

8 CONDUCTED RF OUPUT POWER

8.1	GSM Output Power
8.2	WCDMA Output Power
8.3	LTE Output Power

8.1 GSM Output Power

GSM										
GSM850	ANT	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm)
Channel		128	190	251			128	190	251	
Voice	ANT2	26.98	27.06	27.04	28.00	9.19	17.79	17.87	17.85	18.81
GPRS 1Slots	ANT2	27.03	27.02	26.95	28.00	9.19	17.84	17.83	17.76	18.81
GPRS 2Slots	ANT2	25.22	25.18	25.18	26.00	6.13	19.09	19.05	19.05	19.87
GPRS 3Slots	ANT2	24.02	23.98	23.93	25.00	4.42	19.60	19.56	19.51	20.58
GPRS 4Slots	ANT2	22.91	23.06	22.94	24.00	3.18	19.73	19.88	19.76	20.82
EGPRS 1Slots	ANT2	26.94	27.01	26.85	28.00	9.19	17.75	17.82	17.66	18.81
EGPRS 2Slots	ANT2	19.92	19.83	19.85	21.00	6.13	13.79	13.70	13.72	14.87
EGPRS 3Slots	ANT2	17.75	17.68	17.76	18.50	4.42	13.33	13.26	13.34	14.08
EGPRS 4Slots	ANT2	16.63	16.45	16.44	17.50	3.18	13.45	13.27	13.26	14.32

GSM										
GSM1900	ANT	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power			Tune-up Power(dBm)
Channel		512	661	810			128	190	251	
Voice	ANT2	20.16	20.28	20.20	21.00	9.19	10.97	11.09	11.01	11.81
GPRS 1Slots	ANT2	20.15	20.19	20.26	21.00	9.19	10.96	11.00	11.07	11.81
GPRS 2Slots	ANT2	16.52	16.58	16.72	17.50	6.13	10.39	10.45	10.59	11.37
GPRS 3Slots	ANT2	15.70	15.76	15.94	17.00	4.42	11.28	11.34	11.52	12.58
GPRS 4Slots	ANT2	15.27	15.52	15.33	16.50	3.18	12.09	12.34	12.15	13.32
EGPRS 1Slots	ANT2	20.01	19.94	19.80	21.00	9.19	10.82	10.75	10.61	11.81
EGPRS 2Slots	ANT2	14.90	14.99	14.79	16.00	6.13	8.77	8.86	8.66	9.87
EGPRS 3Slots	ANT2	12.66	12.78	12.72	13.50	4.42	8.24	8.36	8.30	9.08
EGPRS 4Slots	ANT2	11.55	11.50	11.53	12.50	3.18	8.37	8.32	8.35	9.32

8.2 WCDMA Output Power

WCDMA					
WCDMA B2	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		9262	9400	9538	
RMC	ANT2	12.53	12.62	12.50	13.50
HSDPA Subtest-1	ANT2	12.05	12.09	11.98	13.00
HSDPA Subtest-2	ANT2	11.87	12.00	11.86	13.00
HSDPA Subtest-3	ANT2	11.37	11.52	11.47	12.50
HSDPA Subtest-4	ANT2	11.47	11.51	11.49	12.50
HSUPA Subtest-1	ANT2	12.04	12.10	12.05	13.00
HSUPA Subtest-2	ANT2	9.98	10.08	9.95	11.00
HSUPA Subtest-3	ANT2	11.03	11.13	11.06	12.00
HSUPA Subtest-4	ANT2	9.97	10.01	9.87	11.00
HSUPA Subtest-5	ANT2	11.96	12.08	11.93	13.00

WCDMA					
WCDMA B4	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		1312	1412	1513	
RMC	ANT2	10.37	10.49	10.35	11.50
HSDPA Subtest-1	ANT2	9.92	10.00	9.98	11.00
HSDPA Subtest-2	ANT2	9.88	9.92	9.79	11.00
HSDPA Subtest-3	ANT2	9.38	9.43	9.38	10.50
HSDPA Subtest-4	ANT2	9.38	9.42	9.40	10.50
HSUPA Subtest-1	ANT2	9.87	9.96	9.88	11.00
HSUPA Subtest-2	ANT2	7.97	8.03	7.99	9.00
HSUPA Subtest-3	ANT2	9.03	9.05	8.95	10.00
HSUPA Subtest-4	ANT2	8.10	8.13	8.12	9.00
HSUPA Subtest-5	ANT2	9.96	9.97	9.82	11.00

WCDMA					
WCDMA B5	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		4132	4183	4233	
RMC	ANT2	20.96	21.29	21.05	22.00
HSDPA Subtest-1	ANT2	20.57	20.58	20.52	21.50
HSDPA Subtest-2	ANT2	20.50	20.56	20.46	21.50
HSDPA Subtest-3	ANT2	19.99	20.06	19.96	21.00
HSDPA Subtest-4	ANT2	20.01	20.05	19.91	21.00
HSUPA Subtest-1	ANT2	20.53	20.54	20.51	21.50
HSUPA Subtest-2	ANT2	18.36	18.47	18.33	19.50
HSUPA Subtest-3	ANT2	19.56	19.65	19.52	20.50
HSUPA Subtest-4	ANT2	18.35	18.46	18.40	19.50
HSUPA Subtest-5	ANT2	20.43	20.53	20.43	21.50

8.3 LTE Output Power

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT2	13.85	13.96	13.75	15.00
1.4	QPSK	1	2	ANT2	13.91	13.87	13.83	15.00
1.4	QPSK	1	5	ANT2	13.85	13.80	13.73	15.00
1.4	QPSK	3	0	ANT2	13.91	13.93	13.86	15.00
1.4	QPSK	3	1	ANT2	13.87	13.89	13.85	15.00
1.4	QPSK	3	3	ANT2	13.93	13.81	13.91	15.00
1.4	QPSK	6	0	ANT2	12.98	12.95	13.00	14.00
1.4	16QAM	1	0	ANT2	12.91	13.10	12.83	14.00
1.4	16QAM	1	2	ANT2	13.00	13.15	12.84	14.00
1.4	16QAM	1	5	ANT2	12.92	13.11	12.85	14.00
1.4	16QAM	3	0	ANT2	12.96	13.02	13.01	14.00
1.4	16QAM	3	1	ANT2	12.95	13.03	13.06	14.00
1.4	16QAM	3	3	ANT2	12.96	13.00	13.04	14.00
1.4	16QAM	6	0	ANT2	12.24	11.90	12.21	13.00
1.4	64QAM	1	0	ANT2	12.33	12.01	12.15	13.00
1.4	64QAM	1	2	ANT2	12.47	12.09	12.20	13.00
1.4	64QAM	1	5	ANT2	12.33	11.98	12.18	13.00
1.4	64QAM	3	0	ANT2	12.41	12.11	11.96	13.00
1.4	64QAM	3	1	ANT2	12.41	12.10	12.01	13.00
1.4	64QAM	3	3	ANT2	12.38	12.11	12.00	13.00
1.4	64QAM	6	0	ANT2	11.09	11.31	11.13	12.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT2	13.90	13.99	13.88	15.00
3	QPSK	1	7	ANT2	13.78	13.90	13.66	15.00
3	QPSK	1	14	ANT2	13.58	13.81	13.71	15.00
3	QPSK	8	0	ANT2	12.79	12.91	12.84	14.00
3	QPSK	8	3	ANT2	12.61	12.77	12.68	14.00
3	QPSK	8	7	ANT2	12.74	12.85	12.68	14.00
3	QPSK	15	0	ANT2	12.60	12.83	12.65	14.00
3	16QAM	1	0	ANT2	13.16	13.08	13.13	14.00
3	16QAM	1	7	ANT2	13.34	13.43	13.26	14.00
3	16QAM	1	14	ANT2	13.20	13.27	13.10	14.00
3	16QAM	8	0	ANT2	11.83	11.87	11.73	13.00
3	16QAM	8	3	ANT2	11.82	11.98	11.74	13.00
3	16QAM	8	7	ANT2	11.80	11.88	11.68	13.00
3	16QAM	15	0	ANT2	11.80	11.90	11.80	13.00
3	64QAM	1	0	ANT2	12.44	12.41	12.35	13.00
3	64QAM	1	7	ANT2	12.33	12.38	12.17	13.00
3	64QAM	1	14	ANT2	12.40	12.39	12.34	13.00
3	64QAM	8	0	ANT2	10.82	10.91	10.79	12.00
3	64QAM	8	3	ANT2	10.89	11.04	10.98	12.00
3	64QAM	8	7	ANT2	10.90	10.95	10.97	12.00
3	64QAM	15	0	ANT2	10.81	10.90	10.88	12.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT2	13.90	13.97	13.81	15.00
5	QPSK	1	12	ANT2	13.70	13.92	13.79	15.00
5	QPSK	1	24	ANT2	13.56	13.77	13.76	15.00
5	QPSK	12	0	ANT2	12.83	12.89	12.85	14.00
5	QPSK	12	6	ANT2	12.58	12.73	12.70	14.00
5	QPSK	12	13	ANT2	12.76	12.85	12.81	14.00
5	QPSK	25	0	ANT2	12.60	12.75	12.72	14.00
5	16QAM	1	0	ANT2	13.12	13.22	13.19	14.00
5	16QAM	1	12	ANT2	13.35	13.37	13.29	14.00
5	16QAM	1	24	ANT2	13.20	13.19	13.11	14.00
5	16QAM	12	0	ANT2	11.79	11.95	11.79	13.00
5	16QAM	12	6	ANT2	11.73	11.86	11.85	13.00
5	16QAM	12	13	ANT2	11.85	11.88	11.79	13.00
5	16QAM	25	0	ANT2	11.74	11.92	11.85	13.00
5	64QAM	1	0	ANT2	12.37	12.45	12.40	13.00
5	64QAM	1	12	ANT2	12.31	12.37	12.24	13.00
5	64QAM	1	24	ANT2	12.33	12.41	12.35	13.00
5	64QAM	12	0	ANT2	10.75	10.90	10.84	12.00
5	64QAM	12	6	ANT2	11.03	11.04	11.07	12.00
5	64QAM	12	13	ANT2	10.96	10.98	10.89	12.00
5	64QAM	25	0	ANT2	10.75	10.97	10.80	12.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT2	13.87	13.98	13.86	15.00
10	QPSK	1	24	ANT2	13.74	13.91	13.68	15.00
10	QPSK	1	49	ANT2	13.53	13.78	13.74	15.00
10	QPSK	25	0	ANT2	12.73	12.86	12.83	14.00
10	QPSK	25	12	ANT2	12.58	12.83	12.73	14.00
10	QPSK	25	25	ANT2	12.72	12.80	12.80	14.00
10	QPSK	50	0	ANT2	12.73	12.85	12.65	14.00
10	16QAM	1	0	ANT2	13.16	13.16	13.15	14.00
10	16QAM	1	24	ANT2	13.35	13.39	13.29	14.00
10	16QAM	1	49	ANT2	13.13	13.26	13.15	14.00
10	16QAM	25	0	ANT2	11.86	11.87	11.84	13.00
10	16QAM	25	12	ANT2	11.78	12.00	11.75	13.00
10	16QAM	25	25	ANT2	11.86	11.94	11.80	13.00
10	16QAM	50	0	ANT2	11.84	11.85	11.89	13.00
10	64QAM	1	0	ANT2	12.44	12.40	12.40	13.00
10	64QAM	1	24	ANT2	12.36	12.44	12.29	13.00
10	64QAM	1	49	ANT2	12.35	12.50	12.25	13.00
10	64QAM	25	0	ANT2	10.77	10.83	10.87	12.00
10	64QAM	25	12	ANT2	10.96	11.04	11.01	12.00
10	64QAM	25	25	ANT2	10.90	10.95	10.98	12.00
10	64QAM	50	0	ANT2	10.81	10.89	10.89	12.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT2	13.90	13.95	13.84	15.00
15	QPSK	1	37	ANT2	13.69	13.91	13.68	15.00
15	QPSK	1	74	ANT2	13.66	13.75	13.68	15.00
15	QPSK	36	0	ANT2	12.72	12.88	12.81	14.00
15	QPSK	36	19	ANT2	12.58	12.75	12.62	14.00
15	QPSK	36	39	ANT2	12.74	12.74	12.77	14.00
15	QPSK	75	0	ANT2	12.68	12.83	12.64	14.00
15	16QAM	1	0	ANT2	13.20	13.15	13.11	14.00
15	16QAM	1	37	ANT2	13.29	13.43	13.26	14.00
15	16QAM	1	74	ANT2	13.19	13.30	13.17	14.00
15	16QAM	36	0	ANT2	11.92	11.88	11.83	13.00
15	16QAM	36	19	ANT2	11.87	12.00	11.85	13.00
15	16QAM	36	39	ANT2	11.81	11.82	11.71	13.00
15	16QAM	75	0	ANT2	11.84	11.83	11.84	13.00
15	64QAM	1	0	ANT2	12.31	12.33	12.38	13.00
15	64QAM	1	37	ANT2	12.32	12.30	12.19	13.00
15	64QAM	1	74	ANT2	12.33	12.40	12.28	13.00
15	64QAM	36	0	ANT2	10.78	10.87	10.78	12.00
15	64QAM	36	19	ANT2	11.01	11.05	11.12	12.00
15	64QAM	36	39	ANT2	10.95	11.03	10.89	12.00
15	64QAM	75	0	ANT2	10.86	10.92	10.84	12.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT2	13.94	14.03	13.89	15.00
20	QPSK	1	49	ANT2	13.83	13.94	13.80	15.00
20	QPSK	1	99	ANT2	13.68	13.83	13.78	15.00
20	QPSK	50	0	ANT2	12.85	12.96	12.87	14.00
20	QPSK	50	25	ANT2	12.71	12.86	12.76	14.00
20	QPSK	50	50	ANT2	12.79	12.88	12.83	14.00
20	QPSK	100	0	ANT2	12.74	12.89	12.78	14.00
20	16QAM	1	0	ANT2	13.21	13.23	13.20	14.00
20	16QAM	1	49	ANT2	13.39	13.49	13.39	14.00
20	16QAM	1	99	ANT2	13.28	13.32	13.20	14.00
20	16QAM	50	0	ANT2	11.93	11.97	11.88	13.00
20	16QAM	50	25	ANT2	11.88	12.01	11.89	13.00
20	16QAM	50	50	ANT2	11.95	11.96	11.82	13.00
20	16QAM	100	0	ANT2	11.86	11.94	11.90	13.00
20	64QAM	1	0	ANT2	12.45	12.48	12.41	13.00
20	64QAM	1	49	ANT2	12.38	12.45	12.31	13.00
20	64QAM	1	99	ANT2	12.42	12.53	12.39	13.00
20	64QAM	50	0	ANT2	10.86	10.94	10.90	12.00
20	64QAM	50	25	ANT2	11.04	11.17	11.13	12.00
20	64QAM	50	50	ANT2	11.03	11.05	11.04	12.00
20	64QAM	100	0	ANT2	10.89	11.02	10.94	12.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19957	20175	20393	Tune-up power(dBm)
1.4	QPSK	1	0	ANT2	13.73	13.82	13.80	15.00
1.4	QPSK	1	2	ANT2	13.61	13.75	13.60	15.00
1.4	QPSK	1	5	ANT2	13.61	13.71	13.70	15.00
1.4	QPSK	3	0	ANT2	13.75	13.78	13.64	15.00
1.4	QPSK	3	1	ANT2	13.64	13.76	13.66	15.00
1.4	QPSK	3	3	ANT2	13.60	13.71	13.68	15.00
1.4	QPSK	6	0	ANT2	12.77	12.87	12.81	14.00
1.4	16QAM	1	0	ANT2	13.00	13.08	13.06	14.00
1.4	16QAM	1	2	ANT2	13.07	13.11	13.07	14.00
1.4	16QAM	1	5	ANT2	12.91	13.06	12.93	14.00
1.4	16QAM	3	0	ANT2	12.91	12.98	12.97	14.00
1.4	16QAM	3	1	ANT2	12.90	13.01	12.94	14.00
1.4	16QAM	3	3	ANT2	12.96	12.97	12.87	14.00
1.4	16QAM	6	0	ANT2	11.80	11.82	11.74	13.00
1.4	64QAM	1	0	ANT2	11.78	11.92	11.80	13.00
1.4	64QAM	1	2	ANT2	11.96	12.01	11.89	13.00
1.4	64QAM	1	5	ANT2	11.85	11.92	11.77	13.00
1.4	64QAM	3	0	ANT2	11.85	11.98	11.90	13.00
1.4	64QAM	3	1	ANT2	11.98	12.03	11.88	13.00
1.4	64QAM	3	3	ANT2	11.99	12.03	12.00	13.00
1.4	64QAM	6	0	ANT2	11.18	11.22	11.20	12.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19965	20175	20385	Tune-up power(dBm)
3	QPSK	1	0	ANT2	13.89	13.93	13.81	15.00
3	QPSK	1	7	ANT2	13.77	13.85	13.65	15.00
3	QPSK	1	14	ANT2	13.65	13.74	13.76	15.00
3	QPSK	8	0	ANT2	12.82	12.92	12.83	14.00
3	QPSK	8	3	ANT2	12.63	12.71	12.67	14.00
3	QPSK	8	7	ANT2	12.76	12.77	12.82	14.00
3	QPSK	15	0	ANT2	12.64	12.79	12.70	14.00
3	16QAM	1	0	ANT2	13.06	13.10	13.11	14.00
3	16QAM	1	7	ANT2	13.31	13.42	13.24	14.00
3	16QAM	1	14	ANT2	13.26	13.20	13.15	14.00
3	16QAM	8	0	ANT2	11.87	11.96	11.80	13.00
3	16QAM	8	3	ANT2	11.75	11.97	11.76	13.00
3	16QAM	8	7	ANT2	11.84	11.95	11.74	13.00
3	16QAM	15	0	ANT2	11.79	11.90	11.78	13.00
3	64QAM	1	0	ANT2	12.34	12.41	12.37	13.00
3	64QAM	1	7	ANT2	12.35	12.44	12.16	13.00
3	64QAM	1	14	ANT2	12.39	12.44	12.30	13.00
3	64QAM	8	0	ANT2	10.71	10.92	10.75	12.00
3	64QAM	8	3	ANT2	10.97	11.15	11.00	12.00
3	64QAM	8	7	ANT2	10.89	10.96	10.99	12.00
3	64QAM	15	0	ANT2	10.81	10.89	10.81	12.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19975	20175	20375	Tune-up power(dBm)
5	QPSK	1	0	ANT2	13.86	13.91	13.78	15.00
5	QPSK	1	12	ANT2	13.80	13.81	13.79	15.00
5	QPSK	1	24	ANT2	13.66	13.81	13.65	15.00
5	QPSK	12	0	ANT2	12.82	12.83	12.72	14.00
5	QPSK	12	6	ANT2	12.59	12.73	12.72	14.00
5	QPSK	12	13	ANT2	12.64	12.78	12.69	14.00
5	QPSK	25	0	ANT2	12.64	12.74	12.72	14.00
5	16QAM	1	0	ANT2	13.18	13.09	13.11	14.00
5	16QAM	1	12	ANT2	13.32	13.37	13.26	14.00
5	16QAM	1	24	ANT2	13.20	13.22	13.18	14.00
5	16QAM	12	0	ANT2	11.82	11.82	11.82	13.00
5	16QAM	12	6	ANT2	11.83	11.99	11.84	13.00
5	16QAM	12	13	ANT2	11.83	11.87	11.77	13.00
5	16QAM	25	0	ANT2	11.80	11.86	11.81	13.00
5	64QAM	1	0	ANT2	12.38	12.36	12.38	13.00
5	64QAM	1	12	ANT2	12.37	12.37	12.17	13.00
5	64QAM	1	24	ANT2	12.29	12.51	12.30	13.00
5	64QAM	12	0	ANT2	10.79	10.87	10.81	12.00
5	64QAM	12	6	ANT2	11.02	11.09	11.02	12.00
5	64QAM	12	13	ANT2	10.94	10.95	11.01	12.00
5	64QAM	25	0	ANT2	10.80	10.95	10.84	12.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20000	20175	20350	Tune-up power(dBm)
10	QPSK	1	0	ANT2	13.84	13.92	13.82	15.00
10	QPSK	1	24	ANT2	13.78	13.88	13.72	15.00
10	QPSK	1	49	ANT2	13.65	13.78	13.77	15.00
10	QPSK	25	0	ANT2	12.74	12.85	12.78	14.00
10	QPSK	25	12	ANT2	12.64	12.77	12.75	14.00
10	QPSK	25	25	ANT2	12.75	12.83	12.78	14.00
10	QPSK	50	0	ANT2	12.59	12.86	12.69	14.00
10	16QAM	1	0	ANT2	13.10	13.11	13.07	14.00
10	16QAM	1	24	ANT2	13.27	13.36	13.27	14.00
10	16QAM	1	49	ANT2	13.18	13.20	13.16	14.00
10	16QAM	25	0	ANT2	11.83	11.90	11.81	13.00
10	16QAM	25	12	ANT2	11.80	11.97	11.75	13.00
10	16QAM	25	25	ANT2	11.85	11.92	11.74	13.00
10	16QAM	50	0	ANT2	11.72	11.80	11.84	13.00
10	64QAM	1	0	ANT2	12.40	12.33	12.39	13.00
10	64QAM	1	24	ANT2	12.23	12.33	12.17	13.00
10	64QAM	1	49	ANT2	12.33	12.51	12.34	13.00
10	64QAM	25	0	ANT2	10.76	10.84	10.86	12.00
10	64QAM	25	12	ANT2	10.90	11.07	11.08	12.00
10	64QAM	25	25	ANT2	11.01	10.99	11.00	12.00
10	64QAM	50	0	ANT2	10.85	10.92	10.83	12.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20025	20175	20325	Tune-up power(dBm)
15	QPSK	1	0	ANT2	13.81	13.89	13.85	15.00
15	QPSK	1	37	ANT2	13.78	13.82	13.78	15.00
15	QPSK	1	74	ANT2	13.65	13.81	13.64	15.00
15	QPSK	36	0	ANT2	12.79	12.87	12.83	14.00
15	QPSK	36	19	ANT2	12.58	12.75	12.64	14.00
15	QPSK	36	39	ANT2	12.77	12.73	12.79	14.00
15	QPSK	75	0	ANT2	12.70	12.87	12.69	14.00
15	16QAM	1	0	ANT2	13.12	13.22	13.10	14.00
15	16QAM	1	37	ANT2	13.38	13.37	13.27	14.00
15	16QAM	1	74	ANT2	13.14	13.20	13.16	14.00
15	16QAM	36	0	ANT2	11.85	11.93	11.82	13.00
15	16QAM	36	19	ANT2	11.81	12.00	11.85	13.00
15	16QAM	36	39	ANT2	11.87	11.93	11.81	13.00
15	16QAM	75	0	ANT2	11.82	11.83	11.83	13.00
15	64QAM	1	0	ANT2	12.35	12.46	12.26	13.00
15	64QAM	1	37	ANT2	12.32	12.42	12.27	13.00
15	64QAM	1	74	ANT2	12.27	12.43	12.29	13.00
15	64QAM	36	0	ANT2	10.83	10.84	10.84	12.00
15	64QAM	36	19	ANT2	11.03	11.15	11.00	12.00
15	64QAM	36	39	ANT2	10.88	10.95	10.92	12.00
15	64QAM	75	0	ANT2	10.82	10.90	10.88	12.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20050	20175	20300	Tune-up power(dBm)
20	QPSK	1	0	ANT2	13.90	14.02	13.78	15.00
20	QPSK	1	49	ANT2	13.77	13.84	13.76	15.00
20	QPSK	1	99	ANT2	13.53	13.77	13.66	15.00
20	QPSK	50	0	ANT2	12.79	12.93	12.76	14.00
20	QPSK	50	25	ANT2	12.69	12.82	12.62	14.00
20	QPSK	50	50	ANT2	12.75	12.84	12.68	14.00
20	QPSK	100	0	ANT2	12.64	12.85	12.66	14.00
20	16QAM	1	0	ANT2	13.06	13.18	13.07	14.00
20	16QAM	1	49	ANT2	13.32	13.47	13.36	14.00
20	16QAM	1	99	ANT2	13.17	13.24	13.06	14.00
20	16QAM	50	0	ANT2	11.85	11.84	11.80	13.00
20	16QAM	50	25	ANT2	11.76	11.94	11.77	13.00
20	16QAM	50	50	ANT2	11.91	11.84	11.67	13.00
20	16QAM	100	0	ANT2	11.75	11.87	11.80	13.00
20	64QAM	1	0	ANT2	12.44	12.44	12.38	13.00
20	64QAM	1	49	ANT2	12.26	12.38	12.18	13.00
20	64QAM	1	99	ANT2	12.27	12.46	12.35	13.00
20	64QAM	50	0	ANT2	10.81	10.91	10.87	12.00
20	64QAM	50	25	ANT2	10.89	11.07	11.12	12.00
20	64QAM	50	50	ANT2	10.90	10.94	10.91	12.00
20	64QAM	100	0	ANT2	10.76	10.92	10.84	12.00

Band				LTE B5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20407	20525	20643	Tune-up power(dBm)
1.4	QPSK	1	0	ANT2	21.16	21.31	21.22	22.00
1.4	QPSK	1	2	ANT2	21.12	21.24	21.10	22.00
1.4	QPSK	1	5	ANT2	21.17	21.21	21.15	22.00
1.4	QPSK	3	0	ANT2	21.19	21.33	21.29	22.00
1.4	QPSK	3	1	ANT2	21.19	21.27	21.23	22.00
1.4	QPSK	3	3	ANT2	21.17	21.28	21.20	22.00
1.4	QPSK	6	0	ANT2	20.22	20.32	20.18	21.00
1.4	16QAM	1	0	ANT2	20.52	20.56	20.53	21.00
1.4	16QAM	1	2	ANT2	20.51	20.58	20.46	21.00
1.4	16QAM	1	5	ANT2	20.40	20.53	20.41	21.00
1.4	16QAM	3	0	ANT2	20.41	20.46	20.36	21.00
1.4	16QAM	3	1	ANT2	20.42	20.46	20.34	21.00
1.4	16QAM	3	3	ANT2	20.40	20.48	20.40	21.00
1.4	16QAM	6	0	ANT2	19.13	19.27	19.12	20.00
1.4	64QAM	1	0	ANT2	19.30	19.42	19.35	20.00
1.4	64QAM	1	2	ANT2	19.41	19.46	19.37	20.00
1.4	64QAM	1	5	ANT2	19.24	19.34	19.30	20.00
1.4	64QAM	3	0	ANT2	19.42	19.47	19.41	20.00
1.4	64QAM	3	1	ANT2	19.47	19.54	19.51	20.00
1.4	64QAM	3	3	ANT2	19.47	19.51	19.45	20.00
1.4	64QAM	6	0	ANT2	18.68	18.77	18.67	19.00

Band				LTE B5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20415	20525	20635	Tune-up power(dBm)
3	QPSK	1	0	ANT2	21.34	21.39	21.35	22.00
3	QPSK	1	7	ANT2	21.35	21.38	21.28	22.00
3	QPSK	1	14	ANT2	21.34	21.36	21.27	22.00
3	QPSK	8	0	ANT2	20.30	20.39	20.34	21.00
3	QPSK	8	3	ANT2	20.18	20.24	20.15	21.00
3	QPSK	8	7	ANT2	20.13	20.15	20.05	21.00
3	QPSK	15	0	ANT2	20.28	20.30	20.28	21.00
3	16QAM	1	0	ANT2	20.54	20.69	20.60	21.00
3	16QAM	1	7	ANT2	20.61	20.76	20.63	21.00
3	16QAM	1	14	ANT2	20.59	20.74	20.56	21.00
3	16QAM	8	0	ANT2	19.34	19.50	19.37	20.00
3	16QAM	8	3	ANT2	19.21	19.29	19.24	20.00
3	16QAM	8	7	ANT2	19.11	19.28	19.05	20.00
3	16QAM	15	0	ANT2	19.09	19.28	19.21	20.00
3	64QAM	1	0	ANT2	19.31	19.44	19.32	20.00
3	64QAM	1	7	ANT2	19.34	19.43	19.32	20.00
3	64QAM	1	14	ANT2	19.26	19.51	19.38	20.00
3	64QAM	8	0	ANT2	18.14	18.27	18.20	19.00
3	64QAM	8	3	ANT2	18.41	18.47	18.25	19.00
3	64QAM	8	7	ANT2	18.32	18.39	18.33	19.00
3	64QAM	15	0	ANT2	18.33	18.28	18.12	19.00

Band				LTE B5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20425	20525	20625	Tune-up power(dBm)
5	QPSK	1	0	ANT2	21.28	21.43	21.43	22.00
5	QPSK	1	12	ANT2	21.30	21.30	21.34	22.00
5	QPSK	1	24	ANT2	21.32	21.30	21.26	22.00
5	QPSK	12	0	ANT2	20.33	20.29	20.32	21.00
5	QPSK	12	6	ANT2	20.18	20.30	20.25	21.00
5	QPSK	12	13	ANT2	20.21	20.25	20.05	21.00
5	QPSK	25	0	ANT2	20.18	20.34	20.23	21.00
5	16QAM	1	0	ANT2	20.55	20.58	20.54	21.00
5	16QAM	1	12	ANT2	20.64	20.78	20.63	21.00
5	16QAM	1	24	ANT2	20.68	20.66	20.58	21.00
5	16QAM	12	0	ANT2	19.31	19.51	19.50	20.00
5	16QAM	12	6	ANT2	19.25	19.32	19.33	20.00
5	16QAM	12	13	ANT2	19.21	19.29	19.13	20.00
5	16QAM	25	0	ANT2	19.11	19.31	19.29	20.00
5	64QAM	1	0	ANT2	19.32	19.39	19.36	20.00
5	64QAM	1	12	ANT2	19.28	19.40	19.37	20.00
5	64QAM	1	24	ANT2	19.29	19.39	19.27	20.00
5	64QAM	12	0	ANT2	18.24	18.24	18.18	19.00
5	64QAM	12	6	ANT2	18.47	18.49	18.35	19.00
5	64QAM	12	13	ANT2	18.30	18.31	18.22	19.00
5	64QAM	25	0	ANT2	18.22	18.25	18.22	19.00

Band				LTE B5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20450	20525	20600	Tune-up power(dBm)
10	QPSK	1	0	ANT2	21.41	21.48	21.47	22.00
10	QPSK	1	24	ANT2	21.41	21.44	21.42	22.00
10	QPSK	1	49	ANT2	21.40	21.41	21.31	22.00
10	QPSK	25	0	ANT2	20.38	20.43	20.39	21.00
10	QPSK	25	12	ANT2	20.23	20.35	20.27	21.00
10	QPSK	25	25	ANT2	20.25	20.28	20.17	21.00
10	QPSK	50	0	ANT2	20.31	20.37	20.29	21.00
10	16QAM	1	0	ANT2	20.65	20.70	20.64	21.00
10	16QAM	1	24	ANT2	20.67	20.82	20.72	21.00
10	16QAM	1	49	ANT2	20.73	20.77	20.71	21.00
10	16QAM	25	0	ANT2	19.43	19.55	19.51	20.00
10	16QAM	25	12	ANT2	19.35	19.43	19.37	20.00
10	16QAM	25	25	ANT2	19.25	19.30	19.16	20.00
10	16QAM	50	0	ANT2	19.22	19.34	19.31	20.00
10	64QAM	1	0	ANT2	19.42	19.48	19.37	20.00
10	64QAM	1	24	ANT2	19.38	19.51	19.41	20.00
10	64QAM	1	49	ANT2	19.41	19.52	19.42	20.00
10	64QAM	25	0	ANT2	18.29	18.35	18.21	19.00
10	64QAM	25	12	ANT2	18.51	18.52	18.38	19.00
10	64QAM	25	25	ANT2	18.38	18.44	18.37	19.00
10	64QAM	50	0	ANT2	18.37	18.39	18.24	19.00

Band				LTE B7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20775	21100	21425	Tune-up power(dBm)
5	QPSK	1	0	ANT2	11.80	11.82	11.67	13.00
5	QPSK	1	12	ANT2	11.68	11.81	11.70	13.00
5	QPSK	1	24	ANT2	11.62	11.69	11.51	13.00
5	QPSK	12	0	ANT2	10.76	10.78	10.77	12.00
5	QPSK	12	6	ANT2	10.75	10.73	10.74	12.00
5	QPSK	12	13	ANT2	10.60	10.76	10.71	12.00
5	QPSK	25	0	ANT2	10.61	10.59	10.63	12.00
5	16QAM	1	0	ANT2	10.97	11.13	10.97	12.00
5	16QAM	1	12	ANT2	11.23	11.34	11.22	12.00
5	16QAM	1	24	ANT2	10.98	11.19	10.95	12.00
5	16QAM	12	0	ANT2	9.72	9.79	9.63	11.00
5	16QAM	12	6	ANT2	9.64	9.83	9.82	11.00
5	16QAM	12	13	ANT2	9.68	9.64	9.63	11.00
5	16QAM	25	0	ANT2	9.57	9.66	9.52	11.00
5	64QAM	1	0	ANT2	10.18	10.34	10.14	11.00
5	64QAM	1	12	ANT2	10.30	10.33	10.24	11.00
5	64QAM	1	24	ANT2	10.23	10.27	10.26	11.00
5	64QAM	12	0	ANT2	8.72	8.70	8.67	10.00
5	64QAM	12	6	ANT2	8.81	8.84	8.80	10.00
5	64QAM	12	13	ANT2	8.75	8.80	8.80	10.00
5	64QAM	25	0	ANT2	8.74	8.81	8.66	10.00

Band				LTE B7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20800	21100	21400	Tune-up power(dBm)
10	QPSK	1	0	ANT2	11.74	11.88	11.69	13.00
10	QPSK	1	24	ANT2	11.61	11.80	11.78	13.00
10	QPSK	1	49	ANT2	11.60	11.77	11.57	13.00
10	QPSK	25	0	ANT2	10.71	10.83	10.72	12.00
10	QPSK	25	12	ANT2	10.75	10.74	10.67	12.00
10	QPSK	25	25	ANT2	10.64	10.62	10.74	12.00
10	QPSK	50	0	ANT2	10.67	10.63	10.64	12.00
10	16QAM	1	0	ANT2	11.03	11.11	10.90	12.00
10	16QAM	1	24	ANT2	11.26	11.36	11.25	12.00
10	16QAM	1	49	ANT2	11.08	11.08	10.98	12.00
10	16QAM	25	0	ANT2	9.73	9.70	9.64	11.00
10	16QAM	25	12	ANT2	9.74	9.83	9.78	11.00
10	16QAM	25	25	ANT2	9.62	9.64	9.65	11.00
10	16QAM	50	0	ANT2	9.59	9.79	9.63	11.00
10	64QAM	1	0	ANT2	10.29	10.30	10.10	11.00
10	64QAM	1	24	ANT2	10.26	10.42	10.38	11.00
10	64QAM	1	49	ANT2	10.24	10.25	10.17	11.00
10	64QAM	25	0	ANT2	8.69	8.70	8.70	10.00
10	64QAM	25	12	ANT2	8.79	8.91	8.77	10.00
10	64QAM	25	25	ANT2	8.74	8.75	8.77	10.00
10	64QAM	50	0	ANT2	8.73	8.84	8.73	10.00

Band				LTE B7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20825	21100	21375	Tune-up power(dBm)
15	QPSK	1	0	ANT2	11.71	11.80	11.69	13.00
15	QPSK	1	37	ANT2	11.61	11.78	11.67	13.00
15	QPSK	1	74	ANT2	11.64	11.69	11.51	13.00
15	QPSK	36	0	ANT2	10.73	10.74	10.71	12.00
15	QPSK	36	19	ANT2	10.65	10.78	10.68	12.00
15	QPSK	36	39	ANT2	10.60	10.71	10.62	12.00
15	QPSK	75	0	ANT2	10.65	10.71	10.64	12.00
15	16QAM	1	0	ANT2	11.02	11.11	10.97	12.00
15	16QAM	1	37	ANT2	11.19	11.27	11.25	12.00
15	16QAM	1	74	ANT2	11.02	11.10	11.04	12.00
15	16QAM	36	0	ANT2	9.71	9.78	9.54	11.00
15	16QAM	36	19	ANT2	9.66	9.78	9.70	11.00
15	16QAM	36	39	ANT2	9.68	9.71	9.61	11.00
15	16QAM	75	0	ANT2	9.52	9.78	9.54	11.00
15	64QAM	1	0	ANT2	10.21	10.24	10.20	11.00
15	64QAM	1	37	ANT2	10.26	10.44	10.28	11.00
15	64QAM	1	74	ANT2	10.24	10.32	10.23	11.00
15	64QAM	36	0	ANT2	8.65	8.83	8.72	10.00
15	64QAM	36	19	ANT2	8.80	8.88	8.76	10.00
15	64QAM	36	39	ANT2	8.72	8.79	8.75	10.00
15	64QAM	75	0	ANT2	8.76	8.75	8.67	10.00

Band				LTE B7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20850	21100	21350	Tune-up power(dBm)
20	QPSK	1	0	ANT2	11.86	11.89	11.80	13.00
20	QPSK	1	49	ANT2	11.71	11.84	11.81	13.00
20	QPSK	1	99	ANT2	11.71	11.78	11.64	13.00
20	QPSK	50	0	ANT2	10.80	10.88	10.79	12.00
20	QPSK	50	25	ANT2	10.80	10.81	10.79	12.00
20	QPSK	50	50	ANT2	10.67	10.77	10.75	12.00
20	QPSK	100	0	ANT2	10.71	10.73	10.66	12.00
20	16QAM	1	0	ANT2	11.04	11.15	11.04	12.00
20	16QAM	1	49	ANT2	11.32	11.37	11.36	12.00
20	16QAM	1	99	ANT2	11.11	11.20	11.05	12.00
20	16QAM	50	0	ANT2	9.74	9.84	9.69	11.00
20	16QAM	50	25	ANT2	9.75	9.88	9.83	11.00
20	16QAM	50	50	ANT2	9.72	9.77	9.75	11.00
20	16QAM	100	0	ANT2	9.66	9.81	9.67	11.00
20	64QAM	1	0	ANT2	10.31	10.37	10.25	11.00
20	64QAM	1	49	ANT2	10.38	10.48	10.39	11.00
20	64QAM	1	99	ANT2	10.26	10.40	10.32	11.00
20	64QAM	50	0	ANT2	8.73	8.84	8.77	10.00
20	64QAM	50	25	ANT2	8.88	8.95	8.90	10.00
20	64QAM	50	50	ANT2	8.85	8.88	8.84	10.00
20	64QAM	100	0	ANT2	8.84	8.89	8.80	10.00

Band				LTE B12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23017	23095	23173	Tune-up power(dBm)
1.4	QPSK	1	0	ANT2	17.43	17.56	17.32	18.50
1.4	QPSK	1	2	ANT2	17.44	17.47	17.38	18.50
1.4	QPSK	1	5	ANT2	17.40	17.40	17.29	18.50
1.4	QPSK	3	0	ANT2	17.43	17.53	17.45	18.50
1.4	QPSK	3	1	ANT2	17.49	17.48	17.49	18.50
1.4	QPSK	3	3	ANT2	17.41	17.44	17.36	18.50
1.4	QPSK	6	0	ANT2	16.60	16.57	16.56	17.50
1.4	16QAM	1	0	ANT2	16.53	16.74	16.42	17.50
1.4	16QAM	1	2	ANT2	16.58	16.76	16.45	17.50
1.4	16QAM	1	5	ANT2	16.53	16.69	16.42	17.50
1.4	16QAM	3	0	ANT2	16.51	16.58	16.63	17.50
1.4	16QAM	3	1	ANT2	16.49	16.60	16.66	17.50
1.4	16QAM	3	3	ANT2	16.55	16.62	16.64	17.50
1.4	16QAM	6	0	ANT2	15.71	15.48	15.74	16.50
1.4	64QAM	1	0	ANT2	15.86	15.60	15.68	16.50
1.4	64QAM	1	2	ANT2	15.97	15.64	15.70	16.50
1.4	64QAM	1	5	ANT2	15.88	15.54	15.73	16.50
1.4	64QAM	3	0	ANT2	15.88	15.61	15.48	16.50
1.4	64QAM	3	1	ANT2	15.86	15.64	15.51	16.50
1.4	64QAM	3	3	ANT2	15.89	15.64	15.53	16.50
1.4	64QAM	6	0	ANT2	14.60	14.85	14.66	15.50

Band				LTE B12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23025	23095	23165	Tune-up power(dBm)
3	QPSK	1	0	ANT2	17.55	17.57	17.47	18.50
3	QPSK	1	7	ANT2	17.45	17.47	17.37	18.50
3	QPSK	1	14	ANT2	17.41	17.49	17.48	18.50
3	QPSK	8	0	ANT2	16.36	16.54	16.44	17.50
3	QPSK	8	3	ANT2	16.31	16.47	16.29	17.50
3	QPSK	8	7	ANT2	16.37	16.45	16.34	17.50
3	QPSK	15	0	ANT2	16.20	16.37	16.28	17.50
3	16QAM	1	0	ANT2	16.52	16.74	16.75	17.50
3	16QAM	1	7	ANT2	16.67	16.80	16.71	17.50
3	16QAM	1	14	ANT2	16.70	16.79	16.71	17.50
3	16QAM	8	0	ANT2	15.36	15.46	15.43	16.50
3	16QAM	8	3	ANT2	15.56	15.51	15.56	16.50
3	16QAM	8	7	ANT2	15.18	15.39	15.18	16.50
3	16QAM	15	0	ANT2	15.30	15.42	15.30	16.50
3	64QAM	1	0	ANT2	15.46	15.61	15.51	16.50
3	64QAM	1	7	ANT2	15.45	15.65	15.50	16.50
3	64QAM	1	14	ANT2	15.59	15.59	15.56	16.50
3	64QAM	8	0	ANT2	14.45	14.39	14.40	15.50
3	64QAM	8	3	ANT2	14.43	14.57	14.54	15.50
3	64QAM	8	7	ANT2	14.40	14.37	14.36	15.50
3	64QAM	15	0	ANT2	14.29	14.35	14.39	15.50

Band				LTE B12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23035	23095	23155	Tune-up power(dBm)
5	QPSK	1	0	ANT2	17.56	17.67	17.42	18.50
5	QPSK	1	12	ANT2	17.45	17.57	17.33	18.50
5	QPSK	1	24	ANT2	17.41	17.48	17.41	18.50
5	QPSK	12	0	ANT2	16.36	16.46	16.36	17.50
5	QPSK	12	6	ANT2	16.45	16.46	16.31	17.50
5	QPSK	12	13	ANT2	16.37	16.44	16.35	17.50
5	QPSK	25	0	ANT2	16.20	16.29	16.28	17.50
5	16QAM	1	0	ANT2	16.64	16.64	16.61	17.50
5	16QAM	1	12	ANT2	16.67	16.83	16.80	17.50
5	16QAM	1	24	ANT2	16.61	16.72	16.67	17.50
5	16QAM	12	0	ANT2	15.42	15.45	15.41	16.50
5	16QAM	12	6	ANT2	15.46	15.59	15.49	16.50
5	16QAM	12	13	ANT2	15.21	15.25	15.19	16.50
5	16QAM	25	0	ANT2	15.21	15.40	15.26	16.50
5	64QAM	1	0	ANT2	15.50	15.61	15.49	16.50
5	64QAM	1	12	ANT2	15.55	15.67	15.51	16.50
5	64QAM	1	24	ANT2	15.53	15.60	15.55	16.50
5	64QAM	12	0	ANT2	14.35	14.53	14.40	15.50
5	64QAM	12	6	ANT2	14.41	14.55	14.60	15.50
5	64QAM	12	13	ANT2	14.27	14.35	14.28	15.50
5	64QAM	25	0	ANT2	14.25	14.33	14.38	15.50

Band				LTE B12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23060	23095	23130	Tune-up power(dBm)
10	QPSK	1	0	ANT2	17.65	17.68	17.55	18.50
10	QPSK	1	24	ANT2	17.56	17.60	17.45	18.50
10	QPSK	1	49	ANT2	17.52	17.58	17.53	18.50
10	QPSK	25	0	ANT2	16.51	16.61	16.51	17.50
10	QPSK	25	12	ANT2	16.46	16.53	16.43	17.50
10	QPSK	25	25	ANT2	16.42	16.49	16.42	17.50
10	QPSK	50	0	ANT2	16.34	16.43	16.34	17.50
10	16QAM	1	0	ANT2	16.67	16.78	16.76	17.50
10	16QAM	1	24	ANT2	16.77	16.88	16.85	17.50
10	16QAM	1	49	ANT2	16.74	16.85	16.75	17.50
10	16QAM	25	0	ANT2	15.46	15.53	15.44	16.50
10	16QAM	25	12	ANT2	15.58	15.62	15.60	16.50
10	16QAM	25	25	ANT2	15.31	15.40	15.26	16.50
10	16QAM	50	0	ANT2	15.33	15.43	15.40	16.50
10	64QAM	1	0	ANT2	15.56	15.70	15.56	16.50
10	64QAM	1	24	ANT2	15.60	15.74	15.65	16.50
10	64QAM	1	49	ANT2	15.60	15.73	15.60	16.50
10	64QAM	25	0	ANT2	14.49	14.54	14.47	15.50
10	64QAM	25	12	ANT2	14.55	14.64	14.61	15.50
10	64QAM	25	25	ANT2	14.41	14.42	14.39	15.50
10	64QAM	50	0	ANT2	14.39	14.45	14.41	15.50

Band				LTE B13				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23205	23230	23255	Tune-up power(dBm)
5	QPSK	1	0	ANT2	15.44	15.55	15.46	16.50
5	QPSK	1	12	ANT2	15.41	15.49	15.45	16.50
5	QPSK	1	24	ANT2	15.37	15.43	15.38	16.50
5	QPSK	12	0	ANT2	14.37	14.51	14.47	15.50
5	QPSK	12	6	ANT2	14.35	14.44	14.31	15.50
5	QPSK	12	13	ANT2	14.35	14.43	14.29	15.50
5	QPSK	25	0	ANT2	14.30	14.42	14.28	15.50
5	16QAM	1	0	ANT2	14.84	14.91	14.83	15.50
5	16QAM	1	12	ANT2	14.97	15.00	14.99	15.50
5	16QAM	1	24	ANT2	14.71	14.85	14.83	15.50
5	16QAM	12	0	ANT2	13.44	13.47	13.42	14.50
5	16QAM	12	6	ANT2	13.47	13.56	13.52	14.50
5	16QAM	12	13	ANT2	13.41	13.54	13.51	14.50
5	16QAM	25	0	ANT2	13.38	13.47	13.46	14.50
5	64QAM	1	0	ANT2	13.57	13.70	13.69	14.50
5	64QAM	1	12	ANT2	13.76	13.82	13.75	14.50
5	64QAM	1	24	ANT2	13.51	13.65	13.52	14.50
5	64QAM	12	0	ANT2	12.30	12.45	12.36	13.50
5	64QAM	12	6	ANT2	12.51	12.52	12.50	13.50
5	64QAM	12	13	ANT2	12.36	12.48	12.43	13.50
5	64QAM	25	0	ANT2	12.39	12.44	12.31	13.50

Band				LTE B13				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT		23230		Tune-up power(dBm)
10	QPSK	1	0	ANT2		15.59		16.50
10	QPSK	1	24	ANT2		15.51		16.50
10	QPSK	1	49	ANT2		15.49		16.50
10	QPSK	25	0	ANT2		14.41		15.50
10	QPSK	25	12	ANT2		14.39		15.50
10	QPSK	25	25	ANT2		14.40		15.50
10	QPSK	50	0	ANT2		14.41		15.50
10	16QAM	1	0	ANT2		14.44		15.50
10	16QAM	1	24	ANT2		14.48		15.50
10	16QAM	1	49	ANT2		14.42		15.50
10	16QAM	25	0	ANT2		13.43		14.50
10	16QAM	25	12	ANT2		13.47		14.50
10	16QAM	25	25	ANT2		13.45		14.50
10	16QAM	50	0	ANT2		13.35		14.50
10	64QAM	1	0	ANT2		13.80		14.50
10	64QAM	1	24	ANT2		13.85		14.50
10	64QAM	1	49	ANT2		13.79		14.50
10	64QAM	25	0	ANT2		12.48		13.50
10	64QAM	25	12	ANT2		12.66		13.50
10	64QAM	25	25	ANT2		12.57		13.50
10	64QAM	50	0	ANT2		12.49		13.50

Band				LTE B17				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23755	23790	23825	Tune-up power(dBm)
5	QPSK	1	0	ANT2	17.45	17.54	17.32	18.50
5	QPSK	1	12	ANT2	17.45	17.47	17.23	18.50
5	QPSK	1	24	ANT2	17.33	17.42	17.39	18.50
5	QPSK	12	0	ANT2	16.31	16.52	16.38	17.50
5	QPSK	12	6	ANT2	16.34	16.32	16.31	17.50
5	QPSK	12	13	ANT2	16.28	16.40	16.20	17.50
5	QPSK	25	0	ANT2	16.12	16.33	16.23	17.50
5	16QAM	1	0	ANT2	16.52	16.58	16.63	17.50
5	16QAM	1	12	ANT2	16.57	16.67	16.75	17.50
5	16QAM	1	24	ANT2	16.60	16.65	16.57	17.50
5	16QAM	12	0	ANT2	15.33	15.41	15.29	16.50
5	16QAM	12	6	ANT2	15.43	15.47	15.38	16.50
5	16QAM	12	13	ANT2	15.16	15.27	15.16	16.50
5	16QAM	25	0	ANT2	15.10	15.32	15.21	16.50
5	64QAM	1	0	ANT2	15.42	15.61	15.47	16.50
5	64QAM	1	12	ANT2	15.50	15.53	15.56	16.50
5	64QAM	1	24	ANT2	15.37	15.55	15.46	16.50
5	64QAM	12	0	ANT2	14.30	14.45	14.24	15.50
5	64QAM	12	6	ANT2	14.35	14.51	14.45	15.50
5	64QAM	12	13	ANT2	14.32	14.19	14.28	15.50
5	64QAM	25	0	ANT2	14.17	14.33	14.32	15.50

Band				LTE B17				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23780	23790	23800	Tune-up power(dBm)
10	QPSK	1	0	ANT2	17.55	17.58	17.45	18.50
10	QPSK	1	24	ANT2	17.43	17.50	17.23	18.50
10	QPSK	1	49	ANT2	17.40	17.39	17.30	18.50
10	QPSK	25	0	ANT2	16.30	16.48	16.42	17.50
10	QPSK	25	12	ANT2	16.37	16.31	16.34	17.50
10	QPSK	25	25	ANT2	16.33	16.34	16.25	17.50
10	QPSK	50	0	ANT2	16.14	16.26	16.22	17.50
10	16QAM	1	0	ANT2	16.49	16.64	16.64	17.50
10	16QAM	1	24	ANT2	16.57	16.65	16.65	17.50
10	16QAM	1	49	ANT2	16.55	16.67	16.63	17.50
10	16QAM	25	0	ANT2	15.34	15.44	15.27	16.50
10	16QAM	25	12	ANT2	15.36	15.50	15.37	16.50
10	16QAM	25	25	ANT2	15.18	15.22	15.14	16.50
10	16QAM	50	0	ANT2	15.24	15.32	15.22	16.50
10	64QAM	1	0	ANT2	15.45	15.60	15.46	16.50
10	64QAM	1	24	ANT2	15.37	15.59	15.46	16.50
10	64QAM	1	49	ANT2	15.44	15.56	15.39	16.50
10	64QAM	25	0	ANT2	14.29	14.38	14.33	15.50
10	64QAM	25	12	ANT2	14.33	14.54	14.43	15.50
10	64QAM	25	25	ANT2	14.23	14.29	14.24	15.50
10	64QAM	50	0	ANT2	14.22	14.23	14.21	15.50

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26697	26865	27033	Tune-up power(dBm)
1.4	QPSK	1	0	ANT2	21.04	21.28	21.13	22.00
1.4	QPSK	1	2	ANT2	21.08	21.21	20.97	22.00
1.4	QPSK	1	5	ANT2	21.11	21.07	21.06	22.00
1.4	QPSK	3	0	ANT2	21.11	21.21	21.20	22.00
1.4	QPSK	3	1	ANT2	21.18	21.23	21.16	22.00
1.4	QPSK	3	3	ANT2	21.13	21.14	21.19	22.00
1.4	QPSK	6	0	ANT2	20.20	20.25	20.07	21.00
1.4	16QAM	1	0	ANT2	20.49	20.42	20.50	21.00
1.4	16QAM	1	2	ANT2	20.40	20.56	20.38	21.00
1.4	16QAM	1	5	ANT2	20.34	20.43	20.35	21.00
1.4	16QAM	3	0	ANT2	20.39	20.32	20.29	21.00
1.4	16QAM	3	1	ANT2	20.40	20.41	20.19	21.00
1.4	16QAM	3	3	ANT2	20.39	20.33	20.35	21.00
1.4	16QAM	6	0	ANT2	19.01	19.23	19.10	20.00
1.4	64QAM	1	0	ANT2	19.18	19.37	19.25	20.00
1.4	64QAM	1	2	ANT2	19.27	19.40	19.26	20.00
1.4	64QAM	1	5	ANT2	19.12	19.28	19.25	20.00
1.4	64QAM	3	0	ANT2	19.32	19.33	19.38	20.00
1.4	64QAM	3	1	ANT2	19.45	19.46	19.50	20.00
1.4	64QAM	3	3	ANT2	19.43	19.40	19.35	20.00
1.4	64QAM	6	0	ANT2	18.65	18.69	18.52	19.00

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26705	26865	27025	Tune-up power(dBm)
3	QPSK	1	0	ANT2	21.32	21.40	21.46	22.00
3	QPSK	1	7	ANT2	21.37	21.34	21.35	22.00
3	QPSK	1	14	ANT2	21.31	21.31	21.26	22.00
3	QPSK	8	0	ANT2	20.27	20.42	20.24	21.00
3	QPSK	8	3	ANT2	20.15	20.23	20.21	21.00
3	QPSK	8	7	ANT2	20.23	20.21	20.12	21.00
3	QPSK	15	0	ANT2	20.17	20.22	20.23	21.00
3	16QAM	1	0	ANT2	20.58	20.67	20.49	21.00
3	16QAM	1	7	ANT2	20.60	20.81	20.62	21.00
3	16QAM	1	14	ANT2	20.59	20.67	20.61	21.00
3	16QAM	8	0	ANT2	19.34	19.44	19.38	20.00
3	16QAM	8	3	ANT2	19.25	19.29	19.27	20.00
3	16QAM	8	7	ANT2	19.21	19.23	19.09	20.00
3	16QAM	15	0	ANT2	19.13	19.26	19.24	20.00
3	64QAM	1	0	ANT2	19.29	19.46	19.25	20.00
3	64QAM	1	7	ANT2	19.23	19.37	19.29	20.00
3	64QAM	1	14	ANT2	19.35	19.38	19.30	20.00
3	64QAM	8	0	ANT2	18.27	18.23	18.11	19.00
3	64QAM	8	3	ANT2	18.41	18.51	18.36	19.00
3	64QAM	8	7	ANT2	18.29	18.40	18.29	19.00
3	64QAM	15	0	ANT2	18.27	18.27	18.11	19.00

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26715	26865	27015	Tune-up power(dBm)
5	QPSK	1	0	ANT2	21.37	21.42	21.39	22.00
5	QPSK	1	12	ANT2	21.31	21.39	21.31	22.00
5	QPSK	1	24	ANT2	21.39	21.27	21.30	22.00
5	QPSK	12	0	ANT2	20.32	20.37	20.27	21.00
5	QPSK	12	6	ANT2	20.19	20.22	20.23	21.00
5	QPSK	12	13	ANT2	20.11	20.26	20.03	21.00
5	QPSK	25	0	ANT2	20.22	20.30	20.25	21.00
5	16QAM	1	0	ANT2	20.55	20.61	20.55	21.00
5	16QAM	1	12	ANT2	20.63	20.72	20.63	21.00
5	16QAM	1	24	ANT2	20.71	20.66	20.69	21.00
5	16QAM	12	0	ANT2	19.37	19.44	19.49	20.00
5	16QAM	12	6	ANT2	19.28	19.37	19.32	20.00
5	16QAM	12	13	ANT2	19.21	19.27	19.15	20.00
5	16QAM	25	0	ANT2	19.14	19.23	19.17	20.00
5	64QAM	1	0	ANT2	19.40	19.42	19.25	20.00
5	64QAM	1	12	ANT2	19.35	19.48	19.29	20.00
5	64QAM	1	24	ANT2	19.40	19.43	19.31	20.00
5	64QAM	12	0	ANT2	18.17	18.32	18.20	19.00
5	64QAM	12	6	ANT2	18.50	18.40	18.28	19.00
5	64QAM	12	13	ANT2	18.28	18.30	18.23	19.00
5	64QAM	25	0	ANT2	18.31	18.25	18.19	19.00

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26740	26865	26990	Tune-up power(dBm)
10	QPSK	1	0	ANT2	21.35	21.43	21.36	22.00
10	QPSK	1	24	ANT2	21.28	21.39	21.37	22.00
10	QPSK	1	49	ANT2	21.39	21.33	21.22	22.00
10	QPSK	25	0	ANT2	20.24	20.34	20.27	21.00
10	QPSK	25	12	ANT2	20.19	20.31	20.18	21.00
10	QPSK	25	25	ANT2	20.23	20.14	20.06	21.00
10	QPSK	50	0	ANT2	20.25	20.26	20.28	21.00
10	16QAM	1	0	ANT2	20.52	20.56	20.57	21.00
10	16QAM	1	24	ANT2	20.57	20.80	20.66	21.00
10	16QAM	1	49	ANT2	20.62	20.74	20.60	21.00
10	16QAM	25	0	ANT2	19.34	19.44	19.38	20.00
10	16QAM	25	12	ANT2	19.23	19.32	19.28	20.00
10	16QAM	25	25	ANT2	19.21	19.22	19.10	20.00
10	16QAM	50	0	ANT2	19.08	19.33	19.19	20.00
10	64QAM	1	0	ANT2	19.32	19.44	19.32	20.00
10	64QAM	1	24	ANT2	19.30	19.41	19.39	20.00
10	64QAM	1	49	ANT2	19.38	19.40	19.35	20.00
10	64QAM	25	0	ANT2	18.20	18.22	18.12	19.00
10	64QAM	25	12	ANT2	18.39	18.47	18.34	19.00
10	64QAM	25	25	ANT2	18.31	18.29	18.23	19.00
10	64QAM	50	0	ANT2	18.26	18.38	18.16	19.00

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26765	26865	26965	Tune-up power(dBm)
15	QPSK	1	0	ANT2	21.32	21.47	21.36	22.00
15	QPSK	1	37	ANT2	21.27	21.31	21.36	22.00
15	QPSK	1	74	ANT2	21.25	21.35	21.16	22.00
15	QPSK	36	0	ANT2	20.24	20.38	20.32	21.00
15	QPSK	36	19	ANT2	20.10	20.26	20.17	21.00
15	QPSK	36	39	ANT2	20.24	20.18	20.11	21.00
15	QPSK	75	0	ANT2	20.22	20.27	20.27	21.00
15	16QAM	1	0	ANT2	20.55	20.59	20.53	21.00
15	16QAM	1	37	ANT2	20.57	20.79	20.62	21.00
15	16QAM	1	74	ANT2	20.65	20.76	20.65	21.00
15	16QAM	36	0	ANT2	19.39	19.40	19.49	20.00
15	16QAM	36	19	ANT2	19.26	19.29	19.34	20.00
15	16QAM	36	39	ANT2	19.16	19.27	19.11	20.00
15	16QAM	75	0	ANT2	19.21	19.27	19.22	20.00
15	64QAM	1	0	ANT2	19.40	19.46	19.29	20.00
15	64QAM	1	37	ANT2	19.23	19.41	19.33	20.00
15	64QAM	1	74	ANT2	19.35	19.43	19.34	20.00
15	64QAM	36	0	ANT2	18.16	18.24	18.13	19.00
15	64QAM	36	19	ANT2	18.48	18.47	18.24	19.00
15	64QAM	36	39	ANT2	18.34	18.31	18.24	19.00
15	64QAM	75	0	ANT2	18.31	18.29	18.12	19.00

Band				LTE B66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT2	13.78	13.90	13.88	15.00
1.4	QPSK	1	2	ANT2	13.64	13.81	13.69	15.00
1.4	QPSK	1	5	ANT2	13.61	13.80	13.66	15.00
1.4	QPSK	3	0	ANT2	13.72	13.80	13.70	15.00
1.4	QPSK	3	1	ANT2	13.71	13.82	13.76	15.00
1.4	QPSK	3	3	ANT2	13.68	13.77	13.69	15.00
1.4	QPSK	6	0	ANT2	12.74	12.83	12.78	14.00
1.4	16QAM	1	0	ANT2	13.01	13.06	13.16	14.00
1.4	16QAM	1	2	ANT2	13.00	12.98	12.96	14.00
1.4	16QAM	1	5	ANT2	12.89	12.94	12.90	14.00
1.4	16QAM	3	0	ANT2	12.81	12.95	12.83	14.00
1.4	16QAM	3	1	ANT2	12.83	12.98	12.79	14.00
1.4	16QAM	3	3	ANT2	12.85	12.89	12.78	14.00
1.4	16QAM	6	0	ANT2	11.72	11.77	11.73	13.00
1.4	64QAM	1	0	ANT2	11.71	11.87	11.66	13.00
1.4	64QAM	1	2	ANT2	11.88	11.91	11.78	13.00
1.4	64QAM	1	5	ANT2	11.73	11.85	11.66	13.00
1.4	64QAM	3	0	ANT2	11.76	11.86	11.85	13.00
1.4	64QAM	3	1	ANT2	11.96	11.93	11.79	13.00
1.4	64QAM	3	3	ANT2	11.87	11.97	11.95	13.00
1.4	64QAM	6	0	ANT2	11.13	11.10	11.17	12.00

Band				LTE B66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT2	13.79	13.94	13.67	15.00
3	QPSK	1	7	ANT2	13.66	13.69	13.66	15.00
3	QPSK	1	14	ANT2	13.42	13.74	13.61	15.00
3	QPSK	8	0	ANT2	12.70	12.86	12.73	14.00
3	QPSK	8	3	ANT2	12.66	12.76	12.51	14.00
3	QPSK	8	7	ANT2	12.68	12.76	12.63	14.00
3	QPSK	15	0	ANT2	12.53	12.81	12.65	14.00
3	16QAM	1	0	ANT2	12.97	13.06	13.03	14.00
3	16QAM	1	7	ANT2	13.28	13.39	13.28	14.00
3	16QAM	1	14	ANT2	13.07	13.23	12.99	14.00
3	16QAM	8	0	ANT2	11.70	11.80	11.65	13.00
3	16QAM	8	3	ANT2	11.61	11.89	11.73	13.00
3	16QAM	8	7	ANT2	11.90	11.75	11.58	13.00
3	16QAM	15	0	ANT2	11.67	11.78	11.77	13.00
3	64QAM	1	0	ANT2	12.38	12.29	12.23	13.00
3	64QAM	1	7	ANT2	12.22	12.31	12.09	13.00
3	64QAM	1	14	ANT2	12.24	12.41	12.21	13.00
3	64QAM	8	0	ANT2	10.75	10.90	10.85	12.00
3	64QAM	8	3	ANT2	10.85	11.05	11.04	12.00
3	64QAM	8	7	ANT2	10.85	10.80	10.86	12.00
3	64QAM	15	0	ANT2	10.67	10.91	10.78	12.00

Band				LTE B66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT2	13.85	13.90	13.70	15.00
5	QPSK	1	12	ANT2	13.66	13.75	13.63	15.00
5	QPSK	1	24	ANT2	13.42	13.67	13.62	15.00
5	QPSK	12	0	ANT2	12.66	12.90	12.74	14.00
5	QPSK	12	6	ANT2	12.59	12.81	12.58	14.00
5	QPSK	12	13	ANT2	12.60	12.80	12.63	14.00
5	QPSK	25	0	ANT2	12.58	12.81	12.60	14.00
5	16QAM	1	0	ANT2	13.01	13.15	13.02	14.00
5	16QAM	1	12	ANT2	13.22	13.46	13.27	14.00
5	16QAM	1	24	ANT2	13.09	13.16	13.01	14.00
5	16QAM	12	0	ANT2	11.76	11.79	11.70	13.00
5	16QAM	12	6	ANT2	11.69	11.90	11.71	13.00
5	16QAM	12	13	ANT2	11.78	11.78	11.53	13.00
5	16QAM	25	0	ANT2	11.69	11.73	11.65	13.00
5	64QAM	1	0	ANT2	12.40	12.35	12.35	13.00
5	64QAM	1	12	ANT2	12.18	12.33	12.07	13.00
5	64QAM	1	24	ANT2	12.13	12.37	12.21	13.00
5	64QAM	12	0	ANT2	10.77	10.90	10.79	12.00
5	64QAM	12	6	ANT2	10.74	10.99	11.07	12.00
5	64QAM	12	13	ANT2	10.83	10.83	10.79	12.00
5	64QAM	25	0	ANT2	10.69	10.88	10.74	12.00

Band				LTE B66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT2	13.78	13.91	13.70	15.00
10	QPSK	1	24	ANT2	13.76	13.74	13.67	15.00
10	QPSK	1	49	ANT2	13.48	13.69	13.57	15.00
10	QPSK	25	0	ANT2	12.67	12.92	12.65	14.00
10	QPSK	25	12	ANT2	12.60	12.77	12.59	14.00
10	QPSK	25	25	ANT2	12.69	12.83	12.60	14.00
10	QPSK	50	0	ANT2	12.53	12.77	12.52	14.00
10	16QAM	1	0	ANT2	12.91	13.11	13.02	14.00
10	16QAM	1	24	ANT2	13.28	13.42	13.25	14.00
10	16QAM	1	49	ANT2	13.14	13.20	13.01	14.00
10	16QAM	25	0	ANT2	11.78	11.83	11.73	13.00
10	16QAM	25	12	ANT2	11.75	11.85	11.66	13.00
10	16QAM	25	25	ANT2	11.85	11.83	11.57	13.00
10	16QAM	50	0	ANT2	11.63	11.72	11.75	13.00
10	64QAM	1	0	ANT2	12.36	12.39	12.34	13.00
10	64QAM	1	24	ANT2	12.17	12.28	12.15	13.00
10	64QAM	1	49	ANT2	12.13	12.43	12.33	13.00
10	64QAM	25	0	ANT2	10.70	10.86	10.72	12.00
10	64QAM	25	12	ANT2	10.88	10.93	10.97	12.00
10	64QAM	25	25	ANT2	10.80	10.82	10.80	12.00
10	64QAM	50	0	ANT2	10.72	10.91	10.83	12.00

Band				LTE B66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT2	13.77	13.92	13.73	15.00
15	QPSK	1	37	ANT2	13.71	13.82	13.75	15.00
15	QPSK	1	74	ANT2	13.58	13.78	13.71	15.00
15	QPSK	36	0	ANT2	12.77	12.80	12.74	14.00
15	QPSK	36	19	ANT2	12.69	12.78	12.57	14.00
15	QPSK	36	39	ANT2	12.69	12.82	12.60	14.00
15	QPSK	75	0	ANT2	12.50	12.72	12.64	14.00
15	16QAM	1	0	ANT2	13.02	13.09	12.95	14.00
15	16QAM	1	37	ANT2	13.25	13.43	13.27	14.00
15	16QAM	1	74	ANT2	13.11	13.22	12.97	14.00
15	16QAM	36	0	ANT2	11.75	11.83	11.77	13.00
15	16QAM	36	19	ANT2	11.65	11.83	11.71	13.00
15	16QAM	36	39	ANT2	11.79	11.71	11.61	13.00
15	16QAM	75	0	ANT2	11.63	11.79	11.65	13.00
15	64QAM	1	0	ANT2	12.39	12.35	12.37	13.00
15	64QAM	1	37	ANT2	12.17	12.34	12.12	13.00
15	64QAM	1	74	ANT2	12.15	12.43	12.29	13.00
15	64QAM	36	0	ANT2	10.79	10.87	10.86	12.00
15	64QAM	36	19	ANT2	10.77	10.94	10.97	12.00
15	64QAM	36	39	ANT2	10.89	10.79	10.86	12.00
15	64QAM	75	0	ANT2	10.74	10.77	10.76	12.00

Band				LTE B66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT2	13.85	13.98	13.75	15.00
20	QPSK	1	49	ANT2	13.72	13.81	13.75	15.00
20	QPSK	1	99	ANT2	13.57	13.78	13.75	15.00
20	QPSK	50	0	ANT2	12.80	12.90	12.74	14.00
20	QPSK	50	25	ANT2	12.61	12.69	12.79	14.00
20	QPSK	50	50	ANT2	12.66	12.74	12.57	14.00
20	QPSK	100	0	ANT2	12.53	12.71	12.54	14.00
20	16QAM	1	0	ANT2	12.91	13.06	12.95	14.00
20	16QAM	1	49	ANT2	13.27	13.40	13.30	14.00
20	16QAM	1	99	ANT2	13.06	13.14	12.97	14.00
20	16QAM	50	0	ANT2	11.71	11.72	11.68	13.00
20	16QAM	50	25	ANT2	11.73	11.93	11.76	13.00
20	16QAM	50	50	ANT2	11.86	11.71	11.60	13.00
20	16QAM	100	0	ANT2	11.67	11.75	11.71	13.00
20	64QAM	1	0	ANT2	12.38	12.40	12.26	13.00
20	64QAM	1	49	ANT2	12.17	12.28	12.11	13.00
20	64QAM	1	99	ANT2	12.14	12.42	12.22	13.00
20	64QAM	50	0	ANT2	10.66	10.90	10.78	12.00
20	64QAM	50	25	ANT2	10.80	10.94	11.00	12.00
20	64QAM	50	50	ANT2	10.85	10.88	10.78	12.00
20	64QAM	100	0	ANT2	10.67	10.79	10.70	12.00

Band				LTE B38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37775	38000	38225	Tune-up power(dBm)
5	QPSK	1	0	ANT2	14.89	14.93	14.74	16.00
5	QPSK	1	12	ANT2	14.90	14.87	14.76	16.00
5	QPSK	1	24	ANT2	14.73	14.78	14.67	16.00
5	QPSK	12	0	ANT2	13.75	13.89	13.87	15.00
5	QPSK	12	6	ANT2	13.66	13.83	13.73	15.00
5	QPSK	12	13	ANT2	13.76	13.75	13.70	15.00
5	QPSK	25	0	ANT2	13.67	13.84	13.74	15.00
5	16QAM	1	0	ANT2	13.83	13.86	13.85	15.00
5	16QAM	1	12	ANT2	14.08	14.11	14.14	15.00
5	16QAM	1	24	ANT2	13.80	13.94	13.78	15.00
5	16QAM	12	0	ANT2	12.70	12.83	12.71	14.00
5	16QAM	12	6	ANT2	12.69	12.90	12.86	14.00
5	16QAM	12	13	ANT2	12.60	12.71	12.60	14.00
5	16QAM	25	0	ANT2	12.72	12.71	12.77	14.00
5	64QAM	1	0	ANT2	12.81	12.80	12.85	14.00
5	64QAM	1	12	ANT2	12.92	13.15	12.95	14.00
5	64QAM	1	24	ANT2	12.75	12.93	12.72	14.00
5	64QAM	12	0	ANT2	11.65	11.84	11.64	13.00
5	64QAM	12	6	ANT2	11.75	11.89	11.84	13.00
5	64QAM	12	13	ANT2	11.82	11.83	11.70	13.00
5	64QAM	25	0	ANT2	11.70	11.82	11.72	13.00

Band				LTE B38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37800	38000	38200	Tune-up power(dBm)
10	QPSK	1	0	ANT2	14.93	14.90	14.80	16.00
10	QPSK	1	24	ANT2	14.79	14.94	14.76	16.00
10	QPSK	1	49	ANT2	14.71	14.87	14.69	16.00
10	QPSK	25	0	ANT2	13.76	13.88	13.79	15.00
10	QPSK	25	12	ANT2	13.66	13.85	13.78	15.00
10	QPSK	25	25	ANT2	13.68	13.79	13.64	15.00
10	QPSK	50	0	ANT2	13.67	13.77	13.65	15.00
10	16QAM	1	0	ANT2	13.84	13.88	13.79	15.00
10	16QAM	1	24	ANT2	14.07	14.16	14.19	15.00
10	16QAM	1	49	ANT2	13.85	13.99	13.83	15.00
10	16QAM	25	0	ANT2	12.72	12.81	12.76	14.00
10	16QAM	25	12	ANT2	12.78	12.87	12.88	14.00
10	16QAM	25	25	ANT2	12.67	12.78	12.65	14.00
10	16QAM	50	0	ANT2	12.72	12.74	12.69	14.00
10	64QAM	1	0	ANT2	12.71	12.82	12.77	14.00
10	64QAM	1	24	ANT2	12.94	13.08	12.89	14.00
10	64QAM	1	49	ANT2	12.76	12.94	12.83	14.00
10	64QAM	25	0	ANT2	11.62	11.74	11.71	13.00
10	64QAM	25	12	ANT2	11.85	11.94	11.84	13.00
10	64QAM	25	25	ANT2	11.81	11.79	11.64	13.00
10	64QAM	50	0	ANT2	11.76	11.75	11.69	13.00

Band				LTE B38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37825	38000	38175	Tune-up power(dBm)
15	QPSK	1	0	ANT2	14.89	14.98	14.81	16.00
15	QPSK	1	37	ANT2	14.92	14.85	14.77	16.00
15	QPSK	1	74	ANT2	14.70	14.77	14.74	16.00
15	QPSK	36	0	ANT2	13.75	13.87	13.86	15.00
15	QPSK	36	19	ANT2	13.70	13.84	13.78	15.00
15	QPSK	36	39	ANT2	13.72	13.84	13.72	15.00
15	QPSK	75	0	ANT2	13.74	13.84	13.67	15.00
15	16QAM	1	0	ANT2	13.88	13.88	13.76	15.00
15	16QAM	1	37	ANT2	13.99	14.12	14.14	15.00
15	16QAM	1	74	ANT2	13.85	13.98	13.87	15.00
15	16QAM	36	0	ANT2	12.74	12.82	12.75	14.00
15	16QAM	36	19	ANT2	12.81	12.89	12.78	14.00
15	16QAM	36	39	ANT2	12.61	12.78	12.74	14.00
15	16QAM	75	0	ANT2	12.76	12.78	12.73	14.00
15	64QAM	1	0	ANT2	12.77	12.88	12.74	14.00
15	64QAM	1	37	ANT2	13.00	13.05	12.87	14.00
15	64QAM	1	74	ANT2	12.70	12.96	12.84	14.00
15	64QAM	36	0	ANT2	11.65	11.78	11.65	13.00
15	64QAM	36	19	ANT2	11.88	11.86	11.82	13.00
15	64QAM	36	39	ANT2	11.82	11.81	11.65	13.00
15	64QAM	75	0	ANT2	11.68	11.76	11.63	13.00

Band				LTE B38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37850	38000	38150	Tune-up power(dBm)
20	QPSK	1	0	ANT2	14.96	15.03	14.89	16.00
20	QPSK	1	49	ANT2	14.93	14.95	14.88	16.00
20	QPSK	1	99	ANT2	14.79	14.88	14.78	16.00
20	QPSK	50	0	ANT2	13.88	13.92	13.91	15.00
20	QPSK	50	25	ANT2	13.75	13.89	13.85	15.00
20	QPSK	50	50	ANT2	13.77	13.86	13.77	15.00
20	QPSK	100	0	ANT2	13.79	13.85	13.76	15.00
20	16QAM	1	0	ANT2	13.91	13.99	13.86	15.00
20	16QAM	1	49	ANT2	14.14	14.22	14.21	15.00
20	16QAM	1	99	ANT2	13.89	14.02	13.91	15.00
20	16QAM	50	0	ANT2	12.82	12.87	12.78	14.00
20	16QAM	50	25	ANT2	12.84	12.94	12.91	14.00
20	16QAM	50	50	ANT2	12.69	12.84	12.75	14.00
20	16QAM	100	0	ANT2	12.82	12.83	12.82	14.00
20	64QAM	1	0	ANT2	12.85	12.95	12.89	14.00
20	64QAM	1	49	ANT2	13.06	13.17	13.02	14.00
20	64QAM	1	99	ANT2	12.84	12.99	12.86	14.00
20	64QAM	50	0	ANT2	11.75	11.87	11.76	13.00
20	64QAM	50	25	ANT2	11.90	11.96	11.90	13.00
20	64QAM	50	50	ANT2	11.84	11.88	11.73	13.00
20	64QAM	100	0	ANT2	11.78	11.86	11.74	13.00

Band				LTE B41				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39675	40620	41565	Tune-up power(dBm)
5	QPSK	1	0	ANT2	14.88	14.94	14.79	16.00
5	QPSK	1	12	ANT2	14.80	14.81	14.77	16.00
5	QPSK	1	24	ANT2	14.76	14.74	14.74	16.00
5	QPSK	12	0	ANT2	13.76	13.85	13.78	15.00
5	QPSK	12	6	ANT2	13.70	13.78	13.83	15.00
5	QPSK	12	13	ANT2	13.66	13.79	13.73	15.00
5	QPSK	25	0	ANT2	13.70	13.75	13.65	15.00
5	16QAM	1	0	ANT2	13.76	13.86	13.77	15.00
5	16QAM	1	12	ANT2	14.03	14.20	14.20	15.00
5	16QAM	1	24	ANT2	13.78	13.92	13.87	15.00
5	16QAM	12	0	ANT2	12.76	12.86	12.66	14.00
5	16QAM	12	6	ANT2	12.80	12.80	12.90	14.00
5	16QAM	12	13	ANT2	12.59	12.73	12.65	14.00
5	16QAM	25	0	ANT2	12.76	12.74	12.71	14.00
5	64QAM	1	0	ANT2	12.70	12.92	12.82	14.00
5	64QAM	1	12	ANT2	12.91	13.03	12.93	14.00
5	64QAM	1	24	ANT2	12.69	12.93	12.79	14.00
5	64QAM	12	0	ANT2	11.70	11.79	11.67	13.00
5	64QAM	12	6	ANT2	11.77	11.89	11.86	13.00
5	64QAM	12	13	ANT2	11.83	11.92	11.76	13.00
5	64QAM	25	0	ANT2	11.76	11.86	11.81	13.00

Band				LTE B41				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39700	40620	41540	Tune-up power(dBm)
10	QPSK	1	0	ANT2	14.92	14.92	14.85	16.00
10	QPSK	1	24	ANT2	14.80	14.83	14.73	16.00
10	QPSK	1	49	ANT2	14.72	14.73	14.74	16.00
10	QPSK	25	0	ANT2	13.81	13.88	13.84	15.00
10	QPSK	25	12	ANT2	13.60	13.83	13.80	15.00
10	QPSK	25	25	ANT2	13.65	13.71	13.74	15.00
10	QPSK	50	0	ANT2	13.77	13.74	13.67	15.00
10	16QAM	1	0	ANT2	13.80	13.87	13.76	15.00
10	16QAM	1	24	ANT2	14.05	14.12	14.16	15.00
10	16QAM	1	49	ANT2	13.87	13.91	13.86	15.00
10	16QAM	25	0	ANT2	12.74	12.72	12.64	14.00
10	16QAM	25	12	ANT2	12.73	12.83	12.78	14.00
10	16QAM	25	25	ANT2	12.67	12.70	12.61	14.00
10	16QAM	50	0	ANT2	12.71	12.80	12.76	14.00
10	64QAM	1	0	ANT2	12.72	12.88	12.77	14.00
10	64QAM	1	24	ANT2	13.05	13.12	13.01	14.00
10	64QAM	1	49	ANT2	12.78	12.98	12.77	14.00
10	64QAM	25	0	ANT2	11.70	11.80	11.63	13.00
10	64QAM	25	12	ANT2	11.82	11.94	11.80	13.00
10	64QAM	25	25	ANT2	11.83	11.96	11.81	13.00
10	64QAM	50	0	ANT2	11.79	11.91	11.78	13.00

Band				LTE B41				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39725	40620	41515	Tune-up power(dBm)
15	QPSK	1	0	ANT2	14.89	15.00	14.84	16.00
15	QPSK	1	37	ANT2	14.92	14.89	14.78	16.00
15	QPSK	1	74	ANT2	14.74	14.80	14.71	16.00
15	QPSK	36	0	ANT2	13.87	13.91	13.76	15.00
15	QPSK	36	19	ANT2	13.66	13.77	13.71	15.00
15	QPSK	36	39	ANT2	13.64	13.78	13.75	15.00
15	QPSK	75	0	ANT2	13.72	13.78	13.69	15.00
15	16QAM	1	0	ANT2	13.89	13.98	13.77	15.00
15	16QAM	1	37	ANT2	14.06	14.08	14.10	15.00
15	16QAM	1	74	ANT2	13.86	13.91	13.81	15.00
15	16QAM	36	0	ANT2	12.70	12.74	12.69	14.00
15	16QAM	36	19	ANT2	12.83	12.91	12.84	14.00
15	16QAM	36	39	ANT2	12.58	12.78	12.73	14.00
15	16QAM	75	0	ANT2	12.78	12.75	12.70	14.00
15	64QAM	1	0	ANT2	12.75	12.87	12.74	14.00
15	64QAM	1	37	ANT2	13.05	13.15	12.96	14.00
15	64QAM	1	74	ANT2	12.75	12.89	12.79	14.00
15	64QAM	36	0	ANT2	11.70	11.74	11.65	13.00
15	64QAM	36	19	ANT2	11.86	11.83	11.85	13.00
15	64QAM	36	39	ANT2	11.96	12.00	11.76	13.00
15	64QAM	75	0	ANT2	11.86	11.94	11.82	13.00

Band				LTE B41				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39750	40620	41490	Tune-up power(dBm)
20	QPSK	1	0	ANT2	14.85	15.02	14.88	16.00
20	QPSK	1	49	ANT2	14.88	14.85	14.73	16.00
20	QPSK	1	99	ANT2	14.72	14.77	14.69	16.00
20	QPSK	50	0	ANT2	13.74	13.95	13.89	15.00
20	QPSK	50	25	ANT2	13.60	13.76	13.78	15.00
20	QPSK	50	50	ANT2	13.76	13.81	13.68	15.00
20	QPSK	100	0	ANT2	13.66	13.71	13.64	15.00
20	16QAM	1	0	ANT2	13.84	13.90	13.84	15.00
20	16QAM	1	49	ANT2	14.04	14.13	14.06	15.00
20	16QAM	1	99	ANT2	13.81	14.00	13.89	15.00
20	16QAM	50	0	ANT2	12.68	12.76	12.76	14.00
20	16QAM	50	25	ANT2	12.79	12.80	12.88	14.00
20	16QAM	50	50	ANT2	12.55	12.69	12.73	14.00
20	16QAM	100	0	ANT2	12.67	12.74	12.74	14.00
20	64QAM	1	0	ANT2	12.72	12.86	12.83	14.00
20	64QAM	1	49	ANT2	12.94	13.07	13.00	14.00
20	64QAM	1	99	ANT2	12.74	12.85	12.83	14.00
20	64QAM	50	0	ANT2	11.66	11.81	11.62	13.00
20	64QAM	50	25	ANT2	11.86	11.83	11.84	13.00
20	64QAM	50	50	ANT2	11.88	11.91	11.74	13.00
20	64QAM	100	0	ANT2	11.89	11.93	11.79	13.00