	No
		157	5785	18.69	19.50	Yes
		165	5825	18.67	19.50	No
	11n20	149	5745	18.80	19.50	No
		157	5785	18.68	19.50	No
		165	5825	18.67	19.50	No
	11n40	151	5755	18.53	19.50	No
		159	5795	18.42	19.50	No
		149	5745	17.92	18.50	No
	11ac20	157	5785	17.77	18.50	No
		165	5825	17.64	18.50	No
		151	5755	18.05	18.50	No
	11ac40	159	5795	17.93	18.50	No
	11ac80	155	5775	17.46	18.50	No
	11ax20	149	5745	17.96	18.50	No
		157	5785	17.82	18.50	No
		165	5825	17.70	18.50	No
	11ax40	151	5755	17.45	18.50	No
		159	5795	17.33	18.50	No
	11ax80	155	5775	16.96	17.00	No

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

1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

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

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

8.5 Bluetooth

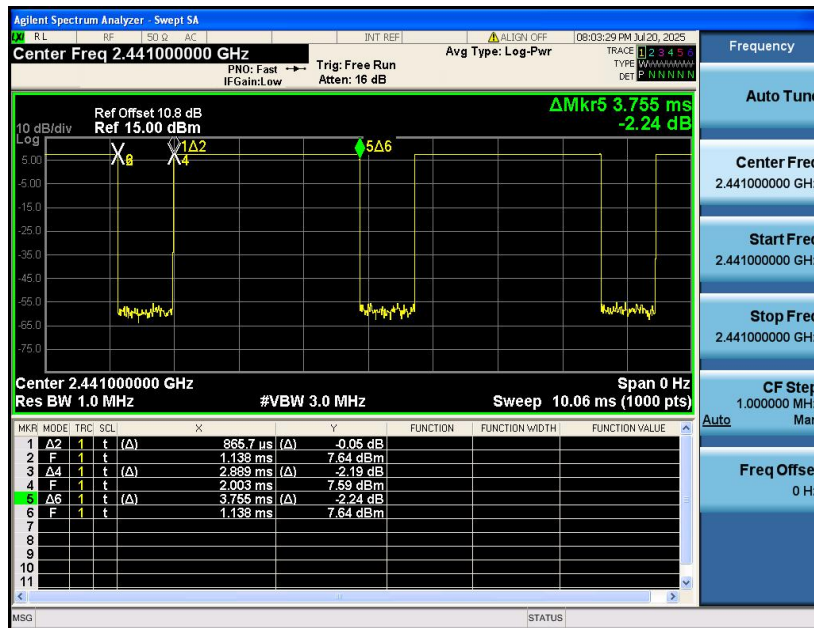
8.5.1 Bluetooth Output Power

Bluetooth-Ant.6-Full Power						
Test Mode	Modulation	Channel number	Frequency(MHz)	AV power (dBm)	Tune up (dBm))	SAR Test
BT	DH5	0	2402	14.19	15.00	No
		39	2441	15.47	15.50	Yes
		78	2480	13.96	15.00	No
	2DH5	0	2402	14.30	15.00	No
		39	2441	15.16	15.50	No
		78	2480	13.21	15.00	No
	3DH5	0	2402	14.18	15.00	No
		39	2441	15.02	15.50	No
		78	2480	13.15	15.00	No
	BLE-1M	0	2402	4.82	6.00	No
		19	2440	6.48	7.00	No
		39	2480	5.12	6.00	No
	BLE-2M	1	2404	4.80	6.00	No
		19	2440	6.61	7.00	No
		38	2478	5.43	6.00	No
Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

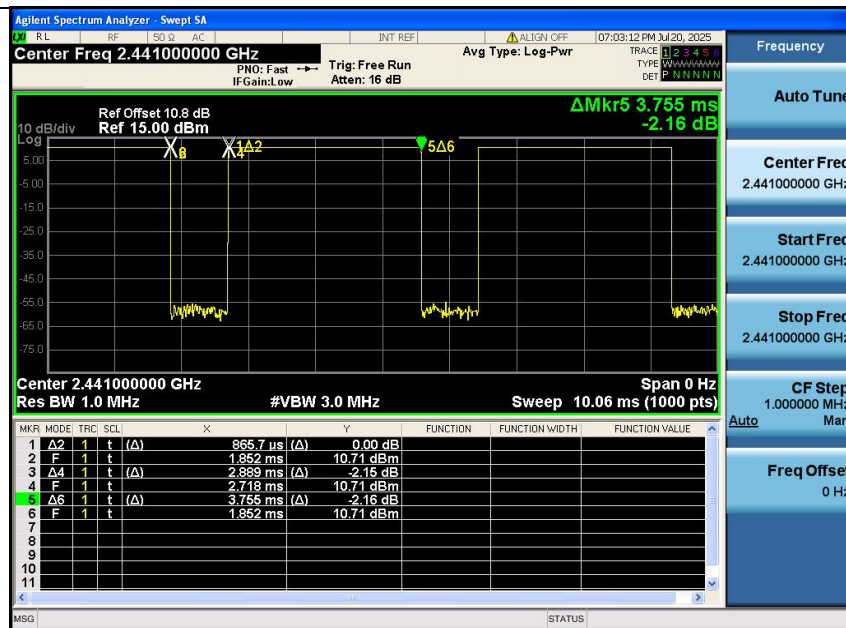
Bluetooth-Ant.5-Full Power						
Test Mode	Modulation	Channel number	Frequency(MHz)	AV power (dBm)	Tune up (dBm))	SAR Test
BT	DH5	0	2402	14.96	15.00	No
		39	2441	16.40	16.50	Yes
		78	2480	15.40	16.00	No
	2DH5	0	2402	14.45	15.00	No
		39	2441	15.11	16.00	No
		78	2480	13.75	15.00	No
	3DH5	0	2402	14.67	15.00	No
		39	2441	15.06	16.00	No
		78	2480	13.66	15.00	No
	BLE-1M	0	2402	6.33	7.00	No
		19	2440	7.76	8.00	No
		39	2480	6.60	7.00	No
	BLE-2M	1	2404	6.85	7.00	No
		19	2440	7.73	8.00	No
		38	2478	6.95	7.00	No
Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

8.5.2 Bluetooth Duty Cycle

The Bluetooth duty cycle is 76.94% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.
Duty Cycle-ANT.5



The Bluetooth duty cycle is 76.94% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.
Duty Cycle-ANT.6



8.6 RFID Output Power

Ant.4				
Test Mode	Fre.(MHz)	AV output power(dBm)	Tune up power(dBm)	SAR Test
UHF	902.75	27.94	28.50	Yes
UHF	914.75	27.85	28.50	NO
UHF	927.25	27.79	28.50	NO