

8 CONDUCTED RF OUPUT POWER

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

GSM										
GSM850	ANT	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power (dBm)			Tune-up Power(dBm)
Channel		128	190	251			128	190	251	
Voice	ANT3	25.05	25.23	25.17	26.00	9.19	15.86	16.04	15.98	16.81
GPRS 1Slots	ANT3	25.06	25.19	25.14	26.00	9.19	15.87	16.00	15.95	16.81
GPRS 2Slots	ANT3	23.15	23.36	23.26	24.50	6.13	17.02	17.23	17.13	18.37
GPRS 3Slots	ANT3	19.85	20.17	20.11	21.00	4.42	15.43	15.75	15.69	16.58
GPRS 4Slots	ANT3	18.68	18.97	18.82	19.50	3.18	15.50	15.79	15.64	16.32
EGPRS 1Slots	ANT3	20.73	20.98	20.59	22.00	9.19	11.54	11.79	11.40	12.81
EGPRS 2Slots	ANT3	19.24	19.69	19.64	20.50	6.13	13.11	13.56	13.51	14.37
EGPRS 3Slots	ANT3	17.15	17.39	17.33	18.50	4.42	12.73	12.97	12.91	14.08
EGPRS 4Slots	ANT3	16.10	16.29	16.18	17.00	3.18	12.92	13.11	13.00	13.82

GSM										
GSM1900	ANT	Burst Average Power(dBm)			Tune-up Power(dBm)	Division Factors	Frame-Averaged power (dBm)			Tune-up Power(dBm)
Channel		512	661	810			128	190	251	
Voice	ANT3	21.95	22.00	21.95	23.00	9.19	12.76	12.81	12.76	13.81
GPRS 1Slots	ANT3	21.90	21.99	21.87	23.00	9.19	12.71	12.80	12.68	13.81
GPRS 2Slots	ANT3	20.16	20.28	20.22	21.00	6.13	14.03	14.15	14.09	14.87
GPRS 3Slots	ANT3	17.05	17.15	17.00	18.00	4.42	12.63	12.73	12.58	13.58
GPRS 4Slots	ANT3	16.25	16.28	16.18	17.50	3.18	13.07	13.10	13.00	14.32
EGPRS 1Slots	ANT3	20.38	20.47	20.39	21.50	9.19	11.19	11.28	11.20	12.31
EGPRS 2Slots	ANT3	19.31	19.42	19.41	20.50	6.13	13.18	13.29	13.28	14.37
EGPRS 3Slots	ANT3	17.40	17.49	17.45	18.50	4.42	12.98	13.07	13.03	14.08
EGPRS 4Slots	ANT3	16.18	16.30	16.16	17.50	3.18	13.00	13.12	12.98	14.32

WCDMA					
WCDMA B2	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		9262	9400	9538	
AMR	ANT3	14.47	14.63	14.63	15.50
RMC	ANT3	14.59	14.66	14.65	15.50
HSDPA Subtest-1	ANT3	13.59	13.64	13.62	14.50
HSDPA Subtest-2	ANT3	13.53	13.57	13.76	14.50
HSDPA Subtest-3	ANT3	13.04	13.08	13.04	14.00
HSDPA Subtest-4	ANT3	12.97	13.07	12.93	14.00
HSUPA Subtest-1	ANT3	11.96	11.82	11.65	13.00
HSUPA Subtest-2	ANT3	11.61	11.79	11.89	13.00
HSUPA Subtest-3	ANT3	12.97	12.83	12.80	14.00
HSUPA Subtest-4	ANT3	11.14	11.23	11.11	12.50
HSUPA Subtest-5	ANT3	12.69	12.75	12.74	14.00

WCDMA					
WCDMA B4	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		1312	1412	1513	
AMR	ANT3	14.42	14.52	14.48	15.50
RMC	ANT3	14.55	14.62	14.59	15.50
HSDPA Subtest-1	ANT3	13.54	13.67	13.54	14.50
HSDPA Subtest-2	ANT3	13.42	13.55	13.36	14.50
HSDPA Subtest-3	ANT3	12.77	13.06	13.17	14.00
HSDPA Subtest-4	ANT3	12.84	13.04	12.90	14.00
HSUPA Subtest-1	ANT3	11.80	11.70	11.62	13.00
HSUPA Subtest-2	ANT3	11.66	11.77	11.59	13.00
HSUPA Subtest-3	ANT3	12.91	12.71	12.88	14.00
HSUPA Subtest-4	ANT3	10.91	11.15	11.33	12.50
HSUPA Subtest-5	ANT3	12.77	12.73	12.64	14.00

WCDMA					
WCDMA B5	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		4132	4183	4233	
AMR	ANT3	18.31	18.44	18.25	19.00
RMC	ANT3	18.33	18.49	18.30	19.00
HSDPA Subtest-1	ANT3	17.51	17.54	17.64	18.00
HSDPA Subtest-2	ANT3	17.32	17.47	17.61	18.00
HSDPA Subtest-3	ANT3	17.03	16.89	16.92	17.50
HSDPA Subtest-4	ANT3	16.79	16.78	16.96	17.50
HSUPA Subtest-1	ANT3	15.54	15.65	15.59	16.00
HSUPA Subtest-2	ANT3	15.62	15.56	15.40	16.00
HSUPA Subtest-3	ANT3	16.62	16.62	16.76	17.50
HSUPA Subtest-4	ANT3	15.25	15.14	15.06	16.00
HSUPA Subtest-5	ANT3	16.49	16.49	16.25	17.50

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT3	14.89	15.03	14.98	16.00
1.4	QPSK	1	2	ANT3	15.01	15.02	15.01	16.00
1.4	QPSK	1	5	ANT3	14.90	14.87	14.99	16.00
1.4	QPSK	3	0	ANT3	14.97	14.99	14.86	16.00
1.4	QPSK	3	1	ANT3	14.87	14.96	14.84	16.00
1.4	QPSK	3	3	ANT3	14.98	14.96	14.98	16.00
1.4	QPSK	6	0	ANT3	14.00	13.97	14.02	15.00
1.4	16QAM	1	0	ANT3	14.00	14.03	14.37	15.00
1.4	16QAM	1	2	ANT3	14.05	14.13	14.48	15.00
1.4	16QAM	1	5	ANT3	13.99	14.06	14.34	15.00
1.4	16QAM	3	0	ANT3	14.15	14.00	14.19	15.00
1.4	16QAM	3	1	ANT3	14.20	14.01	14.21	15.00
1.4	16QAM	3	3	ANT3	14.20	14.05	14.26	15.00
1.4	16QAM	6	0	ANT3	13.14	13.11	12.91	14.00
1.4	64QAM	1	0	ANT3	13.14	13.33	13.08	14.00
1.4	64QAM	1	2	ANT3	13.22	13.46	13.20	14.00
1.4	64QAM	1	5	ANT3	13.18	13.29	13.10	14.00
1.4	64QAM	3	0	ANT3	12.91	13.25	13.09	14.00
1.4	64QAM	3	1	ANT3	12.97	13.28	13.14	14.00
1.4	64QAM	3	3	ANT3	12.95	13.25	13.10	14.00
1.4	64QAM	6	0	ANT3	12.03	11.93	12.27	13.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT3	14.91	14.91	14.91	16.00
3	QPSK	1	7	ANT3	14.75	14.82	14.79	16.00
3	QPSK	1	14	ANT3	14.84	14.81	14.65	16.00
3	QPSK	8	0	ANT3	13.98	14.05	13.79	15.00
3	QPSK	8	3	ANT3	13.95	14.01	13.88	15.00
3	QPSK	8	7	ANT3	13.88	13.83	13.80	15.00
3	QPSK	15	0	ANT3	13.85	13.83	13.71	15.00
3	16QAM	1	0	ANT3	14.20	14.19	14.07	15.00
3	16QAM	1	7	ANT3	14.43	14.62	14.41	15.00
3	16QAM	1	14	ANT3	14.11	14.27	14.10	15.00
3	16QAM	8	0	ANT3	12.80	12.90	12.82	14.00
3	16QAM	8	3	ANT3	12.74	13.02	12.78	14.00
3	16QAM	8	7	ANT3	12.82	12.96	12.80	14.00
3	16QAM	15	0	ANT3	12.86	12.87	12.80	14.00
3	64QAM	1	0	ANT3	13.18	13.33	13.26	14.00
3	64QAM	1	7	ANT3	13.55	13.63	13.56	14.00
3	64QAM	1	14	ANT3	13.17	13.33	13.20	14.00
3	64QAM	8	0	ANT3	11.94	11.86	11.87	13.00
3	64QAM	8	3	ANT3	11.83	11.84	11.82	13.00
3	64QAM	8	7	ANT3	11.77	11.79	11.73	13.00
3	64QAM	15	0	ANT3	11.77	11.82	11.85	13.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT3	14.87	14.94	14.79	16.00
5	QPSK	1	12	ANT3	14.71	14.87	14.87	16.00
5	QPSK	1	24	ANT3	14.70	14.72	14.65	16.00
5	QPSK	12	0	ANT3	13.87	14.00	13.85	15.00
5	QPSK	12	6	ANT3	13.98	13.93	13.82	15.00
5	QPSK	12	13	ANT3	13.84	13.91	13.79	15.00
5	QPSK	25	0	ANT3	13.71	13.91	13.70	15.00
5	16QAM	1	0	ANT3	14.10	14.22	14.13	15.00
5	16QAM	1	12	ANT3	14.43	14.65	14.47	15.00
5	16QAM	1	24	ANT3	14.17	14.25	14.14	15.00
5	16QAM	12	0	ANT3	12.79	12.92	12.87	14.00
5	16QAM	12	6	ANT3	12.82	13.02	12.79	14.00
5	16QAM	12	13	ANT3	12.80	12.86	12.83	14.00
5	16QAM	25	0	ANT3	12.87	12.88	12.78	14.00
5	64QAM	1	0	ANT3	13.19	13.30	13.18	14.00
5	64QAM	1	12	ANT3	13.53	13.63	13.50	14.00
5	64QAM	1	24	ANT3	13.23	13.25	13.22	14.00
5	64QAM	12	0	ANT3	11.95	11.88	11.85	13.00
5	64QAM	12	6	ANT3	11.77	11.90	11.85	13.00
5	64QAM	12	13	ANT3	11.68	11.79	11.85	13.00
5	64QAM	25	0	ANT3	11.79	11.93	11.89	13.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT3	14.91	14.91	14.92	16.00
10	QPSK	1	24	ANT3	14.81	14.87	14.87	16.00
10	QPSK	1	49	ANT3	14.74	14.81	14.69	16.00
10	QPSK	25	0	ANT3	13.97	14.05	13.87	15.00
10	QPSK	25	12	ANT3	13.95	13.98	13.80	15.00
10	QPSK	25	25	ANT3	13.86	13.95	13.88	15.00
10	QPSK	50	0	ANT3	13.78	13.83	13.84	15.00
10	16QAM	1	0	ANT3	14.20	14.23	14.17	15.00
10	16QAM	1	24	ANT3	14.41	14.56	14.51	15.00
10	16QAM	1	49	ANT3	14.10	14.18	14.17	15.00
10	16QAM	25	0	ANT3	12.88	12.97	12.92	14.00
10	16QAM	25	12	ANT3	12.74	12.90	12.78	14.00
10	16QAM	25	25	ANT3	12.76	12.88	12.90	14.00
10	16QAM	50	0	ANT3	12.75	12.94	12.76	14.00
10	64QAM	1	0	ANT3	13.22	13.32	13.20	14.00
10	64QAM	1	24	ANT3	13.55	13.61	13.52	14.00
10	64QAM	1	49	ANT3	13.25	13.19	13.25	14.00
10	64QAM	25	0	ANT3	11.83	11.98	11.81	13.00
10	64QAM	25	12	ANT3	11.87	11.96	11.74	13.00
10	64QAM	25	25	ANT3	11.73	11.83	11.82	13.00
10	64QAM	50	0	ANT3	11.68	11.85	11.79	13.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18675	19193	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT3	14.89	14.98	14.87	16.00
15	QPSK	1	37	ANT3	14.77	14.86	14.75	16.00
15	QPSK	1	74	ANT3	14.81	14.74	14.57	16.00
15	QPSK	36	0	ANT3	13.92	14.06	13.91	15.00
15	QPSK	36	19	ANT3	13.98	13.89	13.86	15.00
15	QPSK	36	39	ANT3	13.88	13.85	13.85	15.00
15	QPSK	75	0	ANT3	13.77	13.83	13.71	15.00
15	16QAM	1	0	ANT3	14.20	14.25	14.17	15.00
15	16QAM	1	37	ANT3	14.52	14.65	14.47	15.00
15	16QAM	1	74	ANT3	14.13	14.18	14.14	15.00
15	16QAM	36	0	ANT3	12.93	12.96	12.90	14.00
15	16QAM	36	19	ANT3	12.87	12.94	12.80	14.00
15	16QAM	36	39	ANT3	12.79	12.91	12.83	14.00
15	16QAM	75	0	ANT3	12.81	12.94	12.73	14.00
15	64QAM	1	0	ANT3	13.19	13.33	13.23	14.00
15	64QAM	1	37	ANT3	13.59	13.53	13.58	14.00
15	64QAM	1	74	ANT3	13.12	13.26	13.26	14.00
15	64QAM	36	0	ANT3	11.85	11.96	11.85	13.00
15	64QAM	36	19	ANT3	11.79	11.84	11.82	13.00
15	64QAM	36	39	ANT3	11.74	11.89	11.82	13.00
15	64QAM	75	0	ANT3	11.79	11.88	11.78	13.00

Band				LTE Band2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18700	19193	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT3	14.94	15.09	14.93	16.00
20	QPSK	1	49	ANT3	14.82	14.96	14.88	16.00
20	QPSK	1	99	ANT3	14.85	14.87	14.72	16.00
20	QPSK	50	0	ANT3	14.03	14.08	13.93	15.00
20	QPSK	50	25	ANT3	14.01	14.02	13.93	15.00
20	QPSK	50	50	ANT3	13.93	13.96	13.93	15.00
20	QPSK	100	0	ANT3	13.86	13.98	13.85	15.00
20	16QAM	1	0	ANT3	14.23	14.28	14.22	15.00
20	16QAM	1	49	ANT3	14.53	14.66	14.53	15.00
20	16QAM	1	99	ANT3	14.22	14.32	14.25	15.00
20	16QAM	50	0	ANT3	12.94	12.99	12.95	14.00
20	16QAM	50	25	ANT3	12.89	13.03	12.92	14.00
20	16QAM	50	50	ANT3	12.90	12.97	12.93	14.00
20	16QAM	100	0	ANT3	12.88	12.98	12.85	14.00
20	64QAM	1	0	ANT3	13.24	13.35	13.29	14.00
20	64QAM	1	49	ANT3	13.61	13.67	13.60	14.00
20	64QAM	1	99	ANT3	13.27	13.34	13.28	14.00
20	64QAM	50	0	ANT3	11.96	12.00	11.92	13.00
20	64QAM	50	25	ANT3	11.91	11.99	11.87	13.00
20	64QAM	50	50	ANT3	11.80	11.94	11.86	13.00
20	64QAM	100	0	ANT3	11.82	11.95	11.91	13.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19957	20175	20393	Tune-up power(dBm)
1.4	QPSK	1	0	ANT3	14.72	14.87	14.81	16.00
1.4	QPSK	1	2	ANT3	14.79	14.82	14.69	16.00
1.4	QPSK	1	5	ANT3	14.66	14.77	14.75	16.00
1.4	QPSK	3	0	ANT3	14.75	14.85	14.83	16.00
1.4	QPSK	3	1	ANT3	14.76	14.81	14.66	16.00
1.4	QPSK	3	3	ANT3	14.66	14.77	14.76	16.00
1.4	QPSK	6	0	ANT3	13.74	13.83	13.82	15.00
1.4	16QAM	1	0	ANT3	14.10	14.18	14.17	15.00
1.4	16QAM	1	2	ANT3	14.15	14.26	14.21	15.00
1.4	16QAM	1	5	ANT3	14.02	14.15	14.05	15.00
1.4	16QAM	3	0	ANT3	13.88	14.00	13.93	15.00
1.4	16QAM	3	1	ANT3	14.02	14.04	13.92	15.00
1.4	16QAM	3	3	ANT3	13.90	14.02	13.88	15.00
1.4	16QAM	6	0	ANT3	12.75	12.76	12.62	14.00
1.4	64QAM	1	0	ANT3	12.80	12.83	12.80	14.00
1.4	64QAM	1	2	ANT3	13.04	13.09	13.08	14.00
1.4	64QAM	1	5	ANT3	12.75	12.83	12.68	14.00
1.4	64QAM	3	0	ANT3	12.80	12.93	12.87	14.00
1.4	64QAM	3	1	ANT3	12.96	12.97	12.87	14.00
1.4	64QAM	3	3	ANT3	12.93	12.96	12.94	14.00
1.4	64QAM	6	0	ANT3	12.00	12.09	12.07	13.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19965	20175	20385	Tune-up power(dBm)
3	QPSK	1	0	ANT3	14.68	14.82	14.66	16.00
3	QPSK	1	7	ANT3	14.60	14.74	14.53	16.00
3	QPSK	1	14	ANT3	14.30	14.44	14.40	16.00
3	QPSK	8	0	ANT3	13.76	13.87	13.69	15.00
3	QPSK	8	3	ANT3	13.48	13.62	13.64	15.00
3	QPSK	8	7	ANT3	13.42	13.47	13.35	15.00
3	QPSK	15	0	ANT3	13.74	13.75	13.61	15.00
3	16QAM	1	0	ANT3	14.02	14.03	13.94	15.00
3	16QAM	1	7	ANT3	14.30	14.41	14.36	15.00
3	16QAM	1	14	ANT3	13.97	14.05	13.96	15.00
3	16QAM	8	0	ANT3	12.78	12.83	12.83	14.00
3	16QAM	8	3	ANT3	12.74	12.70	12.56	14.00
3	16QAM	8	7	ANT3	12.70	12.75	12.76	14.00
3	16QAM	15	0	ANT3	12.63	12.77	12.51	14.00
3	64QAM	1	0	ANT3	13.03	13.25	13.07	14.00
3	64QAM	1	7	ANT3	13.39	13.50	13.45	14.00
3	64QAM	1	14	ANT3	13.11	13.15	13.07	14.00
3	64QAM	8	0	ANT3	11.83	11.79	11.72	13.00
3	64QAM	8	3	ANT3	11.67	11.72	11.57	13.00
3	64QAM	8	7	ANT3	11.62	11.72	11.73	13.00
3	64QAM	15	0	ANT3	11.64	11.69	11.71	13.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19975	20175	20375	Tune-up power(dBm)
5	QPSK	1	0	ANT3	14.71	14.84	14.70	16.00
5	QPSK	1	12	ANT3	14.62	14.73	14.60	16.00
5	QPSK	1	24	ANT3	14.31	14.43	14.32	16.00
5	QPSK	12	0	ANT3	13.65	13.80	13.70	15.00
5	QPSK	12	6	ANT3	13.54	13.66	13.65	15.00
5	QPSK	12	13	ANT3	13.43	13.47	13.42	15.00
5	QPSK	25	0	ANT3	13.73	13.78	13.58	15.00
5	16QAM	1	0	ANT3	14.11	14.15	13.90	15.00
5	16QAM	1	12	ANT3	14.25	14.33	14.36	15.00
5	16QAM	1	24	ANT3	14.05	14.02	14.07	15.00
5	16QAM	12	0	ANT3	12.74	12.80	12.75	14.00
5	16QAM	12	6	ANT3	12.72	12.74	12.66	14.00
5	16QAM	12	13	ANT3	12.59	12.74	12.65	14.00
5	16QAM	25	0	ANT3	12.74	12.75	12.62	14.00
5	64QAM	1	0	ANT3	13.03	13.28	13.19	14.00
5	64QAM	1	12	ANT3	13.34	13.55	13.40	14.00
5	64QAM	1	24	ANT3	13.12	13.25	13.12	14.00
5	64QAM	12	0	ANT3	11.85	11.87	11.71	13.00
5	64QAM	12	6	ANT3	11.61	11.81	11.60	13.00
5	64QAM	12	13	ANT3	11.68	11.81	11.72	13.00
5	64QAM	25	0	ANT3	11.58	11.79	11.64	13.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20000	20175	20350	Tune-up power(dBm)
10	QPSK	1	0	ANT3	14.73	14.74	14.64	16.00
10	QPSK	1	24	ANT3	14.48	14.70	14.56	16.00
10	QPSK	1	49	ANT3	14.28	14.51	14.35	16.00
10	QPSK	25	0	ANT3	13.72	13.81	13.67	15.00
10	QPSK	25	12	ANT3	13.45	13.62	13.56	15.00
10	QPSK	25	25	ANT3	13.37	13.52	13.37	15.00
10	QPSK	50	0	ANT3	13.74	13.75	13.66	15.00
10	16QAM	1	0	ANT3	14.09	14.07	13.94	15.00
10	16QAM	1	24	ANT3	14.25	14.39	14.29	15.00
10	16QAM	1	49	ANT3	13.97	14.03	14.02	15.00
10	16QAM	25	0	ANT3	12.67	12.84	12.86	14.00
10	16QAM	25	12	ANT3	12.76	12.73	12.63	14.00
10	16QAM	25	25	ANT3	12.68	12.75	12.76	14.00
10	16QAM	50	0	ANT3	12.63	12.75	12.62	14.00
10	64QAM	1	0	ANT3	13.08	13.24	13.07	14.00
10	64QAM	1	24	ANT3	13.45	13.47	13.45	14.00
10	64QAM	1	49	ANT3	13.02	13.14	13.07	14.00
10	64QAM	25	0	ANT3	11.72	11.81	11.62	13.00
10	64QAM	25	12	ANT3	11.58	11.72	11.67	13.00
10	64QAM	25	25	ANT3	11.66	11.84	11.67	13.00
10	64QAM	50	0	ANT3	11.65	11.78	11.60	13.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20025	20175	20325	Tune-up power(dBm)
15	QPSK	1	0	ANT3	14.63	14.82	14.72	16.00
15	QPSK	1	37	ANT3	14.48	14.67	14.50	16.00
15	QPSK	1	74	ANT3	14.37	14.51	14.46	16.00
15	QPSK	36	0	ANT3	13.67	13.85	13.66	15.00
15	QPSK	36	19	ANT3	13.54	13.69	13.62	15.00
15	QPSK	36	39	ANT3	13.45	13.45	13.44	15.00
15	QPSK	75	0	ANT3	13.77	13.80	13.65	15.00
15	16QAM	1	0	ANT3	14.04	14.14	13.97	15.00
15	16QAM	1	37	ANT3	14.35	14.43	14.27	15.00
15	16QAM	1	74	ANT3	14.03	14.04	14.01	15.00
15	16QAM	36	0	ANT3	12.76	12.88	12.83	14.00
15	16QAM	36	19	ANT3	12.65	12.81	12.61	14.00
15	16QAM	36	39	ANT3	12.66	12.75	12.77	14.00
15	16QAM	75	0	ANT3	12.62	12.75	12.57	14.00
15	64QAM	1	0	ANT3	13.14	13.23	13.10	14.00
15	64QAM	1	37	ANT3	13.43	13.53	13.49	14.00
15	64QAM	1	74	ANT3	13.10	13.26	13.13	14.00
15	64QAM	36	0	ANT3	11.76	11.77	11.60	13.00
15	64QAM	36	19	ANT3	11.59	11.72	11.61	13.00
15	64QAM	36	39	ANT3	11.62	11.73	11.62	13.00
15	64QAM	75	0	ANT3	11.59	11.73	11.70	13.00

Band				LTE Band4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20050	20175	20300	Tune-up power(dBm)
20	QPSK	1	0	ANT3	14.74	14.89	14.79	16.00
20	QPSK	1	49	ANT3	14.63	14.78	14.65	16.00
20	QPSK	1	99	ANT3	14.39	14.53	14.47	16.00
20	QPSK	50	0	ANT3	13.78	13.89	13.77	15.00
20	QPSK	50	25	ANT3	13.60	13.74	13.66	15.00
20	QPSK	50	50	ANT3	13.50	13.58	13.45	15.00
20	QPSK	100	0	ANT3	13.79	13.82	13.71	15.00
20	16QAM	1	0	ANT3	14.14	14.18	14.04	15.00
20	16QAM	1	49	ANT3	14.38	14.45	14.42	15.00
20	16QAM	1	99	ANT3	14.09	14.12	14.09	15.00
20	16QAM	50	0	ANT3	12.82	12.93	12.89	14.00
20	16QAM	50	25	ANT3	12.77	12.84	12.69	14.00
20	16QAM	50	50	ANT3	12.73	12.81	12.80	14.00
20	16QAM	100	0	ANT3	12.75	12.81	12.66	14.00
20	64QAM	1	0	ANT3	13.16	13.29	13.22	14.00
20	64QAM	1	49	ANT3	13.48	13.57	13.55	14.00
20	64QAM	1	99	ANT3	13.15	13.27	13.17	14.00
20	64QAM	50	0	ANT3	11.86	11.89	11.74	13.00
20	64QAM	50	25	ANT3	11.70	11.83	11.72	13.00
20	64QAM	50	50	ANT3	11.74	11.85	11.74	13.00
20	64QAM	100	0	ANT3	11.72	11.83	11.74	13.00

Band				LTE Band5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20407	20525	20643	Tune-up power(dBm)
1.4	QPSK	1	0	ANT3	18.28	18.39	18.31	19.50
1.4	QPSK	1	2	ANT3	18.32	18.34	18.29	19.50
1.4	QPSK	1	5	ANT3	18.18	18.27	18.25	19.50
1.4	QPSK	3	0	ANT3	18.26	18.36	18.27	19.50
1.4	QPSK	3	1	ANT3	18.27	18.31	18.22	19.50
1.4	QPSK	3	3	ANT3	18.18	18.29	18.23	19.50
1.4	QPSK	6	0	ANT3	17.33	17.41	17.26	18.50
1.4	16QAM	1	0	ANT3	17.40	17.46	17.37	18.50
1.4	16QAM	1	2	ANT3	17.56	17.57	17.50	18.50
1.4	16QAM	1	5	ANT3	17.33	17.44	17.36	18.50
1.4	16QAM	3	0	ANT3	17.36	17.50	17.49	18.50
1.4	16QAM	3	1	ANT3	17.34	17.47	17.34	18.50
1.4	16QAM	3	3	ANT3	17.29	17.44	17.39	18.50
1.4	16QAM	6	0	ANT3	16.53	16.59	16.47	17.50
1.4	64QAM	1	0	ANT3	16.80	16.90	16.87	17.50
1.4	64QAM	1	2	ANT3	16.96	17.03	16.98	17.50
1.4	64QAM	1	5	ANT3	16.65	16.73	16.65	17.50
1.4	64QAM	3	0	ANT3	16.76	16.82	16.80	17.50
1.4	64QAM	3	1	ANT3	16.55	16.70	16.67	17.50
1.4	64QAM	3	3	ANT3	16.70	16.78	16.77	17.50
1.4	64QAM	6	0	ANT3	15.31	15.39	15.30	16.50

Band				LTE Band5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20415	20525	20635	Tune-up power(dBm)
3	QPSK	1	0	ANT3	18.25	18.41	18.31	19.50
3	QPSK	1	7	ANT3	18.27	18.36	18.25	19.50
3	QPSK	1	14	ANT3	18.22	18.28	18.22	19.50
3	QPSK	8	0	ANT3	17.30	17.44	17.29	18.50
3	QPSK	8	3	ANT3	17.22	17.39	17.33	18.50
3	QPSK	8	7	ANT3	17.31	17.32	17.26	18.50
3	QPSK	15	0	ANT3	17.34	17.40	17.22	18.50
3	16QAM	1	0	ANT3	17.59	17.62	17.61	18.50
3	16QAM	1	7	ANT3	17.59	17.84	17.69	18.50
3	16QAM	1	14	ANT3	17.68	17.61	17.57	18.50
3	16QAM	8	0	ANT3	16.40	16.32	16.26	17.50
3	16QAM	8	3	ANT3	16.25	16.32	16.35	17.50
3	16QAM	8	7	ANT3	16.16	16.39	16.32	17.50
3	16QAM	15	0	ANT3	16.31	16.41	16.38	17.50
3	64QAM	1	0	ANT3	16.34	16.41	16.36	17.50
3	64QAM	1	7	ANT3	16.42	16.48	16.31	17.50
3	64QAM	1	14	ANT3	16.40	16.41	16.23	17.50
3	64QAM	8	0	ANT3	15.40	15.36	15.30	16.50
3	64QAM	8	3	ANT3	15.33	15.44	15.29	16.50
3	64QAM	8	7	ANT3	15.26	15.42	15.34	16.50
3	64QAM	15	0	ANT3	15.28	15.43	15.31	16.50

Band				LTE Band5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20425	20525	20625	Tune-up power(dBm)
5	QPSK	1	0	ANT3	18.23	18.37	18.35	19.50
5	QPSK	1	12	ANT3	18.27	18.35	18.36	19.50
5	QPSK	1	24	ANT3	18.21	18.33	18.27	19.50
5	QPSK	12	0	ANT3	17.29	17.39	17.38	18.50
5	QPSK	12	6	ANT3	17.22	17.30	17.24	18.50
5	QPSK	12	13	ANT3	17.24	17.28	17.22	18.50
5	QPSK	25	0	ANT3	17.39	17.33	17.25	18.50
5	16QAM	1	0	ANT3	17.54	17.66	17.70	18.50
5	16QAM	1	12	ANT3	17.63	17.73	17.70	18.50
5	16QAM	1	24	ANT3	17.60	17.57	17.59	18.50
5	16QAM	12	0	ANT3	16.42	16.35	16.33	17.50
5	16QAM	12	6	ANT3	16.36	16.35	16.37	17.50
5	16QAM	12	13	ANT3	16.20	16.29	16.27	17.50
5	16QAM	25	0	ANT3	16.33	16.35	16.37	17.50
5	64QAM	1	0	ANT3	16.31	16.40	16.38	17.50
5	64QAM	1	12	ANT3	16.49	16.47	16.42	17.50
5	64QAM	1	24	ANT3	16.36	16.36	16.27	17.50
5	64QAM	12	0	ANT3	15.35	15.44	15.38	16.50
5	64QAM	12	6	ANT3	15.41	15.32	15.23	16.50
5	64QAM	12	13	ANT3	15.27	15.36	15.27	16.50
5	64QAM	25	0	ANT3	15.28	15.41	15.26	16.50

Band				LTE Band5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20450	20525	20600	Tune-up power(dBm)
10	QPSK	1	0	ANT3	18.38	18.48	18.40	19.50
10	QPSK	1	24	ANT3	18.39	18.42	18.40	19.50
10	QPSK	1	49	ANT3	18.33	18.38	18.36	19.50
10	QPSK	25	0	ANT3	17.31	17.46	17.40	18.50
10	QPSK	25	12	ANT3	17.35	17.42	17.39	18.50
10	QPSK	25	25	ANT3	17.36	17.39	17.33	18.50
10	QPSK	50	0	ANT3	17.40	17.44	17.35	18.50
10	16QAM	1	0	ANT3	17.65	17.76	17.75	18.50
10	16QAM	1	24	ANT3	17.72	17.87	17.79	18.50
10	16QAM	1	49	ANT3	17.70	17.72	17.71	18.50
10	16QAM	25	0	ANT3	16.46	16.47	16.36	17.50
10	16QAM	25	12	ANT3	16.39	16.45	16.39	17.50
10	16QAM	25	25	ANT3	16.31	16.44	16.40	17.50
10	16QAM	50	0	ANT3	16.43	16.45	16.42	17.50
10	64QAM	1	0	ANT3	16.44	16.49	16.44	17.50
10	64QAM	1	24	ANT3	16.50	16.54	16.43	17.50
10	64QAM	1	49	ANT3	16.41	16.49	16.38	17.50
10	64QAM	25	0	ANT3	15.46	15.51	15.45	16.50
10	64QAM	25	12	ANT3	15.45	15.47	15.32	16.50
10	64QAM	25	25	ANT3	15.34	15.48	15.41	16.50
10	64QAM	50	0	ANT3	15.34	15.45	15.40	16.50

Band				LTE Band7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20775	21100	21425	Tune-up power(dBm)
5	QPSK	1	0	ANT3	14.87	14.99	14.83	15.50
5	QPSK	1	12	ANT3	14.82	14.95	14.74	15.50
5	QPSK	1	24	ANT3	14.63	14.73	14.66	15.50
5	QPSK	12	0	ANT3	13.78	13.96	13.73	14.50
5	QPSK	12	6	ANT3	13.82	13.92	13.75	14.50
5	QPSK	12	13	ANT3	13.71	13.76	13.67	14.50
5	QPSK	25	0	ANT3	13.84	13.92	13.88	14.50
5	16QAM	1	0	ANT3	14.04	14.20	14.10	15.00
5	16QAM	1	12	ANT3	14.50	14.49	14.38	15.00
5	16QAM	1	24	ANT3	14.05	14.06	14.07	15.00
5	16QAM	12	0	ANT3	12.75	12.91	12.77	13.50
5	16QAM	12	6	ANT3	12.71	12.92	12.79	13.50
5	16QAM	12	13	ANT3	12.80	12.96	12.84	13.50
5	16QAM	25	0	ANT3	12.75	12.84	12.76	13.50
5	64QAM	1	0	ANT3	13.08	13.17	13.22	14.00
5	64QAM	1	12	ANT3	13.52	13.55	13.52	14.00
5	64QAM	1	24	ANT3	13.09	13.18	13.19	14.00
5	64QAM	12	0	ANT3	11.86	11.90	11.82	12.50
5	64QAM	12	6	ANT3	11.78	11.92	11.84	12.50
5	64QAM	12	13	ANT3	11.90	11.92	11.88	12.50
5	64QAM	25	0	ANT3	11.72	11.87	11.95	12.50

Band				LTE Band7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20800	21100	21400	Tune-up power(dBm)
10	QPSK	1	0	ANT3	14.95	14.99	14.89	15.50
10	QPSK	1	24	ANT3	14.80	14.89	14.83	15.50
10	QPSK	1	49	ANT3	14.69	14.73	14.71	15.50
10	QPSK	25	0	ANT3	13.79	13.90	13.80	14.50
10	QPSK	25	12	ANT3	13.88	13.89	13.75	14.50
10	QPSK	25	25	ANT3	13.72	13.75	13.71	14.50
10	QPSK	50	0	ANT3	13.87	13.89	13.86	14.50
10	16QAM	1	0	ANT3	14.12	14.14	14.07	15.00
10	16QAM	1	24	ANT3	14.38	14.47	14.48	15.00
10	16QAM	1	49	ANT3	14.01	14.11	14.09	15.00
10	16QAM	25	0	ANT3	12.84	12.88	12.78	13.50
10	16QAM	25	12	ANT3	12.84	12.85	12.89	13.50
10	16QAM	25	25	ANT3	12.83	12.86	12.83	13.50
10	16QAM	50	0	ANT3	12.73	12.85	12.81	13.50
10	64QAM	1	0	ANT3	13.05	13.22	13.13	14.00
10	64QAM	1	24	ANT3	13.44	13.63	13.46	14.00
10	64QAM	1	49	ANT3	13.05	13.14	13.06	14.00
10	64QAM	25	0	ANT3	11.85	11.87	11.94	12.50
10	64QAM	25	12	ANT3	11.77	11.89	11.79	12.50
10	64QAM	25	25	ANT3	11.90	11.92	11.87	12.50
10	64QAM	50	0	ANT3	11.74	11.86	11.84	12.50

Band				LTE Band7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20825	21100	21375	Tune-up power(dBm)
15	QPSK	1	0	ANT3	14.93	14.97	14.86	15.50
15	QPSK	1	37	ANT3	14.84	14.94	14.79	15.50
15	QPSK	1	74	ANT3	14.65	14.77	14.67	15.50
15	QPSK	36	0	ANT3	13.79	13.89	13.78	14.50
15	QPSK	36	19	ANT3	13.81	13.86	13.73	14.50
15	QPSK	36	39	ANT3	13.71	13.79	13.62	14.50
15	QPSK	75	0	ANT3	13.81	13.96	13.89	14.50
15	16QAM	1	0	ANT3	14.06	14.13	14.16	15.00
15	16QAM	1	37	ANT3	14.41	14.49	14.47	15.00
15	16QAM	1	74	ANT3	14.03	14.06	14.05	15.00
15	16QAM	36	0	ANT3	12.72	12.84	12.78	13.50
15	16QAM	36	19	ANT3	12.74	12.91	12.89	13.50
15	16QAM	36	39	ANT3	12.77	12.93	12.90	13.50
15	16QAM	75	0	ANT3	12.71	12.84	12.83	13.50
15	64QAM	1	0	ANT3	13.12	13.28	13.27	14.00
15	64QAM	1	37	ANT3	13.44	13.57	13.53	14.00
15	64QAM	1	74	ANT3	13.17	13.27	13.09	14.00
15	64QAM	36	0	ANT3	11.74	11.98	11.86	12.50
15	64QAM	36	19	ANT3	11.75	11.88	11.79	12.50
15	64QAM	36	39	ANT3	11.83	11.88	11.86	12.50
15	64QAM	75	0	ANT3	11.84	11.99	11.94	12.50

Band				LTE Band7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20850	21100	21350	Tune-up power(dBm)
20	QPSK	1	0	ANT3	14.99	15.03	14.96	15.50
20	QPSK	1	49	ANT3	14.92	14.96	14.84	15.50
20	QPSK	1	99	ANT3	14.72	14.86	14.79	15.50
20	QPSK	50	0	ANT3	13.93	14.00	13.86	14.50
20	QPSK	50	25	ANT3	13.91	13.95	13.83	14.50
20	QPSK	50	50	ANT3	13.85	13.87	13.72	14.50
20	QPSK	100	0	ANT3	13.92	13.99	13.91	14.50
20	16QAM	1	0	ANT3	14.15	14.28	14.21	15.00
20	16QAM	1	49	ANT3	14.53	14.58	14.50	15.00
20	16QAM	1	99	ANT3	14.15	14.20	14.15	15.00
20	16QAM	50	0	ANT3	12.87	12.96	12.86	13.50
20	16QAM	50	25	ANT3	12.86	12.95	12.94	13.50
20	16QAM	50	50	ANT3	12.86	12.99	12.97	13.50
20	16QAM	100	0	ANT3	12.83	12.98	12.91	13.50
20	64QAM	1	0	ANT3	13.19	13.32	13.28	14.00
20	64QAM	1	49	ANT3	13.57	13.67	13.54	14.00
20	64QAM	1	99	ANT3	13.19	13.29	13.21	14.00
20	64QAM	50	0	ANT3	11.88	12.02	11.96	12.50
20	64QAM	50	25	ANT3	11.89	12.01	11.88	12.50
20	64QAM	50	50	ANT3	11.94	12.02	11.95	12.50
20	64QAM	100	0	ANT3	11.85	12.00	11.98	12.50

Band				LTE Band12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23017	23095	23173	Tune-up power(dBm)
1.4	QPSK	1	0	ANT3	16.46	16.59	16.46	17.50
1.4	QPSK	1	2	ANT3	16.54	16.56	16.48	17.50
1.4	QPSK	1	5	ANT3	16.40	16.52	16.42	17.50
1.4	QPSK	3	0	ANT3	16.54	16.55	16.50	17.50
1.4	QPSK	3	1	ANT3	16.40	16.53	16.50	17.50
1.4	QPSK	3	3	ANT3	16.45	16.51	16.48	17.50
1.4	QPSK	6	0	ANT3	15.56	15.64	15.51	16.50
1.4	16QAM	1	0	ANT3	15.86	15.87	15.86	16.50
1.4	16QAM	1	2	ANT3	15.82	15.97	15.83	16.50
1.4	16QAM	1	5	ANT3	15.84	15.89	15.82	16.50
1.4	16QAM	3	0	ANT3	15.66	15.71	15.64	16.50
1.4	16QAM	3	1	ANT3	15.63	15.77	15.70	16.50
1.4	16QAM	3	3	ANT3	15.64	15.74	15.70	16.50
1.4	16QAM	6	0	ANT3	14.44	14.55	14.50	15.50
1.4	64QAM	1	0	ANT3	14.46	14.59	14.48	15.50
1.4	64QAM	1	2	ANT3	14.56	14.71	14.61	15.50
1.4	64QAM	1	5	ANT3	14.53	14.63	14.55	15.50
1.4	64QAM	3	0	ANT3	14.46	14.60	14.53	15.50
1.4	64QAM	3	1	ANT3	14.64	14.66	14.57	15.50
1.4	64QAM	3	3	ANT3	14.55	14.70	14.58	15.50
1.4	64QAM	6	0	ANT3	13.70	13.79	13.68	14.50

Band				LTE Band12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23025	23095	23165	Tune-up power(dBm)
3	QPSK	1	0	ANT3	16.53	16.62	16.59	17.50
3	QPSK	1	7	ANT3	16.47	16.50	16.47	17.50
3	QPSK	1	14	ANT3	16.44	16.47	16.39	17.50
3	QPSK	8	0	ANT3	15.45	15.58	15.44	16.50
3	QPSK	8	3	ANT3	15.43	15.56	15.39	16.50
3	QPSK	8	7	ANT3	15.23	15.40	15.28	16.50
3	QPSK	15	0	ANT3	15.27	15.43	15.39	16.50
3	16QAM	1	0	ANT3	15.73	15.80	15.77	16.50
3	16QAM	1	7	ANT3	15.79	15.91	15.71	16.50
3	16QAM	1	14	ANT3	15.84	15.74	15.63	16.50
3	16QAM	8	0	ANT3	14.38	14.40	14.32	15.50
3	16QAM	8	3	ANT3	14.42	14.53	14.29	15.50
3	16QAM	8	7	ANT3	14.36	14.36	14.34	15.50
3	16QAM	15	0	ANT3	14.23	14.35	14.29	15.50
3	64QAM	1	0	ANT3	14.55	14.58	14.49	15.50
3	64QAM	1	7	ANT3	14.48	14.67	14.56	15.50
3	64QAM	1	14	ANT3	14.39	14.57	14.45	15.50
3	64QAM	8	0	ANT3	13.29	13.38	13.32	14.50
3	64QAM	8	3	ANT3	13.47	13.43	13.45	14.50
3	64QAM	8	7	ANT3	13.27	13.40	13.19	14.50
3	64QAM	15	0	ANT3	13.24	13.43	13.14	14.50

Band				LTE Band12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23035	23095	23155	Tune-up power(dBm)
5	QPSK	1	0	ANT3	16.51	16.58	16.57	17.50
5	QPSK	1	12	ANT3	16.53	16.54	16.49	17.50
5	QPSK	1	24	ANT3	16.43	16.45	16.38	17.50
5	QPSK	12	0	ANT3	15.50	15.55	15.39	16.50
5	QPSK	12	6	ANT3	15.42	15.51	15.51	16.50
5	QPSK	12	13	ANT3	15.23	15.40	15.35	16.50
5	QPSK	25	0	ANT3	15.28	15.32	15.25	16.50
5	16QAM	1	0	ANT3	15.75	15.83	15.75	16.50
5	16QAM	1	12	ANT3	15.87	15.97	15.82	16.50
5	16QAM	1	24	ANT3	15.77	15.73	15.64	16.50
5	16QAM	12	0	ANT3	14.28	14.34	14.41	15.50
5	16QAM	12	6	ANT3	14.34	14.44	14.35	15.50
5	16QAM	12	13	ANT3	14.34	14.35	14.31	15.50
5	16QAM	25	0	ANT3	14.25	14.36	14.26	15.50
5	64QAM	1	0	ANT3	14.43	14.62	14.42	15.50
5	64QAM	1	12	ANT3	14.43	14.55	14.61	15.50
5	64QAM	1	24	ANT3	14.50	14.55	14.45	15.50
5	64QAM	12	0	ANT3	13.33	13.40	13.31	14.50
5	64QAM	12	6	ANT3	13.36	13.53	13.48	14.50
5	64QAM	12	13	ANT3	13.26	13.46	13.21	14.50
5	64QAM	25	0	ANT3	13.29	13.40	13.23	14.50

Band				LTE Band12				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23060	23095	23130	Tune-up power(dBm)
10	QPSK	1	0	ANT3	16.59	16.63	16.61	17.50
10	QPSK	1	24	ANT3	16.59	16.60	16.57	17.50
10	QPSK	1	49	ANT3	16.47	16.52	16.50	17.50
10	QPSK	25	0	ANT3	15.59	15.62	15.54	16.50
10	QPSK	25	12	ANT3	15.48	15.58	15.52	16.50
10	QPSK	25	25	ANT3	15.36	15.45	15.36	16.50
10	QPSK	50	0	ANT3	15.35	15.45	15.40	16.50
10	16QAM	1	0	ANT3	15.76	15.91	15.88	16.50
10	16QAM	1	24	ANT3	15.90	15.98	15.86	16.50
10	16QAM	1	49	ANT3	15.85	15.88	15.74	16.50
10	16QAM	25	0	ANT3	14.39	14.46	14.44	15.50
10	16QAM	25	12	ANT3	14.47	14.57	14.43	15.50
10	16QAM	25	25	ANT3	14.43	14.48	14.36	15.50
10	16QAM	50	0	ANT3	14.33	14.44	14.30	15.50
10	64QAM	1	0	ANT3	14.56	14.71	14.57	15.50
10	64QAM	1	24	ANT3	14.57	14.68	14.62	15.50
10	64QAM	1	49	ANT3	14.51	14.65	14.56	15.50
10	64QAM	25	0	ANT3	13.34	13.44	13.35	14.50
10	64QAM	25	12	ANT3	13.49	13.57	13.55	14.50
10	64QAM	25	25	ANT3	13.37	13.47	13.32	14.50
10	64QAM	50	0	ANT3	13.35	13.44	13.29	14.50

Band				LTE Band13				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23205	23230	23255	Tune-up power(dBm)
5	QPSK	1	0	ANT3	17.57	17.63	17.53	18.50
5	QPSK	1	12	ANT3	17.54	17.57	17.51	18.50
5	QPSK	1	24	ANT3	17.38	17.44	17.41	18.50
5	QPSK	12	0	ANT3	16.54	16.61	16.49	17.50
5	QPSK	12	6	ANT3	16.58	16.59	16.47	17.50
5	QPSK	12	13	ANT3	16.44	16.46	16.38	17.50
5	QPSK	25	0	ANT3	16.52	16.49	16.52	17.50
5	16QAM	1	0	ANT3	16.38	16.38	16.45	17.50
5	16QAM	1	12	ANT3	16.51	16.57	16.49	17.50
5	16QAM	1	24	ANT3	16.40	16.45	16.46	17.50
5	16QAM	12	0	ANT3	15.53	15.58	15.62	16.50
5	16QAM	12	6	ANT3	15.54	15.55	15.45	16.50
5	16QAM	12	13	ANT3	15.56	15.56	15.55	16.50
5	16QAM	25	0	ANT3	15.49	15.48	15.50	16.50
5	64QAM	1	0	ANT3	15.71	15.83	15.84	16.50
5	64QAM	1	12	ANT3	15.85	15.91	15.82	16.50
5	64QAM	1	24	ANT3	15.69	15.71	15.69	16.50
5	64QAM	12	0	ANT3	14.63	14.61	14.55	15.50
5	64QAM	12	6	ANT3	14.55	14.58	14.58	15.50
5	64QAM	12	13	ANT3	14.56	14.60	14.60	15.50
5	64QAM	25	0	ANT3	14.58	14.53	14.55	15.50

Band				LTE Band13				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23230		Tune-up power(dBm)	
10	QPSK	1	0	ANT3		17.67		18.50
10	QPSK	1	24	ANT3		17.61		18.50
10	QPSK	1	49	ANT3		17.43		18.50
10	QPSK	25	0	ANT3		16.64		17.50
10	QPSK	25	12	ANT3		16.60		17.50
10	QPSK	25	25	ANT3		16.52		17.50
10	QPSK	50	0	ANT3		16.59		17.50
10	16QAM	1	0	ANT3		16.53		17.50
10	16QAM	1	24	ANT3		16.60		17.50
10	16QAM	1	49	ANT3		16.47		17.50
10	16QAM	25	0	ANT3		15.63		16.50
10	16QAM	25	12	ANT3		15.60		16.50
10	16QAM	25	25	ANT3		15.59		16.50
10	16QAM	50	0	ANT3		15.59		16.50
10	64QAM	1	0	ANT3		15.85		16.50
10	64QAM	1	24	ANT3		15.96		16.50
10	64QAM	1	49	ANT3		15.82		16.50
10	64QAM	25	0	ANT3		14.68		15.50
10	64QAM	25	12	ANT3		14.66		15.50
10	64QAM	25	25	ANT3		14.64		15.50
10	64QAM	50	0	ANT3		14.62		15.50

Band				LTE Band17				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23755	23790	23825	Tune-up power(dBm)
5	QPSK	1	0	ANT3	16.43	16.46	16.47	17.50
5	QPSK	1	12	ANT3	16.64	16.62	16.67	17.50
5	QPSK	1	24	ANT3	16.44	16.41	16.44	17.50
5	QPSK	12	0	ANT3	15.38	15.51	15.55	16.50
5	QPSK	12	6	ANT3	15.55	15.52	15.54	16.50
5	QPSK	12	13	ANT3	15.50	15.44	15.50	16.50
5	QPSK	25	0	ANT3	15.45	15.44	15.51	16.50
5	16QAM	1	0	ANT3	15.59	15.98	15.63	16.50
5	16QAM	1	12	ANT3	15.79	16.18	15.84	16.50
5	16QAM	1	24	ANT3	15.59	15.95	15.61	16.50
5	16QAM	12	0	ANT3	14.41	14.61	14.60	15.50
5	16QAM	12	6	ANT3	14.58	14.62	14.57	15.50
5	16QAM	12	13	ANT3	14.51	14.57	14.52	15.50
5	16QAM	25	0	ANT3	14.45	14.53	14.47	15.50
5	64QAM	1	0	ANT3	14.34	14.71	14.71	15.50
5	64QAM	1	12	ANT3	14.59	14.92	14.88	15.50
5	64QAM	1	24	ANT3	14.35	14.71	14.66	15.50
5	64QAM	12	0	ANT3	13.33	13.40	13.56	14.50
5	64QAM	12	6	ANT3	13.49	13.42	13.53	14.50
5	64QAM	12	13	ANT3	13.45	13.34	13.53	14.50
5	64QAM	25	0	ANT3	13.37	13.39	13.49	14.50

Band				LTE Band17				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	23780	23790	23800	Tune-up power(dBm)
10	QPSK	1	0	ANT3	16.62	16.67	16.56	17.50
10	QPSK	1	24	ANT3	16.58	16.63	16.58	17.50
10	QPSK	1	49	ANT3	16.37	16.51	16.41	17.50
10	QPSK	25	0	ANT3	15.46	15.57	15.53	16.50
10	QPSK	25	12	ANT3	15.46	15.54	15.50	16.50
10	QPSK	25	25	ANT3	15.43	15.48	15.45	16.50
10	QPSK	50	0	ANT3	15.49	15.56	15.54	16.50
10	16QAM	1	0	ANT3	15.80	15.90	15.85	16.50
10	16QAM	1	24	ANT3	15.96	16.00	15.99	16.50
10	16QAM	1	49	ANT3	15.85	15.89	15.86	16.50
10	16QAM	25	0	ANT3	14.52	14.59	14.46	15.50
10	16QAM	25	12	ANT3	14.53	14.60	14.49	15.50
10	16QAM	25	25	ANT3	14.45	14.53	14.40	15.50
10	16QAM	50	0	ANT3	14.37	14.51	14.42	15.50
10	64QAM	1	0	ANT3	14.49	14.59	14.47	15.50
10	64QAM	1	24	ANT3	14.65	14.71	14.67	15.50
10	64QAM	1	49	ANT3	14.61	14.62	14.56	15.50
10	64QAM	25	0	ANT3	13.50	13.58	13.52	14.50
10	64QAM	25	12	ANT3	13.59	13.61	13.59	14.50
10	64QAM	25	25	ANT3	13.47	13.52	13.45	14.50
10	64QAM	50	0	ANT3	13.40	13.53	13.52	14.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26697	26865	27033	Tune-up power(dBm)
1.4	QPSK	1	0	ANT3	18.43	18.42	18.27	19.50
1.4	QPSK	1	2	ANT3	18.53	18.55	18.43	19.50
1.4	QPSK	1	5	ANT3	18.41	18.41	18.27	19.50
1.4	QPSK	3	0	ANT3	18.52	18.47	18.45	19.50
1.4	QPSK	3	1	ANT3	18.56	18.53	18.50	19.50
1.4	QPSK	3	3	ANT3	18.55	18.46	18.51	19.50
1.4	QPSK	6	0	ANT3	17.53	17.46	17.41	18.50
1.4	16QAM	1	0	ANT3	17.70	17.81	17.46	18.50
1.4	16QAM	1	2	ANT3	17.74	17.94	17.51	18.50
1.4	16QAM	1	5	ANT3	17.65	17.80	17.44	18.50
1.4	16QAM	3	0	ANT3	17.66	17.70	17.64	18.50
1.4	16QAM	3	1	ANT3	17.64	17.73	17.72	18.50
1.4	16QAM	3	3	ANT3	17.64	17.70	17.66	18.50
1.4	16QAM	6	0	ANT3	16.72	16.41	16.67	17.50
1.4	64QAM	1	0	ANT3	16.87	16.53	16.65	17.50
1.4	64QAM	1	2	ANT3	17.08	16.68	16.73	17.50
1.4	64QAM	1	5	ANT3	16.87	16.49	16.65	17.50
1.4	64QAM	3	0	ANT3	16.94	16.56	16.44	17.50
1.4	64QAM	3	1	ANT3	16.94	16.66	16.51	17.50
1.4	64QAM	3	3	ANT3	16.90	16.58	16.47	17.50
1.4	64QAM	6	0	ANT3	15.54	15.87	15.56	16.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26705	26865	27025	Tune-up power(dBm)
3	QPSK	1	0	ANT3	18.51	18.56	18.43	19.50
3	QPSK	1	7	ANT3	18.43	18.50	18.37	19.50
3	QPSK	1	14	ANT3	18.13	18.33	18.14	19.50
3	QPSK	8	0	ANT3	17.44	17.60	17.44	18.50
3	QPSK	8	3	ANT3	17.37	17.52	17.45	18.50
3	QPSK	8	7	ANT3	17.28	17.32	17.20	18.50
3	QPSK	15	0	ANT3	17.23	17.42	17.45	18.50
3	16QAM	1	0	ANT3	17.61	17.64	17.49	18.50
3	16QAM	1	7	ANT3	17.83	17.89	17.78	18.50
3	16QAM	1	14	ANT3	17.57	17.63	17.50	18.50
3	16QAM	8	0	ANT3	16.49	16.45	16.46	17.50
3	16QAM	8	3	ANT3	16.39	16.51	16.40	17.50
3	16QAM	8	7	ANT3	16.45	16.41	16.33	17.50
3	16QAM	15	0	ANT3	16.30	16.41	16.28	17.50
3	64QAM	1	0	ANT3	16.42	16.37	16.34	17.50
3	64QAM	1	7	ANT3	16.59	16.62	16.65	17.50
3	64QAM	1	14	ANT3	16.35	16.34	16.28	17.50
3	64QAM	8	0	ANT3	15.27	15.52	15.33	16.50
3	64QAM	8	3	ANT3	15.42	15.49	15.39	16.50
3	64QAM	8	7	ANT3	15.39	15.44	15.25	16.50
3	64QAM	15	0	ANT3	15.38	15.44	15.23	16.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26715	26865	27015	Tune-up power(dBm)
5	QPSK	1	0	ANT3	18.51	18.66	18.51	19.50
5	QPSK	1	12	ANT3	18.54	18.59	18.49	19.50
5	QPSK	1	24	ANT3	18.19	18.29	18.19	19.50
5	QPSK	12	0	ANT3	17.52	17.54	17.45	18.50
5	QPSK	12	6	ANT3	17.35	17.48	17.42	18.50
5	QPSK	12	13	ANT3	17.23	17.31	17.22	18.50
5	QPSK	25	0	ANT3	17.27	17.41	17.37	18.50
5	16QAM	1	0	ANT3	17.58	17.70	17.50	18.50
5	16QAM	1	12	ANT3	17.73	17.92	17.79	18.50
5	16QAM	1	24	ANT3	17.57	17.73	17.59	18.50
5	16QAM	12	0	ANT3	16.43	16.55	16.41	17.50
5	16QAM	12	6	ANT3	16.50	16.41	16.33	17.50
5	16QAM	12	13	ANT3	16.41	16.36	16.40	17.50
5	16QAM	25	0	ANT3	16.29	16.36	16.33	17.50
5	64QAM	1	0	ANT3	16.34	16.44	16.33	17.50
5	64QAM	1	12	ANT3	16.61	16.70	16.60	17.50
5	64QAM	1	24	ANT3	16.22	16.33	16.32	17.50
5	64QAM	12	0	ANT3	15.30	15.43	15.37	16.50
5	64QAM	12	6	ANT3	15.43	15.52	15.35	16.50
5	64QAM	12	13	ANT3	15.36	15.37	15.28	16.50
5	64QAM	25	0	ANT3	15.34	15.41	15.23	16.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26740	26865	26990	Tune-up power(dBm)
10	QPSK	1	0	ANT3	18.42	18.61	18.46	19.50
10	QPSK	1	24	ANT3	18.48	18.57	18.44	19.50
10	QPSK	1	49	ANT3	18.17	18.29	18.19	19.50
10	QPSK	25	0	ANT3	17.42	17.52	17.45	18.50
10	QPSK	25	12	ANT3	17.33	17.57	17.44	18.50
10	QPSK	25	25	ANT3	17.30	17.33	17.25	18.50
10	QPSK	50	0	ANT3	17.28	17.42	17.43	18.50
10	16QAM	1	0	ANT3	17.63	17.76	17.47	18.50
10	16QAM	1	24	ANT3	17.79	17.93	17.74	18.50
10	16QAM	1	49	ANT3	17.62	17.69	17.56	18.50
10	16QAM	25	0	ANT3	16.43	16.47	16.37	17.50
10	16QAM	25	12	ANT3	16.51	16.41	16.35	17.50
10	16QAM	25	25	ANT3	16.37	16.41	16.35	17.50
10	16QAM	50	0	ANT3	16.33	16.42	16.30	17.50
10	64QAM	1	0	ANT3	16.38	16.37	16.35	17.50
10	64QAM	1	24	ANT3	16.55	16.76	16.62	17.50
10	64QAM	1	49	ANT3	16.34	16.43	16.28	17.50
10	64QAM	25	0	ANT3	15.29	15.43	15.35	16.50
10	64QAM	25	12	ANT3	15.35	15.39	15.42	16.50
10	64QAM	25	25	ANT3	15.27	15.42	15.23	16.50
10	64QAM	50	0	ANT3	15.37	15.42	15.20	16.50

Band				LTE Band26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26765	26865	26965	Tune-up power(dBm)
15	QPSK	1	0	ANT3	18.54	18.67	18.53	19.50
15	QPSK	1	37	ANT3	18.58	18.62	18.51	19.50
15	QPSK	1	74	ANT3	18.28	18.40	18.25	19.50
15	QPSK	36	0	ANT3	17.53	17.63	17.58	18.50
15	QPSK	36	19	ANT3	17.44	17.58	17.47	18.50
15	QPSK	36	39	ANT3	17.34	17.43	17.30	18.50
15	QPSK	75	0	ANT3	17.35	17.50	17.46	18.50
15	16QAM	1	0	ANT3	17.68	17.77	17.62	18.50
15	16QAM	1	37	ANT3	17.87	18.02	17.88	18.50
15	16QAM	1	74	ANT3	17.71	17.74	17.65	18.50
15	16QAM	36	0	ANT3	16.54	16.58	16.48	17.50
15	16QAM	36	19	ANT3	16.54	16.55	16.47	17.50
15	16QAM	36	39	ANT3	16.49	16.50	16.46	17.50
15	16QAM	75	0	ANT3	16.41	16.51	16.37	17.50
15	64QAM	1	0	ANT3	16.46	16.51	16.37	17.50
15	64QAM	1	37	ANT3	16.63	16.77	16.70	17.50
15	64QAM	1	74	ANT3	16.37	16.47	16.42	17.50
15	64QAM	36	0	ANT3	15.42	15.57	15.45	16.50
15	64QAM	36	19	ANT3	15.48	15.53	15.50	16.50
15	64QAM	36	39	ANT3	15.40	15.49	15.34	16.50
15	64QAM	75	0	ANT3	15.44	15.48	15.33	16.50

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT3	15.76	15.81	15.98	17.00
1.4	QPSK	1	2	ANT3	15.84	15.92	16.00	17.00
1.4	QPSK	1	5	ANT3	15.75	15.79	15.90	17.00
1.4	QPSK	3	0	ANT3	15.83	15.86	15.97	17.00
1.4	QPSK	3	1	ANT3	15.91	15.94	16.04	17.00
1.4	QPSK	3	3	ANT3	15.89	15.93	15.95	17.00
1.4	QPSK	6	0	ANT3	14.83	14.88	14.94	16.00
1.4	16QAM	1	0	ANT3	14.85	14.95	15.27	16.00
1.4	16QAM	1	2	ANT3	14.92	15.03	15.35	16.00
1.4	16QAM	1	5	ANT3	14.83	14.95	15.28	16.00
1.4	16QAM	3	0	ANT3	15.02	14.91	15.08	16.00
1.4	16QAM	3	1	ANT3	15.08	14.97	15.15	16.00
1.4	16QAM	3	3	ANT3	15.03	14.91	15.12	16.00
1.4	16QAM	6	0	ANT3	14.04	14.07	13.89	15.00
1.4	64QAM	1	0	ANT3	14.02	14.22	13.96	15.00
1.4	64QAM	1	2	ANT3	14.12	14.38	14.10	15.00
1.4	64QAM	1	5	ANT3	14.02	14.22	13.95	15.00
1.4	64QAM	3	0	ANT3	13.80	14.23	14.09	15.00
1.4	64QAM	3	1	ANT3	13.89	14.29	14.13	15.00
1.4	64QAM	3	3	ANT3	13.83	14.24	14.10	15.00
1.4	64QAM	6	0	ANT3	12.98	12.90	13.33	14.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT3	15.79	15.84	15.70	17.00
3	QPSK	1	7	ANT3	15.58	15.71	15.58	17.00
3	QPSK	1	14	ANT3	15.49	15.57	15.40	17.00
3	QPSK	8	0	ANT3	14.78	14.86	14.79	16.00
3	QPSK	8	3	ANT3	14.56	14.67	14.60	16.00
3	QPSK	8	7	ANT3	14.59	14.75	14.63	16.00
3	QPSK	15	0	ANT3	14.63	14.83	14.75	16.00
3	16QAM	1	0	ANT3	15.09	15.09	14.95	16.00
3	16QAM	1	7	ANT3	15.37	15.45	15.38	16.00
3	16QAM	1	14	ANT3	14.94	14.99	15.00	16.00
3	16QAM	8	0	ANT3	13.70	13.83	13.83	15.00
3	16QAM	8	3	ANT3	13.76	13.87	13.74	15.00
3	16QAM	8	7	ANT3	13.68	13.81	13.70	15.00
3	16QAM	15	0	ANT3	13.68	13.85	13.75	15.00
3	64QAM	1	0	ANT3	14.11	14.32	14.23	15.00
3	64QAM	1	7	ANT3	14.63	14.57	14.62	15.00
3	64QAM	1	14	ANT3	14.26	14.23	14.06	15.00
3	64QAM	8	0	ANT3	12.84	12.84	12.75	14.00
3	64QAM	8	3	ANT3	12.78	12.84	12.63	14.00
3	64QAM	8	7	ANT3	12.81	12.91	12.74	14.00
3	64QAM	15	0	ANT3	12.71	12.75	12.70	14.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT3	15.72	15.82	15.69	17.00
5	QPSK	1	12	ANT3	15.62	15.71	15.61	17.00
5	QPSK	1	24	ANT3	15.42	15.54	15.36	17.00
5	QPSK	12	0	ANT3	14.67	14.85	14.76	16.00
5	QPSK	12	6	ANT3	14.69	14.70	14.62	16.00
5	QPSK	12	13	ANT3	14.60	14.61	14.55	16.00
5	QPSK	25	0	ANT3	14.59	14.80	14.76	16.00
5	16QAM	1	0	ANT3	15.12	15.07	14.93	16.00
5	16QAM	1	12	ANT3	15.40	15.46	15.32	16.00
5	16QAM	1	24	ANT3	14.93	15.04	15.02	16.00
5	16QAM	12	0	ANT3	13.73	13.87	13.85	15.00
5	16QAM	12	6	ANT3	13.70	13.76	13.75	15.00
5	16QAM	12	13	ANT3	13.66	13.84	13.82	15.00
5	16QAM	25	0	ANT3	13.69	13.78	13.72	15.00
5	64QAM	1	0	ANT3	14.22	14.25	14.22	15.00
5	64QAM	1	12	ANT3	14.62	14.54	14.53	15.00
5	64QAM	1	24	ANT3	14.17	14.18	14.16	15.00
5	64QAM	12	0	ANT3	12.79	12.89	12.73	14.00
5	64QAM	12	6	ANT3	12.74	12.85	12.72	14.00
5	64QAM	12	13	ANT3	12.84	12.86	12.69	14.00
5	64QAM	25	0	ANT3	12.69	12.87	12.63	14.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT3	15.77	15.84	15.65	17.00
10	QPSK	1	24	ANT3	15.70	15.73	15.64	17.00
10	QPSK	1	49	ANT3	15.42	15.44	15.36	17.00
10	QPSK	25	0	ANT3	14.80	14.85	14.76	16.00
10	QPSK	25	12	ANT3	14.60	14.76	14.61	16.00
10	QPSK	25	25	ANT3	14.59	14.65	14.59	16.00
10	QPSK	50	0	ANT3	14.73	14.82	14.73	16.00
10	16QAM	1	0	ANT3	15.12	15.04	15.05	16.00
10	16QAM	1	24	ANT3	15.28	15.50	15.39	16.00
10	16QAM	1	49	ANT3	14.84	15.05	14.95	16.00
10	16QAM	25	0	ANT3	13.75	13.85	13.85	15.00
10	16QAM	25	12	ANT3	13.82	13.86	13.72	15.00
10	16QAM	25	25	ANT3	13.80	13.86	13.75	15.00
10	16QAM	50	0	ANT3	13.69	13.74	13.80	15.00
10	64QAM	1	0	ANT3	14.16	14.22	14.12	15.00
10	64QAM	1	24	ANT3	14.57	14.60	14.59	15.00
10	64QAM	1	49	ANT3	14.14	14.28	14.08	15.00
10	64QAM	25	0	ANT3	12.85	12.84	12.77	14.00
10	64QAM	25	12	ANT3	12.75	12.80	12.65	14.00
10	64QAM	25	25	ANT3	12.83	12.90	12.65	14.00
10	64QAM	50	0	ANT3	12.77	12.76	12.60	14.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT3	15.71	15.80	15.67	17.00
15	QPSK	1	37	ANT3	15.66	15.67	15.65	17.00
15	QPSK	1	74	ANT3	15.43	15.51	15.39	17.00
15	QPSK	36	0	ANT3	14.78	14.80	14.78	16.00
15	QPSK	36	19	ANT3	14.66	14.68	14.59	16.00
15	QPSK	36	39	ANT3	14.60	14.71	14.66	16.00
15	QPSK	75	0	ANT3	14.69	14.79	14.80	16.00
15	16QAM	1	0	ANT3	15.11	15.08	15.00	16.00
15	16QAM	1	37	ANT3	15.38	15.42	15.37	16.00
15	16QAM	1	74	ANT3	14.82	15.09	15.05	16.00
15	16QAM	36	0	ANT3	13.69	13.89	13.90	15.00
15	16QAM	36	19	ANT3	13.71	13.87	13.75	15.00
15	16QAM	36	39	ANT3	13.74	13.85	13.70	15.00
15	16QAM	75	0	ANT3	13.68	13.74	13.83	15.00
15	64QAM	1	0	ANT3	14.25	14.34	14.24	15.00
15	64QAM	1	37	ANT3	14.62	14.56	14.62	15.00
15	64QAM	1	74	ANT3	14.22	14.19	14.13	15.00
15	64QAM	36	0	ANT3	12.75	12.84	12.67	14.00
15	64QAM	36	19	ANT3	12.73	12.78	12.69	14.00
15	64QAM	36	39	ANT3	12.79	12.84	12.76	14.00
15	64QAM	75	0	ANT3	12.73	12.77	12.69	14.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT3	15.80	15.89	15.77	17.00
20	QPSK	1	49	ANT3	15.72	15.74	15.72	17.00
20	QPSK	1	99	ANT3	15.57	15.59	15.45	17.00
20	QPSK	50	0	ANT3	14.82	14.88	14.82	16.00
20	QPSK	50	25	ANT3	14.71	14.82	14.70	16.00
20	QPSK	50	50	ANT3	14.74	14.76	14.67	16.00
20	QPSK	100	0	ANT3	14.74	14.84	14.83	16.00
20	16QAM	1	0	ANT3	15.13	15.16	15.08	16.00
20	16QAM	1	49	ANT3	15.42	15.55	15.46	16.00
20	16QAM	1	99	ANT3	14.97	15.12	15.09	16.00
20	16QAM	50	0	ANT3	13.81	13.94	13.92	15.00
20	16QAM	50	25	ANT3	13.85	13.91	13.83	15.00
20	16QAM	50	50	ANT3	13.81	13.89	13.85	15.00
20	16QAM	100	0	ANT3	13.77	13.88	13.85	15.00
20	64QAM	1	0	ANT3	14.26	14.37	14.25	15.00
20	64QAM	1	49	ANT3	14.65	14.68	14.66	15.00
20	64QAM	1	99	ANT3	14.28	14.33	14.18	15.00
20	64QAM	50	0	ANT3	12.90	12.96	12.81	14.00
20	64QAM	50	25	ANT3	12.79	12.91	12.78	14.00
20	64QAM	50	50	ANT3	12.91	12.94	12.80	14.00
20	64QAM	100	0	ANT3	12.81	12.90	12.75	14.00

Band				LTE Band38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37775	38000	38225	Tune-up power(dBm)
5	QPSK	1	0	ANT3	16.83	16.98	16.83	18.00
5	QPSK	1	12	ANT3	16.86	16.92	16.77	18.00
5	QPSK	1	24	ANT3	16.66	16.73	16.65	18.00
5	QPSK	12	0	ANT3	15.84	15.90	15.85	17.00
5	QPSK	12	6	ANT3	15.69	15.84	15.74	17.00
5	QPSK	12	13	ANT3	15.66	15.70	15.60	17.00
5	QPSK	25	0	ANT3	15.69	15.84	15.77	17.00
5	16QAM	1	0	ANT3	15.63	15.67	15.71	17.00
5	16QAM	1	12	ANT3	16.06	16.12	16.03	17.00
5	16QAM	1	24	ANT3	15.71	15.74	15.76	17.00
5	16QAM	12	0	ANT3	14.78	14.78	14.66	16.00
5	16QAM	12	6	ANT3	14.70	14.82	14.76	16.00
5	16QAM	12	13	ANT3	14.78	14.90	14.87	16.00
5	16QAM	25	0	ANT3	14.82	14.96	14.71	16.00
5	64QAM	1	0	ANT3	14.74	14.66	14.66	16.00
5	64QAM	1	12	ANT3	15.01	15.11	14.99	16.00
5	64QAM	1	24	ANT3	14.61	14.80	14.72	16.00
5	64QAM	12	0	ANT3	13.76	13.75	13.74	15.00
5	64QAM	12	6	ANT3	13.70	13.77	13.66	15.00
5	64QAM	12	13	ANT3	13.85	13.83	13.87	15.00
5	64QAM	25	0	ANT3	13.82	13.90	13.88	15.00

Band				LTE Band38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37800	38000	38200	Tune-up power(dBm)
10	QPSK	1	0	ANT3	16.89	16.98	16.84	18.00
10	QPSK	1	24	ANT3	16.75	16.82	16.80	18.00
10	QPSK	1	49	ANT3	16.68	16.74	16.66	18.00
10	QPSK	25	0	ANT3	15.87	15.96	15.80	17.00
10	QPSK	25	12	ANT3	15.75	15.81	15.71	17.00
10	QPSK	25	25	ANT3	15.77	15.78	15.66	17.00
10	QPSK	50	0	ANT3	15.72	15.87	15.69	17.00
10	16QAM	1	0	ANT3	15.67	15.73	15.59	17.00
10	16QAM	1	24	ANT3	16.15	16.14	16.05	17.00
10	16QAM	1	49	ANT3	15.62	15.81	15.76	17.00
10	16QAM	25	0	ANT3	14.79	14.85	14.77	16.00
10	16QAM	25	12	ANT3	14.69	14.79	14.82	16.00
10	16QAM	25	25	ANT3	14.90	14.93	14.93	16.00
10	16QAM	50	0	ANT3	14.77	14.91	14.74	16.00
10	64QAM	1	0	ANT3	14.70	14.69	14.74	16.00
10	64QAM	1	24	ANT3	14.93	15.09	14.98	16.00
10	64QAM	1	49	ANT3	14.70	14.69	14.76	16.00
10	64QAM	25	0	ANT3	13.82	13.84	13.68	15.00
10	64QAM	25	12	ANT3	13.75	13.82	13.66	15.00
10	64QAM	25	25	ANT3	13.88	13.85	13.87	15.00
10	64QAM	50	0	ANT3	13.81	13.92	13.87	15.00

Band				LTE Band38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37825	38000	38175	Tune-up power(dBm)
15	QPSK	1	0	ANT3	16.82	16.94	16.87	18.00
15	QPSK	1	37	ANT3	16.73	16.86	16.75	18.00
15	QPSK	1	74	ANT3	16.55	16.78	16.63	18.00
15	QPSK	36	0	ANT3	15.82	15.88	15.83	17.00
15	QPSK	36	19	ANT3	15.74	15.78	15.73	17.00
15	QPSK	36	39	ANT3	15.71	15.69	15.70	17.00
15	QPSK	75	0	ANT3	15.74	15.92	15.72	17.00
15	16QAM	1	0	ANT3	15.63	15.77	15.62	17.00
15	16QAM	1	37	ANT3	16.04	16.12	16.11	17.00
15	16QAM	1	74	ANT3	15.72	15.72	15.79	17.00
15	16QAM	36	0	ANT3	14.87	14.81	14.80	16.00
15	16QAM	36	19	ANT3	14.75	14.91	14.85	16.00
15	16QAM	36	39	ANT3	14.82	14.92	14.80	16.00
15	16QAM	75	0	ANT3	14.76	14.89	14.72	16.00
15	64QAM	1	0	ANT3	14.73	14.76	14.69	16.00
15	64QAM	1	37	ANT3	14.96	15.05	15.07	16.00
15	64QAM	1	74	ANT3	14.68	14.80	14.76	16.00
15	64QAM	36	0	ANT3	13.78	13.75	13.70	15.00
15	64QAM	36	19	ANT3	13.71	13.82	13.70	15.00
15	64QAM	36	39	ANT3	13.87	13.87	13.80	15.00
15	64QAM	75	0	ANT3	13.89	13.86	13.81	15.00

Band				LTE Band38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37850	38000	38150	Tune-up power(dBm)
20	QPSK	1	0	ANT3	16.97	17.04	16.94	18.00
20	QPSK	1	49	ANT3	16.87	16.96	16.86	18.00
20	QPSK	1	99	ANT3	16.69	16.79	16.78	18.00
20	QPSK	50	0	ANT3	15.96	15.98	15.94	17.00
20	QPSK	50	25	ANT3	15.81	15.92	15.82	17.00
20	QPSK	50	50	ANT3	15.78	15.84	15.74	17.00
20	QPSK	100	0	ANT3	15.81	15.95	15.84	17.00
20	16QAM	1	0	ANT3	15.70	15.82	15.73	17.00
20	16QAM	1	49	ANT3	16.16	16.18	16.13	17.00
20	16QAM	1	99	ANT3	15.75	15.84	15.82	17.00
20	16QAM	50	0	ANT3	14.91	14.93	14.81	16.00
20	16QAM	50	25	ANT3	14.82	14.92	14.89	16.00
20	16QAM	50	50	ANT3	14.91	14.97	14.94	16.00
20	16QAM	100	0	ANT3	14.83	14.97	14.83	16.00
20	64QAM	1	0	ANT3	14.76	14.80	14.76	16.00
20	64QAM	1	49	ANT3	15.07	15.13	15.11	16.00
20	64QAM	1	99	ANT3	14.76	14.82	14.81	16.00
20	64QAM	50	0	ANT3	13.89	13.90	13.82	15.00
20	64QAM	50	25	ANT3	13.85	13.90	13.80	15.00
20	64QAM	50	50	ANT3	13.89	13.93	13.90	15.00
20	64QAM	100	0	ANT3	13.94	13.96	13.94	15.00

Band				LTE Band41				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39675	40620	41565	Tune-up power(dBm)
5	QPSK	1	0	ANT3	16.73	16.91	16.80	18.00
5	QPSK	1	12	ANT3	16.66	16.89	16.75	18.00
5	QPSK	1	24	ANT3	16.56	16.58	16.57	18.00
5	QPSK	12	0	ANT3	15.71	15.80	15.68	17.00
5	QPSK	12	6	ANT3	15.77	15.81	15.77	17.00
5	QPSK	12	13	ANT3	15.57	15.65	15.57	17.00
5	QPSK	25	0	ANT3	15.75	15.75	15.87	17.00
5	16QAM	1	0	ANT3	15.88	15.90	15.83	17.00
5	16QAM	1	12	ANT3	16.24	16.33	16.17	17.00
5	16QAM	1	24	ANT3	15.90	15.93	15.75	17.00
5	16QAM	12	0	ANT3	14.77	14.85	14.77	16.00
5	16QAM	12	6	ANT3	14.69	14.87	14.73	16.00
5	16QAM	12	13	ANT3	14.78	14.94	14.82	16.00
5	16QAM	25	0	ANT3	14.82	14.86	14.77	16.00
5	64QAM	1	0	ANT3	14.91	14.91	14.87	16.00
5	64QAM	1	12	ANT3	15.24	15.23	15.25	16.00
5	64QAM	1	24	ANT3	14.91	14.99	14.78	16.00
5	64QAM	12	0	ANT3	13.78	13.85	13.75	15.00
5	64QAM	12	6	ANT3	13.69	13.81	13.71	15.00
5	64QAM	12	13	ANT3	13.82	13.83	13.74	15.00
5	64QAM	25	0	ANT3	13.72	13.90	13.73	15.00

Band				LTE Band41				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39700	40620	41540	Tune-up power(dBm)
10	QPSK	1	0	ANT3	16.78	16.94	16.83	18.00
10	QPSK	1	24	ANT3	16.63	16.88	16.76	18.00
10	QPSK	1	49	ANT3	16.50	16.61	16.53	18.00
10	QPSK	25	0	ANT3	15.75	15.89	15.71	17.00
10	QPSK	25	12	ANT3	15.74	15.82	15.69	17.00
10	QPSK	25	25	ANT3	15.64	15.68	15.62	17.00
10	QPSK	50	0	ANT3	15.78	15.87	15.74	17.00
10	16QAM	1	0	ANT3	15.77	15.99	15.94	17.00
10	16QAM	1	24	ANT3	16.20	16.21	16.18	17.00
10	16QAM	1	49	ANT3	15.94	15.90	15.79	17.00
10	16QAM	25	0	ANT3	14.80	14.81	14.72	16.00
10	16QAM	25	12	ANT3	14.79	14.82	14.73	16.00
10	16QAM	25	25	ANT3	14.85	14.94	14.90	16.00
10	16QAM	50	0	ANT3	14.69	14.80	14.74	16.00
10	64QAM	1	0	ANT3	14.97	15.01	14.78	16.00
10	64QAM	1	24	ANT3	15.29	15.26	15.26	16.00
10	64QAM	1	49	ANT3	14.99	15.03	14.80	16.00
10	64QAM	25	0	ANT3	13.74	13.78	13.85	15.00
10	64QAM	25	12	ANT3	13.73	13.76	13.73	15.00
10	64QAM	25	25	ANT3	13.72	13.81	13.76	15.00
10	64QAM	50	0	ANT3	13.74	13.84	13.80	15.00

Band				LTE Band41				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39725	40620	41515	Tune-up power(dBm)
15	QPSK	1	0	ANT3	16.77	16.95	16.78	18.00
15	QPSK	1	37	ANT3	16.66	16.80	16.79	18.00
15	QPSK	1	74	ANT3	16.47	16.65	16.47	18.00
15	QPSK	36	0	ANT3	15.68	15.88	15.70	17.00
15	QPSK	36	19	ANT3	15.75	15.79	15.76	17.00
15	QPSK	36	39	ANT3	15.66	15.61	15.63	17.00
15	QPSK	75	0	ANT3	15.85	15.87	15.87	17.00
15	16QAM	1	0	ANT3	15.84	15.99	15.83	17.00
15	16QAM	1	37	ANT3	16.24	16.31	16.26	17.00
15	16QAM	1	74	ANT3	15.90	15.88	15.84	17.00
15	16QAM	36	0	ANT3	14.83	14.90	14.69	16.00
15	16QAM	36	19	ANT3	14.69	14.93	14.77	16.00
15	16QAM	36	39	ANT3	14.80	14.81	14.83	16.00
15	16QAM	75	0	ANT3	14.69	14.80	14.74	16.00
15	64QAM	1	0	ANT3	14.99	15.00	14.78	16.00
15	64QAM	1	37	ANT3	15.26	15.22	15.27	16.00
15	64QAM	1	74	ANT3	14.92	14.99	14.92	16.00
15	64QAM	36	0	ANT3	13.76	13.88	13.87	15.00
15	64QAM	36	19	ANT3	13.71	13.76	13.79	15.00
15	64QAM	36	39	ANT3	13.76	13.87	13.76	15.00
15	64QAM	75	0	ANT3	13.76	13.89	13.80	15.00

Band				LTE Band41				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	39750	40620	41490	Tune-up power(dBm)
20	QPSK	1	0	ANT3	16.84	16.98	16.92	18.00
20	QPSK	1	49	ANT3	16.77	16.91	16.87	18.00
20	QPSK	1	99	ANT3	16.58	16.67	16.60	18.00
20	QPSK	50	0	ANT3	15.79	15.94	15.81	17.00
20	QPSK	50	25	ANT3	15.79	15.89	15.79	17.00
20	QPSK	50	50	ANT3	15.67	15.76	15.71	17.00
20	QPSK	100	0	ANT3	15.89	15.90	15.89	17.00
20	16QAM	1	0	ANT3	15.90	16.02	15.98	17.00
20	16QAM	1	49	ANT3	16.25	16.35	16.28	17.00
20	16QAM	1	99	ANT3	15.99	16.03	15.88	17.00
20	16QAM	50	0	ANT3	14.90	14.93	14.81	16.00
20	16QAM	50	25	ANT3	14.82	14.94	14.79	16.00
20	16QAM	50	50	ANT3	14.93	14.95	14.94	16.00
20	16QAM	100	0	ANT3	14.84	14.93	14.78	16.00
20	64QAM	1	0	ANT3	15.02	15.03	14.90	16.00
20	64QAM	1	49	ANT3	15.34	15.36	15.32	16.00
20	64QAM	1	99	ANT3	15.04	15.06	14.93	16.00
20	64QAM	50	0	ANT3	13.87	13.90	13.88	15.00
20	64QAM	50	25	ANT3	13.75	13.90	13.82	15.00
20	64QAM	50	50	ANT3	13.85	13.91	13.87	15.00
20	64QAM	100	0	ANT3	13.77	13.91	13.82	15.00