8 CONDUCTED RF OUTPUT POWER

8.2	WCDMA Output Power
8.3	LTE Output Power
8.4	LTE ENDC Output Power
8.5	NR Output Power
8.6	NR ENDC Output Power
8.7	WIFI Output Power
8.8	Bluetooth
8.8.1	Bluetooth Output Power
8.8.2	Bluetooth Duty Cycle

8.2 WCDMA Output Power

WCDMA					
WCDMA B2	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		9262	9400	9538	
AMR	ANT0	21.56	21.64	21.71	22.00
RMC	ANT0	21.68	21.64	21.84	22.00
HSDPA Subtest-1	ANT0	20.70	20.63	20.86	21.00
HSDPA Subtest-2	ANT0	20.75	20.64	20.85	21.00
HSDPA Subtest-3	ANT0	20.22	20.15	20.37	20.50
HSDPA Subtest-4	ANT0	20.15	20.10	20.33	20.50
HSUPA Subtest-1	ANT0	20.71	20.64	20.82	21.00
HSUPA Subtest-2	ANT0	18.68	18.73	18.86	19.00
HSUPA Subtest-3	ANT0	19.78	19.60	19.84	20.00
HSUPA Subtest-4	ANT0	18.72	18.62	18.90	19.00
HSUPA Subtest-5	ANT0	20.77	20.67	20.90	21.00

WCDMA					
WCDMA B4	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		1312	1412	1513	
AMR	ANT0	21.63	21.65	21.58	22.00
RMC	ANT0	21.68	21.66	21.67	22.00
HSDPA Subtest-1	ANT0	20.99	20.76	20.91	21.00
HSDPA Subtest-2	ANT0	21.00	20.94	20.90	21.00
HSDPA Subtest-3	ANT0	20.49	20.44	20.43	20.50
HSDPA Subtest-4	ANT0	20.46	20.50	20.40	20.50
HSUPA Subtest-1	ANT0	21.13	21.01	21.02	21.50
HSUPA Subtest-2	ANT0	19.11	19.07	19.01	19.50
HSUPA Subtest-3	ANT0	20.05	20.02	20.06	20.50
HSUPA Subtest-4	ANT0	19.11	18.94	19.01	19.50
HSUPA Subtest-5	ANT0	21.10	21.02	21.03	21.50

WCDMA					
WCDMA B5	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		4132	4183	4233	
AMR	ANT0	22.65	22.72	22.74	23.00
RMC	ANT0	22.71	22.81	22.77	23.00
HSDPA Subtest-1	ANT0	21.75	21.80	21.76	22.00
HSDPA Subtest-2	ANT0	21.71	21.81	21.75	22.00
HSDPA Subtest-3	ANT0	21.21	21.32	21.25	21.50
HSDPA Subtest-4	ANT0	21.22	21.30	21.25	21.50
HSUPA Subtest-1	ANT0	21.69	21.96	21.77	22.00
HSUPA Subtest-2	ANT0	19.69	19.88	19.84	20.00
HSUPA Subtest-3	ANT0	20.64	20.84	20.83	21.00
HSUPA Subtest-4	ANT0	19.75	19.89	19.73	20.00
HSUPA Subtest-5	ANT0	21.72	21.93	21.79	22.00

8.3 LTE Output Power

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	20.95	20.85	21.12	22.00
1.4	QPSK	1	2	ANT0	20.99	20.88	21.11	22.00
1.4	QPSK	1	5	ANT0	20.93	20.87	21.11	22.00
1.4	QPSK	3	0	ANT0	20.97	20.92	21.11	22.00
1.4	QPSK	3	1	ANT0	20.99	20.89	21.11	22.00
1.4	QPSK	3	3	ANT0	20.91	20.85	21.13	22.00
1.4	QPSK	6	0	ANT0	19.97	19.86	20.10	21.00
1.4	16QAM	1	0	ANT0	20.06	20.03	20.25	21.00
1.4	16QAM	1	2	ANT0	20.11	20.07	20.29	21.00
1.4	16QAM	1	5	ANT0	20.03	20.04	20.28	21.00
1.4	16QAM	3	0	ANT0	20.00	19.97	20.19	21.00
1.4	16QAM	3	1	ANT0	20.03	19.93	20.15	21.00
1.4	16QAM	3	3	ANT0	20.12	19.91	20.15	21.00
1.4	16QAM	6	0	ANT0	18.98	18.93	19.02	20.00
1.4	64QAM	1	0	ANT0	19.08	19.10	19.41	20.00
1.4	64QAM	1	2	ANT0	19.10	19.14	19.37	20.00
1.4	64QAM	1	5	ANT0	19.03	19.07	19.38	20.00
1.4	64QAM	3	0	ANT0	19.08	19.01	19.31	20.00
1.4	64QAM	3	1	ANT0	19.07	18.96	19.29	20.00
1.4	64QAM	3	3	ANT0	19.08	18.94	19.27	20.00
1.4	64QAM	6	0	ANT0	18.01	17.89	18.09	19.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT0	20.92	20.86	21.15	22.00
3	QPSK	1	7	ANT0	20.97	20.96	21.19	22.00
3	QPSK	1	14	ANT0	20.86	20.89	21.11	22.00
3	QPSK	8	0	ANT0	19.99	19.92	20.13	21.00
3	QPSK	8	3	ANT0	20.04	19.87	20.16	21.00
3	QPSK	8	7	ANT0	19.99	19.88	20.14	21.00
3	QPSK	15	0	ANT0	19.97	19.92	20.20	21.00
3	16QAM	1	0	ANT0	19.97	19.98	20.22	21.00
3	16QAM	1	7	ANT0	20.15	20.05	20.29	21.00
3	16QAM	1	14	ANT0	20.07	20.05	20.14	21.00
3	16QAM	8	0	ANT0	19.01	18.91	19.25	20.00
3	16QAM	8	3	ANT0	19.03	18.90	19.23	20.00
3	16QAM	8	7	ANT0	19.02	18.87	19.23	20.00
3	16QAM	15	0	ANT0	18.98	18.93	19.20	20.00
3	64QAM	1	0	ANT0	19.14	19.07	19.38	20.00
3	64QAM	1	7	ANT0	19.25	19.18	19.47	20.00
3	64QAM	1	14	ANT0	19.01	19.12	19.38	20.00
3	64QAM	8	0	ANT0	18.04	17.98	18.18	19.00
3	64QAM	8	3	ANT0	17.99	17.97	18.21	19.00
3	64QAM	8	7	ANT0	17.98	17.94	18.17	19.00
3	64QAM	15	0	ANT0	17.96	17.90	18.19	19.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT0	20.96	20.89	21.13	22.00
5	QPSK	1	12	ANT0	21.01	20.97	21.21	22.00
5	QPSK	1	24	ANT0	20.95	20.91	21.13	22.00
5	QPSK	12	0	ANT0	19.97	19.90	20.22	21.00
5	QPSK	12	6	ANT0	20.02	19.96	20.23	21.00
5	QPSK	12	13	ANT0	19.96	19.93	20.19	21.00
5	QPSK	25	0	ANT0	19.95	19.94	20.21	21.00
5	16QAM	1	0	ANT0	20.02	20.02	20.44	21.00
5	16QAM	1	12	ANT0	20.10	20.09	20.40	21.00
5	16QAM	1	24	ANT0	20.13	20.01	20.31	21.00
5	16QAM	12	0	ANT0	19.09	18.93	19.22	20.00
5	16QAM	12	6	ANT0	19.16	18.99	19.26	20.00
5	16QAM	12	13	ANT0	19.15	18.94	19.23	20.00
5	16QAM	25	0	ANT0	19.02	18.97	19.22	20.00
5	64QAM	1	0	ANT0	19.17	18.97	19.11	20.00
5	64QAM	1	12	ANT0	19.24	19.22	19.20	20.00
5	64QAM	1	24	ANT0	19.21	19.01	19.26	20.00
5	64QAM	12	0	ANT0	18.04	17.93	18.25	19.00
5	64QAM	12	6	ANT0	18.10	18.03	18.24	19.00
5	64QAM	12	13	ANT0	18.06	17.98	18.21	19.00
5	64QAM	25	0	ANT0	18.01	17.96	18.19	19.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT0	20.98	20.93	21.25	22.00
10	QPSK	1	24	ANT0	21.01	20.94	21.25	22.00
10	QPSK	1	49	ANT0	20.95	20.91	21.20	22.00
10	QPSK	25	0	ANT0	20.02	19.94	20.16	21.00
10	QPSK	25	12	ANT0	19.98	19.98	20.19	21.00
10	QPSK	25	25	ANT0	19.99	19.94	20.26	21.00
10	QPSK	50	0	ANT0	19.97	19.94	20.16	21.00
10	16QAM	1	0	ANT0	20.11	20.15	20.42	21.00
10	16QAM	1	24	ANT0	20.16	20.07	20.43	21.00
10	16QAM	1	49	ANT0	20.15	20.10	20.38	21.00
10	16QAM	25	0	ANT0	19.10	18.98	19.20	20.00
10	16QAM	25	12	ANT0	18.96	19.01	19.20	20.00
10	16QAM	25	25	ANT0	18.99	18.99	19.28	20.00
10	16QAM	50	0	ANT0	18.97	18.95	19.21	20.00
10	64QAM	1	0	ANT0	18.98	19.13	19.45	20.00
10	64QAM	1	24	ANT0	19.08	19.14	19.42	20.00
10	64QAM	1	49	ANT0	19.00	19.15	19.42	20.00
10	64QAM	25	0	ANT0	18.03	17.98	18.20	19.00
10	64QAM	25	12	ANT0	18.01	17.99	18.17	19.00
10	64QAM	25	25	ANT0	17.96	18.00	18.23	19.00
10	64QAM	50	0	ANT0	17.97	17.93	18.22	19.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT0	20.76	20.75	20.99	22.00
15	QPSK	1	37	ANT0	20.86	20.70	21.04	22.00
15	QPSK	1	74	ANT0	20.85	20.69	20.97	22.00
15	QPSK	36	0	ANT0	19.87	19.82	20.06	21.00
15	QPSK	36	19	ANT0	19.91	19.79	20.03	21.00
15	QPSK	36	39	ANT0	19.87	19.84	20.08	21.00
15	QPSK	75	0	ANT0	19.83	19.83	20.05	21.00
15	16QAM	1	0	ANT0	19.83	19.97	20.06	21.00
15	16QAM	1	37	ANT0	20.03	19.85	20.21	21.00
15	16QAM	1	74	ANT0	19.94	19.93	20.05	21.00
15	16QAM	36	0	ANT0	18.89	18.81	19.02	20.00
15	16QAM	36	19	ANT0	18.89	18.79	19.07	20.00
15	16QAM	36	39	ANT0	18.90	18.79	19.08	20.00
15	16QAM	75	0	ANT0	18.80	18.83	19.04	20.00
15	64QAM	1	0	ANT0	18.92	19.02	19.31	20.00
15	64QAM	1	37	ANT0	18.90	18.85	19.39	20.00
15	64QAM	1	74	ANT0	19.00	18.86	19.29	20.00
15	64QAM	36	0	ANT0	17.89	17.80	18.00	19.00
15	64QAM	36	19	ANT0	17.93	17.80	17.99	19.00
15	64QAM	36	39	ANT0	17.88	17.80	18.09	19.00
15	64QAM	75	0	ANT0	17.80	17.79	18.05	19.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT0	20.70	20.69	20.87	22.00
20	QPSK	1	49	ANT0	20.76	20.62	20.95	22.00
20	QPSK	1	99	ANT0	20.73	20.67	20.87	22.00
20	QPSK	50	0	ANT0	19.86	19.71	19.92	21.00
20	QPSK	50	25	ANT0	19.90	19.76	20.02	21.00
20	QPSK	50	50	ANT0	19.83	19.77	20.02	21.00
20	QPSK	100	0	ANT0	19.81	19.77	19.96	21.00
20	16QAM	1	0	ANT0	19.92	19.72	20.07	21.00
20	16QAM	1	49	ANT0	19.89	19.67	20.10	21.00
20	16QAM	1	99	ANT0	19.88	19.71	20.10	21.00
20	16QAM	50	0	ANT0	18.87	18.72	19.00	20.00
20	16QAM	50	25	ANT0	18.91	18.74	19.08	20.00
20	16QAM	50	50	ANT0	18.83	18.74	19.05	20.00
20	16QAM	100	0	ANT0	18.81	18.75	18.98	20.00
20	64QAM	1	0	ANT0	18.87	18.85	19.11	20.00
20	64QAM	1	49	ANT0	18.92	18.79	19.23	20.00
20	64QAM	1	99	ANT0	18.88	18.81	19.05	20.00
20	64QAM	50	0	ANT0	17.86	17.73	17.96	19.00
20	64QAM	50	25	ANT0	17.85	17.78	18.07	19.00
20	64QAM	50	50	ANT0	17.75	17.78	18.03	19.00
20	64QAM	100	0	ANT0	17.70	17.76	17.99	19.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19957	20175	20393	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	21.27	21.30	21.22	22.00
1.4	QPSK	1	2	ANT0	21.28	21.31	21.28	22.00
1.4	QPSK	1	5	ANT0	21.22	21.30	21.26	22.00
1.4	QPSK	3	0	ANT0	21.31	21.29	21.25	22.00
1.4	QPSK	3	1	ANT0	21.31	21.30	21.27	22.00
1.4	QPSK	3	3	ANT0	21.28	21.30	21.25	22.00
1.4	QPSK	6	0	ANT0	20.30	20.29	20.25	21.00
1.4	16QAM	1	0	ANT0	20.37	20.41	20.45	21.00
1.4	16QAM	1	2	ANT0	20.41	20.51	20.42	21.00
1.4	16QAM	1	5	ANT0	20.31	20.45	20.46	21.00
1.4	16QAM	3	0	ANT0	20.39	20.32	20.29	21.00
1.4	16QAM	3	1	ANT0	20.36	20.34	20.32	21.00
1.4	16QAM	3	3	ANT0	20.34	20.34	20.28	21.00
1.4	16QAM	6	0	ANT0	19.16	19.41	19.38	20.00
1.4	64QAM	1	0	ANT0	19.45	19.45	19.40	20.00
1.4	64QAM	1	2	ANT0	19.34	19.52	19.46	20.00
1.4	64QAM	1	5	ANT0	19.34	19.43	19.54	20.00
1.4	64QAM	3	0	ANT0	19.40	19.43	19.29	20.00
1.4	64QAM	3	1	ANT0	19.35	19.40	19.40	20.00
1.4	64QAM	3	3	ANT0	19.38	19.36	19.37	20.00
1.4	64QAM	6	0	ANT0	18.33	18.29	18.28	19.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19965	20175	20385	Tune-up power(dBm)
3	QPSK	1	0	ANT0	21.27	21.33	21.31	22.00
3	QPSK	1	7	ANT0	21.29	21.38	21.31	22.00
3	QPSK	1	14	ANT0	21.23	21.31	21.21	22.00
3	QPSK	8	0	ANT0	20.30	20.34	20.35	21.00
3	QPSK	8	3	ANT0	20.38	20.38	20.36	21.00
3	QPSK	8	7	ANT0	20.32	20.28	20.33	21.00
3	QPSK	15	0	ANT0	20.34	20.26	20.35	21.00
3	16QAM	1	0	ANT0	20.41	20.45	20.42	21.00
3	16QAM	1	7	ANT0	20.58	20.61	20.48	21.00
3	16QAM	1	14	ANT0	20.36	20.41	20.42	21.00
3	16QAM	8	0	ANT0	19.39	19.37	19.31	20.00
3	16QAM	8	3	ANT0	19.40	19.42	19.36	20.00
3	16QAM	8	7	ANT0	19.32	19.28	19.31	20.00
3	16QAM	15	0	ANT0	19.36	19.28	19.33	20.00
3	64QAM	1	0	ANT0	19.30	19.50	19.40	20.00
3	64QAM	1	7	ANT0	19.47	19.57	19.46	20.00
3	64QAM	1	14	ANT0	19.42	19.47	19.43	20.00
3	64QAM	8	0	ANT0	18.43	18.35	18.39	19.00
3	64QAM	8	3	ANT0	18.50	18.40	18.42	19.00
3	64QAM	8	7	ANT0	18.44	18.31	18.40	19.00
3	64QAM	15	0	ANT0	18.34	18.30	18.34	19.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19975	20175	20375	Tune-up power(dBm)
5	QPSK	1	0	ANT0	21.37	21.27	21.25	22.00
5	QPSK	1	12	ANT0	21.34	21.39	21.32	22.00
5	QPSK	1	24	ANT0	21.29	21.34	21.23	22.00
5	QPSK	12	0	ANT0	20.37	20.31	20.33	21.00
5	QPSK	12	6	ANT0	20.36	20.38	20.32	21.00
5	QPSK	12	13	ANT0	20.30	20.32	20.35	21.00
5	QPSK	25	0	ANT0	20.33	20.26	20.28	21.00
5	16QAM	1	0	ANT0	20.37	20.45	20.47	21.00
5	16QAM	1	12	ANT0	20.43	20.52	20.49	21.00
5	16QAM	1	24	ANT0	20.40	20.49	20.41	21.00
5	16QAM	12	0	ANT0	19.36	19.35	19.38	20.00
5	16QAM	12	6	ANT0	19.37	19.42	19.41	20.00
5	16QAM	12	13	ANT0	19.34	19.34	19.41	20.00
5	16QAM	25	0	ANT0	19.35	19.30	19.33	20.00
5	64QAM	1	0	ANT0	19.50	19.37	19.35	20.00
5	64QAM	1	12	ANT0	19.55	19.58	19.48	20.00
5	64QAM	1	24	ANT0	19.56	19.48	19.31	20.00
5	64QAM	12	0	ANT0	18.31	18.39	18.31	19.00
5	64QAM	12	6	ANT0	18.43	18.39	18.34	19.00
5	64QAM	12	13	ANT0	18.40	18.31	18.34	19.00
5	64QAM	25	0	ANT0	18.37	18.31	18.30	19.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20000	20175	20350	Tune-up power(dBm)
10	QPSK	1	0	ANT0	21.34	21.30	21.31	22.00
10	QPSK	1	24	ANT0	21.32	21.37	21.29	22.00
10	QPSK	1	49	ANT0	21.23	21.32	21.31	22.00
10	QPSK	25	0	ANT0	20.37	20.32	20.32	21.00
10	QPSK	25	12	ANT0	20.32	20.42	20.34	21.00
10	QPSK	25	25	ANT0	20.27	20.33	20.36	21.00
10	QPSK	50	0	ANT0	20.29	20.31	20.31	21.00
10	16QAM	1	0	ANT0	20.42	20.34	20.47	21.00
10	16QAM	1	24	ANT0	20.52	20.47	20.42	21.00
10	16QAM	1	49	ANT0	20.46	20.41	20.39	21.00
10	16QAM	25	0	ANT0	19.41	19.38	19.33	20.00
10	16QAM	25	12	ANT0	19.34	19.44	19.34	20.00
10	16QAM	25	25	ANT0	19.34	19.37	19.36	20.00
10	16QAM	50	0	ANT0	19.31	19.30	19.32	20.00
10	64QAM	1	0	ANT0	19.44	19.59	19.59	20.00
10	64QAM	1	24	ANT0	19.46	19.71	19.57	20.00
10	64QAM	1	49	ANT0	19.30	19.65	19.58	20.00
10	64QAM	25	0	ANT0	18.36	18.32	18.30	19.00
10	64QAM	25	12	ANT0	18.32	18.37	18.34	19.00
10	64QAM	25	25	ANT0	18.30	18.37	18.35	19.00
10	64QAM	50	0	ANT0	18.27	18.27	18.32	19.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20025	20175	20325	Tune-up power(dBm)
15	QPSK	1	0	ANT0	21.13	21.04	21.17	22.00
15	QPSK	1	37	ANT0	21.08	21.09	21.13	22.00
15	QPSK	1	74	ANT0	21.10	21.13	21.15	22.00
15	QPSK	36	0	ANT0	20.18	20.16	20.23	21.00
15	QPSK	36	19	ANT0	20.18	20.11	20.17	21.00
15	QPSK	36	39	ANT0	20.13	20.16	20.12	21.00
15	QPSK	75	0	ANT0	20.11	20.14	20.19	21.00
15	16QAM	1	0	ANT0	20.19	20.12	20.27	21.00
15	16QAM	1	37	ANT0	20.23	20.33	20.36	21.00
15	16QAM	1	74	ANT0	20.21	20.37	20.31	21.00
15	16QAM	36	0	ANT0	19.16	19.14	19.19	20.00
15	16QAM	36	19	ANT0	19.19	19.12	19.18	20.00
15	16QAM	36	39	ANT0	19.13	19.19	19.13	20.00
15	16QAM	75	0	ANT0	19.08	19.14	19.19	20.00
15	64QAM	1	0	ANT0	19.17	19.22	19.29	20.00
15	64QAM	1	37	ANT0	19.21	19.28	19.29	20.00
15	64QAM	1	74	ANT0	19.26	19.36	19.30	20.00
15	64QAM	36	0	ANT0	18.18	18.15	18.19	19.00
15	64QAM	36	19	ANT0	18.17	18.11	18.16	19.00
15	64QAM	36	39	ANT0	18.14	18.15	18.10	19.00
15	64QAM	75	0	ANT0	18.15	18.13	18.20	19.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20050	20175	20300	Tune-up power(dBm)
20	QPSK	1	0	ANT0	21.18	21.05	21.17	22.00
20	QPSK	1	49	ANT0	21.04	21.07	21.15	22.00
20	QPSK	1	99	ANT0	21.10	21.15	21.15	22.00
20	QPSK	50	0	ANT0	20.21	20.14	20.24	21.00
20	QPSK	50	25	ANT0	20.14	20.14	20.23	21.00
20	QPSK	50	50	ANT0	20.10	20.16	20.12	21.00
20	QPSK	100	0	ANT0	20.09	20.13	20.20	21.00
20	16QAM	1	0	ANT0	20.13	20.04	20.25	21.00
20	16QAM	1	49	ANT0	20.16	20.05	20.18	21.00
20	16QAM	1	99	ANT0	20.15	20.14	20.23	21.00
20	16QAM	50	0	ANT0	19.15	19.18	19.22	20.00
20	16QAM	50	25	ANT0	19.18	19.14	19.22	20.00
20	16QAM	50	50	ANT0	19.08	19.19	19.12	20.00
20	16QAM	100	0	ANT0	19.11	19.13	19.23	20.00
20	64QAM	1	0	ANT0	19.27	19.22	19.39	20.00
20	64QAM	1	49	ANT0	19.17	19.25	19.42	20.00
20	64QAM	1	99	ANT0	19.27	19.28	19.29	20.00
20	64QAM	50	0	ANT0	18.14	18.15	18.25	19.00
20	64QAM	50	25	ANT0	18.15	18.14	18.25	19.00
20	64QAM	50	50	ANT0	18.07	18.23	18.10	19.00
20	64QAM	100	0	ANT0	18.08	18.13	18.19	19.00

Band				LTE Band5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20407	20525	20643	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	22.23	22.24	22.06	23.00
1.4	QPSK	1	2	ANT0	22.29	22.34	22.06	23.00
1.4	QPSK	1	5	ANT0	22.24	22.30	22.01	23.00
1.4	QPSK	3	0	ANT0	22.29	22.28	22.04	23.00
1.4	QPSK	3	1	ANT0	22.29	22.32	22.06	23.00
1.4	QPSK	3	3	ANT0	22.29	22.29	22.01	23.00
1.4	QPSK	6	0	ANT0	21.30	21.20	21.04	22.00
1.4	16QAM	1	0	ANT0	21.38	21.40	21.25	22.00
1.4	16QAM	1	2	ANT0	21.39	21.44	21.25	22.00
1.4	16QAM	1	5	ANT0	21.36	21.52	21.10	22.00
1.4	16QAM	3	0	ANT0	21.35	21.38	21.15	22.00
1.4	16QAM	3	1	ANT0	21.38	21.40	21.10	22.00
1.4	16QAM	3	3	ANT0	21.39	21.24	21.19	22.00
1.4	16QAM	6	0	ANT0	20.33	20.27	20.12	21.00
1.4	64QAM	1	0	ANT0	20.34	20.45	20.21	21.00
1.4	64QAM	1	2	ANT0	20.45	20.50	20.38	21.00
1.4	64QAM	1	5	ANT0	20.36	20.55	20.17	21.00
1.4	64QAM	3	0	ANT0	20.32	20.35	20.15	21.00
1.4	64QAM	3	1	ANT0	20.37	20.34	20.13	21.00
1.4	64QAM	3	3	ANT0	20.33	20.29	20.13	21.00
1.4	64QAM	6	0	ANT0	19.36	19.22	19.15	20.00

Band				LTE Band5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20415	20525	20635	Tune-up power(dBm)
3	QPSK	1	0	ANT0	22.20	22.31	22.16	23.00
3	QPSK	1	7	ANT0	22.27	22.36	22.16	23.00
3	QPSK	1	14	ANT0	22.18	22.28	22.04	23.00
3	QPSK	8	0	ANT0	21.30	21.25	21.17	22.00
3	QPSK	8	3	ANT0	21.29	21.27	21.12	22.00
3	QPSK	8	7	ANT0	21.30	21.32	21.09	22.00
3	QPSK	15	0	ANT0	21.28	21.24	21.16	22.00
3	16QAM	1	0	ANT0	21.38	21.47	21.27	22.00
3	16QAM	1	7	ANT0	21.44	21.56	21.18	22.00
3	16QAM	1	14	ANT0	21.45	21.40	21.16	22.00
3	16QAM	8	0	ANT0	20.33	20.27	20.19	21.00
3	16QAM	8	3	ANT0	20.38	20.30	20.19	21.00
3	16QAM	8	7	ANT0	20.29	20.35	20.07	21.00
3	16QAM	15	0	ANT0	20.36	20.22	20.16	21.00
3	64QAM	1	0	ANT0	20.48	20.38	20.36	21.00
3	64QAM	1	7	ANT0	20.49	20.57	20.24	21.00
3	64QAM	1	14	ANT0	20.41	20.44	20.13	21.00
3	64QAM	8	0	ANT0	19.31	19.32	19.25	20.00
3	64QAM	8	3	ANT0	19.31	19.34	19.26	20.00
3	64QAM	8	7	ANT0	19.30	19.38	19.20	20.00
3	64QAM	15	0	ANT0	19.34	19.27	19.12	20.00

Band				LTE Band5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20425	20525	20625	Tune-up power(dBm)
5	QPSK	1	0	ANT0	22.28	22.25	22.20	23.00
5	QPSK	1	12	ANT0	22.34	22.36	22.20	23.00
5	QPSK	1	24	ANT0	22.28	22.26	22.06	23.00
5	QPSK	12	0	ANT0	21.32	21.24	21.18	22.00
5	QPSK	12	6	ANT0	21.37	21.26	21.18	22.00
5	QPSK	12	13	ANT0	21.27	21.31	21.12	22.00
5	QPSK	25	0	ANT0	21.29	21.23	21.13	22.00
5	16QAM	1	0	ANT0	21.35	21.43	21.43	22.00
5	16QAM	1	12	ANT0	21.36	21.42	21.35	22.00
5	16QAM	1	24	ANT0	21.33	21.42	21.17	22.00
5	16QAM	12	0	ANT0	20.24	20.21	20.21	21.00
5	16QAM	12	6	ANT0	20.27	20.24	20.21	21.00
5	16QAM	12	13	ANT0	20.26	20.30	20.15	21.00
5	16QAM	25	0	ANT0	20.32	20.23	20.18	21.00
5	64QAM	1	0	ANT0	20.41	20.42	20.15	21.00
5	64QAM	1	12	ANT0	20.54	20.57	20.14	21.00
5	64QAM	1	24	ANT0	20.40	20.48	20.01	21.00
5	64QAM	12	0	ANT0	19.34	19.28	19.24	20.00
5	64QAM	12	6	ANT0	19.41	19.28	19.27	20.00
5	64QAM	12	13	ANT0	19.33	19.32	19.13	20.00
5	64QAM	25	0	ANT0	19.32	19.24	19.18	20.00

Band				LTE Band5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20450	20525	20600	Tune-up power(dBm)
10	QPSK	1	0	ANT0	22.29	22.32	22.31	23.00
10	QPSK	1	24	ANT0	22.27	22.32	22.29	23.00
10	QPSK	1	49	ANT0	22.21	22.23	22.10	23.00
10	QPSK	25	0	ANT0	21.35	21.25	21.29	22.00
10	QPSK	25	12	ANT0	21.31	21.27	21.24	22.00
10	QPSK	25	25	ANT0	21.28	21.23	21.19	22.00
10	QPSK	50	0	ANT0	21.29	21.26	21.25	22.00
10	16QAM	1	0	ANT0	21.46	21.40	21.46	22.00
10	16QAM	1	24	ANT0	21.49	21.47	21.39	22.00
10	16QAM	1	49	ANT0	21.36	21.44	21.18	22.00
10	16QAM	25	0	ANT0	20.31	20.30	20.33	21.00
10	16QAM	25	12	ANT0	20.32	20.29	20.28	21.00
10	16QAM	25	25	ANT0	20.32	20.27	20.19	21.00
10	16QAM	50	0	ANT0	20.32	20.25	20.27	21.00
10	64QAM	1	0	ANT0	20.45	20.53	20.57	21.00
10	64QAM	1	24	ANT0	20.34	20.65	20.47	21.00
10	64QAM	1	49	ANT0	20.26	20.54	20.24	21.00
10	64QAM	25	0	ANT0	19.34	19.28	19.29	20.00
10	64QAM	25	12	ANT0	19.37	19.29	19.30	20.00
10	64QAM	25	25	ANT0	19.30	19.28	19.17	20.00
10	64QAM	50	0	ANT0	19.31	19.26	19.24	20.00

Band				LTE Band7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20775	21100	21425	Tune-up power(dBm)
5	QPSK	1	0	ANT0	20.78	20.71	20.49	21.50
5	QPSK	1	12	ANT0	20.86	20.78	20.52	21.50
5	QPSK	1	24	ANT0	20.80	20.69	20.47	21.50
5	QPSK	12	0	ANT0	19.81	19.76	19.53	20.50
5	QPSK	12	6	ANT0	19.84	19.78	19.55	20.50
5	QPSK	12	13	ANT0	19.84	19.75	19.51	20.50
5	QPSK	25	0	ANT0	19.85	19.75	19.51	20.50
5	16QAM	1	0	ANT0	19.94	19.70	19.72	20.50
5	16QAM	1	12	ANT0	19.89	19.75	19.65	20.50
5	16QAM	1	24	ANT0	19.83	19.84	19.71	20.50
5	16QAM	12	0	ANT0	18.79	18.72	18.62	19.50
5	16QAM	12	6	ANT0	18.83	18.78	18.65	19.50
5	16QAM	12	13	ANT0	18.79	18.75	18.60	19.50
5	16QAM	25	0	ANT0	18.83	18.79	18.58	19.50
5	64QAM	1	0	ANT0	19.05	18.92	18.60	19.50
5	64QAM	1	12	ANT0	19.16	18.98	18.53	19.50
5	64QAM	1	24	ANT0	19.04	18.97	18.53	19.50
5	64QAM	12	0	ANT0	17.86	17.82	17.58	18.50
5	64QAM	12	6	ANT0	17.88	17.84	17.62	18.50
5	64QAM	12	13	ANT0	17.87	17.78	17.54	18.50
5	64QAM	25	0	ANT0	17.86	17.80	17.53	18.50

Band				LTE Band7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20800	21100	21400	Tune-up power(dBm)
10	QPSK	1	0	ANT0	20.79	20.72	20.60	21.50
10	QPSK	1	24	ANT0	20.78	20.71	20.56	21.50
10	QPSK	1	49	ANT0	20.69	20.65	20.47	21.50
10	QPSK	25	0	ANT0	19.84	19.77	19.59	20.50
10	QPSK	25	12	ANT0	19.77	19.78	19.58	20.50
10	QPSK	25	25	ANT0	19.75	19.68	19.52	20.50
10	QPSK	50	0	ANT0	19.75	19.78	19.58	20.50
10	16QAM	1	0	ANT0	19.99	19.86	19.82	20.50
10	16QAM	1	24	ANT0	19.81	19.93	19.71	20.50
10	16QAM	1	49	ANT0	19.97	19.92	19.53	20.50
10	16QAM	25	0	ANT0	18.86	18.79	18.64	19.50
10	16QAM	25	12	ANT0	18.82	18.82	18.63	19.50
10	16QAM	25	25	ANT0	18.77	18.69	18.56	19.50
10	16QAM	50	0	ANT0	18.76	18.77	18.63	19.50
10	64QAM	1	0	ANT0	18.78	18.82	18.75	19.50
10	64QAM	1	24	ANT0	18.84	18.81	18.70	19.50
10	64QAM	1	49	ANT0	18.75	18.87	18.78	19.50
10	64QAM	25	0	ANT0	17.86	17.76	17.63	18.50
10	64QAM	25	12	ANT0	17.78	17.81	17.65	18.50
10	64QAM	25	25	ANT0	17.75	17.69	17.56	18.50
10	64QAM	50	0	ANT0	17.76	17.80	17.62	18.50

Band				LTE Band7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20825	21100	21375	Tune-up power(dBm)
15	QPSK	1	0	ANT0	20.58	20.46	20.45	21.50
15	QPSK	1	37	ANT0	20.55	20.50	20.36	21.50
15	QPSK	1	74	ANT0	20.43	20.44	20.19	21.50
15	QPSK	36	0	ANT0	19.69	19.53	19.46	20.50
15	QPSK	36	19	ANT0	19.58	19.53	19.45	20.50
15	QPSK	36	39	ANT0	19.51	19.48	19.38	20.50
15	QPSK	75	0	ANT0	19.60	19.54	19.46	20.50
15	16QAM	1	0	ANT0	19.73	19.52	19.46	20.50
15	16QAM	1	37	ANT0	19.75	19.61	19.44	20.50
15	16QAM	1	74	ANT0	19.70	19.47	19.20	20.50
15	16QAM	36	0	ANT0	18.67	18.54	18.49	19.50
15	16QAM	36	19	ANT0	18.59	18.58	18.44	19.50
15	16QAM	36	39	ANT0	18.53	18.49	18.39	19.50
15	16QAM	75	0	ANT0	18.61	18.57	18.48	19.50
15	64QAM	1	0	ANT0	18.66	18.63	18.48	19.50
15	64QAM	1	37	ANT0	18.63	18.76	18.42	19.50
15	64QAM	1	74	ANT0	18.50	18.60	18.27	19.50
15	64QAM	36	0	ANT0	17.66	17.55	17.53	18.50
15	64QAM	36	19	ANT0	17.58	17.57	17.45	18.50
15	64QAM	36	39	ANT0	17.52	17.50	17.38	18.50
15	64QAM	75	0	ANT0	17.64	17.55	17.50	18.50

Band				LTE Band7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20850	21100	21350	Tune-up power(dBm)
20	QPSK	1	0	ANT0	20.61	20.48	20.45	21.50
20	QPSK	1	49	ANT0	20.55	20.44	20.37	21.50
20	QPSK	1	99	ANT0	20.44	20.43	20.23	21.50
20	QPSK	50	0	ANT0	19.67	19.56	19.52	20.50
20	QPSK	50	25	ANT0	19.58	19.58	19.49	20.50
20	QPSK	50	50	ANT0	19.50	19.49	19.33	20.50
20	QPSK	100	0	ANT0	19.53	19.54	19.44	20.50
20	16QAM	1	0	ANT0	19.46	19.50	19.55	20.50
20	16QAM	1	49	ANT0	19.72	19.42	19.56	20.50
20	16QAM	1	99	ANT0	19.60	19.39	19.45	20.50
20	16QAM	50	0	ANT0	18.72	18.58	18.54	19.50
20	16QAM	50	25	ANT0	18.63	18.62	18.51	19.50
20	16QAM	50	50	ANT0	18.54	18.52	18.33	19.50
20	16QAM	100	0	ANT0	18.58	18.57	18.49	19.50
20	64QAM	1	0	ANT0	18.76	18.61	18.62	19.50
20	64QAM	1	49	ANT0	18.73	18.76	18.65	19.50
20	64QAM	1	99	ANT0	18.69	18.49	18.44	19.50
20	64QAM	50	0	ANT0	17.73	17.58	17.51	18.50
20	64QAM	50	25	ANT0	17.60	17.60	17.52	18.50
20	64QAM	50	50	ANT0	17.55	17.50	17.40	18.50
20	64QAM	100	0	ANT0	17.56	17.60	17.50	18.50

Band				LTE Band12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23017	23095	23173	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	22.25	22.25	22.23	23.00
1.4	QPSK	1	2	ANT0	22.28	22.29	22.26	23.00
1.4	QPSK	1	5	ANT0	22.23	22.26	22.21	23.00
1.4	QPSK	3	0	ANT0	22.30	22.23	22.25	23.00
1.4	QPSK	3	1	ANT0	22.30	22.27	22.26	23.00
1.4	QPSK	3	3	ANT0	22.23	22.27	22.22	23.00
1.4	QPSK	6	0	ANT0	21.25	21.21	21.25	22.00
1.4	16QAM	1	0	ANT0	21.44	21.34	21.33	22.00
1.4	16QAM	1	2	ANT0	21.40	21.41	21.51	22.00
1.4	16QAM	1	5	ANT0	21.40	21.38	21.39	22.00
1.4	16QAM	3	0	ANT0	21.35	21.27	21.31	22.00
1.4	16QAM	3	1	ANT0	21.32	21.30	21.39	22.00
1.4	16QAM	3	3	ANT0	21.32	21.31	21.34	22.00
1.4	16QAM	6	0	ANT0	20.32	20.27	20.17	21.00
1.4	64QAM	1	0	ANT0	20.41	20.39	20.52	21.00
1.4	64QAM	1	2	ANT0	20.47	20.56	20.53	21.00
1.4	64QAM	1	5	ANT0	20.37	20.40	20.45	21.00
1.4	64QAM	3	0	ANT0	20.34	20.29	20.33	21.00
1.4	64QAM	3	1	ANT0	20.36	20.32	20.29	21.00
1.4	64QAM	3	3	ANT0	20.38	20.33	20.29	21.00
1.4	64QAM	6	0	ANT0	19.18	19.19	19.29	20.00

Band				LTE Band12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23025	23095	23165	Tune-up power(dBm)
3	QPSK	1	0	ANT0	22.24	22.26	22.25	23.00
3	QPSK	1	7	ANT0	22.27	22.34	22.31	23.00
3	QPSK	1	14	ANT0	22.17	22.22	22.20	23.00
3	QPSK	8	0	ANT0	21.35	21.22	21.24	22.00
3	QPSK	8	3	ANT0	21.33	21.21	21.32	22.00
3	QPSK	8	7	ANT0	21.29	21.28	21.28	22.00
3	QPSK	15	0	ANT0	21.32	21.18	21.32	22.00
3	16QAM	1	0	ANT0	21.35	21.44	21.39	22.00
3	16QAM	1	7	ANT0	21.44	21.46	21.42	22.00
3	16QAM	1	14	ANT0	21.33	21.42	21.30	22.00
3	16QAM	8	0	ANT0	20.36	20.28	20.36	21.00
3	16QAM	8	3	ANT0	20.36	20.24	20.35	21.00
3	16QAM	8	7	ANT0	20.37	20.33	20.33	21.00
3	16QAM	15	0	ANT0	20.33	20.27	20.30	21.00
3	64QAM	1	0	ANT0	20.42	20.39	20.52	21.00
3	64QAM	1	7	ANT0	20.44	20.50	20.57	21.00
3	64QAM	1	14	ANT0	20.34	20.40	20.51	21.00
3	64QAM	8	0	ANT0	19.32	19.29	19.26	20.00
3	64QAM	8	3	ANT0	19.36	19.33	19.29	20.00
3	64QAM	8	7	ANT0	19.28	19.36	19.24	20.00
3	64QAM	15	0	ANT0	19.33	19.20	19.29	20.00

Band				LTE Band12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23035	23095	23155	Tune-up power(dBm)
5	QPSK	1	0	ANT0	22.29	22.24	22.26	23.00
5	QPSK	1	12	ANT0	22.33	22.35	22.29	23.00
5	QPSK	1	24	ANT0	22.23	22.23	22.24	23.00
5	QPSK	12	0	ANT0	21.24	21.23	21.22	22.00
5	QPSK	12	6	ANT0	21.33	21.23	21.24	22.00
5	QPSK	12	13	ANT0	21.29	21.30	21.31	22.00
5	QPSK	25	0	ANT0	21.32	21.23	21.21	22.00
5	16QAM	1	0	ANT0	21.37	21.34	21.45	22.00
5	16QAM	1	12	ANT0	21.42	21.42	21.46	22.00
5	16QAM	1	24	ANT0	21.29	21.40	21.33	22.00
5	16QAM	12	0	ANT0	20.21	20.18	20.20	21.00
5	16QAM	12	6	ANT0	20.32	20.19	20.23	21.00
5	16QAM	12	13	ANT0	20.27	20.21	20.27	21.00
5	16QAM	25	0	ANT0	20.30	20.23	20.19	21.00
5	64QAM	1	0	ANT0	20.44	20.35	20.39	21.00
5	64QAM	1	12	ANT0	20.48	20.44	20.37	21.00
5	64QAM	1	24	ANT0	20.33	20.33	20.33	21.00
5	64QAM	12	0	ANT0	19.28	19.27	19.23	20.00
5	64QAM	12	6	ANT0	19.40	19.28	19.30	20.00
5	64QAM	12	13	ANT0	19.34	19.32	19.37	20.00
5	64QAM	25	0	ANT0	19.31	19.22	19.20	20.00

Band				LTE Band12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23060	23095	23130	Tune-up power(dBm)
10	QPSK	1	0	ANT0	22.28	22.30	22.31	23.00
10	QPSK	1	24	ANT0	22.22	22.32	22.29	23.00
10	QPSK	1	49	ANT0	22.15	22.19	22.25	23.00
10	QPSK	25	0	ANT0	21.27	21.25	21.25	22.00
10	QPSK	25	12	ANT0	21.35	21.27	21.33	22.00
10	QPSK	25	25	ANT0	21.32	21.26	21.27	22.00
10	QPSK	50	0	ANT0	21.31	21.19	21.32	22.00
10	16QAM	1	0	ANT0	21.38	21.47	21.38	22.00
10	16QAM	1	24	ANT0	21.41	21.49	21.46	22.00
10	16QAM	1	49	ANT0	21.30	21.35	21.35	22.00
10	16QAM	25	0	ANT0	20.32	20.27	20.28	21.00
10	16QAM	25	12	ANT0	20.41	20.22	20.37	21.00
10	16QAM	25	25	ANT0	20.32	20.27	20.28	21.00
10	16QAM	50	0	ANT0	20.37	20.23	20.33	21.00
10	64QAM	1	0	ANT0	20.48	20.57	20.46	21.00
10	64QAM	1	24	ANT0	20.41	20.54	20.64	21.00
10	64QAM	1	49	ANT0	20.37	20.29	20.42	21.00
10	64QAM	25	0	ANT0	19.26	19.30	19.22	20.00
10	64QAM	25	12	ANT0	19.37	19.27	19.36	20.00
10	64QAM	25	25	ANT0	19.32	19.27	19.30	20.00
10	64QAM	50	0	ANT0	19.34	19.25	19.33	20.00

Band				LTE Band13				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23205	23230	23255	Tune-up power(dBm)
5	QPSK	1	0	ANT0	22.40	22.34	22.33	23.00
5	QPSK	1	12	ANT0	22.40	22.38	22.36	23.00
5	QPSK	1	24	ANT0	22.30	22.34	22.30	23.00
5	QPSK	12	0	ANT0	21.31	21.31	21.28	22.00
5	QPSK	12	6	ANT0	21.38	21.33	21.31	22.00
5	QPSK	12	13	ANT0	21.35	21.38	21.35	22.00
5	QPSK	25	0	ANT0	21.37	21.31	21.29	22.00
5	16QAM	1	0	ANT0	21.53	21.47	21.54	22.00
5	16QAM	1	12	ANT0	21.56	21.52	21.47	22.00
5	16QAM	1	24	ANT0	21.51	21.43	21.43	22.00
5	16QAM	12	0	ANT0	20.44	20.35	20.37	21.00
5	16QAM	12	6	ANT0	20.53	20.39	20.36	21.00
5	16QAM	12	13	ANT0	20.48	20.41	20.41	21.00
5	16QAM	25	0	ANT0	20.40	20.31	20.28	21.00
5	64QAM	1	0	ANT0	20.50	20.47	20.41	21.00
5	64QAM	1	12	ANT0	20.65	20.54	20.44	21.00
5	64QAM	1	24	ANT0	20.45	20.45	20.46	21.00
5	64QAM	12	0	ANT0	19.35	19.35	19.32	20.00
5	64QAM	12	6	ANT0	19.46	19.39	19.34	20.00
5	64QAM	12	13	ANT0	19.37	19.42	19.41	20.00
5	64QAM	25	0	ANT0	19.40	19.30	19.35	20.00

Band				LTE Band13				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	/	23230	/	Tune-up power(dBm)
10	QPSK	1	0	ANT0	/	22.29	/	23.00
10	QPSK	1	24	ANT0	/	22.39	/	23.00
10	QPSK	1	49	ANT0	/	22.27	/	23.00
10	QPSK	25	0	ANT0	/	21.35	/	22.00
10	QPSK	25	12	ANT0	/	21.32	/	22.00
10	QPSK	25	25	ANT0	/	21.36	/	22.00
10	QPSK	50	0	ANT0	/	21.35	/	22.00
10	16QAM	1	0	ANT0	/	21.36	/	22.00
10	16QAM	1	24	ANT0	/	21.46	/	22.00
10	16QAM	1	49	ANT0	/	21.43	/	22.00
10	16QAM	25	0	ANT0	/	20.36	/	21.00
10	16QAM	25	12	ANT0	/	20.39	/	21.00
10	16QAM	25	25	ANT0	/	20.40	/	21.00
10	16QAM	50	0	ANT0	/	20.34	/	21.00
10	64QAM	1	0	ANT0	/	20.43	/	21.00
10	64QAM	1	24	ANT0	/	20.65	/	21.00
10	64QAM	1	49	ANT0	/	20.48	/	21.00
10	64QAM	25	0	ANT0	/	19.33	/	20.00
10	64QAM	25	12	ANT0	/	19.36	/	20.00
10	64QAM	25	25	ANT0	/	19.38	/	20.00
10	64QAM	50	0	ANT0	/	19.36	/	20.00

Band				LTE Band14				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23305	23330	23355	Tune-up power(dBm)
5	QPSK	1	0	ANT0	22.28	22.27	22.33	23.00
5	QPSK	1	12	ANT0	22.39	22.32	22.31	23.00
5	QPSK	1	24	ANT0	22.32	22.24	22.22	23.00
5	QPSK	12	0	ANT0	21.30	21.25	21.32	22.00
5	QPSK	12	6	ANT0	21.33	21.26	21.31	22.00
5	QPSK	12	13	ANT0	21.29	21.31	21.28	22.00
5	QPSK	25	0	ANT0	21.31	21.23	21.27	22.00
5	16QAM	1	0	ANT0	21.50	21.28	21.53	22.00
5	16QAM	1	12	ANT0	21.56	21.48	21.43	22.00
5	16QAM	1	24	ANT0	21.49	21.35	21.31	22.00
5	16QAM	12	0	ANT0	20.38	20.20	20.31	21.00
5	16QAM	12	6	ANT0	20.42	20.22	20.33	21.00
5	16QAM	12	13	ANT0	20.37	20.26	20.30	21.00
5	16QAM	25	0	ANT0	20.33	20.25	20.31	21.00
5	64QAM	1	0	ANT0	20.41	20.40	20.49	21.00
5	64QAM	1	12	ANT0	20.48	20.55	20.45	21.00
5	64QAM	1	24	ANT0	20.56	20.48	20.39	21.00
5	64QAM	12	0	ANT0	19.33	19.28	19.40	20.00
5	64QAM	12	6	ANT0	19.36	19.28	19.41	20.00
5	64QAM	12	13	ANT0	19.29	19.33	19.32	20.00
5	64QAM	25	0	ANT0	19.32	19.26	19.32	20.00

Band				LTE Band14				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	/	23330	/	Tune-up power(dBm)
10	QPSK	1	0	ANT0	/	22.30	/	23.00
10	QPSK	1	24	ANT0	/	22.32	/	23.00
10	QPSK	1	49	ANT0	/	22.17	/	23.00
10	QPSK	25	0	ANT0	/	21.28	/	22.00
10	QPSK	25	12	ANT0	/	21.30	/	22.00
10	QPSK	25	25	ANT0	/	21.31	/	22.00
10	QPSK	50	0	ANT0	/	21.27	/	22.00
10	16QAM	1	0	ANT0	/	21.34	/	22.00
10	16QAM	1	24	ANT0	/	21.50	/	22.00
10	16QAM	1	49	ANT0	/	21.27	/	22.00
10	16QAM	25	0	ANT0	/	20.29	/	21.00
10	16QAM	25	12	ANT0	/	20.31	/	21.00
10	16QAM	25	25	ANT0	/	20.33	/	21.00
10	16QAM	50	0	ANT0	/	20.25	/	21.00
10	64QAM	1	0	ANT0	/	20.36	/	21.00
10	64QAM	1	24	ANT0	/	20.46	/	21.00
10	64QAM	1	49	ANT0	/	20.27	/	21.00
10	64QAM	25	0	ANT0	/	19.28	/	20.00
10	64QAM	25	12	ANT0	/	19.28	/	20.00
10	64QAM	25	25	ANT0	/	19.32	/	20.00
10	64QAM	50	0	ANT0	/	19.25	/	20.00

Band				LTE Band17				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23755	23790	23825	Tune-up power(dBm)
5	QPSK	1	0	ANT0	22.22	22.20	22.23	23.00
5	QPSK	1	12	ANT0	22.27	22.29	22.27	23.00
5	QPSK	1	24	ANT0	22.19	22.18	22.18	23.00
5	QPSK	12	0	ANT0	21.23	21.26	21.29	22.00
5	QPSK	12	6	ANT0	21.30	21.25	21.26	22.00
5	QPSK	12	13	ANT0	21.25	21.19	21.29	22.00
5	QPSK	25	0	ANT0	21.29	21.21	21.30	22.00
5	16QAM	1	0	ANT0	21.29	21.33	21.47	22.00
5	16QAM	1	12	ANT0	21.46	21.39	21.42	22.00
5	16QAM	1	24	ANT0	21.32	21.23	21.44	22.00
5	16QAM	12	0	ANT0	20.26	20.28	20.29	21.00
5	16QAM	12	6	ANT0	20.34	20.33	20.34	21.00
5	16QAM	12	13	ANT0	20.33	20.25	20.28	21.00
5	16QAM	25	0	ANT0	20.32	20.27	20.30	21.00
5	64QAM	1	0	ANT0	20.32	20.34	20.20	21.00
5	64QAM	1	12	ANT0	20.39	20.44	20.28	21.00
5	64QAM	1	24	ANT0	20.39	20.32	20.18	21.00
5	64QAM	12	0	ANT0	19.28	19.28	19.31	20.00
5	64QAM	12	6	ANT0	19.34	19.27	19.34	20.00
5	64QAM	12	13	ANT0	19.32	19.24	19.28	20.00
5	64QAM	25	0	ANT0	19.32	19.23	19.29	20.00

Band				LTE Band17				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23780	23790	23800	Tune-up power(dBm)
10	QPSK	1	0	ANT0	22.25	22.20	22.28	23.00
10	QPSK	1	24	ANT0	22.28	22.33	22.35	23.00
10	QPSK	1	49	ANT0	22.18	22.17	22.18	23.00
10	QPSK	25	0	ANT0	21.25	21.26	21.27	22.00
10	QPSK	25	12	ANT0	21.34	21.25	21.28	22.00
10	QPSK	25	25	ANT0	21.30	21.21	21.22	22.00
10	QPSK	50	0	ANT0	21.26	21.24	21.27	22.00
10	16QAM	1	0	ANT0	21.35	21.34	21.45	22.00
10	16QAM	1	24	ANT0	21.44	21.47	21.46	22.00
10	16QAM	1	49	ANT0	21.33	21.33	21.28	22.00
10	16QAM	25	0	ANT0	20.31	20.30	20.28	21.00
10	16QAM	25	12	ANT0	20.37	20.28	20.28	21.00
10	16QAM	25	25	ANT0	20.30	20.26	20.24	21.00
10	16QAM	50	0	ANT0	20.20	20.28	20.24	21.00
10	64QAM	1	0	ANT0	20.46	20.43	20.53	21.00
10	64QAM	1	24	ANT0	20.52	20.49	20.58	21.00
10	64QAM	1	49	ANT0	20.28	20.28	20.43	21.00
10	64QAM	25	0	ANT0	19.28	19.28	19.29	20.00
10	64QAM	25	12	ANT0	19.37	19.25	19.30	20.00
10	64QAM	25	25	ANT0	19.33	19.25	19.24	20.00
10	64QAM	50	0	ANT0	19.29	19.26	19.28	20.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26047	26365	26683	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	20.98	20.83	21.21	22.00
1.4	QPSK	1	2	ANT0	20.99	20.84	21.22	22.00
1.4	QPSK	1	5	ANT0	20.95	20.83	21.25	22.00
1.4	QPSK	3	0	ANT0	20.99	20.86	21.18	22.00
1.4	QPSK	3	1	ANT0	20.99	20.85	21.23	22.00
1.4	QPSK	3	3	ANT0	21.00	20.82	21.23	22.00
1.4	QPSK	6	0	ANT0	20.05	19.85	20.22	21.00
1.4	16QAM	1	0	ANT0	20.02	20.01	20.35	21.00
1.4	16QAM	1	2	ANT0	20.04	19.96	20.42	21.00
1.4	16QAM	1	5	ANT0	20.06	19.97	20.41	21.00
1.4	16QAM	3	0	ANT0	20.07	19.89	20.32	21.00
1.4	16QAM	3	1	ANT0	20.12	19.91	20.26	21.00
1.4	16QAM	3	3	ANT0	20.05	19.89	20.23	21.00
1.4	16QAM	6	0	ANT0	19.05	18.92	19.24	20.00
1.4	64QAM	1	0	ANT0	19.12	18.98	19.44	20.00
1.4	64QAM	1	2	ANT0	19.08	19.02	19.42	20.00
1.4	64QAM	1	5	ANT0	19.10	19.12	19.46	20.00
1.4	64QAM	3	0	ANT0	19.10	18.89	19.26	20.00
1.4	64QAM	3	1	ANT0	19.10	18.88	19.24	20.00
1.4	64QAM	3	3	ANT0	19.09	18.91	19.22	20.00
1.4	64QAM	6	0	ANT0	18.00	17.91	18.16	19.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26055	26365	26675	Tune-up power(dBm)
3	QPSK	1	0	ANT0	20.93	20.86	21.16	22.00
3	QPSK	1	7	ANT0	21.02	20.91	21.26	22.00
3	QPSK	1	14	ANT0	20.93	20.84	21.21	22.00
3	QPSK	8	0	ANT0	20.02	19.91	20.24	21.00
3	QPSK	8	3	ANT0	20.05	19.93	20.27	21.00
3	QPSK	8	7	ANT0	20.02	19.88	20.25	21.00
3	QPSK	15	0	ANT0	20.02	19.88	20.27	21.00
3	16QAM	1	0	ANT0	19.97	20.06	20.29	21.00
3	16QAM	1	7	ANT0	20.12	20.16	20.33	21.00
3	16QAM	1	14	ANT0	20.05	19.99	20.25	21.00
3	16QAM	8	0	ANT0	19.05	18.90	19.21	20.00
3	16QAM	8	3	ANT0	19.10	18.89	19.35	20.00
3	16QAM	8	7	ANT0	19.07	18.86	19.23	20.00
3	16QAM	15	0	ANT0	19.09	18.91	19.29	20.00
3	64QAM	1	0	ANT0	19.02	18.97	19.47	20.00
3	64QAM	1	7	ANT0	19.13	19.10	19.57	20.00
3	64QAM	1	14	ANT0	19.07	19.00	19.49	20.00
3	64QAM	8	0	ANT0	18.16	17.80	18.18	19.00
3	64QAM	8	3	ANT0	18.19	17.88	18.24	19.00
3	64QAM	8	7	ANT0	18.17	17.83	18.23	19.00
3	64QAM	15	0	ANT0	18.05	17.90	18.30	19.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26065	26365	26665	Tune-up power(dBm)
5	QPSK	1	0	ANT0	20.98	20.82	21.17	22.00
5	QPSK	1	12	ANT0	21.06	20.93	21.26	22.00
5	QPSK	1	24	ANT0	21.02	20.89	21.22	22.00
5	QPSK	12	0	ANT0	20.02	19.88	20.26	21.00
5	QPSK	12	6	ANT0	20.05	19.93	20.30	21.00
5	QPSK	12	13	ANT0	20.02	19.93	20.28	21.00
5	QPSK	25	0	ANT0	20.04	19.89	20.24	21.00
5	16QAM	1	0	ANT0	20.18	19.99	20.35	21.00
5	16QAM	1	12	ANT0	20.18	20.07	20.40	21.00
5	16QAM	1	24	ANT0	20.14	20.03	20.47	21.00
5	16QAM	12	0	ANT0	18.93	18.93	19.27	20.00
5	16QAM	12	6	ANT0	18.94	18.98	19.31	20.00
5	16QAM	12	13	ANT0	18.93	18.97	19.30	20.00
5	16QAM	25	0	ANT0	19.05	18.93	19.23	20.00
5	64QAM	1	0	ANT0	19.11	19.01	19.21	20.00
5	64QAM	1	12	ANT0	19.22	19.17	19.27	20.00
5	64QAM	1	24	ANT0	19.07	19.08	19.28	20.00
5	64QAM	12	0	ANT0	18.08	17.92	18.19	19.00
5	64QAM	12	6	ANT0	18.11	17.93	18.29	19.00
5	64QAM	12	13	ANT0	18.10	17.95	18.23	19.00
5	64QAM	25	0	ANT0	18.07	17.92	18.25	19.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26090	26365	26640	Tune-up power(dBm)
10	QPSK	1	0	ANT0	20.98	20.88	21.11	22.00
10	QPSK	1	24	ANT0	21.05	20.92	21.19	22.00
10	QPSK	1	49	ANT0	20.94	20.87	21.20	22.00
10	QPSK	25	0	ANT0	20.07	19.90	20.10	21.00
10	QPSK	25	12	ANT0	20.03	19.93	20.14	21.00
10	QPSK	25	25	ANT0	20.01	19.95	20.23	21.00
10	QPSK	50	0	ANT0	20.01	19.91	20.12	21.00
10	16QAM	1	0	ANT0	20.04	19.98	20.27	21.00
10	16QAM	1	24	ANT0	20.11	20.08	20.26	21.00
10	16QAM	1	49	ANT0	20.18	19.98	20.39	21.00
10	16QAM	25	0	ANT0	19.07	18.89	19.12	20.00
10	16QAM	25	12	ANT0	19.03	18.96	19.16	20.00
10	16QAM	25	25	ANT0	19.00	18.99	19.26	20.00
10	16QAM	50	0	ANT0	18.97	18.93	19.12	20.00
10	64QAM	1	0	ANT0	19.16	19.06	19.44	20.00
10	64QAM	1	24	ANT0	19.20	19.11	19.47	20.00
10	64QAM	1	49	ANT0	19.20	19.14	19.47	20.00
10	64QAM	25	0	ANT0	18.05	17.91	18.14	19.00
10	64QAM	25	12	ANT0	18.06	17.95	18.17	19.00
10	64QAM	25	25	ANT0	18.00	17.96	18.23	19.00
10	64QAM	50	0	ANT0	18.04	17.94	18.14	19.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26115	26365	26615	Tune-up power(dBm)
15	QPSK	1	0	ANT0	20.81	20.66	20.90	22.00
15	QPSK	1	37	ANT0	20.83	20.69	20.88	22.00
15	QPSK	1	74	ANT0	20.84	20.74	20.93	22.00
15	QPSK	36	0	ANT0	19.92	19.77	19.98	21.00
15	QPSK	36	19	ANT0	19.85	19.72	19.92	21.00
15	QPSK	36	39	ANT0	19.84	19.81	20.04	21.00
15	QPSK	75	0	ANT0	19.84	19.76	19.99	21.00
15	16QAM	1	0	ANT0	19.92	19.80	20.10	21.00
15	16QAM	1	37	ANT0	20.01	19.82	20.16	21.00
15	16QAM	1	74	ANT0	20.01	19.77	19.98	21.00
15	16QAM	36	0	ANT0	18.89	18.75	18.98	20.00
15	16QAM	36	19	ANT0	18.81	18.74	18.97	20.00
15	16QAM	36	39	ANT0	18.87	18.80	19.04	20.00
15	16QAM	75	0	ANT0	18.84	18.76	19.02	20.00
15	64QAM	1	0	ANT0	18.88	18.85	19.03	20.00
15	64QAM	1	37	ANT0	19.04	18.90	19.02	20.00
15	64QAM	1	74	ANT0	18.96	18.84	19.03	20.00
15	64QAM	36	0	ANT0	17.89	17.74	17.95	19.00
15	64QAM	36	19	ANT0	17.81	17.74	17.93	19.00
15	64QAM	36	39	ANT0	17.85	17.78	18.06	19.00
15	64QAM	75	0	ANT0	17.84	17.80	18.01	19.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26140	26365	26590	Tune-up power(dBm)
20	QPSK	1	0	ANT0	20.80	20.72	20.94	22.00
20	QPSK	1	49	ANT0	20.82	20.62	20.92	22.00
20	QPSK	1	99	ANT0	20.69	20.71	20.96	22.00
20	QPSK	50	0	ANT0	19.86	19.74	20.01	21.00
20	QPSK	50	25	ANT0	19.91	19.75	20.04	21.00
20	QPSK	50	50	ANT0	19.80	19.77	20.02	21.00
20	QPSK	100	0	ANT0	19.88	19.77	19.97	21.00
20	16QAM	1	0	ANT0	19.88	19.69	20.15	21.00
20	16QAM	1	49	ANT0	19.95	19.71	20.07	21.00
20	16QAM	1	99	ANT0	19.89	19.77	20.21	21.00
20	16QAM	50	0	ANT0	18.91	18.74	18.97	20.00
20	16QAM	50	25	ANT0	18.93	18.78	19.03	20.00
20	16QAM	50	50	ANT0	18.81	18.82	19.07	20.00
20	16QAM	100	0	ANT0	18.90	18.81	18.97	20.00
20	64QAM	1	0	ANT0	19.03	18.88	19.09	20.00
20	64QAM	1	49	ANT0	19.07	18.91	19.13	20.00
20	64QAM	1	99	ANT0	18.83	18.90	19.24	20.00
20	64QAM	50	0	ANT0	17.85	17.76	17.96	19.00
20	64QAM	50	25	ANT0	17.91	17.81	18.06	19.00
20	64QAM	50	50	ANT0	17.77	17.83	18.02	19.00
20	64QAM	100	0	ANT0	17.92	17.82	18.00	19.00

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26697	26865	27033	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	22.17	22.26	22.07	23.50
1.4	QPSK	1	2	ANT0	22.20	22.29	22.13	23.50
1.4	QPSK	1	5	ANT0	22.17	22.25	22.07	23.50
1.4	QPSK	3	0	ANT0	22.23	22.28	22.11	23.50
1.4	QPSK	3	1	ANT0	22.23	22.29	22.11	23.50
1.4	QPSK	3	3	ANT0	22.21	22.30	22.07	23.50
1.4	QPSK	6	0	ANT0	21.18	21.26	21.10	22.50
1.4	16QAM	1	0	ANT0	21.32	21.44	21.31	22.50
1.4	16QAM	1	2	ANT0	21.27	21.46	21.26	22.50
1.4	16QAM	1	5	ANT0	21.32	21.37	21.22	22.50
1.4	16QAM	3	0	ANT0	21.32	21.30	21.25	22.50
1.4	16QAM	3	1	ANT0	21.38	21.37	21.16	22.50
1.4	16QAM	3	3	ANT0	21.28	21.31	21.16	22.50
1.4	16QAM	6	0	ANT0	20.33	20.32	19.99	21.50
1.4	64QAM	1	0	ANT0	20.43	20.46	20.34	21.50
1.4	64QAM	1	2	ANT0	20.52	20.57	20.37	21.50
1.4	64QAM	1	5	ANT0	20.32	20.46	20.29	21.50
1.4	64QAM	3	0	ANT0	20.27	20.37	20.16	21.50
1.4	64QAM	3	1	ANT0	20.30	20.35	20.19	21.50
1.4	64QAM	3	3	ANT0	20.30	20.34	20.18	21.50
1.4	64QAM	6	0	ANT0	19.22	19.28	19.07	20.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26705	26865	27025	Tune-up power(dBm)
3	QPSK	1	0	ANT0	22.19	22.24	22.20	23.50
3	QPSK	1	7	ANT0	22.28	22.28	22.22	23.50
3	QPSK	1	14	ANT0	22.20	22.25	22.07	23.50
3	QPSK	8	0	ANT0	21.18	21.20	21.20	22.50
3	QPSK	8	3	ANT0	21.26	21.30	21.20	22.50
3	QPSK	8	7	ANT0	21.28	21.29	21.14	22.50
3	QPSK	15	0	ANT0	21.25	21.29	21.18	22.50
3	16QAM	1	0	ANT0	21.28	21.31	21.26	22.50
3	16QAM	1	7	ANT0	21.40	21.43	21.24	22.50
3	16QAM	1	14	ANT0	21.36	21.44	21.16	22.50
3	16QAM	8	0	ANT0	20.19	20.26	20.21	21.50
3	16QAM	8	3	ANT0	20.31	20.33	20.26	21.50
3	16QAM	8	7	ANT0	20.27	20.37	20.16	21.50
3	16QAM	15	0	ANT0	20.28	20.32	20.14	21.50
3	64QAM	1	0	ANT0	20.42	20.42	20.36	21.50
3	64QAM	1	7	ANT0	20.38	20.66	20.28	21.50
3	64QAM	1	14	ANT0	20.32	20.46	20.16	21.50
3	64QAM	8	0	ANT0	19.11	19.24	19.26	20.50
3	64QAM	8	3	ANT0	19.24	19.32	19.25	20.50
3	64QAM	8	7	ANT0	19.19	19.32	19.21	20.50
3	64QAM	15	0	ANT0	19.29	19.31	19.18	20.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26715	26865	27015	Tune-up power(dBm)
5	QPSK	1	0	ANT0	22.27	22.27	22.22	23.50
5	QPSK	1	12	ANT0	22.31	22.31	22.22	23.50
5	QPSK	1	24	ANT0	22.23	22.25	22.07	23.50
5	QPSK	12	0	ANT0	21.18	21.19	21.20	22.50
5	QPSK	12	6	ANT0	21.26	21.31	21.21	22.50
5	QPSK	12	13	ANT0	21.26	21.33	21.15	22.50
5	QPSK	25	0	ANT0	21.30	21.28	21.23	22.50
5	16QAM	1	0	ANT0	21.38	21.39	21.47	22.50
5	16QAM	1	12	ANT0	21.48	21.53	21.45	22.50
5	16QAM	1	24	ANT0	21.46	21.42	21.34	22.50
5	16QAM	12	0	ANT0	20.23	20.22	20.14	21.50
5	16QAM	12	6	ANT0	20.38	20.32	20.14	21.50
5	16QAM	12	13	ANT0	20.28	20.30	20.04	21.50
5	16QAM	25	0	ANT0	20.28	20.31	20.20	21.50
5	64QAM	1	0	ANT0	20.53	20.53	20.29	21.50
5	64QAM	1	12	ANT0	20.58	20.50	20.34	21.50
5	64QAM	1	24	ANT0	20.50	20.51	20.16	21.50
5	64QAM	12	0	ANT0	19.21	19.25	19.19	20.50
5	64QAM	12	6	ANT0	19.32	19.37	19.27	20.50
5	64QAM	12	13	ANT0	19.31	19.32	19.23	20.50
5	64QAM	25	0	ANT0	19.26	19.32	19.19	20.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26740	26865	26990	Tune-up power(dBm)
10	QPSK	1	0	ANT0	22.23	22.31	22.31	23.50
10	QPSK	1	24	ANT0	22.27	22.32	22.32	23.50
10	QPSK	1	49	ANT0	22.21	22.26	22.11	23.50
10	QPSK	25	0	ANT0	21.20	21.26	21.26	22.50
10	QPSK	25	12	ANT0	21.30	21.34	21.23	22.50
10	QPSK	25	25	ANT0	21.28	21.27	21.24	22.50
10	QPSK	50	0	ANT0	21.32	21.33	21.20	22.50
10	16QAM	1	0	ANT0	21.23	21.47	21.48	22.50
10	16QAM	1	24	ANT0	21.42	21.57	21.43	22.50
10	16QAM	1	49	ANT0	21.41	21.40	21.31	22.50
10	16QAM	25	0	ANT0	20.23	20.23	20.26	21.50
10	16QAM	25	12	ANT0	20.36	20.34	20.26	21.50
10	16QAM	25	25	ANT0	20.32	20.35	20.23	21.50
10	16QAM	50	0	ANT0	20.30	20.31	20.22	21.50
10	64QAM	1	0	ANT0	20.48	20.56	20.53	21.50
10	64QAM	1	24	ANT0	20.44	20.58	20.51	21.50
10	64QAM	1	49	ANT0	20.28	20.51	20.36	21.50
10	64QAM	25	0	ANT0	19.20	19.29	19.23	20.50
10	64QAM	25	12	ANT0	19.33	19.35	19.25	20.50
10	64QAM	25	25	ANT0	19.33	19.34	19.27	20.50
10	64QAM	50	0	ANT0	19.33	19.34	19.20	20.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26765	26865	26965	Tune-up power(dBm)
15	QPSK	1	0	ANT0	22.01	22.06	22.03	23.50
15	QPSK	1	37	ANT0	22.12	22.04	22.02	23.50
15	QPSK	1	74	ANT0	21.93	21.92	21.77	23.50
15	QPSK	36	0	ANT0	21.07	21.12	21.08	22.50
15	QPSK	36	19	ANT0	21.09	21.15	21.17	22.50
15	QPSK	36	39	ANT0	21.16	21.13	21.09	22.50
15	QPSK	75	0	ANT0	21.11	21.17	21.06	22.50
15	16QAM	1	0	ANT0	21.05	21.09	21.27	22.50
15	16QAM	1	37	ANT0	21.28	21.08	21.11	22.50
15	16QAM	1	74	ANT0	21.02	20.98	20.82	22.50
15	16QAM	36	0	ANT0	20.08	20.12	20.09	21.50
15	16QAM	36	19	ANT0	20.06	20.18	20.18	21.50
15	16QAM	36	39	ANT0	20.16	20.16	20.08	21.50
15	16QAM	75	0	ANT0	20.08	20.20	20.07	21.50
15	64QAM	1	0	ANT0	20.02	20.28	20.35	21.50
15	64QAM	1	37	ANT0	20.21	20.50	20.31	21.50
15	64QAM	1	74	ANT0	20.16	20.33	20.17	21.50
15	64QAM	36	0	ANT0	19.10	19.12	19.13	20.50
15	64QAM	36	19	ANT0	19.07	19.19	19.15	20.50
15	64QAM	36	39	ANT0	19.16	19.15	19.15	20.50
15	64QAM	75	0	ANT0	19.11	19.16	19.08	20.50

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	21.27	21.24	20.94	22.00
1.4	QPSK	1	2	ANT0	21.27	21.28	20.93	22.00
1.4	QPSK	1	5	ANT0	21.26	21.27	20.81	22.00
1.4	QPSK	3	0	ANT0	21.27	21.24	20.87	22.00
1.4	QPSK	3	1	ANT0	21.28	21.25	20.89	22.00
1.4	QPSK	3	3	ANT0	21.31	21.26	20.87	22.00
1.4	QPSK	6	0	ANT0	20.27	20.26	19.89	21.00
1.4	16QAM	1	0	ANT0	20.39	20.41	19.99	21.00
1.4	16QAM	1	2	ANT0	20.48	20.51	19.98	21.00
1.4	16QAM	1	5	ANT0	20.35	20.36	20.07	21.00
1.4	16QAM	3	0	ANT0	20.43	20.31	20.04	21.00
1.4	16QAM	3	1	ANT0	20.35	20.26	20.01	21.00
1.4	16QAM	3	3	ANT0	20.35	20.29	20.02	21.00
1.4	16QAM	6	0	ANT0	19.14	19.34	18.84	20.00
1.4	64QAM	1	0	ANT0	19.32	19.38	19.14	20.00
1.4	64QAM	1	2	ANT0	19.37	19.45	19.14	20.00
1.4	64QAM	1	5	ANT0	19.32	19.40	19.12	20.00
1.4	64QAM	3	0	ANT0	19.36	19.37	18.93	20.00
1.4	64QAM	3	1	ANT0	19.37	19.34	18.94	20.00
1.4	64QAM	3	3	ANT0	19.39	19.30	18.89	20.00
1.4	64QAM	6	0	ANT0	18.19	18.37	17.96	19.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT0	21.24	21.29	21.02	22.00
3	QPSK	1	7	ANT0	21.29	21.32	21.00	22.00
3	QPSK	1	14	ANT0	21.18	21.28	20.85	22.00
3	QPSK	8	0	ANT0	20.28	20.35	20.02	21.00
3	QPSK	8	3	ANT0	20.36	20.36	20.03	21.00
3	QPSK	8	7	ANT0	20.29	20.37	19.95	21.00
3	QPSK	15	0	ANT0	20.32	20.36	20.01	21.00
3	16QAM	1	0	ANT0	20.47	20.36	20.05	21.00
3	16QAM	1	7	ANT0	20.39	20.59	20.14	21.00
3	16QAM	1	14	ANT0	20.40	20.41	20.02	21.00
3	16QAM	8	0	ANT0	19.40	19.39	19.07	20.00
3	16QAM	8	3	ANT0	19.36	19.50	19.04	20.00
3	16QAM	8	7	ANT0	19.31	19.40	19.05	20.00
3	16QAM	15	0	ANT0	19.31	19.29	19.06	20.00
3	64QAM	1	0	ANT0	19.43	19.47	19.31	20.00
3	64QAM	1	7	ANT0	19.39	19.57	19.27	20.00
3	64QAM	1	14	ANT0	19.29	19.33	19.16	20.00
3	64QAM	8	0	ANT0	18.33	18.37	18.12	19.00
3	64QAM	8	3	ANT0	18.33	18.42	18.13	19.00
3	64QAM	8	7	ANT0	18.35	18.41	18.07	19.00
3	64QAM	15	0	ANT0	18.32	18.36	18.01	19.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT0	21.34	21.22	21.08	22.00
5	QPSK	1	12	ANT0	21.38	21.33	21.06	22.00
5	QPSK	1	24	ANT0	21.29	21.32	20.84	22.00
5	QPSK	12	0	ANT0	20.31	20.30	20.11	21.00
5	QPSK	12	6	ANT0	20.32	20.36	20.08	21.00
5	QPSK	12	13	ANT0	20.33	20.35	20.00	21.00
5	QPSK	25	0	ANT0	20.32	20.33	20.06	21.00
5	16QAM	1	0	ANT0	20.31	20.24	20.23	21.00
5	16QAM	1	12	ANT0	20.43	20.31	20.31	21.00
5	16QAM	1	24	ANT0	20.33	20.46	20.09	21.00
5	16QAM	12	0	ANT0	19.27	19.27	19.07	20.00
5	16QAM	12	6	ANT0	19.30	19.31	19.05	20.00
5	16QAM	12	13	ANT0	19.29	19.33	18.97	20.00
5	16QAM	25	0	ANT0	19.35	19.33	19.06	20.00
5	64QAM	1	0	ANT0	19.40	19.45	19.21	20.00
5	64QAM	1	12	ANT0	19.43	19.57	19.01	20.00
5	64QAM	1	24	ANT0	19.39	19.52	18.98	20.00
5	64QAM	12	0	ANT0	18.33	18.34	18.18	19.00
5	64QAM	12	6	ANT0	18.35	18.39	18.18	19.00
5	64QAM	12	13	ANT0	18.36	18.41	18.03	19.00
5	64QAM	25	0	ANT0	18.30	18.35	18.02	19.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT0	21.33	21.28	21.24	22.00
10	QPSK	1	24	ANT0	21.33	21.34	21.17	22.00
10	QPSK	1	49	ANT0	21.21	21.34	20.89	22.00
10	QPSK	25	0	ANT0	20.36	20.33	20.18	21.00
10	QPSK	25	12	ANT0	20.30	20.36	20.10	21.00
10	QPSK	25	25	ANT0	20.28	20.39	20.08	21.00
10	QPSK	50	0	ANT0	20.28	20.33	20.10	21.00
10	16QAM	1	0	ANT0	20.41	20.46	20.42	21.00
10	16QAM	1	24	ANT0	20.41	20.38	20.30	21.00
10	16QAM	1	49	ANT0	20.37	20.38	20.03	21.00
10	16QAM	25	0	ANT0	19.35	19.36	19.22	20.00
10	16QAM	25	12	ANT0	19.30	19.40	19.12	20.00
10	16QAM	25	25	ANT0	19.30	19.41	19.08	20.00
10	16QAM	50	0	ANT0	19.27	19.33	19.08	20.00
10	64QAM	1	0	ANT0	19.48	19.56	19.51	20.00
10	64QAM	1	24	ANT0	19.48	19.62	19.42	20.00
10	64QAM	1	49	ANT0	19.30	19.49	19.04	20.00
10	64QAM	25	0	ANT0	18.36	18.29	18.21	19.00
10	64QAM	25	12	ANT0	18.31	18.40	18.14	19.00
10	64QAM	25	25	ANT0	18.26	18.42	18.10	19.00
10	64QAM	50	0	ANT0	18.28	18.38	18.09	19.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT0	21.13	21.18	21.22	22.00
15	QPSK	1	37	ANT0	21.10	21.08	21.00	22.00
15	QPSK	1	74	ANT0	21.03	21.24	20.61	22.00
15	QPSK	36	0	ANT0	20.16	20.19	20.15	21.00
15	QPSK	36	19	ANT0	20.15	20.18	20.05	21.00
15	QPSK	36	39	ANT0	20.06	20.27	19.97	21.00
15	QPSK	75	0	ANT0	20.09	20.20	20.07	21.00
15	16QAM	1	0	ANT0	20.19	20.28	20.21	21.00
15	16QAM	1	37	ANT0	20.14	20.24	20.24	21.00
15	16QAM	1	74	ANT0	20.20	20.30	19.71	21.00
15	16QAM	36	0	ANT0	19.13	19.19	19.20	20.00
15	16QAM	36	19	ANT0	19.19	19.19	19.04	20.00
15	16QAM	36	39	ANT0	19.06	19.26	18.97	20.00
15	16QAM	75	0	ANT0	19.11	19.19	19.03	20.00
15	64QAM	1	0	ANT0	19.18	19.28	19.44	20.00
15	64QAM	1	37	ANT0	19.22	19.27	19.11	20.00
15	64QAM	1	74	ANT0	19.13	19.39	18.87	20.00
15	64QAM	36	0	ANT0	18.15	18.20	18.22	19.00
15	64QAM	36	19	ANT0	18.11	18.17	18.04	19.00
15	64QAM	36	39	ANT0	18.05	18.26	18.02	19.00
15	64QAM	75	0	ANT0	18.08	18.19	18.08	19.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT0	21.20	21.06	21.28	22.00
20	QPSK	1	49	ANT0	21.04	21.07	21.07	22.00
20	QPSK	1	99	ANT0	21.09	21.29	20.61	22.00
20	QPSK	50	0	ANT0	20.14	20.18	20.23	21.00
20	QPSK	50	25	ANT0	20.14	20.18	20.18	21.00
20	QPSK	50	50	ANT0	20.06	20.23	19.98	21.00
20	QPSK	100	0	ANT0	20.08	20.19	20.10	21.00
20	16QAM	1	0	ANT0	20.26	20.18	20.50	21.00
20	16QAM	1	49	ANT0	20.16	20.14	20.26	21.00
20	16QAM	1	99	ANT0	20.11	20.35	19.83	21.00
20	16QAM	50	0	ANT0	19.15	19.20	19.26	20.00
20	16QAM	50	25	ANT0	19.14	19.20	19.18	20.00
20	16QAM	50	50	ANT0	19.08	19.26	19.01	20.00
20	16QAM	100	0	ANT0	19.07	19.20	19.11	20.00
20	64QAM	1	0	ANT0	19.39	19.11	19.44	20.00
20	64QAM	1	49	ANT0	19.30	19.13	19.27	20.00
20	64QAM	1	99	ANT0	19.37	19.39	18.80	20.00
20	64QAM	50	0	ANT0	18.16	18.17	18.22	19.00
20	64QAM	50	25	ANT0	18.11	18.19	18.16	19.00
20	64QAM	50	50	ANT0	18.04	18.28	18.03	19.00
20	64QAM	100	0	ANT0	18.06	18.22	18.08	19.00

Band				LTE Band71				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	133147	133297	133447	Tune-up power(dBm)
5	QPSK	1	0	ANT0	22.17	22.01	21.94	23.00
5	QPSK	1	12	ANT0	22.18	22.04	22.04	23.00
5	QPSK	1	24	ANT0	22.08	21.96	21.99	23.00
5	QPSK	12	0	ANT0	21.19	21.00	20.98	22.00
5	QPSK	12	6	ANT0	21.23	21.00	21.02	22.00
5	QPSK	12	13	ANT0	21.15	21.05	21.05	22.00
5	QPSK	25	0	ANT0	21.21	20.97	21.00	22.00
5	16QAM	1	0	ANT0	21.18	21.22	21.17	22.00
5	16QAM	1	12	ANT0	21.22	21.21	21.29	22.00
5	16QAM	1	24	ANT0	21.09	21.06	21.16	22.00
5	16QAM	12	0	ANT0	20.07	20.07	19.91	21.00
5	16QAM	12	6	ANT0	20.08	20.06	19.93	21.00
5	16QAM	12	13	ANT0	20.01	20.10	19.97	21.00
5	16QAM	25	0	ANT0	20.11	20.02	19.99	21.00
5	64QAM	1	0	ANT0	20.39	20.12	20.03	21.00
5	64QAM	1	12	ANT0	20.43	20.19	20.17	21.00
5	64QAM	1	24	ANT0	20.29	20.06	20.10	21.00
5	64QAM	12	0	ANT0	19.21	19.00	19.02	20.00
5	64QAM	12	6	ANT0	19.22	19.08	19.05	20.00
5	64QAM	12	13	ANT0	19.16	19.07	19.07	20.00
5	64QAM	25	0	ANT0	19.13	19.03	18.97	20.00

Band				LTE Band71				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	133172	133297	133422	Tune-up power(dBm)
10	QPSK	1	0	ANT0	22.06	22.05	22.00	23.00
10	QPSK	1	24	ANT0	22.04	22.01	22.00	23.00
10	QPSK	1	49	ANT0	21.89	21.92	21.96	23.00
10	QPSK	25	0	ANT0	21.09	21.01	20.98	22.00
10	QPSK	25	12	ANT0	21.10	20.97	21.00	22.00
10	QPSK	25	25	ANT0	21.05	20.98	21.05	22.00
10	QPSK	50	0	ANT0	21.09	20.99	20.96	22.00
10	16QAM	1	0	ANT0	21.21	21.13	21.17	22.00
10	16QAM	1	24	ANT0	21.16	21.16	21.12	22.00
10	16QAM	1	49	ANT0	21.08	20.97	21.09	22.00
10	16QAM	25	0	ANT0	20.13	20.02	19.98	21.00
10	16QAM	25	12	ANT0	20.11	19.99	19.98	21.00
10	16QAM	25	25	ANT0	20.02	19.99	20.06	21.00
10	16QAM	50	0	ANT0	20.05	19.97	20.05	21.00
10	64QAM	1	0	ANT0	20.26	20.18	20.42	21.00
10	64QAM	1	24	ANT0	20.32	20.16	20.27	21.00
10	64QAM	1	49	ANT0	20.11	20.06	20.25	21.00
10	64QAM	25	0	ANT0	19.12	19.08	19.01	20.00
10	64QAM	25	12	ANT0	19.09	18.99	18.99	20.00
10	64QAM	25	25	ANT0	19.03	18.97	19.07	20.00
10	64QAM	50	0	ANT0	19.10	18.99	19.01	20.00

Band				LTE Band71				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	133197	133297	133397	Tune-up power(dBm)
15	QPSK	1	0	ANT0	21.88	21.85	21.81	23.00
15	QPSK	1	37	ANT0	21.83	21.74	21.78	23.00
15	QPSK	1	74	ANT0	21.60	21.66	21.74	23.00
15	QPSK	36	0	ANT0	20.87	20.85	20.77	22.00
15	QPSK	36	19	ANT0	20.87	20.79	20.79	22.00
15	QPSK	36	39	ANT0	20.79	20.78	20.85	22.00
15	QPSK	75	0	ANT0	20.90	20.79	20.80	22.00
15	16QAM	1	0	ANT0	20.97	20.97	21.03	22.00
15	16QAM	1	37	ANT0	20.86	21.00	20.98	22.00
15	16QAM	1	74	ANT0	20.76	20.82	20.88	22.00
15	16QAM	36	0	ANT0	19.90	19.86	19.84	21.00
15	16QAM	36	19	ANT0	19.86	19.78	19.79	21.00
15	16QAM	36	39	ANT0	19.81	19.78	19.85	21.00
15	16QAM	75	0	ANT0	19.94	19.81	19.82	21.00
15	64QAM	1	0	ANT0	19.92	20.13	20.07	21.00
15	64QAM	1	37	ANT0	19.81	20.06	20.02	21.00
15	64QAM	1	74	ANT0	19.75	19.89	20.03	21.00
15	64QAM	36	0	ANT0	18.85	18.83	18.81	20.00
15	64QAM	36	19	ANT0	18.87	18.74	18.83	20.00
15	64QAM	36	39	ANT0	18.81	18.79	18.82	20.00
15	64QAM	75	0	ANT0	18.87	18.81	18.86	20.00

Band				LTE Band71				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	133222	133322	133372	Tune-up power(dBm)
20	QPSK	1	0	ANT0	21.99	21.87	21.80	23.00
20	QPSK	1	49	ANT0	21.84	21.73	21.78	23.00
20	QPSK	1	99	ANT0	21.65	21.70	21.75	23.00
20	QPSK	50	0	ANT0	20.94	20.90	20.82	22.00
20	QPSK	50	25	ANT0	20.93	20.78	20.76	22.00
20	QPSK	50	50	ANT0	20.80	20.79	20.82	22.00
20	QPSK	100	0	ANT0	20.93	20.82	20.80	22.00
20	16QAM	1	0	ANT0	21.06	20.83	20.96	22.00
20	16QAM	1	49	ANT0	20.87	20.84	21.01	22.00
20	16QAM	1	99	ANT0	20.83	20.79	20.82	22.00
20	16QAM	50	0	ANT0	19.94	19.88	19.81	21.00
20	16QAM	50	25	ANT0	19.90	19.78	19.78	21.00
20	16QAM	50	50	ANT0	19.77	19.77	19.83	21.00
20	16QAM	100	0	ANT0	19.95	19.80	19.79	21.00
20	64QAM	1	0	ANT0	20.02	20.07	20.12	21.00
20	64QAM	1	49	ANT0	19.99	19.92	20.02	21.00
20	64QAM	1	99	ANT0	19.77	19.91	20.00	21.00
20	64QAM	50	0	ANT0	18.97	18.90	18.84	20.00
20	64QAM	50	25	ANT0	18.99	18.81	18.78	20.00
20	64QAM	50	50	ANT0	18.84	18.79	18.83	20.00
20	64QAM	100	0	ANT0	18.92	18.80	18.79	20.00

Band				LTE Band38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37775	38000	38225	Tune-up power(dBm)
5	QPSK	1	0	ANT0	20.50	20.43	20.28	21.50
5	QPSK	1	12	ANT0	20.57	20.49	20.34	21.50
5	QPSK	1	24	ANT0	20.56	20.48	20.28	21.50
5	QPSK	12	0	ANT0	19.53	19.51	19.27	20.50
5	QPSK	12	6	ANT0	19.59	19.48	19.33	20.50
5	QPSK	12	13	ANT0	19.57	19.46	19.25	20.50
5	QPSK	25	0	ANT0	19.55	19.45	19.29	20.50
5	16QAM	1	0	ANT0	19.67	19.63	19.44	20.50
5	16QAM	1	12	ANT0	19.71	19.67	19.47	20.50
5	16QAM	1	24	ANT0	19.61	19.53	19.48	20.50
5	16QAM	12	0	ANT0	18.72	18.53	18.34	19.50
5	16QAM	12	6	ANT0	18.71	18.47	18.42	19.50
5	16QAM	12	13	ANT0	18.70	18.46	18.39	19.50
5	16QAM	25	0	ANT0	18.56	18.49	18.28	19.50
5	64QAM	1	0	ANT0	18.54	18.74	18.31	19.50
5	64QAM	1	12	ANT0	18.63	18.77	18.56	19.50
5	64QAM	1	24	ANT0	18.50	18.68	18.44	19.50
5	64QAM	12	0	ANT0	17.59	17.55	17.31	18.50
5	64QAM	12	6	ANT0	17.65	17.52	17.39	18.50
5	64QAM	12	13	ANT0	17.63	17.43	17.33	18.50
5	64QAM	25	0	ANT0	17.59	17.49	17.30	18.50

Band				LTE Band38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37800	38000	38200	Tune-up power(dBm)
10	QPSK	1	0	ANT0	20.55	20.52	20.33	21.50
10	QPSK	1	24	ANT0	20.54	20.58	20.33	21.50
10	QPSK	1	49	ANT0	20.46	20.46	20.29	21.50
10	QPSK	25	0	ANT0	19.63	19.52	19.33	20.50
10	QPSK	25	12	ANT0	19.52	19.48	19.36	20.50
10	QPSK	25	25	ANT0	19.52	19.49	19.32	20.50
10	QPSK	50	0	ANT0	19.52	19.51	19.32	20.50
10	16QAM	1	0	ANT0	19.79	19.48	19.52	20.50
10	16QAM	1	24	ANT0	19.78	19.63	19.51	20.50
10	16QAM	1	49	ANT0	19.65	19.55	19.32	20.50
10	16QAM	25	0	ANT0	18.60	18.56	18.34	19.50
10	16QAM	25	12	ANT0	18.51	18.53	18.36	19.50
10	16QAM	25	25	ANT0	18.50	18.50	18.35	19.50
10	16QAM	50	0	ANT0	18.53	18.50	18.36	19.50
10	64QAM	1	0	ANT0	18.84	18.51	18.59	19.50
10	64QAM	1	24	ANT0	18.85	18.53	18.54	19.50
10	64QAM	1	49	ANT0	18.80	18.50	18.46	19.50
10	64QAM	25	0	ANT0	17.62	17.57	17.31	18.50
10	64QAM	25	12	ANT0	17.53	17.52	17.37	18.50
10	64QAM	25	25	ANT0	17.54	17.53	17.32	18.50
10	64QAM	50	0	ANT0	17.56	17.49	17.34	18.50

Band				LTE Band38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37825	38000	38175	Tune-up power(dBm)
15	QPSK	1	0	ANT0	20.33	20.21	20.05	21.50
15	QPSK	1	37	ANT0	20.28	20.21	20.03	21.50
15	QPSK	1	74	ANT0	20.17	20.17	19.95	21.50
15	QPSK	36	0	ANT0	19.36	19.32	19.21	20.50
15	QPSK	36	19	ANT0	19.38	19.28	19.16	20.50
15	QPSK	36	39	ANT0	19.32	19.31	19.16	20.50
15	QPSK	75	0	ANT0	19.31	19.28	19.20	20.50
15	16QAM	1	0	ANT0	19.29	19.38	19.13	20.50
15	16QAM	1	37	ANT0	19.30	19.49	19.14	20.50
15	16QAM	1	74	ANT0	19.20	19.42	19.03	20.50
15	16QAM	36	0	ANT0	18.41	18.33	18.19	19.50
15	16QAM	36	19	ANT0	18.41	18.26	18.17	19.50
15	16QAM	36	39	ANT0	18.30	18.29	18.14	19.50
15	16QAM	75	0	ANT0	18.35	18.30	18.14	19.50
15	64QAM	1	0	ANT0	18.50	18.44	18.20	19.50
15	64QAM	1	37	ANT0	18.45	18.51	18.19	19.50
15	64QAM	1	74	ANT0	18.33	18.47	18.07	19.50
15	64QAM	36	0	ANT0	17.42	17.30	17.20	18.50
15	64QAM	36	19	ANT0	17.40	17.26	17.16	18.50
15	64QAM	36	39	ANT0	17.35	17.28	17.16	18.50
15	64QAM	75	0	ANT0	17.34	17.30	17.11	18.50

Band				LTE Band38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37850	38000	38150	Tune-up power(dBm)
20	QPSK	1	0	ANT0	20.43	20.32	20.10	21.50
20	QPSK	1	49	ANT0	20.34	20.29	20.12	21.50
20	QPSK	1	99	ANT0	20.29	20.24	20.10	21.50
20	QPSK	50	0	ANT0	19.43	19.39	19.20	20.50
20	QPSK	50	25	ANT0	19.43	19.30	19.20	20.50
20	QPSK	50	50	ANT0	19.33	19.29	19.12	20.50
20	QPSK	100	0	ANT0	19.34	19.31	19.23	20.50
20	16QAM	1	0	ANT0	19.70	19.42	19.22	20.50
20	16QAM	1	49	ANT0	19.62	19.46	19.16	20.50
20	16QAM	1	99	ANT0	19.53	19.46	19.09	20.50
20	16QAM	50	0	ANT0	18.45	18.39	18.23	19.50
20	16QAM	50	25	ANT0	18.43	18.35	18.25	19.50
20	16QAM	50	50	ANT0	18.36	18.33	18.10	19.50
20	16QAM	100	0	ANT0	18.36	18.36	18.18	19.50
20	64QAM	1	0	ANT0	18.67	18.44	18.33	19.50
20	64QAM	1	49	ANT0	18.56	18.32	18.26	19.50
20	64QAM	1	99	ANT0	18.64	18.43	18.28	19.50
20	64QAM	50	0	ANT0	17.52	17.34	17.20	18.50
20	64QAM	50	25	ANT0	17.46	17.31	17.26	18.50
20	64QAM	50	50	ANT0	17.37	17.33	17.14	18.50
20	64QAM	100	0	ANT0	17.40	17.32	17.23	18.50

Band				LTE Band41						
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	QPSK	1	0	ANT2	21.47	21.35	21.41	21.35	20.76	22.00
5	QPSK	1	12	ANT2	21.49	21.56	21.48	21.46	20.78	22.00
5	QPSK	1	24	ANT2	21.47	21.37	21.45	21.42	20.74	22.00
5	QPSK	12	0	ANT2	20.52	20.37	20.47	20.38	19.80	21.00
5	QPSK	12	6	ANT2	20.53	20.54	20.52	20.39	19.86	21.00
5	QPSK	12	13	ANT2	20.44	20.52	20.39	20.42	19.81	21.00
5	QPSK	25	0	ANT2	20.53	20.57	20.39	20.33	19.82	21.00
5	16QAM	1	0	ANT2	20.60	20.50	20.54	20.61	20.01	21.00
5	16QAM	1	12	ANT2	20.67	20.68	20.59	20.46	19.95	21.00
5	16QAM	1	24	ANT2	20.61	20.67	20.49	20.64	19.96	21.00
5	16QAM	12	0	ANT2	19.49	19.47	19.52	19.38	18.73	20.00
5	16QAM	12	6	ANT2	19.51	19.47	19.54	19.46	18.78	20.00
5	16QAM	12	13	ANT2	19.36	19.42	19.45	19.34	18.73	20.00
5	16QAM	25	0	ANT2	19.58	19.43	19.43	19.38	18.83	20.00
5	64QAM	1	0	ANT2	19.30	19.39	19.59	19.64	18.86	20.00
5	64QAM	1	12	ANT2	19.40	19.44	19.66	19.79	18.73	20.00
5	64QAM	1	24	ANT2	19.59	19.49	19.54	19.63	18.65	20.00
5	64QAM	12	0	ANT2	18.57	18.46	18.50	18.61	17.79	19.00
5	64QAM	12	6	ANT2	18.61	18.53	18.55	18.49	17.85	19.00
5	64QAM	12	13	ANT2	18.52	18.58	18.44	18.34	17.82	19.00
5	64QAM	25	0	ANT2	18.54	18.41	18.41	18.33	17.81	19.00

Band				LTE Band41						
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	QPSK	1	0	ANT2	21.47	21.38	21.43	21.51	20.82	22.00
10	QPSK	1	24	ANT2	21.59	21.46	21.50	21.47	20.89	22.00
10	QPSK	1	49	ANT2	21.47	21.57	21.46	21.32	20.72	22.00
10	QPSK	25	0	ANT2	20.58	20.43	20.51	20.62	19.80	21.00
10	QPSK	25	12	ANT2	20.60	20.52	20.54	20.60	19.83	21.00
10	QPSK	25	25	ANT2	20.49	20.62	20.42	20.38	19.73	21.00
10	QPSK	50	0	ANT2	20.58	20.45	20.42	20.44	19.82	21.00
10	16QAM	1	0	ANT2	20.68	20.73	20.57	20.44	20.02	21.00
10	16QAM	1	24	ANT2	20.74	20.65	20.62	20.47	19.96	21.00
10	16QAM	1	49	ANT2	20.65	20.71	20.55	20.53	19.90	21.00
10	16QAM	25	0	ANT2	19.58	19.63	19.54	19.61	18.88	20.00
10	16QAM	25	12	ANT2	19.65	19.53	19.54	19.56	18.87	20.00
10	16QAM	25	25	ANT2	19.53	19.39	19.48	19.51	18.77	20.00
10	16QAM	50	0	ANT2	19.56	19.71	19.41	19.28	18.83	20.00
10	64QAM	1	0	ANT2	19.85	19.99	19.58	19.60	19.00	20.00
10	64QAM	1	24	ANT2	19.86	19.80	19.69	19.55	19.06	20.00
10	64QAM	1	49	ANT2	19.89	19.76	19.64	19.58	18.98	20.00
10	64QAM	25	0	ANT2	18.58	18.61	18.53	18.42	17.83	19.00
10	64QAM	25	12	ANT2	18.62	18.54	18.60	18.65	17.83	19.00
10	64QAM	25	25	ANT2	18.49	18.59	18.42	18.45	17.70	19.00
10	64QAM	50	0	ANT2	18.59	18.44	18.45	18.31	17.84	19.00

Band				LTE Band41						
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	QPSK	1	0	ANT2	21.32	21.39	21.25	21.19	20.64	22.00
15	QPSK	1	37	ANT2	21.35	21.50	21.16	21.31	20.65	22.00
15	QPSK	1	74	ANT2	21.24	21.20	21.30	21.37	20.58	22.00
15	QPSK	36	0	ANT2	20.39	20.51	20.27	20.27	19.69	21.00
15	QPSK	36	19	ANT2	20.39	20.46	20.18	20.08	19.67	21.00
15	QPSK	36	39	ANT2	20.32	20.45	20.23	20.13	19.56	21.00
15	QPSK	75	0	ANT2	20.43	20.48	20.23	20.18	19.64	21.00
15	16QAM	1	0	ANT2	20.45	20.47	20.34	20.33	19.74	21.00
15	16QAM	1	37	ANT2	20.46	20.58	20.24	20.22	19.69	21.00
15	16QAM	1	74	ANT2	20.31	20.24	20.28	20.21	19.70	21.00
15	16QAM	36	0	ANT2	19.36	19.46	19.29	19.40	18.66	20.00
15	16QAM	36	19	ANT2	19.36	19.27	19.22	19.30	18.64	20.00
15	16QAM	36	39	ANT2	19.34	19.44	19.24	19.22	18.58	20.00
15	16QAM	75	0	ANT2	19.38	19.39	19.23	19.20	18.67	20.00
15	64QAM	1	0	ANT2	19.37	19.34	19.23	19.15	18.70	20.00
15	64QAM	1	37	ANT2	19.41	19.38	19.28	19.34	18.53	20.00
15	64QAM	1	74	ANT2	19.33	19.37	19.30	19.30	18.60	20.00
15	64QAM	36	0	ANT2	18.36	18.47	18.30	18.39	17.70	19.00
15	64QAM	36	19	ANT2	18.38	18.39	18.19	18.23	17.66	19.00
15	64QAM	36	39	ANT2	18.27	18.19	18.25	18.21	17.58	19.00
15	64QAM	75	0	ANT2	18.39	18.37	18.19	18.06	17.64	19.00

Band				LTE Band41						
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	QPSK	1	0	ANT2	21.25	21.10	21.24	21.10	20.80	22.00
20	QPSK	1	49	ANT2	21.33	21.30	21.16	21.24	20.66	22.00
20	QPSK	1	99	ANT2	21.21	21.08	21.24	21.29	20.66	22.00
20	QPSK	50	0	ANT2	20.37	20.36	20.29	20.44	19.71	21.00
20	QPSK	50	25	ANT2	20.42	20.46	20.25	20.14	19.71	21.00
20	QPSK	50	50	ANT2	20.26	20.36	20.25	20.30	19.61	21.00
20	QPSK	100	0	ANT2	20.40	20.50	20.17	20.16	19.70	21.00
20	16QAM	1	0	ANT2	20.46	20.37	20.24	20.29	19.98	21.00
20	16QAM	1	49	ANT2	20.45	20.42	20.19	20.21	19.88	21.00
20	16QAM	1	99	ANT2	20.40	20.38	20.09	20.15	19.91	21.00
20	16QAM	50	0	ANT2	19.40	19.25	19.30	19.31	18.75	20.00
20	16QAM	50	25	ANT2	19.42	19.27	19.26	19.28	18.68	20.00
20	16QAM	50	50	ANT2	19.32	19.22	19.24	19.09	18.58	20.00
20	16QAM	100	0	ANT2	19.41	19.48	19.23	19.37	18.68	20.00
20	64QAM	1	0	ANT2	19.40	19.50	19.17	19.30	18.79	20.00
20	64QAM	1	49	ANT2	19.42	19.28	19.28	19.13	18.76	20.00
20	64QAM	1	99	ANT2	19.35	19.50	19.16	19.12	18.80	20.00
20	64QAM	50	0	ANT2	18.43	18.44	18.28	18.30	17.67	19.00
20	64QAM	50	25	ANT2	18.42	18.55	18.20	18.25	17.73	19.00
20	64QAM	50	50	ANT2	18.34	18.25	18.24	18.12	17.61	19.00
20	64QAM	100	0	ANT2	18.42	18.57	18.21	18.25	17.70	19.00

8.4 LTE ENDC Output Power

Band				LTE Band2(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	19.50	19.73	19.74	20.00
1.4	QPSK	1	2	ANT0	19.52	19.66	19.80	20.00
1.4	QPSK	1	5	ANT0	19.72	19.62	19.76	20.00
1.4	QPSK	3	0	ANT0	19.69	19.56	19.71	20.00
1.4	QPSK	3	1	ANT0	19.73	19.59	19.73	20.00
1.4	QPSK	3	3	ANT0	19.64	19.54	19.60	20.00
1.4	QPSK	6	0	ANT0	19.67	19.64	19.51	20.00
1.4	16QAM	1	0	ANT0	19.59	19.52	19.54	20.00
1.4	16QAM	1	2	ANT0	19.60	19.72	19.54	20.00
1.4	16QAM	1	5	ANT0	19.70	19.56	19.70	20.00
1.4	16QAM	3	0	ANT0	19.52	19.69	19.73	20.00
1.4	16QAM	3	1	ANT0	19.68	19.73	19.79	20.00
1.4	16QAM	3	3	ANT0	19.58	19.70	19.51	20.00
1.4	16QAM	6	0	ANT0	19.61	19.53	19.60	20.00
1.4	64QAM	1	0	ANT0	19.62	19.54	19.67	20.00
1.4	64QAM	1	2	ANT0	19.61	19.79	19.69	20.00
1.4	64QAM	1	5	ANT0	19.73	19.70	19.59	20.00
1.4	64QAM	3	0	ANT0	19.60	19.58	19.69	20.00
1.4	64QAM	3	1	ANT0	19.77	19.72	19.63	20.00
1.4	64QAM	3	3	ANT0	19.77	19.66	19.52	20.00
1.4	64QAM	6	0	ANT0	18.52	18.55	18.75	19.00

Band				LTE Band2(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT0	19.64	19.57	19.78	20.00
3	QPSK	1	7	ANT0	19.69	19.77	19.54	20.00
3	QPSK	1	14	ANT0	19.77	19.53	19.79	20.00
3	QPSK	8	0	ANT0	19.76	19.71	19.80	20.00
3	QPSK	8	3	ANT0	19.64	19.74	19.61	20.00
3	QPSK	8	7	ANT0	19.72	19.75	19.60	20.00
3	QPSK	15	0	ANT0	19.62	19.78	19.69	20.00
3	16QAM	1	0	ANT0	19.72	19.77	19.59	20.00
3	16QAM	1	7	ANT0	19.66	19.69	19.59	20.00
3	16QAM	1	14	ANT0	19.75	19.64	19.60	20.00
3	16QAM	8	0	ANT0	19.80	19.79	19.63	20.00
3	16QAM	8	3	ANT0	19.79	19.75	19.70	20.00
3	16QAM	8	7	ANT0	19.68	19.61	19.73	20.00
3	16QAM	15	0	ANT0	19.67	19.58	19.61	20.00
3	64QAM	1	0	ANT0	19.76	19.69	19.74	20.00
3	64QAM	1	7	ANT0	19.52	19.73	19.67	20.00
3	64QAM	1	14	ANT0	19.68	19.74	19.55	20.00
3	64QAM	8	0	ANT0	18.65	18.70	18.61	19.00
3	64QAM	8	3	ANT0	18.53	18.74	18.74	19.00
3	64QAM	8	7	ANT0	18.52	18.57	18.78	19.00
3	64QAM	15	0	ANT0	18.60	18.50	18.50	19.00

Band				LTE Band2(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT0	19.60	19.76	19.78	20.00
5	QPSK	1	12	ANT0	19.71	19.72	19.78	20.00
5	QPSK	1	24	ANT0	19.53	19.67	19.52	20.00
5	QPSK	12	0	ANT0	19.70	19.62	19.70	20.00
5	QPSK	12	6	ANT0	19.64	19.54	19.63	20.00
5	QPSK	12	13	ANT0	19.79	19.66	19.53	20.00
5	QPSK	25	0	ANT0	19.78	19.73	19.72	20.00
5	16QAM	1	0	ANT0	19.73	19.64	19.61	20.00
5	16QAM	1	12	ANT0	19.54	19.56	19.65	20.00
5	16QAM	1	24	ANT0	19.74	19.72	19.57	20.00
5	16QAM	12	0	ANT0	19.52	19.69	19.51	20.00
5	16QAM	12	6	ANT0	19.53	19.60	19.80	20.00
5	16QAM	12	13	ANT0	19.50	19.52	19.67	20.00
5	16QAM	25	0	ANT0	19.61	19.61	19.53	20.00
5	64QAM	1	0	ANT0	19.61	19.58	19.71	20.00
5	64QAM	1	12	ANT0	19.63	19.61	19.80	20.00
5	64QAM	1	24	ANT0	19.50	19.54	19.50	20.00
5	64QAM	12	0	ANT0	18.79	18.77	18.51	19.00
5	64QAM	12	6	ANT0	18.58	18.56	18.78	19.00
5	64QAM	12	13	ANT0	18.57	18.64	18.65	19.00
5	64QAM	25	0	ANT0	18.78	18.64	18.70	19.00

Band				LTE Band2(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT0	19.58	19.73	19.62	20.00
10	QPSK	1	24	ANT0	19.56	19.73	19.71	20.00
10	QPSK	1	49	ANT0	19.57	19.70	19.66	20.00
10	QPSK	25	0	ANT0	19.70	19.59	19.50	20.00
10	QPSK	25	12	ANT0	19.71	19.68	19.55	20.00
10	QPSK	25	25	ANT0	19.75	19.52	19.64	20.00
10	QPSK	50	0	ANT0	19.50	19.70	19.69	20.00
10	16QAM	1	0	ANT0	19.67	19.58	19.62	20.00
10	16QAM	1	24	ANT0	19.79	19.66	19.56	20.00
10	16QAM	1	49	ANT0	19.64	19.66	19.67	20.00
10	16QAM	25	0	ANT0	19.64	19.78	19.71	20.00
10	16QAM	25	12	ANT0	19.80	19.62	19.68	20.00
10	16QAM	25	25	ANT0	19.76	19.57	19.76	20.00
10	16QAM	50	0	ANT0	19.63	19.63	19.67	20.00
10	64QAM	1	0	ANT0	19.57	19.72	19.51	20.00
10	64QAM	1	24	ANT0	19.61	19.57	19.58	20.00
10	64QAM	1	49	ANT0	19.66	19.66	19.74	20.00
10	64QAM	25	0	ANT0	18.52	18.50	18.68	19.00
10	64QAM	25	12	ANT0	18.72	18.74	18.79	19.00
10	64QAM	25	25	ANT0	18.66	18.62	18.59	19.00
10	64QAM	50	0	ANT0	18.75	18.61	18.59	19.00

Band				LTE Band2(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT0	19.69	19.73	19.74	20.00
15	QPSK	1	37	ANT0	19.78	19.61	19.52	20.00
15	QPSK	1	74	ANT0	19.54	19.62	19.78	20.00
15	QPSK	36	0	ANT0	19.67	19.56	19.56	20.00
15	QPSK	36	19	ANT0	19.64	19.74	19.67	20.00
15	QPSK	36	39	ANT0	19.75	19.77	19.78	20.00
15	QPSK	75	0	ANT0	19.73	19.50	19.68	20.00
15	16QAM	1	0	ANT0	19.51	19.80	19.73	20.00
15	16QAM	1	37	ANT0	19.54	19.79	19.78	20.00
15	16QAM	1	74	ANT0	19.59	19.66	19.62	20.00
15	16QAM	36	0	ANT0	19.80	19.78	19.72	20.00
15	16QAM	36	19	ANT0	19.51	19.78	19.50	20.00
15	16QAM	36	39	ANT0	19.66	19.70	19.62	20.00
15	16QAM	75	0	ANT0	19.71	19.74	19.62	20.00
15	64QAM	1	0	ANT0	19.80	19.55	19.50	20.00
15	64QAM	1	37	ANT0	19.50	19.69	19.74	20.00
15	64QAM	1	74	ANT0	19.51	19.78	19.50	20.00
15	64QAM	36	0	ANT0	18.67	18.67	18.80	19.00
15	64QAM	36	19	ANT0	18.75	18.63	18.58	19.00
15	64QAM	36	39	ANT0	18.56	18.65	18.73	19.00
15	64QAM	75	0	ANT0	18.52	18.57	18.57	19.00

Band				LTE Band2(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT0	19.59	19.48	19.74	20.00
20	QPSK	1	49	ANT0	19.62	19.63	19.51	20.00
20	QPSK	1	99	ANT0	19.60	19.60	19.64	20.00
20	QPSK	50	0	ANT0	19.65	19.72	19.56	20.00
20	QPSK	50	25	ANT0	19.59	19.79	19.63	20.00
20	QPSK	50	50	ANT0	19.61	19.67	19.64	20.00
20	QPSK	100	0	ANT0	19.63	19.80	19.53	20.00
20	16QAM	1	0	ANT0	19.54	19.52	19.79	20.00
20	16QAM	1	49	ANT0	19.77	19.60	19.61	20.00
20	16QAM	1	99	ANT0	19.57	19.58	19.67	20.00
20	16QAM	50	0	ANT0	19.79	19.78	19.63	20.00
20	16QAM	50	25	ANT0	19.63	19.68	19.64	20.00
20	16QAM	50	50	ANT0	19.56	19.60	19.64	20.00
20	16QAM	100	0	ANT0	19.74	19.51	19.56	20.00
20	64QAM	1	0	ANT0	19.64	19.60	19.50	20.00
20	64QAM	1	49	ANT0	19.78	19.51	19.55	20.00
20	64QAM	1	99	ANT0	19.64	19.71	19.76	20.00
20	64QAM	50	0	ANT0	18.80	18.64	18.56	19.00
20	64QAM	50	25	ANT0	18.55	18.80	18.73	19.00
20	64QAM	50	50	ANT0	18.50	18.72	18.63	19.00
20	64QAM	100	0	ANT0	18.63	18.54	18.53	19.00

Band				LTE Band5(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20407	20525	20643	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	19.50	19.83	19.74	20.50
1.4	QPSK	1	2	ANT0	19.59	19.83	19.82	20.50
1.4	QPSK	1	5	ANT0	19.88	19.82	19.90	20.50
1.4	QPSK	3	0	ANT0	19.82	19.66	19.89	20.50
1.4	QPSK	3	1	ANT0	19.56	19.81	19.82	20.50
1.4	QPSK	3	3	ANT0	19.83	19.84	19.52	20.50
1.4	QPSK	6	0	ANT0	19.71	19.53	19.86	20.50
1.4	16QAM	1	0	ANT0	19.70	19.61	19.58	20.50
1.4	16QAM	1	2	ANT0	19.86	19.65	19.89	20.50
1.4	16QAM	1	5	ANT0	19.82	19.52	19.51	20.50
1.4	16QAM	3	0	ANT0	19.69	19.77	19.70	20.50
1.4	16QAM	3	1	ANT0	19.50	19.66	19.76	20.50
1.4	16QAM	3	3	ANT0	19.77	19.77	19.66	20.50
1.4	16QAM	6	0	ANT0	19.52	19.62	19.76	20.50
1.4	64QAM	1	0	ANT0	19.80	19.84	19.58	20.50
1.4	64QAM	1	2	ANT0	19.53	19.53	19.56	20.50
1.4	64QAM	1	5	ANT0	19.56	19.84	19.71	20.50
1.4	64QAM	3	0	ANT0	19.56	19.77	19.81	20.50
1.4	64QAM	3	1	ANT0	19.86	19.54	19.55	20.50
1.4	64QAM	3	3	ANT0	19.57	19.55	19.88	20.50
1.4	64QAM	6	0	ANT0	19.05	19.01	19.07	20.00

Band				LTE Band5(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20415	20525	20635	Tune-up power(dBm)
3	QPSK	1	0	ANT0	19.77	19.57	19.51	20.50
3	QPSK	1	7	ANT0	19.69	19.70	19.54	20.50
3	QPSK	1	14	ANT0	19.73	19.73	19.54	20.50
3	QPSK	8	0	ANT0	19.90	19.53	19.77	20.50
3	QPSK	8	3	ANT0	19.58	19.74	19.63	20.50
3	QPSK	8	7	ANT0	19.78	19.57	19.58	20.50
3	QPSK	15	0	ANT0	19.86	19.82	19.74	20.50
3	16QAM	1	0	ANT0	19.53	19.64	19.80	20.50
3	16QAM	1	7	ANT0	19.75	19.74	19.70	20.50
3	16QAM	1	14	ANT0	19.89	19.71	19.75	20.50
3	16QAM	8	0	ANT0	19.76	19.52	19.82	20.50
3	16QAM	8	3	ANT0	19.86	19.74	19.77	20.50
3	16QAM	8	7	ANT0	19.64	19.61	19.57	20.50
3	16QAM	15	0	ANT0	19.82	19.80	19.53	20.50
3	64QAM	1	0	ANT0	19.78	19.77	19.74	20.50
3	64QAM	1	7	ANT0	19.75	19.90	19.59	20.50
3	64QAM	1	14	ANT0	19.90	19.64	19.60	20.50
3	64QAM	8	0	ANT0	19.31	19.28	19.20	20.00
3	64QAM	8	3	ANT0	19.32	19.01	19.10	20.00
3	64QAM	8	7	ANT0	19.08	19.10	19.14	20.00
3	64QAM	15	0	ANT0	19.21	19.27	19.27	20.00

Band				LTE Band5(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20425	20525	20625	Tune-up power(dBm)
5	QPSK	1	0	ANT0	19.66	19.66	19.66	20.50
5	QPSK	1	12	ANT0	19.67	19.53	19.86	20.50
5	QPSK	1	24	ANT0	19.65	19.83	19.86	20.50
5	QPSK	12	0	ANT0	19.52	19.60	19.53	20.50
5	QPSK	12	6	ANT0	19.70	19.85	19.84	20.50
5	QPSK	12	13	ANT0	19.89	19.89	19.84	20.50
5	QPSK	25	0	ANT0	19.68	19.81	19.72	20.50
5	16QAM	1	0	ANT0	19.59	19.50	19.50	20.50
5	16QAM	1	12	ANT0	19.57	19.53	19.72	20.50
5	16QAM	1	24	ANT0	19.62	19.79	19.59	20.50
5	16QAM	12	0	ANT0	19.82	19.77	19.69	20.50
5	16QAM	12	6	ANT0	19.73	19.79	19.79	20.50
5	16QAM	12	13	ANT0	19.82	19.66	19.52	20.50
5	16QAM	25	0	ANT0	19.60	19.69	19.88	20.50
5	64QAM	1	0	ANT0	19.78	19.64	19.70	20.50
5	64QAM	1	12	ANT0	19.79	19.70	19.72	20.50
5	64QAM	1	24	ANT0	19.74	19.76	19.69	20.50
5	64QAM	12	0	ANT0	19.33	19.14	19.09	20.00
5	64QAM	12	6	ANT0	19.18	19.22	19.19	20.00
5	64QAM	12	13	ANT0	19.17	19.00	19.20	20.00
5	64QAM	25	0	ANT0	19.39	19.14	19.34	20.00

Band				LTE Band5(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20450	20525	20600	Tune-up power(dBm)
10	QPSK	1	0	ANT0	19.86	19.55	19.70	20.50
10	QPSK	1	24	ANT0	19.56	19.55	19.81	20.50
10	QPSK	1	49	ANT0	19.89	19.60	19.78	20.50
10	QPSK	25	0	ANT0	19.74	19.67	19.60	20.50
10	QPSK	25	12	ANT0	19.51	19.84	19.84	20.50
10	QPSK	25	25	ANT0	19.62	19.75	19.83	20.50
10	QPSK	50	0	ANT0	19.71	19.65	19.72	20.50
10	16QAM	1	0	ANT0	19.51	19.85	19.60	20.50
10	16QAM	1	24	ANT0	19.76	19.76	19.76	20.50
10	16QAM	1	49	ANT0	19.50	19.55	19.50	20.50
10	16QAM	25	0	ANT0	19.73	19.53	19.60	20.50
10	16QAM	25	12	ANT0	19.65	19.88	19.53	20.50
10	16QAM	25	25	ANT0	19.67	19.56	19.69	20.50
10	16QAM	50	0	ANT0	19.86	19.50	19.53	20.50
10	64QAM	1	0	ANT0	19.90	19.63	19.67	20.50
10	64QAM	1	24	ANT0	19.69	19.90	19.90	20.50
10	64QAM	1	49	ANT0	19.88	19.83	19.59	20.50
10	64QAM	25	0	ANT0	19.10	19.16	19.32	20.00
10	64QAM	25	12	ANT0	19.24	19.09	19.07	20.00
10	64QAM	25	25	ANT0	19.06	19.05	19.18	20.00
10	64QAM	50	0	ANT0	19.24	19.40	19.19	20.00

Band				LTE Band12(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23017	23095	23173	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	19.67	19.85	19.80	20.50
1.4	QPSK	1	2	ANT0	19.70	19.71	19.79	20.50
1.4	QPSK	1	5	ANT0	19.66	19.70	19.75	20.50
1.4	QPSK	3	0	ANT0	19.68	19.68	19.71	20.50
1.4	QPSK	3	1	ANT0	19.70	19.79	19.77	20.50
1.4	QPSK	3	3	ANT0	19.68	19.70	19.76	20.50
1.4	QPSK	6	0	ANT0	19.73	19.77	19.70	20.50
1.4	16QAM	1	0	ANT0	19.74	19.68	19.66	20.50
1.4	16QAM	1	2	ANT0	19.80	19.79	19.69	20.50
1.4	16QAM	1	5	ANT0	19.76	19.84	19.66	20.50
1.4	16QAM	3	0	ANT0	19.70	19.79	19.73	20.50
1.4	16QAM	3	1	ANT0	19.69	19.69	19.85	20.50
1.4	16QAM	3	3	ANT0	19.83	19.74	19.71	20.50
1.4	16QAM	6	0	ANT0	19.70	19.68	19.72	20.50
1.4	64QAM	1	0	ANT0	19.77	19.75	19.70	20.50
1.4	64QAM	1	2	ANT0	19.71	19.74	19.65	20.50
1.4	64QAM	1	5	ANT0	19.77	19.82	19.70	20.50
1.4	64QAM	3	0	ANT0	19.76	19.72	19.81	20.50
1.4	64QAM	3	1	ANT0	19.72	19.70	19.79	20.50
1.4	64QAM	3	3	ANT0	19.69	19.66	19.68	20.50
1.4	64QAM	6	0	ANT0	19.20	19.32	19.34	20.00

Band				LTE Band12(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23025	23095	23165	Tune-up power(dBm)
3	QPSK	1	0	ANT0	19.69	19.68	19.69	20.50
3	QPSK	1	7	ANT0	19.74	19.71	19.68	20.50
3	QPSK	1	14	ANT0	19.77	19.74	19.72	20.50
3	QPSK	8	0	ANT0	19.77	19.80	19.76	20.50
3	QPSK	8	3	ANT0	19.82	19.83	19.79	20.50
3	QPSK	8	7	ANT0	19.78	19.83	19.72	20.50
3	QPSK	15	0	ANT0	19.74	19.82	19.76	20.50
3	16QAM	1	0	ANT0	19.72	19.81	19.85	20.50
3	16QAM	1	7	ANT0	19.82	19.75	19.78	20.50
3	16QAM	1	14	ANT0	19.82	19.70	19.79	20.50
3	16QAM	8	0	ANT0	19.73	19.69	19.66	20.50
3	16QAM	8	3	ANT0	19.84	19.67	19.69	20.50
3	16QAM	8	7	ANT0	19.71	19.79	19.72	20.50
3	16QAM	15	0	ANT0	19.82	19.78	19.80	20.50
3	64QAM	1	0	ANT0	19.74	19.76	19.75	20.50
3	64QAM	1	7	ANT0	19.73	19.72	19.74	20.50
3	64QAM	1	14	ANT0	19.72	19.68	19.78	20.50
3	64QAM	8	0	ANT0	19.25	19.30	19.21	20.00
3	64QAM	8	3	ANT0	19.25	19.29	19.16	20.00
3	64QAM	8	7	ANT0	19.28	19.24	19.26	20.00
3	64QAM	15	0	ANT0	19.15	19.30	19.22	20.00

Band				LTE Band12(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23035	23095	23155	Tune-up power(dBm)
5	QPSK	1	0	ANT0	19.81	19.66	19.67	20.50
5	QPSK	1	12	ANT0	19.74	19.79	19.65	20.50
5	QPSK	1	24	ANT0	19.83	19.83	19.68	20.50
5	QPSK	12	0	ANT0	19.69	19.83	19.80	20.50
5	QPSK	12	6	ANT0	19.71	19.75	19.74	20.50
5	QPSK	12	13	ANT0	19.65	19.84	19.84	20.50
5	QPSK	25	0	ANT0	19.73	19.70	19.74	20.50
5	16QAM	1	0	ANT0	19.81	19.72	19.70	20.50
5	16QAM	1	12	ANT0	19.84	19.81	19.81	20.50
5	16QAM	1	24	ANT0	19.74	19.70	19.79	20.50
5	16QAM	12	0	ANT0	19.70	19.79	19.84	20.50
5	16QAM	12	6	ANT0	19.82	19.84	19.66	20.50
5	16QAM	12	13	ANT0	19.69	19.76	19.82	20.50
5	16QAM	25	0	ANT0	19.75	19.74	19.81	20.50
5	64QAM	1	0	ANT0	19.68	19.65	19.81	20.50
5	64QAM	1	12	ANT0	19.69	19.74	19.74	20.50
5	64QAM	1	24	ANT0	19.82	19.75	19.74	20.50
5	64QAM	12	0	ANT0	19.19	19.22	19.27	20.00
5	64QAM	12	6	ANT0	19.24	19.34	19.24	20.00
5	64QAM	12	13	ANT0	19.20	19.15	19.25	20.00
5	64QAM	25	0	ANT0	19.35	19.31	19.29	20.00

Band				LTE Band12(ENDC)				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23060	23095	23130	Tune-up power(dBm)
10	QPSK	1	0	ANT0	19.66	19.69	19.80	20.50
10	QPSK	1	24	ANT0	19.77	19.70	19.81	20.50
10	QPSK	1	49	ANT0	19.69	19.81	19.85	20.50
10	QPSK	25	0	ANT0	19.68	19.72	19.76	20.50
10	QPSK	25	12	ANT0	19.84	19.77	19.72	20.50
10	QPSK	25	25	ANT0	19.75	19.75	19.72	20.50
10	QPSK	50	0	ANT0	19.81	19.75	19.75	20.50
10	16QAM	1	0	ANT0	19.81	19.67	19.77	20.50
10	16QAM	1	24	ANT0	19.81	19.67	19.85	20.50
10	16QAM	1	49	ANT0	19.74	19.77	19.70	20.50
10	16QAM	25	0	ANT0	19.68	19.77	19.84	20.50
10	16QAM	25	12	ANT0	19.73	19.81	19.76	20.50
10	16QAM	25	25	ANT0	19.71	19.83	19.79	20.50
10	16QAM	50	0	ANT0	19.83	19.76	19.69	20.50
10	64QAM	1	0	ANT0	19.78	19.78	19.83	20.50
10	64QAM	1	24	ANT0	19.83	19.71	19.76	20.50
10	64QAM	1	49	ANT0	19.85	19.77	19.77	20.50
10	64QAM	25	0	ANT0	19.16	19.30	19.23	20.00
10	64QAM	25	12	ANT0	19.26	19.33	19.21	20.00
10	64QAM	25	25	ANT0	19.35	19.21	19.22	20.00
10	64QAM	50	0	ANT0	19.23	19.21	19.29	20.00

Band				LTE Band41(ENDC)							
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	QPSK	1	0	ANT0	DSI0	19.94	20.05	19.72	19.79	19.61	21.00
5	QPSK	1	12	ANT0	DSI0	19.76	19.75	19.98	19.89	19.66	21.00
5	QPSK	1	24	ANT0	DSI0	19.66	19.66	19.75	19.67	19.82	21.00
5	QPSK	12	0	ANT0	DSI0	19.86	19.78	19.95	19.86	19.72	21.00
5	QPSK	12	6	ANT0	DSI0	19.64	19.64	19.77	19.89	19.71	21.00
5	QPSK	12	13	ANT0	DSI0	19.63	19.62	19.79	19.68	19.72	21.00
5	QPSK	25	0	ANT0	DSI0	19.78	19.91	19.90	19.85	19.60	21.00
5	16QAM	1	0	ANT0	DSI0	19.76	19.89	20.00	19.91	19.61	21.00
5	16QAM	1	12	ANT0	DSI0	19.73	19.80	20.00	19.89	19.69	21.00
5	16QAM	1	24	ANT0	DSI0	19.73	19.82	19.76	19.65	19.98	21.00
5	16QAM	12	0	ANT0	DSI0	18.80	18.94	18.75	18.83	18.60	20.00
5	16QAM	12	6	ANT0	DSI0	18.89	18.94	18.86	18.72	18.81	20.00
5	16QAM	12	13	ANT0	DSI0	18.74	18.60	18.92	18.91	18.90	20.00
5	16QAM	25	0	ANT0	DSI0	18.71	18.78	18.70	18.79	18.82	20.00
5	64QAM	1	0	ANT0	DSI0	18.63	18.54	18.60	18.47	18.79	20.00
5	64QAM	1	12	ANT0	DSI0	18.90	18.75	18.75	18.74	18.63	20.00
5	64QAM	1	24	ANT0	DSI0	18.78	18.92	18.73	18.60	18.90	20.00
5	64QAM	12	0	ANT0	DSI0	17.65	17.53	17.65	17.60	17.67	19.00
5	64QAM	12	6	ANT0	DSI0	17.63	17.50	17.76	17.69	17.79	19.00
5	64QAM	12	13	ANT0	DSI0	17.92	17.94	17.90	17.92	17.90	19.00
5	64QAM	25	0	ANT0	DSI0	17.64	17.53	17.96	18.06	17.91	19.00

Band				LTE Band41(ENDC)							
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	QPSK	1	0	ANT0	DSI0	19.68	19.79	19.73	19.72	19.74	21.00
10	QPSK	1	24	ANT0	DSI0	19.89	19.75	19.86	19.96	19.77	21.00
10	QPSK	1	49	ANT0	DSI0	19.89	20.02	19.61	19.76	19.94	21.00
10	QPSK	25	0	ANT0	DSI0	19.68	19.54	19.77	19.65	19.63	21.00
10	QPSK	25	12	ANT0	DSI0	19.93	19.89	19.71	19.59	19.90	21.00
10	QPSK	25	25	ANT0	DSI0	19.66	19.70	19.96	19.82	19.81	21.00
10	QPSK	50	0	ANT0	DSI0	19.72	19.64	19.69	19.58	19.60	21.00
10	16QAM	1	0	ANT0	DSI0	19.79	19.79	19.62	19.63	19.93	21.00
10	16QAM	1	24	ANT0	DSI0	19.72	19.59	19.68	19.68	19.80	21.00
10	16QAM	1	49	ANT0	DSI0	19.94	20.05	19.65	19.67	19.97	21.00
10	16QAM	25	0	ANT0	DSI0	18.81	18.85	18.90	18.83	18.98	20.00
10	16QAM	25	12	ANT0	DSI0	18.89	18.83	18.92	18.80	18.90	20.00
10	16QAM	25	25	ANT0	DSI0	18.71	18.64	18.92	18.93	18.98	20.00
10	16QAM	50	0	ANT0	DSI0	18.78	18.88	18.70	18.68	18.98	20.00
10	64QAM	1	0	ANT0	DSI0	18.88	18.78	18.85	18.74	19.00	20.00
10	64QAM	1	24	ANT0	DSI0	18.97	19.02	18.75	18.67	19.00	20.00
10	64QAM	1	49	ANT0	DSI0	18.64	18.63	18.74	18.86	18.67	20.00
10	64QAM	25	0	ANT0	DSI0	17.97	17.84	17.76	17.66	17.89	19.00
10	64QAM	25	12	ANT0	DSI0	17.85	17.99	17.77	17.70	17.87	19.00
10	64QAM	25	25	ANT0	DSI0	17.83	17.98	17.69	17.77	17.72	19.00
10	64QAM	50	0	ANT0	DSI0	17.97	18.03	17.74	17.82	17.78	19.00

Band				LTE Band41(ENDC)							
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	QPSK	1	0	ANT0	DSI0	19.75	19.75	19.86	19.78	19.77	21.00
15	QPSK	1	37	ANT0	DSI0	19.64	19.54	19.65	19.76	19.63	21.00
15	QPSK	1	74	ANT0	DSI0	19.89	19.85	19.90	19.92	19.79	21.00
15	QPSK	36	0	ANT0	DSI0	19.61	19.58	19.96	20.05	19.81	21.00
15	QPSK	36	19	ANT0	DSI0	19.71	19.82	19.66	19.71	19.92	21.00
15	QPSK	36	39	ANT0	DSI0	19.67	19.78	19.63	19.58	19.83	21.00
15	QPSK	75	0	ANT0	DSI0	19.64	19.72	19.82	19.92	19.96	21.00
15	16QAM	1	0	ANT0	DSI0	19.90	19.98	19.61	19.68	19.77	21.00
15	16QAM	1	37	ANT0	DSI0	19.92	19.87	19.79	19.85	19.83	21.00
15	16QAM	1	74	ANT0	DSI0	19.84	19.90	19.87	19.81	19.85	21.00
15	16QAM	36	0	ANT0	DSI0	18.74	18.76	18.84	18.82	18.94	20.00
15	16QAM	36	19	ANT0	DSI0	18.99	19.13	18.76	18.69	18.90	20.00
15	16QAM	36	39	ANT0	DSI0	18.82	18.92	18.71	18.76	18.74	20.00
15	16QAM	75	0	ANT0	DSI0	18.76	18.79	18.98	19.06	18.91	20.00
15	64QAM	1	0	ANT0	DSI0	18.74	18.84	18.85	18.82	18.79	20.00
15	64QAM	1	37	ANT0	DSI0	18.89	18.89	18.95	18.91	18.74	20.00
15	64QAM	1	74	ANT0	DSI0	18.66	18.71	18.92	18.92	18.66	20.00
15	64QAM	36	0	ANT0	DSI0	17.65	17.74	17.84	17.84	17.99	19.00
15	64QAM	36	19	ANT0	DSI0	17.84	17.74	17.64	17.54	17.66	19.00
15	64QAM	36	39	ANT0	DSI0	17.83	17.73	17.90	18.05	17.77	19.00
15	64QAM	75	0	ANT0	DSI0	17.95	17.99	18.00	18.11	17.63	19.00

Band				LTE Band41(ENDC)							
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	QPSK	1	0	ANT0	DSI0	19.71	19.80	19.86	19.72	19.62	21.00
20	QPSK	1	49	ANT0	DSI0	19.86	19.85	19.73	19.88	19.66	21.00
20	QPSK	1	99	ANT0	DSI0	19.85	19.99	19.82	19.88	19.62	21.00
20	QPSK	50	0	ANT0	DSI0	19.94	20.02	19.97	19.86	19.90	21.00
20	QPSK	50	25	ANT0	DSI0	19.96	19.96	19.96	19.92	20.00	21.00
20	QPSK	50	50	ANT0	DSI0	19.68	19.59	19.62	19.73	19.91	21.00
20	QPSK	100	0	ANT0	DSI0	19.65	19.62	19.82	19.85	19.86	21.00
20	16QAM	1	0	ANT0	DSI0	19.62	19.58	19.73	19.73	20.00	21.00
20	16QAM	1	49	ANT0	DSI0	19.82	19.84	19.72	19.70	19.71	21.00
20	16QAM	1	99	ANT0	DSI0	19.95	20.08	19.92	20.02	19.76	21.00
20	16QAM	50	0	ANT0	DSI0	18.98	18.91	18.92	18.97	18.85	20.00
20	16QAM	50	25	ANT0	DSI0	18.89	18.84	18.85	18.80	18.70	20.00
20	16QAM	50	50	ANT0	DSI0	18.98	19.12	18.67	18.79	18.71	20.00
20	16QAM	100	0	ANT0	DSI0	18.74	18.62	18.88	18.94	18.99	20.00
20	64QAM	1	0	ANT0	DSI0	18.62	18.57	18.72	18.80	18.83	20.00
20	64QAM	1	49	ANT0	DSI0	18.62	18.64	18.93	18.86	18.87	20.00
20	64QAM	1	99	ANT0	DSI0	18.69	18.84	19.00	19.00	18.83	20.00
20	64QAM	50	0	ANT0	DSI0	17.62	17.60	17.98	18.03	17.63	19.00
20	64QAM	50	25	ANT0	DSI0	17.99	18.01	17.93	17.78	17.89	19.00
20	64QAM	50	50	ANT0	DSI0	17.97	17.92	17.63	17.49	17.85	19.00
20	64QAM	100	0	ANT0	DSI0	17.95	17.93	17.94	18.09	17.85	19.00

8.5 NR Output Power

N2-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offest	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	22.61	22.48	22.45	23.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offest	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	22.56	22.55	22.66	23.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offest	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	22.50	22.40	22.44	23.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offest	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.50	22.36	22.44	23.00
		1	53	22.50	22.49	22.61	23.00
		1	104	22.25	22.43	22.21	23.00
	DFT-s-OFDM BPSK	50	0	21.71	21.80	21.70	22.50
		50	28	22.57	22.43	22.36	23.00
		50	56	21.64	21.83	21.65	22.50
	DFT-s-OFDM BPSK	100	0	21.74	21.75	21.55	22.50
	DFT-s-OFDM QPSK	1	1	22.48	22.41	22.41	23.00
		1	53	22.51	22.55	22.44	23.00
		1	104	22.31	22.44	22.07	23.00
	DFT-s-OFDM QPSK	50	0	21.47	21.39	21.24	22.00
		50	28	22.77	22.70	22.69	23.00
		50	56	21.27	21.41	21.39	22.00
	DFT-s-OFDM QPSK	100	0	21.17	21.27	21.13	22.00
	DFT-s-OFDM 16QAM	1	1	21.28	21.31	21.33	22.00
	DFT-s-OFDM 64QAM	1	1	19.93	19.85	19.76	20.50
	DFT-s-OFDM 256QAM	1	1	18.12	17.92	18.06	18.50
	CP-OFDM QPSK	1	1	21.25	21.08	21.01	21.50
	CP-OFDM 16QAM	1	1	20.36	20.25	20.10	21.00
	CP-OFDM 64QAM	1	1	18.65	18.75	18.59	19.50
	CP-OFDM 256QAM	1	1	15.79	15.93	16.09	16.50

N5-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dBm)
		RB Size	RB offest	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.92	23.87	23.84	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dBm)
		RB Size	RB offest	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	23.93	23.96	23.95	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dBm)
		RB Size	RB offest	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.94	23.91	23.86	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dBm)
		RB Size	RB offest	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	23.97	23.92	23.91	25.00
		1	53	23.96	23.88	24.05	25.00
		1	104	23.73	23.68	23.59	25.00
	DFT-s-OFDM BPSK	50	0	23.41	23.56	23.74	24.50
		50	28	23.96	23.86	23.66	25.00
		50	56	23.24	23.05	23.25	24.50
	DFT-s-OFDM BPSK	100	0	23.40	23.31	23.26	24.50
	DFT-s-OFDM QPSK	1	1	23.93	23.97	23.91	25.00
		1	53	23.90	23.86	23.83	25.00
		1	104	23.72	23.68	23.64	25.00
	DFT-s-OFDM QPSK	50	0	23.16	22.99	22.87	24.00
		50	28	23.87	23.83	23.77	25.00
		50	56	22.54	22.54	22.40	24.00
	DFT-s-OFDM QPSK	100	0	23.32	23.12	23.26	24.00
	DFT-s-OFDM 16QAM	1	1	22.88	22.86	23.01	24.00
	DFT-s-OFDM 64QAM	1	1	21.52	21.45	21.31	22.50
	DFT-s-OFDM 256QAM	1	1	19.32	19.24	19.04	20.50
	CP-OFDM QPSK	1	1	22.07	22.06	21.86	23.50
	CP-OFDM 16QAM	1	1	22.09	22.07	22.24	23.00
	CP-OFDM 64QAM	1	1	20.44	20.57	20.70	21.50
	CP-OFDM 256QAM	1	1	17.47	17.53	17.72	18.50

N7-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dBm)
		RB Size	RB offest	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	21.29	21.31	21.07	22.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dBm)
		RB Size	RB offest	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	21.36	21.44	21.14	22.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dBm)
		RB Size	RB offest	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	21.30	21.31	21.09	22.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dBm)
		RB Size	RB offest	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	21.38	21.47	21.09	22.00
		1	53	21.31	21.32	21.45	22.00
		1	104	21.30	21.20	20.98	22.00
	DFT-s-OFDM BPSK	50	0	21.07	21.06	20.87	21.50
		50	28	21.33	21.38	21.57	22.00
		50	56	20.68	20.76	20.56	21.50
	DFT-s-OFDM BPSK	100	0	21.22	21.07	21.16	21.50
	DFT-s-OFDM QPSK	1	1	21.32	21.38	21.08	22.00
		1	53	21.20	21.40	21.36	22.00
		1	104	21.36	21.21	21.02	22.00
	DFT-s-OFDM QPSK	50	0	20.57	20.40	20.42	21.00
		50	28	21.37	21.55	21.55	22.00
		50	56	20.01	20.19	20.34	21.00
	DFT-s-OFDM QPSK	100	0	20.57	20.41	20.35	21.00
	DFT-s-OFDM 16QAM	1	1	20.61	20.44	20.56	21.00
	DFT-s-OFDM 64QAM	1	1	19.17	19.08	19.12	19.50
	DFT-s-OFDM 256QAM	1	1	16.96	16.83	17.01	17.50
	CP-OFDM QPSK	1	1	19.73	19.77	19.73	20.50
	CP-OFDM 16QAM	1	1	19.54	19.49	19.59	20.00
	CP-OFDM 64QAM	1	1	17.82	18.01	17.90	18.50
	CP-OFDM 256QAM	1	1	14.84	15.04	15.03	15.50

N12-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		140300	141500	142700	Tune-up power(dBm)
		RB Size	RB offest	701.5	707.5	713.5	
5	DFT-s-OFDM BPSK	1	1	23.89	23.70	23.61	25.00
Bandwidth (MHz)	Modulation	Channel		140800	141500	142200	Tune-up power(dBm)
		RB Size	RB offest	704	707.5	711	
10	DFT-s-OFDM BPSK	1	1	23.97	23.81	23.82	25.00
Bandwidth (MHz)	Modulation	Channel		141300	141500	141700	Tune-up power(dBm)
		RB Size	RB offest	706.5	707.5	708.5	
15	DFT-s-OFDM BPSK	1	1	23.77	23.79	23.76	25.00
		1	40	23.88	23.83	23.69	25.00
		1	77	23.61	23.59	23.58	25.00
	DFT-s-OFDM BPSK	36	0	23.23	23.37	23.40	24.50
		36	22	23.83	23.94	23.82	25.00
		36	43	23.17	23.15	23.10	24.50
	DFT-s-OFDM BPSK	75	0	23.13	23.19	23.13	24.50
	DFT-s-OFDM QPSK	1	1	23.76	23.84	23.80	25.00
		1	40	23.80	23.89	23.69	25.00
		1	77	23.61	23.58	23.55	25.00
	DFT-s-OFDM QPSK	36	0	22.95	22.99	22.84	24.00
		36	22	23.89	23.99	23.81	25.00
		36	43	22.62	22.57	22.60	24.00
	DFT-s-OFDM QPSK	75	0	22.83	22.99	22.94	24.00
	DFT-s-OFDM 16QAM	1	1	22.86	22.92	22.97	24.00
	DFT-s-OFDM 64QAM	1	1	21.17	21.23	21.14	22.50
	DFT-s-OFDM 256QAM	1	1	19.27	19.47	19.67	20.50
	CP-OFDM QPSK	1	1	22.23	22.20	22.21	23.50
	CP-OFDM 16QAM	1	1	21.98	21.88	21.68	23.00
	CP-OFDM 64QAM	1	1	20.20	20.23	20.41	21.50
	CP-OFDM 256QAM	1	1	16.99	17.15	17.06	18.50

N13-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		155900	156400	156900	Tune-up power(dBm)
		RB Size	RB offest	779.5	782	784.5	
5	DFT-s-OFDM BPSK	1	1	24.21	24.13	24.06	25.00
Bandwidth (MHz)	Modulation	Channel		156400			Tune-up power(dBm)
		RB Size	RB offest	782			
10	DFT-s-OFDM BPSK	1	1	/	24.13	/	25.00
		1	26	/	24.15	/	25.00
		1	50	/	24.00	/	25.00
	DFT-s-OFDM BPSK	25	0	/	23.49	/	24.50
		25	14	/	24.08	/	25.00
		25	27	/	23.55	/	24.50
	DFT-s-OFDM BPSK	50	0	/	23.67	/	24.50
	DFT-s-OFDM QPSK	1	1	/	24.20	/	25.00
		1	26	/	24.12	/	25.00
		1	50	/	24.06	/	25.00
	DFT-s-OFDM QPSK	25	0	/	23.13	/	24.00
		25	14	/	24.20	/	25.00
		25	27	/	23.18	/	24.00
	DFT-s-OFDM QPSK	50	0	/	23.21	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.14	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	21.63	/	22.50
	DFT-s-OFDM 256QAM	1	1	/	19.77	/	20.50
	CP-OFDM QPSK	1	1	/	22.65	/	23.50
	CP-OFDM 16QAM	1	1	/	22.11	/	23.00
	CP-OFDM 64QAM	1	1	/	20.71	/	21.50
	CP-OFDM 256QAM	1	1	/	17.51	/	18.50

N14-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		158100	158600	159100	Tune-up power(dBm)
		RB Size	RB offest	790.5	793	795.5	
5	DFT-s-OFDM BPSK	1	1	23.97	23.92	23.91	25.00
Bandwidth (MHz)	Modulation	Channel		158600			Tune-up power(dBm)
		RB Size	RB offest	793			
10	DFT-s-OFDM BPSK	1	1	/	24.04	/	25.00
		1	26	/	24.01	/	25.00
		1	50	/	23.83	/	25.00
	DFT-s-OFDM BPSK	25	0	/	23.65	/	24.50
		25	14	/	23.99	/	25.00
		25	27	/	23.27	/	24.50
	DFT-s-OFDM BPSK	50	0	/	23.54	/	24.50
	DFT-s-OFDM QPSK	1	1	/	24.07	/	25.00
		1	26	/	24.01	/	25.00
		1	50	/	23.87	/	25.00
	DFT-s-OFDM QPSK	25	0	/	23.04	/	24.00
		25	14	/	24.14	/	25.00
		25	27	/	22.94	/	24.00
	DFT-s-OFDM QPSK	50	0	/	23.09	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.00	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	21.40	/	22.50
	DFT-s-OFDM 256QAM	1	1	/	19.61	/	20.50
	CP-OFDM QPSK	1	1	/	22.26	/	23.50
	CP-OFDM 16QAM	1	1	/	22.09	/	23.00
	CP-OFDM 64QAM	1	1	/	20.50	/	21.50
	CP-OFDM 256QAM	1	1	/	17.52	/	18.50

N25-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		370500	376500	382500	Tune-up power(dBm)
		RB Size	RB offest	1852.5	1882.5	1912.5	
5	DFT-s-OFDM BPSK	1	1	22.58	22.53	22.34	24.00
Bandwidth (MHz)	Modulation	Channel		371000	376500	382000	Tune-up power(dBm)
		RB Size	RB offest	1855	1882.5	1910	
10	DFT-s-OFDM BPSK	1	1	22.57	22.52	22.54	24.00
Bandwidth (MHz)	Modulation	Channel		371500	376500	381500	Tune-up power(dBm)
		RB Size	RB offest	1857.5	1882.5	1907.5	
15	DFT-s-OFDM BPSK	1	1	22.57	22.52	22.58	24.00
Bandwidth (MHz)	Modulation	Channel		372000	376500	381000	Tune-up power(dBm)
		RB Size	RB offest	1860	1882.5	1905	
20	DFT-s-OFDM BPSK	1	1	22.56	22.49	22.68	24.00
		1	53	22.49	22.53	22.60	24.00
		1	104	22.37	22.54	22.47	24.00
	DFT-s-OFDM BPSK	50	0	22.02	21.86	22.01	23.50
		50	28	22.65	22.56	22.69	24.00
		50	56	22.09	22.03	22.07	23.50
	DFT-s-OFDM BPSK	100	0	21.89	22.05	22.24	23.50
	DFT-s-OFDM QPSK	1	1	22.52	22.48	22.61	24.00
		1	53	22.56	22.47	22.57	24.00
		1	104	22.45	22.56	22.46	24.00
	DFT-s-OFDM QPSK	50	0	21.55	21.51	21.31	23.00
		50	28	22.36	22.50	22.61	24.00
		50	56	21.27	21.42	21.61	23.00
	DFT-s-OFDM QPSK	100	0	21.52	21.42	21.58	23.00
	DFT-s-OFDM 16QAM	1	1	21.48	21.36	21.23	23.00
	DFT-s-OFDM 64QAM	1	1	20.09	19.92	19.84	21.50
	DFT-s-OFDM 256QAM	1	1	18.04	18.02	17.87	19.50
	CP-OFDM QPSK	1	1	21.14	21.16	21.07	22.50
	CP-OFDM 16QAM	1	1	20.32	20.48	20.31	22.00
	CP-OFDM 64QAM	1	1	18.80	19.00	18.93	20.50
	CP-OFDM 256QAM	1	1	16.05	16.08	15.91	17.50

N26-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		163300	166300	169300	Tune-up power(dBm)
		RB Size	RB offest	816.5	831.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.77	23.81	23.83	25.00
Bandwidth (MHz)	Modulation	Channel		163800	166300	168800	Tune-up power(dBm)
		RB Size	RB offest	819	831.5	844	
10	DFT-s-OFDM BPSK	1	1	23.82	23.92	23.86	25.00
Bandwidth (MHz)	Modulation	Channel		164300	166300	168300	Tune-up power(dBm)
		RB Size	RB offest	821.5	831.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.77	23.71	23.77	25.00
Bandwidth (MHz)	Modulation	Channel		164800	166300	167800	Tune-up power(dBm)
		RB Size	RB offest	824	831.5	839	
20	DFT-s-OFDM BPSK	1	1	23.81	23.75	23.76	25.00
		1	53	23.77	23.77	23.83	25.00
		1	104	23.65	23.65	23.50	25.00
	DFT-s-OFDM BPSK	50	0	23.35	23.34	23.19	24.50
		50	28	23.53	23.67	23.86	25.00
		50	56	23.24	23.19	23.38	24.50
	DFT-s-OFDM BPSK	100	0	23.07	23.17	23.29	24.50
	DFT-s-OFDM QPSK	1	1	23.73	23.78	23.70	25.00
		1	53	23.77	23.78	23.78	25.00
		1	104	23.64	23.61	23.46	25.00
	DFT-s-OFDM QPSK	50	0	22.70	22.90	22.76	24.00
		50	28	23.93	23.91	23.96	25.00
		50	56	22.67	22.60	22.76	24.00
	DFT-s-OFDM QPSK	100	0	22.78	22.81	22.65	24.00
	DFT-s-OFDM 16QAM	1	1	22.96	22.88	23.06	24.00
	DFT-s-OFDM 64QAM	1	1	21.18	21.22	21.13	22.50
	DFT-s-OFDM 256QAM	1	1	19.24	19.33	19.39	20.50
	CP-OFDM QPSK	1	1	22.25	22.29	22.48	23.50
	CP-OFDM 16QAM	1	1	21.63	21.73	21.79	23.00
	CP-OFDM 64QAM	1	1	19.92	20.12	20.27	21.50
	CP-OFDM 256QAM	1	1	17.31	17.19	17.10	18.50

N66-ANT1 Full power							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offest	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	22.58	22.65	22.45	23.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offest	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	22.61	22.67	22.70	23.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offest	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	22.58	22.70	22.79	23.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offest	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	22.60	22.70	22.89	23.50
		1	53	22.49	22.79	22.92	23.50
		1	104	22.37	22.79	22.07	23.50
	DFT-s-OFDM BPSK	50	0	22.39	22.19	22.19	23.00
		50	28	22.80	22.64	22.44	23.50
		50	56	22.33	22.31	22.15	23.00
	DFT-s-OFDM BPSK	100	0	22.20	22.32	22.51	23.00
	DFT-s-OFDM QPSK	1	1	22.59	22.73	22.95	23.50
		1	53	22.49	22.78	23.02	23.50
		1	104	22.46	22.83	22.10	23.50
	DFT-s-OFDM QPSK	50	0	21.81	21.64	21.78	22.50
		50	28	22.67	22.82	22.87	23.50
		50	56	22.02	21.97	22.15	22.50
	DFT-s-OFDM QPSK	100	0	21.70	21.79	21.72	22.50
	DFT-s-OFDM 16QAM	1	1	21.73	21.71	21.79	22.50
	DFT-s-OFDM 64QAM	1	1	20.28	20.31	20.18	21.00
	DFT-s-OFDM 256QAM	1	1	18.41	18.25	18.30	19.00
	CP-OFDM QPSK	1	1	21.28	21.16	21.15	22.00
	CP-OFDM 16QAM	1	1	20.75	20.85	20.72	21.50
	CP-OFDM 64QAM	1	1	18.91	19.10	19.01	20.00
	CP-OFDM 256QAM	1	1	16.08	16.14	16.19	17.00

N71-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		133100	136100	139100	Tune-up power(dBm)
		RB Size	RB offest	665.5	680.5	695.5	
5	DFT-s-OFDM BPSK	1	1	23.95	23.74	23.69	25.00
Bandwidth (MHz)	Modulation	Channel		133600	136100	693	Tune-up power(dBm)
		RB Size	RB offest	668	680.5	138600	
10	DFT-s-OFDM BPSK	1	1	24.06	23.89	23.87	25.00
Bandwidth (MHz)	Modulation	Channel		134100	136100	138100	Tune-up power(dBm)
		RB Size	RB offest	670.5	680.5	690.5	
15	DFT-s-OFDM BPSK	1	1	23.84	23.77	23.78	25.00
Bandwidth (MHz)	Modulation	Channel		134600	136100	137600	Tune-up power(dBm)
		RB Size	RB offest	673	680.5	688	
20	DFT-s-OFDM BPSK	1	1	23.92	23.75	23.87	25.00
		1	53	24.04	23.76	23.80	25.00
		1	104	23.76	23.72	23.62	25.00
	DFT-s-OFDM BPSK	50	0	23.24	23.36	23.48	24.50
		50	28	23.74	23.61	23.81	25.00
		50	56	23.41	23.33	23.15	24.50
	DFT-s-OFDM BPSK	100	0	23.27	23.14	23.13	24.50
	DFT-s-OFDM QPSK	1	1	23.91	23.83	23.80	25.00
		1	53	23.91	23.83	23.84	25.00
		1	104	23.76	23.60	23.65	25.00
	DFT-s-OFDM QPSK	50	0	22.85	22.93	22.78	24.00
		50	28	23.89	23.74	23.93	25.00
		50	56	22.70	22.74	22.92	24.00
	DFT-s-OFDM QPSK	100	0	22.60	22.75	22.63	24.00
	DFT-s-OFDM 16QAM	1	1	22.96	22.90	22.98	24.00
	DFT-s-OFDM 64QAM	1	1	21.36	21.17	21.09	22.50
	DFT-s-OFDM 256QAM	1	1	19.38	19.22	19.20	20.50
	CP-OFDM QPSK	1	1	22.17	22.12	22.32	23.50
	CP-OFDM 16QAM	1	1	21.77	21.81	21.79	23.00
	CP-OFDM 64QAM	1	1	20.37	20.25	20.13	21.50
	CP-OFDM 256QAM	1	1	17.13	17.14	17.34	18.50

N38-ANT0 Full power							
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dBm)
		RB Size	RB offest	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	20.92	20.61	20.63	22.00
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dBm)
		RB Size	RB offest	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	21.02	20.87	20.81	22.00
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dBm)
		RB Size	RB offest	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	21.01	21.00	20.95	22.00
		1	53	21.08	20.93	21.02	22.00
		1	104	20.55	20.42	20.47	22.00
	DFT-s-OFDM BPSK	50	0	20.40	20.57	20.77	21.50
		50	28	21.04	20.93	20.88	22.00
		50	56	19.71	19.86	20.05	21.50
	DFT-s-OFDM BPSK	100	0	20.40	20.48	20.32	21.50
	DFT-s-OFDM QPSK	1	1	21.04	20.98	20.98	22.00
		1	53	21.03	21.08	20.87	22.00
		1	104	20.57	20.48	20.52	22.00
	DFT-s-OFDM QPSK	50	0	20.02	19.84	19.71	21.00
		50	28	21.15	21.19	21.34	22.00
		50	56	19.54	19.43	19.52	21.00
	DFT-s-OFDM QPSK	100	0	19.89	20.05	20.14	21.00
	DFT-s-OFDM 16QAM	1	1	20.07	20.10	20.10	21.00
	DFT-s-OFDM 64QAM	1	1	18.52	18.36	18.47	19.50
	DFT-s-OFDM 256QAM	1	1	16.36	16.56	16.62	17.50
	CP-OFDM QPSK	1	1	18.64	18.84	18.81	20.50
	CP-OFDM 16QAM	1	1	19.03	18.88	18.84	20.00
	CP-OFDM 64QAM	1	1	17.55	17.53	17.43	18.50
	CP-OFDM 256QAM	1	1	14.29	14.42	14.47	15.50

N41-ANT2 Full power									
Bandwidth (MHz)	Modulation	Channel		501204	509898	518598	527298	535998	Tune-up
		RB Size	RB offest	2506.02	2549.49	2592.99	2636.49	2679.99	power(dBm)
20	DFT-s-OFDM BPSK	1	1	22.86	22.99	22.88	23.05	23.58	24.00
Bandwidth (MHz)	Modulation	Channel		501700	510150	518598	527052	535500	Tune-up
		RB Size	RB offest	2508.5	2550.75	2592.99	2635.26	2677.5	power(dBm)
30	DFT-s-OFDM BPSK	1	1	22.79	22.87	22.99	22.97	23.79	24.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.51	2670	power(dBm)
40	DFT-s-OFDM BPSK	1	1	23.06	23.18	22.90	23.23	23.49	24.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	power(dBm)
50	DFT-s-OFDM BPSK	1	1	22.90	23.04	22.86	23.15	23.74	24.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	power(dBm)
60	DFT-s-OFDM BPSK	1	1	23.07	23.14	23.24	23.27	23.62	24.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up
		RB Size	RB offest	2531.01	2562.02	2592.99	2623.99	2655	power(dBm)
70	DFT-s-OFDM BPSK	1	1	22.77	22.91	23.02	23.00	23.36	24.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	power(dBm)
80	DFT-s-OFDM BPSK	1	1	22.84	22.92	23.30	22.97	23.08	24.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	power(dBm)
90	DFT-s-OFDM BPSK	1	1	22.65	22.79	23.38	22.89	23.23	24.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	power(dBm)
100	DFT-s-OFDM BPSK	1	1	22.91	23.04	23.28	23.17	23.53	24.00
		1	137	22.79	22.88	23.33	22.96	23.51	24.00
		1	271	23.40	23.49	23.39	23.51	23.12	24.00
	DFT-s-OFDM BPSK	135	0	22.96	23.08	22.82	23.16	22.84	23.50
		135	69	23.08	23.21	23.20	23.34	23.10	24.00
		135	138	23.14	23.23	22.94	23.29	23.05	23.50
	DFT-s-OFDM BPSK	270	0	22.57	22.71	22.63	22.86	22.49	23.50
	DFT-s-OFDM QPSK	1	1	22.69	22.80	22.92	22.88	23.20	24.00
		1	137	22.70	22.84	22.99	22.96	23.08	24.00
		1	271	23.21	23.27	23.50	23.34	23.57	24.00
	DFT-s-OFDM QPSK	135	0	22.03	22.17	21.96	22.24	22.15	23.00
		135	69	22.71	22.86	22.86	22.92	22.82	24.00
		135	138	22.48	22.57	22.64	22.68	22.81	23.00
	DFT-s-OFDM QPSK	270	0	21.73	21.80	21.79	21.88	21.66	23.00
	DFT-s-OFDM 16QAM	1	1	22.34	22.41	22.28	22.56	22.30	23.00
	DFT-s-OFDM 64QAM	1	1	20.79	20.85	20.84	20.94	20.71	21.50
	DFT-s-OFDM 256QAM	1	1	18.69	18.77	18.80	18.89	18.75	19.50
	CP-OFDM QPSK	1	1	21.91	22.03	21.88	22.15	21.85	22.50
	CP-OFDM 16QAM	1	1	21.26	21.37	21.14	21.45	21.02	22.00
	CP-OFDM 64QAM	1	1	19.66	19.80	19.80	19.85	19.83	20.50
	CP-OFDM 256QAM	1	1	16.64	16.77	16.79	16.82	16.91	17.50

N41-PC2-ANT2 Full power									
Bandwidth (MHz)	Modulation	Channel		501204	509898	518598	527298	535998	Tune-up power(dBm)
		RB Size	RB offest	2506.02	2549.49	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	24.86	24.98	24.94	25.05	25.48	26.00
Bandwidth (MHz)	Modulation	Channel		501700	510150	518598	527052	535500	Tune-up power(dBm)
		RB Size	RB offest	2508.5	2550.75	2592.99	2635.26	2677.5	
30	DFT-s-OFDM BPSK	1	1	24.81	24.91	25.02	25.06	25.65	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dBm)
		RB Size	RB offest	2516.01	2554.5	2592.99	2631.51	2670	
40	DFT-s-OFDM BPSK	1	1	25.06	25.21	25.01	25.27	25.63	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dBm)
		RB Size	RB offest	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	24.88	25.01	24.93	25.07	25.64	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dBm)
		RB Size	RB offest	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	24.95	25.02	25.31	25.12	25.47	26.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dBm)
		RB Size	RB offest	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	24.78	24.86	25.17	24.95	25.23	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dBm)
		RB Size	RB offest	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	24.73	24.85	25.17	24.98	25.12	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dBm)
		RB Size	RB offest	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	24.77	24.89	25.29	25.03	25.32	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dBm)
		RB Size	RB offest	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.88	25.00	25.27	25.10	25.43	26.00
		1	137	24.77	24.85	25.20	24.94	25.45	26.00
		1	271	25.29	25.34	25.49	25.41	25.23	26.00
	DFT-s-OFDM BPSK	135	0	24.73	24.85	24.75	24.90	24.61	25.50
		135	69	25.20	25.29	25.35	25.42	25.52	26.00
		135	138	25.18	25.26	25.06	25.39	25.03	25.50
	DFT-s-OFDM BPSK	270	0	24.58	24.67	24.73	24.78	24.71	25.50
	DFT-s-OFDM QPSK	1	1	24.77	24.91	24.86	25.00	25.21	26.00
		1	137	24.68	24.77	24.80	24.87	25.17	26.00
		1	271	25.30	25.44	25.53	25.58	25.48	26.00
	DFT-s-OFDM QPSK	135	0	24.05	24.16	23.93	24.26	23.88	25.00
		135	69	24.65	24.77	24.82	24.86	24.66	26.00
		135	138	24.76	24.89	24.66	24.97	24.68	25.00
	DFT-s-OFDM QPSK	270	0	23.77	23.90	23.88	24.05	23.97	25.00
	DFT-s-OFDM 16QAM	1	1	24.01	24.14	24.12	24.21	23.93	25.00
	DFT-s-OFDM 64QAM	1	1	22.91	22.97	22.78	23.07	22.98	23.50
	DFT-s-OFDM 256QAM	1	1	20.58	20.73	20.60	20.81	20.47	21.50
	CP-OFDM QPSK	1	1	23.99	24.04	24.08	24.17	24.26	24.50
	CP-OFDM 16QAM	1	1	23.24	23.34	23.14	23.41	22.95	24.00
	CP-OFDM 64QAM	1	1	21.88	22.01	21.68	22.13	21.70	22.50
	CP-OFDM 256QAM	1	1	18.81	18.95	18.69	19.07	18.61	19.50

N77-ANT2 Full power							
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.25	24.08	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offest	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.15	24.00	24.36	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.34	24.03	24.40	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.14	24.05	23.96	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.07	24.19	24.08	25.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offest	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	24.11	/	25.50
		1	137	/	24.15	/	25.50
		1	271	/	23.94	/	25.50
	DFT-s-OFDM BPSK	135	0	/	23.55	/	25.00
		135	69	/	24.26	/	25.50
		135	138	/	23.47	/	25.00
	DFT-s-OFDM BPSK	270	0	/	23.50	/	25.00
	DFT-s-OFDM QPSK	1	1	/	24.02	/	25.50
		1	137	/	23.95	/	25.50
		1	271	/	23.85	/	25.50
	DFT-s-OFDM QPSK	135	0	/	22.96	/	24.50
		135	69	/	23.88	/	25.50
		135	138	/	22.88	/	24.50
	DFT-s-OFDM QPSK	270	0	/	23.07	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.19	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.68	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	19.64	/	21.00
	CP-OFDM QPSK	1	1	/	22.41	/	24.00
	CP-OFDM 16QAM	1	1	/	22.16	/	23.50
	CP-OFDM 64QAM	1	1	/	20.65	/	22.00
	CP-OFDM 256QAM	1	1	/	17.61	/	19.00

N77-ANT2 Full power							
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	24.36	24.45	24.27	25.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offest	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	24.30	24.26	24.46	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	24.58	24.53	24.27	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.58	24.43	24.42	25.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offest	3750	3840	3930	
80	DFT-s-OFDM BPSK	1	1	24.35	24.45	24.40	25.50
		1	109	24.34	24.40	24.35	25.50
		1	215	24.53	24.59	24.52	25.50
	DFT-s-OFDM BPSK	108	0	23.83	23.93	23.83	25.00
		108	55	24.39	24.45	24.37	25.50
		108	109	23.95	24.04	23.94	25.00
	DFT-s-OFDM BPSK	216	0	23.98	24.07	23.98	25.00
	DFT-s-OFDM QPSK	1	1	24.34	24.39	24.34	25.50
		1	109	24.39	24.49	24.42	25.50
		1	215	24.48	24.58	24.52	25.50
	DFT-s-OFDM QPSK	108	0	23.29	23.34	23.28	24.50
		108	55	24.33	24.41	24.31	25.50
		108	109	23.42	23.47	23.41	24.50
	DFT-s-OFDM QPSK	216	0	23.35	23.41	23.36	24.50
	DFT-s-OFDM 16QAM	1	1	23.42	23.49	23.39	24.50
	DFT-s-OFDM 64QAM	1	1	22.00	22.10	22.02	23.00
	DFT-s-OFDM 256QAM	1	1	19.68	19.75	19.68	21.00
	CP-OFDM QPSK	1	1	22.91	23.01	22.91	24.00
	CP-OFDM 16QAM	1	1	22.27	22.37	22.29	23.50
	CP-OFDM 64QAM	1	1	20.97	21.05	20.98	22.00
	CP-OFDM 256QAM	1	1	17.87	17.97	17.88	19.00

N78-ANT2 Full power							
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.36	23.74	23.67	25.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offest	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.23	23.84	23.70	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.41	24.03	23.59	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.99	23.79	23.98	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.16	23.74	24.14	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	24.18	23.71	24.09	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.22	23.68	24.21	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.00	23.70	24.31	25.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offest	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	24.12	/	25.50
		1	137	/	24.18	/	25.50
		1	271	/	23.82	/	25.50
	DFT-s-OFDM BPSK	135	0	/	23.56	/	25.00
		135	69	/	24.13	/	25.50
		135	138	/	23.32	/	25.00
	DFT-s-OFDM BPSK	270	0	/	23.61	/	25.00
	DFT-s-OFDM QPSK	1	1	/	23.96	/	25.50
		1	137	/	24.01	/	25.50
		1	271	/	23.67	/	25.50
	DFT-s-OFDM QPSK	135	0	/	23.10	/	24.50
		135	69	/	23.88	/	25.50
		135	138	/	22.53	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.94	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.02	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.75	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	19.81	/	21.00
	CP-OFDM QPSK	1	1	/	22.39	/	24.00
	CP-OFDM 16QAM	1	1	/	22.04	/	23.50
	CP-OFDM 64QAM	1	1	/	20.49	/	22.00
	CP-OFDM 256QAM	1	1	/	17.77	/	19.00

N78-ANT2 Full power							
Bandwidth (MHz)	Modulation	Channel		647334	656000	652666	Tune-up power(dBm)
		RB Size	RB offest	3710.01	3840	3789.99	
20	DFT-s-OFDM BPSK	1	1	23.69	23.76	23.86	25.50
Bandwidth (MHz)	Modulation	Channel		647668	656000	658333	Tune-up power(dBm)
		RB Size	RB offest	3715.02	3840	3875	
30	DFT-s-OFDM BPSK	1	1	23.58	23.88	23.69	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.54	23.54	23.67	25.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offest	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	23.69	23.85	23.92	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.84	23.57	23.78	25.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offest	3735	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	23.78	23.92	23.91	25.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offest	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.83	23.66	23.56	25.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offest	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	23.57	23.71	23.83	25.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dBm)
		RB Size	RB offest	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	23.73	/	25.50
		1	137	/	23.69	/	25.50
		1	271	/	23.82	/	25.50
	DFT-s-OFDM BPSK	135	0	/	23.31	/	25.00
		135	69	/	23.58	/	25.50
		135	138	/	23.02	/	25.00
	DFT-s-OFDM BPSK	270	0	/	23.20	/	25.00
	DFT-s-OFDM QPSK	1	1	/	23.61	/	25.50
		1	137	/	23.63	/	25.50
		1	271	/	23.57	/	25.50
	DFT-s-OFDM QPSK	135	0	/	22.55	/	24.50
		135	69	/	23.55	/	25.50
		135	138	/	22.54	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.51	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	22.68	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.27	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	19.13	/	21.00
	CP-OFDM QPSK	1	1	/	22.05	/	24.00
	CP-OFDM 16QAM	1	1	/	21.84	/	23.50
	CP-OFDM 64QAM	1	1	/	20.29	/	22.00
	CP-OFDM 256QAM	1	1	/	17.23	/	19.00

8.6 NR ENDC Output Power

N77(ENDC)-ANT2 Full power							
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.27	18.28	18.26	19.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offest	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.01	18.02	18.03	19.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.00	18.18	18.17	19.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.01	18.11	18.10	19.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.30	18.21	18.25	19.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offest	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.27	/	19.50
		1	137	/	18.44	/	19.50
		1	271	/	18.00	/	19.50
	DFT-s-OFDM BPSK	135	0	/	18.53	/	19.50
		135	69	/	18.36	/	19.50
		135	138	/	18.16	/	19.50
	DFT-s-OFDM BPSK	270	0	/	18.34	/	19.50
	DFT-s-OFDM QPSK	1	1	/	18.67	/	19.50
		1	137	/	18.35	/	19.50
		1	271	/	18.03	/	19.50
	DFT-s-OFDM QPSK	135	0	/	18.53	/	19.50
		135	69	/	18.33	/	19.50
		135	138	/	18.22	/	19.50
	DFT-s-OFDM QPSK	270	0	/	18.32	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.61	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	18.89	/	19.50
	DFT-s-OFDM 256QAM	1	1	/	17.87	/	19.50
	CP-OFDM QPSK	1	1	/	18.60	/	19.50
	CP-OFDM 16QAM	1	1	/	18.73	/	19.50
	CP-OFDM 64QAM	1	1	/	18.86	/	19.50
	CP-OFDM 256QAM	1	1	/	17.51	/	19.00

N77(ENDC)-ANT2 Full power							
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offest	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	18.10	17.99	17.97	19.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offest	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	17.97	18.05	18.12	19.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offest	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	17.87	17.93	17.81	19.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offest	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	17.92	18.04	17.89	19.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offest	3750	3840	3930	
80	DFT-s-OFDM BPSK	1	1	18.00	18.05	17.97	19.50
		1	109	17.92	17.99	17.90	19.50
		1	215	17.73	17.83	17.76	19.50
	DFT-s-OFDM BPSK	108	0	17.99	18.08	17.98	19.50
		108	55	18.06	18.12	18.07	19.50
		108	109	17.79	17.88	17.80	19.50
	DFT-s-OFDM BPSK	216	0	17.70	17.80	17.70	19.50
	DFT-s-OFDM QPSK	1	1	17.79	17.85	17.80	19.50
		1	109	17.73	17.83	17.76	19.50
		1	215	17.85	17.92	17.86	19.50
	DFT-s-OFDM QPSK	108	0	17.81	17.88	17.79	19.50
		108	55	17.91	17.99	17.92	19.50
		108	109	17.88	17.93	17.83	19.50
	DFT-s-OFDM QPSK	216	0	17.81	17.86	17.77	19.50
	DFT-s-OFDM 16QAM	1	1	18.04	18.09	18.00	19.50
	DFT-s-OFDM 64QAM	1	1	17.87	17.92	17.82	19.50
	DFT-s-OFDM 256QAM	1	1	17.97	18.07	17.98	19.50
	CP-OFDM QPSK	1	1	17.98	18.04	17.95	19.50
	CP-OFDM 16QAM	1	1	17.84	17.92	17.85	19.50
	CP-OFDM 64QAM	1	1	18.04	18.13	18.07	19.50
	CP-OFDM 256QAM	1	1	17.29	17.36	17.30	19.00

N78(ENDC)-ANT2 Full power							
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offest	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.10	18.01	18.17	19.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offest	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.24	18.30	18.30	19.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offest	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.38	18.17	18.00	19.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offest	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.13	18.36	18.40	19.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offest	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.35	18.17	18.19	19.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offest	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	18.26	18.06	18.04	19.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offest	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.05	18.18	18.39	19.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offest	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	18.17	18.21	18.26	19.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offest	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.11	/	19.50
		1	137	/	18.12	/	19.50
		1	271	/	18.36	/	19.50
	DFT-s-OFDM BPSK	135	0	/	18.23	/	19.50
		135	69	/	18.03	/	19.50
		135	138	/	18.00	/	19.50
	DFT-s-OFDM BPSK	270	0	/	18.09	/	19.50
	DFT-s-OFDM QPSK	1	1	/	18.03	/	19.50
		1	137	/	18.07	/	19.50
		1	271	/	18.21	/	19.50
	DFT-s-OFDM QPSK	135	0	/	18.00	/	19.50
		135	69	/	18.30	/	19.50
		135	138	/	18.23	/	19.50
	DFT-s-OFDM QPSK	270	0	/	18.02	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.06	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	18.13	/	19.50
	DFT-s-OFDM 256QAM	1	1	/	18.36	/	19.50
	CP-OFDM QPSK	1	1	/	18.33	/	19.50
	CP-OFDM 16QAM	1	1	/	18.12	/	19.50
	CP-OFDM 64QAM	1	1	/	18.33	/	19.50
	CP-OFDM 256QAM	1	1	/	17.69	/	19.00

N78(ENDC)-ANT2 Full power							
Bandwidth (MHz)	Modulation	Channel		647334	656000	652666	Tune-up
		RB Size	RB offest	3710.01	3840	3789.99	power(dBm)
20	DFT-s-OFDM BPSK	1	1	17.55	17.52	17.75	19.50
Bandwidth (MHz)	Modulation	Channel		647668	656000	658333	Tune-up
		RB Size	RB offest	3715.02	3840	3875	power(dBm)
30	DFT-s-OFDM BPSK	1	1	17.60	17.75	17.52	19.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up
		RB Size	RB offest	3720	3840	3960	power(dBm)
40	DFT-s-OFDM BPSK	1	1	17.64	17.60	17.63	19.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up
		RB Size	RB offest	3725.01	3840	3954.99	power(dBm)
50	DFT-s-OFDM BPSK	1	1	17.64	17.62	17.71	19.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up
		RB Size	RB offest	3730.02	3840	3949.98	power(dBm)
60	DFT-s-OFDM BPSK	1	1	17.55	17.70	17.71	19.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up
		RB Size	RB offest	3735	3840	3944.99	power(dBm)
70	DFT-s-OFDM BPSK	1	1	17.51	17.65	17.56	19.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up
		RB Size	RB offest	3740.01	3840	3939.99	power(dBm)
80	DFT-s-OFDM BPSK	1	1	17.75	17.58	17.56	19.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up
		RB Size	RB offest	3745.02	3840	3934.98	power(dBm)
90	DFT-s-OFDM BPSK	1	1	17.70	17.60	17.60	19.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up
		RB Size	RB offest	/	3750	/	power(dBm)
100	DFT-s-OFDM BPSK	1	1	/	17.56	/	19.50
		1	137	/	17.65	/	19.50
		1	271	/	17.58	/	19.50
	DFT-s-OFDM BPSK	135	0	/	17.71	/	19.50
		135	69	/	17.73	/	19.50
		135	138	/	17.66	/	19.50
	DFT-s-OFDM BPSK	270	0	/	17.61	/	19.50
	DFT-s-OFDM QPSK	1	1	/	17.70	/	19.50
		1	137	/	17.56	/	19.50
		1	271	/	17.64	/	19.50
	DFT-s-OFDM QPSK	135	0	/	17.74	/	19.50
		135	69	/	17.71	/	19.50
		135	138	/	17.74	/	19.50
	DFT-s-OFDM QPSK	270	0	/	17.62	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	17.68	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	17.60	/	19.50
	DFT-s-OFDM 256QAM	1	1	/	17.71	/	19.50
	CP-OFDM QPSK	1	1	/	17.56	/	19.50
	CP-OFDM 16QAM	1	1	/	17.59	/	19.50
	CP-OFDM 64QAM	1	1	/	17.56	/	19.50
	CP-OFDM 256QAM	1	1	/	17.46	/	19.00

8.7 WIFI Output Power

WIFI2.4G-Full Power												
	Mode	Channal	Frequency (MHz)	AV power			Tune up			SAR Test-WIFI 0	SAR Test-WIFI 1	SAR Test-MIMO
				WIFI 0	WIFI 1	MIMO	WIFI 0	WIFI 1	MIMO			
2.4G	11b	1	2412	**17.04**	15.91	19.52	18.00	17.50	21.00	Yes	Yes	Yes
		6	2437	16.92	17.11	20.03	18.00	18.00	21.00	Yes	Yes	Yes
		11	2462	16.29	**17.52**	19.96	18.00	18.00	21.00	Yes	Yes	Yes
	11g	1	2412	12.05	11.02	14.58	12.50	12.50	15.00	No	No	No
		6	2437	16.21	16.48	19.36	18.00	18.00	20.00	No	No	No
		11	2462	15.94	16.65	19.32	17.50	17.50	20.00	No	No	No
	11n20	1	2412	16.01	14.92	18.51	18.00	16.50	19.00	No	No	No
		6	2437	11.75	16.09	17.45	12.00	18.00	18.00	No	No	No
		11	2462	15.63	16.34	19.01	17.50	18.00	20.00	No	No	No
	11n40	3	2422	15.84	15.59	18.73	17.50	17.50	19.00	No	No	No
		6	2437	15.67	16.19	18.95	17.50	18.00	19.00	No	No	No
		9	2452	16.59	16.15	19.39	18.00	18.00	20.00	No	No	No
	11ax20	1	2412	15.13	13.83	17.54	17.00	15.50	18.00	No	No	No
		6	2437	15.04	14.85	17.96	17.00	16.50	18.00	No	No	No
		11	2462	14.76	15.18	17.99	16.50	17.00	18.00	No	No	No
	11ax40	3	2422	14.31	13.81	17.08	16.00	15.50	18.00	No	No	No
		6	2437	14.21	14.30	17.27	16.00	16.00	18.00	No	No	No
		9	2452	15.18	14.42	17.83	17.00	16.00	18.00	No	No	No
	11ax20(RU26)	1	2412	8.40	8.88	11.66	9.00	9.00	12.00	No	No	No
		6	2437	7.56	8.11	10.85	8.00	9.00	11.00	No	No	No
		11	2462	9.18	7.99	11.64	10.00	8.00	12.00	No	No	No
	11ax20(RU52)	1	2412	13.43	13.56	16.51	14.00	14.00	17.00	No	No	No
		6	2437	12.42	13.12	15.79	13.00	14.00	16.00	No	No	No
		11	2462	9.99	12.60	14.50	10.00	13.00	15.00	No	No	No
	11ax20(RU106)	1	2412	13.17	13.42	16.31	14.00	14.00	17.00	No	No	No
		6	2437	12.06	12.95	15.54	13.00	13.00	16.00	No	No	No
		11	2462	13.85	12.62	16.29	14.00	13.00	17.00	No	No	No
	11ax20(RU242)	1	2412	13.45	13.49	16.48	14.00	14.00	17.00	No	No	No
		6	2437	14.06	13.25	16.68	15.00	14.00	17.00	No	No	No
		11	2462	14.35	13.00	16.74	15.00	13.00	17.00	No	No	No
	11ax40(RU484)	3	2422	14.32	14.85	17.60	15.00	15.00	18.00	No	No	No
		6	2437	14.46	14.83	17.66	15.00	15.00	18.00	No	No	No
		9	2452	14.90	15.48	18.21	15.00	16.00	19.00	No	No	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(WIFI ANT0) =0.185* (63.10mW/63.10mW) = 0.185W/Kg, so 2.4G OFDM SAR test is not required.
Adjusted SAR(WIFI ANT1) =0.196* (63.10mW/63.10mW) = 0.196W/Kg, so 2.4G OFDM SAR test is not required.
Adjusted SAR(WIFI ANT MIMO) =0.191* (100mW/125.89mW) = 0.152W/Kg, so 2.4G OFDM SAR test is not required.

WIFI5G-Full Power												
	Mode	Channal	Frequency (MHz)	AV power			Tune up			SAR Test-WIFI 0	SAR Test-WIFI 1	SAR Test-MIMO
				WIFI 0	WIFI 1	MIMO	WIFI 0	WIFI 1	MIMO			
5.2G	11a	36	5180	14.45	13.67	17.09	16.00	15.00	18.00	No	No	No
		44	5220	14.20	14.47	17.35	16.00	16.00	18.00	No	No	No
		48	5240	14.31	15.43	17.92	16.00	16.00	18.00	No	No	No
	11n20	36	5180	14.57	13.86	17.24	15.00	14.00	18.00	No	No	No
		44	5220	14.34	14.67	17.52	15.00	15.00	18.00	No	No	No
		48	5240	14.43	15.56	18.04	15.00	16.00	19.00	No	No	No
	11n40	38	5190	13.89	13.26	16.60	14.00	14.00	17.00	No	No	No
		46	5230	13.61	14.30	16.98	14.00	15.00	17.00	No	No	No
	11ac20	36	5180	13.53	12.76	16.17	14.00	13.00	17.00	No	No	No
		44	5220	13.25	13.55	16.41	14.00	14.00	17.00	No	No	No
		48	5240	13.95	15.10	17.57	14.00	16.00	18.00	No	No	No
	11ac40	38	5190	13.92	13.24	16.60	14.00	14.00	17.00	No	No	No
		46	5230	13.65	14.27	16.98	14.00	15.00	17.00	No	No	No
	11ac80	42	5210	12.72	12.76	15.75	13.00	13.00	16.00	No	No	No
	11ac160	50	5250	11.75	13.22	15.56	12.00	14.00	16.00	No	No	No
	11ax20	36	5180	13.69	12.82	16.29	14.00	13.00	17.00	No	No	No
		44	5220	14.00	14.26	17.14	14.00	15.00	18.00	No	No	No
		48	5240	14.10	15.18	17.68	15.00	16.00	18.00	No	No	No
	11ax40	38	5190	13.02	12.43	15.75	14.00	13.00	16.00	No	No	No
		46	5230	12.72	13.40	16.08	13.00	14.00	17.00	No	No	No
	11ax80	42	5210	13.09	13.24	16.18	14.00	14.00	17.00	No	No	No
	11ax160	50	5250	12.17	13.74	16.04	13.00	14.00	17.00	No	No	No
	11ax20(RU26)	36	5180	8.73	9.46	12.12	9.00	10.00	13.00	No	No	No
		44	5220	9.95	9.42	12.70	10.00	10.00	13.00	No	No	No
		48	5240	9.99	9.41	12.72	10.00	10.00	13.00	No	No	No
	11ax20(RU52)	36	5180	11.45	12.08	14.79	12.00	13.00	15.00	No	No	No
		44	5220	12.58	11.81	15.22	13.00	12.00	16.00	No	No	No
		48	5240	12.63	11.90	15.29	13.00	12.00	16.00	No	No	No
	11ax20(RU242)	36	5180	15.18	15.93	18.58	16.00	16.00	19.00	No	No	No
		44	5220	16.18	15.64	18.93	17.00	16.00	19.00	No	No	No
		48	5240	16.31	15.12	18.77	17.00	16.00	19.00	No	No	No
	11ax20(RU106)	36	5180	16.70	17.35	20.05	17.00	18.00	20.50	No	No	No
		44	5220	17.35	17.05	20.21	18.00	18.00	20.50	No	No	No
		48	5240	17.31	16.64	20.00	18.00	17.00	20.50	No	No	No
	11ax40(RU484)	38	5190	16.86	17.33	20.11	17.00	18.00	20.50	No	No	No
		46	5230	17.49	17.15	20.33	18.00	18.00	20.50	No	No	No
	11ax80(RU996)	42	5210	17.11	17.13	20.13	18.00	18.00	20.50	No	No	No
	11ax160(RU996*2)	50	5250	17.65	17.01	20.35	18.00	17.50	20.50	No	No	No
5.3G	11a	52	5260	13.90	15.82	17.98	14.00	16.00	18.00	No	No	No
		60	5300	13.73	16.50	18.34	14.00	17.00	19.00	No	No	No
		64	5320	13.92	17.17	18.85	14.00	17.50	19.00	No	No	No
	11n20	52	5260	14.05	16.13	18.22	15.00	17.00	19.00	No	Yes	No
		60	5300	13.80	17.02	18.71	14.00	18.00	19.00	No	Yes	No
		64	5320	14.01	**17.73**	19.27	15.00	18.00	20.00	No	Yes	No
	11n40	54	5270	14.18	16.98	18.81	15.00	17.50	19.00	No	No	No
		62	5310	14.11	17.57	19.19	15.00	17.80	20.00	No	No	No
	11ac20	52	5260	14.11	16.18	18.28	15.00	17.00	19.00	No	No	No
		60	5300	13.87	17.04	18.75	14.00	17.50	19.00	No	No	No
		64	5320	14.04	17.72	19.27	15.00	18.00	20.00	No	No	No
	11ac40	54	5270	14.21	16.96	18.81	15.00	17.00	19.00	No	No	No
		62	5310	14.19	17.58	19.22	15.00	17.70	20.00	No	No	No
	11ac80	58	5290	13.76	16.88	18.60	14.00	17.00	19.00	No	No	No
	11ax20	52	5260	13.83	15.86	17.97	14.00	16.00	18.00	No	No	No
		60	5300	14.08	17.06	18.83	15.00	17.50	19.00	No	No	No
		64	5320	13.85	17.41	19.00	14.00	18.00	19.00	No	No	No
	11ax40	54	5270	13.93	16.45	18.38	14.00	17.00	19.00	No	No	No
		62	5310	13.90	17.08	18.79	14.00	17.50	19.00	No	No	No
	11ax80	58	5290	14.17	17.12	18.90	14.50	17.50	19.00	No	No	No
	11ax20(RU26)	52	5260	10.41	8.71	12.65	11.00	9.00	13.00	No	No	No
		60	5300	10.82	8.28	12.74	11.00	9.00	13.00	No	No	No
		64	5320	10.58	8.38	12.63	11.00	9.00	13.00	No	No	No
	11ax20(RU52)	52	5260	12.95	11.17	15.16	13.00	12.00	16.00	No	No	No
		60	5300	13.49	10.62	15.30	14.00	11.00	16.00	No	No	No
		64	5320	13.33	10.85	15.27	14.00	11.00	16.00	No	No	No
	11ax20(RU106)	52	5260	16.55	15.03	18.87	17.00	16.00	19.00	No	No	No
		60	5300	17.02	14.45	18.93	18.00	15.00	19.00	No	No	No
		64	5320	16.98	14.26	18.84	17.00	15.00	19.00	No	No	No
	11ax20(RU242)	52	5260	17.14	16.36	19.78	18.00	17.00	20.00	No	No	No
		60	5300	17.69	15.90	19.90	18.00	16.00	20.00	No	No	No
		64	5320	17.52	15.77	19.74	18.00	16.00	20.00	No	No	No
	11ax40(RU484)	54	5270	17.41	16.42	19.95	18.00	17.00	20.00	No	No	No
		62	5310	17.71	16.03	19.96	18.00	17.00	20.00	No	No	No
	11ax80(RU996)	58	5290	**17.51**	15.94	**19.81**	18.00	16.00	20.50	Yes	No	Yes
5.6G	11a	100	5500	16.46	15.16	18.87	17.00	16.00	19.50	No	No	No
		116	5580	16.22	13.44	18.06	17.00	14.00	19.50	No	No	No
		140	5700	15.87	16.09	18.99	17.00	17.00	19.50	No	No	No
	11n20	100	5500	16.05	14.85	18.50	17.00	15.00	19.00	No	No	No
		116	5580	15.89	13.22	17.77	17.00	14.00	18.00	No	No	No
		140	5700	16.11	16.30	19.22	17.00	17.00	19.50	No	No	No
	11n40	102	5510	14.89	13.79	17.39	15.00	14.00	18.00	No	No	No
		110	5550	14.82	11.90	16.61	15.00	12.00	17.00	No	No	No
		134	5670	14.94	13.60	17.33	15.00	14.00	18.00	No	No	No
	11ac20	100	5500	15.96	14.82	18.44	17.00	15.00	19.00	No	No	No
		116	5580	15.80	13.19	17.70	17.00	14.00	18.00	No	No	No
		140	5700	16.04	16.25	19.16	17.00	17.00	19.50	No	No	No
	11ac40	102	5510	14.85	12.66	16.90	15.00	13.00	17.00	No	No	No
		110	5550	14.85	11.27	16.43	15.00	12.00	17.00	No	No	No
		134	5670	14.88	13.26	17.16	15.00	14.00	18.00	No	No	No
	11ac80	106	5530	15.14	12.02	16.86	17.00	13.00	17.00	No	No	No
		122	5610	15.04	11.27	16.56	17.00	12.00	17.00	No	No	No
	11ac160	114	5570	13.16	9.73	14.79	14.00	10.00	15.00	No	No	No
	11ax20	100	5500	16.03	13.85	18.09	17.00	14.00	19.00	No	No	No
		116	5580	16.06	12.71	17.71	17.00	13.00	18.00	No	No	No
		140	5700	16.04	15.29	18.69	17.00	16.00	19.00	No	No	No
	11ax40	102	5510	15.14	12.83	17.15	16.00	13.00	18.00	No	No	No
		110	5550	14.92	11.47	16.54	15.00	12.00	17.00	No	No	No
		134	5670	15.16	13.15	17.28	16.00	14.00	18.00	No	No	No
	11ax80	106	5530	14.98	11.97	16.74	15.00	12.00	17.00	No	No	No
		122	5610	14.83	11.17	16.38	15.00	12.00	17.00	No	No	No
	11ax160	114	5570	12.83	11.24	15.12	13.00	12.00	16.00	No	No	No
	11ax20(RU26)	100	5500	9.19	9.44	12.33	10.00	10.00	13.00	No	No	No
		116	5580	8.76	10.11	12.50	9.00	11.00	13.00	No	No	No
		140	5700	10.30	8.83	12.64	11.00	9.00	13.00	No	No	No
	11ax20(RU52)	100	5500	11.84	11.93	14.90	12.00	12.00	15.00	No	No	No
		116	5580	11.27	12.73	15.07	12.00	13.00	16.00	No	No	No
		140	5700	12.62	11.20	14.98	13.00	12.00	15.00	No	No	No
	11ax20(RU106)	100	5500	15.40	15.76	18.59	16.00	16.00	19.00	No	No	No
		116	5580	14.92	16.37	18.72	15.00	17.00	19.00	No	No	No
		140	5700	16.11	14.68	18.46	17.00	15.00	19.00	No	No	No
	11ax20(RU242)	100	5500	16.49	17.25	19.90	17.00	18.00	20.00	No	No	No
		116	5580	16.31	17.37	19.88	17.00	18.00	20.00	No	No	No
		140	5700	16.85	16.10	19.50	17.00	17.00	20.00	No	No	No
	11ax40(RU484)	102	5510	16.62	17.56	20.13	17.00	18.00	21.00	No	No	No
		110	5550	16.21	17.35	19.83	17.00	18.00	20.00	No	No	No
		134	5670	15.75	16.46	19.13	16.00	17.00	20.00	No	No	No
	11ax80(RU996)	106	5530	15.94	17.92	20.05	16.00	18.00	21.00	No	No	No
		122	5610	15.76	16.90	19.38	16.00	17.00	20.00	No	No	No
	11ax160(RU996*2)	114	5570	**16.96**	**17.96**	**20.50**	18.50	18.50	21.50	Yes	Yes	Yes
5.8G	11a	149	5745	16.02	14.23	18.23	16.50	15.00	19.00	No	No	No
		157	5785	16.10	14.87	18.54	16.50	16.50	19.00	No	No	No
		165	5825	15.89	15.72	18.82	16.50	16.50	19.00	No	No	No
	11n20	149	5745	16.07	14.44	18.34	16.50	15.00	19.00	No	No	No
		157	5785	15.72	14.68	18.24	16.50	16.50	19.00	No	No	No
		165	5825	15.77	15.55	18.67	16.50	16.50	19.00	No	No	No
	11n40	151	5755	15.18	13.74	17.53	16.00	14.00	18.00	No	No	No
		159	5795	14.85	14.47	17.67	15.00	15.00	18.00	No	No	No
	11ac20	149	5745	16.02	14.46	18.32	16.50	15.00	19.00	No	No	No
		157	5785	15.72	14.75	18.27	16.00	16.50	19.00	No	No	No
		165	5825	15.79	15.53	18.67	16.00	16.50	19.00	No	No	No
	11ac40	151	5755	15.20	14.45	17.85	16.00	15.00	18.00	No	No	No
		159	5795	14.84	15.02	17.94	16.50	16.00	18.00	No	No	No
	11ac80	155	5775	13.93	13.91	16.93	14.00	14.00	17.00	No	No	No
	11ax20	149	5745	15.62	13.72	17.78	16.00	14.00	18.00	No	No	No
		157	5785	15.50	14.14	17.88	16.00	15.00	18.00	No	No	No
		165	5825	15.80	14.91	18.39	16.00	15.00	19.00	No	No	No
	11ax40	151	5755	15.17	14.33	17.78	16.00	15.00	18.00	No	No	No
		159	5795	14.95	14.90	17.94	15.00	15.00	18.00	No	No	No
	11ax80	155	5775	13.82	13.96	16.90	14.00	14.00	17.00	No	No	No
	11ax20(RU26)	149	5745	10.88	8.18	12.75	11.00	9.00	13.00	No	No	No
		157	5785	11.04	7.23	12.55	12.00	8.00	13.00	No	No	No
		165	5825	10.81	7.66	12.52	11.00	8.00	13.00	No	No	No
	11ax20(RU52)	149	5745	13.08	10.41	14.96	14.00	11.00	15.00	No	No	No
		157	5785	14.13	10.57	15.72	15.00	11.00	16.00	No	No	No
		165	5825	13.85	10.97	15.65	14.00	11.00	16.00	No	No	No
	11ax20(RU106)	149	5745	16.33	14.32	18.45	17.00	15.00	19.00	No	No	No
		157	5785	16.98	14.51	18.93	17.00	15.00	19.00	No	No	No
		165	5825	16.70	14.07	18.59	17.00	15.00	19.00	No	No	No
	11ax20(RU242)	149	5745	17.18	15.67	19.50	18.00	16.00	20.00	No	No	No
		157	5785	17.16	15.60	19.47	18.00	16.00	20.00	No	No	No
		165	5825	17.22	15.30	19.38	18.00	16.00	20.00	No	No	No
	11ax40(RU484)	151	5755	17.22	15.67	19.52	18.00	16.00	20.00	No	No	No
		159	5795	17.58	15.80	19.79	18.00	16.00	20.00	No	No	No
	11ax80(RU996)	155	5775	**17.25**	**15.56**	**19.50**	18.00	17.00	20.00	Yes	Yes	Yes

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 then 802.11ac,and 802.11ac chosen over 802.11ax.

WIFI6G-Full Power												
	Mode	Channal	Frequency (MHz)	AV power (dBm)			Tune up (dBm)			SAR Test-WIFI 0	SAR Test-WIFI 1	SAR Test-MIMO
				WIFI 0	WIFI 1	MIMO	WIFI 0	WIFI 1	MIMO			
U-NII-5	11ax20	1	5955	4.25	3.40	6.86	5.00	4.00	7.00	No	No	No
		45	6175	3.80	4.64	7.25	4.00	5.00	8.00	No	No	No
		93	6415	3.84	3.18	6.53	4.00	4.00	7.00	No	No	No
		97	6435	4.45	2.68	6.66	5.00	3.00	7.00	No	No	No
		105	6475	3.70	1.00	5.57	4.00	1.00	6.00	No	No	No
		113	6515	3.75	0.77	5.52	4.00	1.00	6.00	No	No	No
		117	6535	3.79	0.85	5.57	4.00	1.00	6.00	No	No	No
		149	6695	3.54	1.40	5.61	4.00	2.00	6.00	No	No	No
		181	6855	3.17	4.00	6.62	4.00	4.00	7.00	No	No	No
		185	6875	3.38	4.21	6.83	4.00	5.00	7.00	No	No	No
		209	6995	4.01	4.21	7.12	5.00	4.00	8.00	No	No	No
		233	7115	4.06	4.24	7.16	5.00	4.00	8.00	No	No	No
	11ax40	3	5965	6.89	6.43	9.68	7.00	7.00	10.00	No	No	No
		43	6165	6.90	6.26	9.60	7.00	7.00	10.00	No	No	No
		91	6405	6.41	5.74	9.10	7.00	6.00	10.00	No	No	No
		99	6445	7.60	4.54	9.34	8.00	5.00	10.00	No	No	No
		107	6485	7.38	3.78	8.95	8.00	4.00	9.00	No	No	No
		115	6525	7.50	4.43	9.02	8.00	4.00	10.00	No	No	No
		147	6685	6.78	3.98	8.61	7.00	4.00	9.00	No	No	No
		179	6845	6.79	6.35	9.59	7.00	7.00	10.00	No	No	No
		187	6885	6.51	6.84	9.69	7.00	7.00	10.00	No	No	No
		211	7005	7.00	6.35	9.70	7.00	6.00	10.00	No	No	No
		227	7085	6.45	5.68	9.09	7.00	5.00	10.00	No	No	No
	11ax80	7	5985	10.05	10.03	13.05	11.00	11.00	14.00	Yes	Yes	Yes
		39	6145	8.97	7.82	11.44	10.50	9.50	12.00	No	No	No
		87	6385	9.75	9.10	12.45	11.00	11.00	13.00	Yes	Yes	Yes
		103	6465	10.36	7.08	12.03	11.00	9.00	13.00	Yes	Yes	Yes
		119	6545	**10.45**	7.04	11.88	11.00	9.00	12.00	Yes	Yes	Yes
		135	6625	10.28	6.65	11.84	11.00	8.00	12.00	Yes	No	Yes
		151	6705	8.98	7.28	11.22	10.50	9.00	11.50	No	Yes	No
		167	6785	8.14	7.28	10.74	10.50	9.00	11.00	No	No	No
		183	6865	9.25	10.52	12.94	10.00	11.00	13.00	No	No	No
		199	6945	9.62	**10.84**	**13.28**	11.00	11.00	14.00	Yes	Yes	Yes
		215	7025	9.75	9.07	12.43	11.00	11.00	14.00	Yes	Yes	Yes
	11ax20(RU26)	1	5955	-4.15	-7.56	-2.52	11.00	11.00	-2.00	No	No	No
		45	6175	-5.03	-3.87	-1.40	-5.00	-3.00	-1.00	No	No	No
		93	6415	-5.26	-4.56	-1.89	-5.00	-4.00	-1.00	No	No	No
		97	6435	-5.21	-5.02	-2.10	-5.00	-5.00	-2.00	No	No	No
		105	6475	-5.69	-5.24	-2.45	-5.00	-5.00	-2.00	No	No	No
		113	6515	-6.92	-3.09	-1.59	-6.00	-3.00	-1.00	No	No	No
		117	6535	-5.87	-3.77	-1.68	-5.00	-3.00	-1.00	No	No	No
		149	6695	-6.74	-2.99	-1.46	-6.00	-2.00	-1.00	No	No	No
		181	6855	-4.13	-7.01	-2.33	-4.00	-7.00	-2.00	No	No	No
		149	5745	-3.28	-6.00	-1.42	-3.00	-6.00	-1.00	No	No	No
		157	5785	-3.67	-3.92	-0.78	-3.00	-3.00	0.00	No	No	No
		165	5825	-5.88	-3.16	-1.30	-5.00	-3.00	-1.00	No	No	No
	11ax20(RU52)	1	5955	-1.60	-4.58	0.17	-1.00	-4.00	1.00	No	No	No
		45	6175	-2.78	-1.09	1.16	-2.00	-1.00	2.00	No	No	No
		93	6415	-2.57	-1.45	1.04	-2.00	-1.00	2.00	No	No	No
		97	6435	-1.76	-2.56	0.87	-1.00	-2.00	1.00	No	No	No
		105	6475	-2.18	-2.59	0.63	-2.00	-2.00	1.00	No	No	No
		113	6515	-3.36	-0.99	1.00	-3.00	0.00	1.00	No	No	No
		117	6535	-2.64	-0.74	1.42	-2.00	0.00	2.00	No	No	No
		149	6695	-4.62	-0.64	0.82	-4.00	0.00	1.00	No	No	No
		181	6855	-1.37	-4.08	0.49	-1.00	-4.00	1.00	No	No	No
		149	5745	-0.35	-3.69	1.30	0.00	-3.00	2.00	No	No	No
		157	5785	-0.58	-1.74	1.89	0.00	-1.00	2.00	No	No	No
		165	5825	-5.17	-1.36	0.15	-5.00	-1.00	1.00	No	No	No
	11ax20(RU106)	1	5955	1.58	-0.08	3.84	2.00	0.00	4.00	No	No	No
		45	6175	0.61	1.77	4.24	1.00	2.00	5.00	No	No	No
		93	6415	-1.19	0.21	2.58	-1.00	1.00	3.00	No	No	No
		97	6435	0.24	0.73	3.50	1.00	1.00	4.00	No	No	No
		105	6475	-0.59	0.66	3.09	0.00	1.00	4.00	No	No	No
		113	6515	-2.76	-0.16	1.74	-2.00	0.00	2.00	No	No	No
		117	6535	-2.40	0.30	2.17	-2.00	1.00	3.00	No	No	No
		149	6695	0.22	2.09	4.27	1.00	3.00	5.00	No	No	No
		181	6855	-0.79	-3.64	1.03	0.00	-3.00	2.00	No	No	No
		149	5745	-0.83	-3.52	1.04	0.00	-3.00	2.00	No	No	No
		157	5785	2.18	1.66	4.94	3.00	2.00	5.00	No	No	No
		165	5825	1.13	2.39	4.82	2.00	3.00	5.00	No	No	No
	11ax20(RU242)	1	5955	4.49	2.60	6.66	5.00	3.00	7.00	No	No	No
		45	6175	3.34	5.09	7.31	4.00	6.00	8.00	No	No	No
		93	6415	4.60	4.04	7.34	5.00	5.00	8.00	No	No	No
		97	6435	4.20	3.59	6.92	5.00	4.00	7.00	No	No	No
		105	6475	3.52	4.18	6.87	4.00	5.00	7.00	No	No	No
		113	6515	3.32	4.94	7.22	4.00	5.00	8.00	No	No	No
		117	6535	4.16	6.06	8.22	5.00	7.00	9.00	No	No	No
		149	6695	2.50	4.62	6.70	3.00	5.00	7.00	No	No	No
		181	6855	5.32	1.98	6.97	6.00	2.00	7.00	No	No	No
		149	5745	5.72	2.56	7.43	6.00	3.00	8.00	No	No	No
		157	5785	5.53	4.96	8.26	6.00	5.00	9.00	No	No	No
		165	5825	4.30	5.18	7.77	5.00	6.00	8.00	No	No	No
	11ax40(RU484)	3	5965	7.32	5.49	9.51	8.00	6.00	10.00	No	No	No
		43	6165	6.25	7.90	10.16	7.00	8.00	11.00	No	No	No
		91	6405	7.68	6.53	10.15	8.00	7.00	11.00	No	No	No
		99	6445	6.86	6.57	9.73	7.00	7.00	10.00	No	No	No
		107	6485	6.84	7.76	10.33	7.00	8.00	11.00	No	No	No
		115	6525	6.11	7.83	10.01	7.00	8.00	11.00	No	No	No
		147	6685	6.63	9.15	11.08	7.00	10.00	12.00	No	No	No
		179	6845	9.03	6.04	10.80	10.00	7.00	11.00	No	No	No
		187	6885	9.85	6.88	11.62	10.00	7.00	12.00	No	No	No
		211	7005	8.53	10.14	12.42	9.00	11.00	13.00	No	No	No
		227	7085	7.47	9.00	11.31	8.00	9.00	12.00	No	No	No
	11ax80(RU996)	7	5985	9.85	8.50	12.24	10.00	9.00	13.00	No	No	No
		39	6145	7.01	9.33	11.33	8.00	10.00	12.00	No	No	No
		87	6385	8.59	8.32	11.47	9.00	9.00	12.00	No	No	No
		103	6465	7.55	9.15	11.43	8.00	10.00	12.00	No	No	No
		119	6545	6.32	10.25	11.73	7.00	11.00	12.00	No	No	No
		135	6625	4.57	9.27	10.54	6.00	10.00	11.00	No	No	No
		151	6705	5.97	8.00	10.11	7.00	8.50	11.00	No	No	No
		167	6785	8.11	6.41	10.35	9.00	7.00	11.00	No	No	No
		183	6865	10.21	6.60	11.78	11.00	7.00	12.00	No	No	No
		199	6945	9.08	8.87	11.99	10.00	9.00	12.00	No	No	No
		215	7025	8.27	9.95	12.20	9.00	10.00	13.00	No	No	No

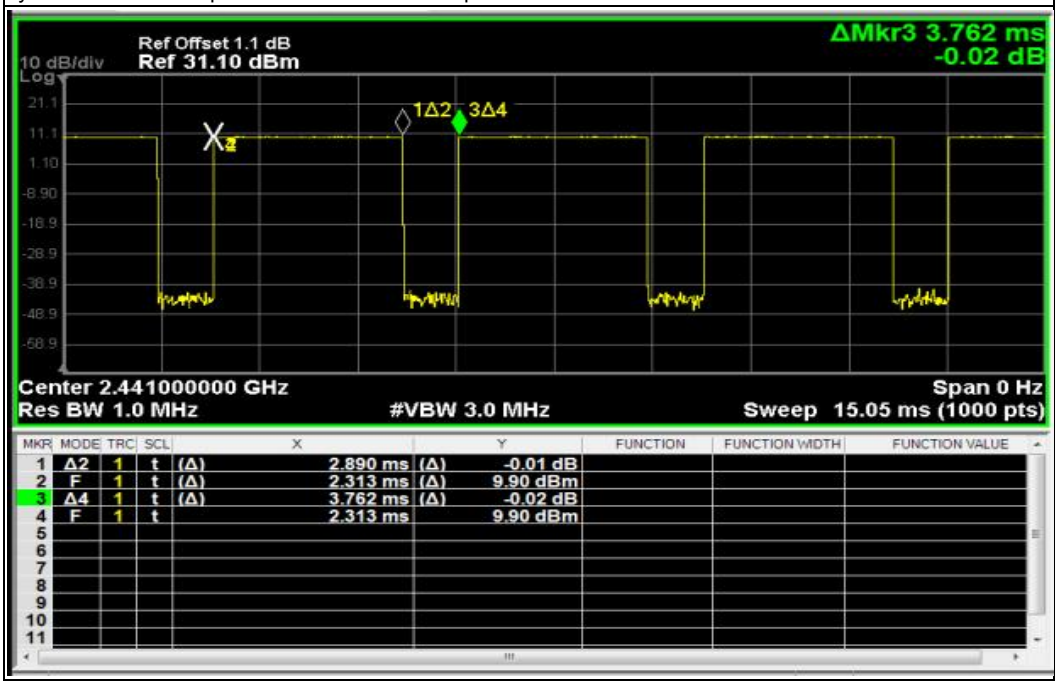
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.
1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency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

8.8 Bluetooth

8.8.1 Bluetooth Output Power

Bluetooth-WIFI 1-Full Power						
Test Mode	Modulation	Channel number	Frequency(MHz)	AV power (dBm)	Tune up (dBm))	SAR Test
BT	DH5	0	2402	9.93	11.00	Yes
		39	2441	**10.23**	11.00	Yes
		78	2480	9.79	11.00	Yes
	2DH5	0	2402	6.33	7.00	No
		39	2441	6.60	7.00	No
		78	2480	6.07	7.00	No
	3DH5	0	2402	6.32	7.00	No
		39	2441	6.57	7.00	No
		78	2480	6.07	7.00	No
	BLE-1M	0	2402	10.05	11.00	No
		19	2440	10.59	11.00	No
		39	2480	9.93	10.00	No
	BLE-2M	1	2404	10.05	11.00	No
		19	2440	10.55	11.00	No
		38	2478	9.82	10.00	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.

8.8.2 Bluetooth Duty Cycle

The Bluetooth duty cycle is76.82% 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.