

8 CONDUCTED RF OUPUT POWER

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8.1.1 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	ANT5	31.69	31.77	31.74	32.50	9.19	22.50	22.58	22.55	23.31
GPRS 1Slots	ANT5	31.64	31.73	31.70	32.50	9.19	22.45	22.54	22.51	23.31
GPRS 2Slots	ANT5	30.33	30.43	30.38	31.00	6.13	24.20	24.30	24.25	24.87
GPRS 3Slots	ANT5	28.77	28.83	28.76	29.50	4.42	24.35	24.41	24.34	25.08
GPRS 4Slots	ANT5	27.53	27.60	27.48	28.50	3.18	24.35	24.42	24.30	25.32
EGPRS 1Slots	ANT5	27.13	27.20	27.14	28.00	9.19	17.94	18.01	17.95	18.81
EGPRS 2Slots	ANT5	25.90	26.10	25.98	27.00	6.13	19.77	19.97	19.85	20.87
EGPRS 3Slots	ANT5	23.52	23.58	23.49	24.50	4.42	19.10	19.16	19.07	20.08
EGPRS 4Slots	ANT5	22.24	22.37	22.29	23.50	3.18	19.06	19.19	19.11	20.32

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	ANT5	28.43	28.47	28.31	29.50	9.19	19.24	19.28	19.12	20.31
GPRS 1Slots	ANT5	28.46	28.45	28.26	29.50	9.19	19.27	19.26	19.07	20.31
GPRS 2Slots	ANT5	26.60	26.77	26.43	27.50	6.13	20.47	20.64	20.30	21.37
GPRS 3Slots	ANT5	24.91	25.17	24.77	26.00	4.42	20.49	20.75	20.35	21.58
GPRS 4Slots	ANT5	23.86	24.05	23.78	25.00	3.18	20.68	20.87	20.60	21.82
EGPRS 1Slots	ANT5	26.02	26.12	26.10	27.00	9.19	16.83	16.93	16.91	17.81
EGPRS 2Slots	ANT5	24.93	25.07	24.80	26.00	6.13	18.80	18.94	18.67	19.87
EGPRS 3Slots	ANT5	22.76	22.80	22.61	24.00	4.42	18.34	18.38	18.19	19.58
EGPRS 4Slots	ANT5	21.54	21.78	21.76	22.50	3.18	18.36	18.60	18.58	19.32

8.2.1 WCDMA Output Power

WCDMA					
WCDMA B2	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		9262	9400	9538	
RMC	ANT5	22.06	22.17	22.05	23.00
HSDPA Subtest-1	ANT5	21.05	21.17	21.06	22.00
HSDPA Subtest-2	ANT5	21.01	21.10	20.99	22.00
HSDPA Subtest-3	ANT5	20.52	20.63	20.49	21.50
HSDPA Subtest-4	ANT5	20.53	20.62	20.52	21.50
HSUPA Subtest-1	ANT5	21.00	20.97	20.87	22.00
HSUPA Subtest-2	ANT5	18.93	19.09	18.95	20.00
HSUPA Subtest-3	ANT5	19.92	19.96	19.95	21.00
HSUPA Subtest-4	ANT5	18.97	19.01	18.85	20.00
HSUPA Subtest-5	ANT5	20.87	21.09	20.90	22.00
HSPA+	ANT5	18.74	18.76	18.65	19.50

WCDMA					
WCDMA B4	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		1312	1412	1513	
RMC	ANT5	21.99	22.14	22.03	23.00
HSDPA Subtest-1	ANT5	20.91	21.05	20.94	22.00
HSDPA Subtest-2	ANT5	20.98	21.09	20.96	22.00
HSDPA Subtest-3	ANT5	20.39	20.60	20.39	21.50
HSDPA Subtest-4	ANT5	20.39	20.48	20.44	21.50
HSUPA Subtest-1	ANT5	20.90	20.84	20.76	22.00
HSUPA Subtest-2	ANT5	18.81	18.99	18.86	20.00
HSUPA Subtest-3	ANT5	19.83	19.91	19.81	21.00
HSUPA Subtest-4	ANT5	18.86	18.89	18.79	20.00
HSUPA Subtest-5	ANT5	20.79	21.08	20.81	22.00
HSPA+	ANT5	18.73	18.71	18.53	19.50

WCDMA					
WCDMA B5	ANT	Output power(dBm)			Tune-up Limit Power(dBm)
Channel		4132	4183	4233	
RMC	ANT5	22.19	22.26	22.06	23.00
HSDPA Subtest-1	ANT5	21.18	21.17	21.10	22.00
HSDPA Subtest-2	ANT5	21.03	21.18	21.13	22.00
HSDPA Subtest-3	ANT5	20.65	20.71	20.60	21.50
HSDPA Subtest-4	ANT5	20.57	20.71	20.65	21.50
HSUPA Subtest-1	ANT5	21.11	20.97	20.92	22.00
HSUPA Subtest-2	ANT5	18.93	19.11	18.98	20.00
HSUPA Subtest-3	ANT5	20.06	20.06	20.08	21.00
HSUPA Subtest-4	ANT5	18.98	19.07	18.85	20.00
HSUPA Subtest-5	ANT5	20.99	21.12	21.00	22.00
HSPA+	ANT5	18.86	18.78	18.65	19.50

8.3.1 LTE Band2 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	ANT5	22.77	22.78	22.72	24.00
1.4	QPSK	1	2	ANT5	22.57	22.71	22.61	24.00
1.4	QPSK	1	5	ANT5	22.48	22.60	22.53	24.00
1.4	QPSK	3	0	ANT5	22.64	22.75	22.65	24.00
1.4	QPSK	3	1	ANT5	22.61	22.72	22.65	24.00
1.4	QPSK	3	3	ANT5	22.66	22.71	22.67	24.00
1.4	QPSK	6	0	ANT5	21.60	21.75	21.73	23.00
1.4	16QAM	1	0	ANT5	21.84	21.98	21.94	23.00
1.4	16QAM	1	2	ANT5	22.06	22.09	21.99	23.00
1.4	16QAM	1	5	ANT5	21.92	21.99	21.90	23.00
1.4	16QAM	3	0	ANT5	21.91	21.95	21.91	23.00
1.4	16QAM	3	1	ANT5	21.84	21.95	21.92	23.00
1.4	16QAM	3	3	ANT5	21.96	21.97	21.86	23.00
1.4	16QAM	6	0	ANT5	20.67	20.78	20.71	22.00
1.4	64QAM	1	0	ANT5	20.89	20.97	20.96	22.00
1.4	64QAM	1	2	ANT5	20.92	21.02	20.88	22.00
1.4	64QAM	1	5	ANT5	20.89	20.90	20.78	22.00
1.4	64QAM	3	0	ANT5	20.90	21.05	20.99	22.00
1.4	64QAM	3	1	ANT5	20.96	21.09	21.02	22.00
1.4	64QAM	3	3	ANT5	21.01	21.06	20.91	22.00
1.4	64QAM	6	0	ANT5	20.03	20.17	20.11	21.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT5	22.67	22.83	22.66	24.00
3	QPSK	1	7	ANT5	22.65	22.81	22.77	24.00
3	QPSK	1	14	ANT5	22.56	22.63	22.56	24.00
3	QPSK	8	0	ANT5	21.64	21.81	21.84	23.00
3	QPSK	8	3	ANT5	21.65	21.77	21.77	23.00
3	QPSK	8	7	ANT5	21.70	21.71	21.71	23.00
3	QPSK	15	0	ANT5	21.79	21.74	21.70	23.00
3	16QAM	1	0	ANT5	22.00	22.18	22.08	23.00
3	16QAM	1	7	ANT5	22.34	22.43	22.28	23.00
3	16QAM	1	14	ANT5	22.15	22.22	22.10	23.00
3	16QAM	8	0	ANT5	20.62	20.70	20.69	22.00
3	16QAM	8	3	ANT5	20.86	20.98	20.80	22.00
3	16QAM	8	7	ANT5	20.94	20.89	20.88	22.00
3	16QAM	15	0	ANT5	20.73	20.83	20.82	22.00
3	64QAM	1	0	ANT5	21.30	21.42	21.25	22.00
3	64QAM	1	7	ANT5	21.52	21.53	21.59	22.00
3	64QAM	1	14	ANT5	21.22	21.48	21.31	22.00
3	64QAM	8	0	ANT5	19.80	19.89	19.88	21.00
3	64QAM	8	3	ANT5	19.76	19.94	19.90	21.00
3	64QAM	8	7	ANT5	19.86	19.96	19.78	21.00
3	64QAM	15	0	ANT5	19.75	19.89	19.68	21.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT5	22.69	22.78	22.67	24.00
5	QPSK	1	12	ANT5	22.57	22.77	22.66	24.00
5	QPSK	1	24	ANT5	22.53	22.71	22.64	24.00
5	QPSK	12	0	ANT5	21.67	21.81	21.81	23.00
5	QPSK	12	6	ANT5	21.76	21.84	21.76	23.00
5	QPSK	12	13	ANT5	21.58	21.84	21.74	23.00
5	QPSK	25	0	ANT5	21.81	21.76	21.61	23.00
5	16QAM	1	0	ANT5	22.00	22.15	22.08	23.00
5	16QAM	1	12	ANT5	22.28	22.30	22.33	23.00
5	16QAM	1	24	ANT5	22.13	22.23	22.20	23.00
5	16QAM	12	0	ANT5	20.57	20.75	20.71	22.00
5	16QAM	12	6	ANT5	20.89	20.86	20.89	22.00
5	16QAM	12	13	ANT5	20.92	20.88	20.85	22.00
5	16QAM	25	0	ANT5	20.72	20.88	20.84	22.00
5	64QAM	1	0	ANT5	21.28	21.41	21.23	22.00
5	64QAM	1	12	ANT5	21.44	21.56	21.55	22.00
5	64QAM	1	24	ANT5	21.25	21.42	21.38	22.00
5	64QAM	12	0	ANT5	19.67	19.89	19.88	21.00
5	64QAM	12	6	ANT5	19.83	19.99	19.90	21.00
5	64QAM	12	13	ANT5	19.95	19.88	19.84	21.00
5	64QAM	25	0	ANT5	19.85	19.86	19.68	21.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT5	22.67	22.77	22.67	24.00
10	QPSK	1	24	ANT5	22.57	22.75	22.69	24.00
10	QPSK	1	49	ANT5	22.50	22.65	22.57	24.00
10	QPSK	25	0	ANT5	21.67	21.92	21.87	23.00
10	QPSK	25	12	ANT5	21.70	21.83	21.80	23.00
10	QPSK	25	25	ANT5	21.56	21.83	21.74	23.00
10	QPSK	50	0	ANT5	21.75	21.85	21.63	23.00
10	16QAM	1	0	ANT5	22.01	22.15	22.14	23.00
10	16QAM	1	24	ANT5	22.35	22.31	22.25	23.00
10	16QAM	1	49	ANT5	22.05	22.24	22.07	23.00
10	16QAM	25	0	ANT5	20.60	20.78	20.70	22.00
10	16QAM	25	12	ANT5	20.98	20.94	20.84	22.00
10	16QAM	25	25	ANT5	20.97	20.92	20.76	22.00
10	16QAM	50	0	ANT5	20.77	20.92	20.84	22.00
10	64QAM	1	0	ANT5	21.36	21.30	21.33	22.00
10	64QAM	1	24	ANT5	21.45	21.55	21.48	22.00
10	64QAM	1	49	ANT5	21.25	21.46	21.36	22.00
10	64QAM	25	0	ANT5	19.68	19.83	19.86	21.00
10	64QAM	25	12	ANT5	19.79	20.00	19.85	21.00
10	64QAM	25	25	ANT5	19.82	19.88	19.83	21.00
10	64QAM	50	0	ANT5	19.84	19.84	19.70	21.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT5	22.67	22.84	22.68	24.00
15	QPSK	1	37	ANT5	22.62	22.73	22.72	24.00
15	QPSK	1	74	ANT5	22.50	22.66	22.58	24.00
15	QPSK	36	0	ANT5	21.77	21.90	21.77	23.00
15	QPSK	36	19	ANT5	21.64	21.82	21.81	23.00
15	QPSK	36	39	ANT5	21.69	21.84	21.73	23.00
15	QPSK	75	0	ANT5	21.78	21.74	21.58	23.00
15	16QAM	1	0	ANT5	22.01	22.16	22.08	23.00
15	16QAM	1	37	ANT5	22.36	22.37	22.19	23.00
15	16QAM	1	74	ANT5	22.14	22.20	22.13	23.00
15	16QAM	36	0	ANT5	20.61	20.77	20.71	22.00
15	16QAM	36	19	ANT5	20.88	20.96	20.84	22.00
15	16QAM	36	39	ANT5	20.95	20.94	20.78	22.00
15	16QAM	75	0	ANT5	20.64	20.89	20.83	22.00
15	64QAM	1	0	ANT5	21.36	21.35	21.25	22.00
15	64QAM	1	37	ANT5	21.54	21.57	21.47	22.00
15	64QAM	1	74	ANT5	21.27	21.47	21.32	22.00
15	64QAM	36	0	ANT5	19.75	19.91	19.84	21.00
15	64QAM	36	19	ANT5	19.89	19.97	19.86	21.00
15	64QAM	36	39	ANT5	19.86	19.92	19.77	21.00
15	64QAM	75	0	ANT5	19.76	19.88	19.73	21.00

Band				LTE B2				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT5	22.79	22.87	22.76	24.00
20	QPSK	1	49	ANT5	22.70	22.83	22.79	24.00
20	QPSK	1	99	ANT5	22.58	22.73	22.68	24.00
20	QPSK	50	0	ANT5	21.79	21.94	21.90	23.00
20	QPSK	50	25	ANT5	21.77	21.92	21.84	23.00
20	QPSK	50	50	ANT5	21.71	21.86	21.84	23.00
20	QPSK	100	0	ANT5	21.86	21.87	21.73	23.00
20	16QAM	1	0	ANT5	22.15	22.21	22.17	23.00
20	16QAM	1	49	ANT5	22.42	22.45	22.34	23.00
20	16QAM	1	99	ANT5	22.16	22.27	22.21	23.00
20	16QAM	50	0	ANT5	20.72	20.85	20.82	22.00
20	16QAM	50	25	ANT5	21.00	21.01	20.95	22.00
20	16QAM	50	50	ANT5	20.98	21.02	20.91	22.00
20	16QAM	100	0	ANT5	20.79	20.94	20.89	22.00
20	64QAM	1	0	ANT5	21.37	21.45	21.37	22.00
20	64QAM	1	49	ANT5	21.56	21.64	21.62	22.00
20	64QAM	1	99	ANT5	21.36	21.50	21.40	22.00
20	64QAM	50	0	ANT5	19.82	19.92	19.89	21.00
20	64QAM	50	25	ANT5	19.90	20.03	19.97	21.00
20	64QAM	50	50	ANT5	19.96	20.00	19.90	21.00
20	64QAM	100	0	ANT5	19.88	19.91	19.77	21.00

8.3.2 LTE Band4 Output Power

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19957	20175	20393	Tune-up power(dBm)
1.4	QPSK	1	0	ANT5	22.73	22.78	22.71	24.00
1.4	QPSK	1	2	ANT5	22.60	22.73	22.69	24.00
1.4	QPSK	1	5	ANT5	22.54	22.65	22.52	24.00
1.4	QPSK	3	0	ANT5	22.71	22.77	22.68	24.00
1.4	QPSK	3	1	ANT5	22.72	22.74	22.64	24.00
1.4	QPSK	3	3	ANT5	22.72	22.71	22.61	24.00
1.4	QPSK	6	0	ANT5	21.66	21.77	21.70	23.00
1.4	16QAM	1	0	ANT5	21.94	21.98	21.86	23.00
1.4	16QAM	1	2	ANT5	21.97	22.05	21.97	23.00
1.4	16QAM	1	5	ANT5	21.89	21.97	21.95	23.00
1.4	16QAM	3	0	ANT5	21.90	21.93	21.83	23.00
1.4	16QAM	3	1	ANT5	21.78	21.92	21.90	23.00
1.4	16QAM	3	3	ANT5	21.84	21.96	21.81	23.00
1.4	16QAM	6	0	ANT5	20.71	20.76	20.67	22.00
1.4	64QAM	1	0	ANT5	20.79	20.94	20.87	22.00
1.4	64QAM	1	2	ANT5	21.00	21.03	20.91	22.00
1.4	64QAM	1	5	ANT5	20.79	20.84	20.81	22.00
1.4	64QAM	3	0	ANT5	20.99	21.01	20.98	22.00
1.4	64QAM	3	1	ANT5	20.97	21.02	21.01	22.00
1.4	64QAM	3	3	ANT5	20.97	21.03	20.92	22.00
1.4	64QAM	6	0	ANT5	20.07	20.20	20.07	21.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19965	20175	20385	Tune-up power(dBm)
3	QPSK	1	0	ANT5	22.76	22.81	22.73	24.00
3	QPSK	1	7	ANT5	22.60	22.75	22.71	24.00
3	QPSK	1	14	ANT5	22.68	22.61	22.57	24.00
3	QPSK	8	0	ANT5	21.88	21.91	21.80	23.00
3	QPSK	8	3	ANT5	21.67	21.80	21.69	23.00
3	QPSK	8	7	ANT5	21.70	21.80	21.66	23.00
3	QPSK	15	0	ANT5	21.71	21.79	21.81	23.00
3	16QAM	1	0	ANT5	21.96	22.06	21.95	23.00
3	16QAM	1	7	ANT5	22.28	22.29	22.25	23.00
3	16QAM	1	14	ANT5	22.10	22.13	22.05	23.00
3	16QAM	8	0	ANT5	20.80	20.86	20.78	22.00
3	16QAM	8	3	ANT5	20.83	20.98	20.87	22.00
3	16QAM	8	7	ANT5	20.97	21.02	21.01	22.00
3	16QAM	15	0	ANT5	20.86	20.83	20.85	22.00
3	64QAM	1	0	ANT5	21.28	21.30	21.14	22.00
3	64QAM	1	7	ANT5	21.39	21.52	21.59	22.00
3	64QAM	1	14	ANT5	21.24	21.40	21.36	22.00
3	64QAM	8	0	ANT5	19.97	20.05	19.91	21.00
3	64QAM	8	3	ANT5	19.99	19.96	20.00	21.00
3	64QAM	8	7	ANT5	19.85	19.97	19.94	21.00
3	64QAM	15	0	ANT5	19.87	20.00	19.84	21.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	19975	20175	20375	Tune-up power(dBm)
5	QPSK	1	0	ANT5	22.73	22.78	22.80	24.00
5	QPSK	1	12	ANT5	22.68	22.75	22.73	24.00
5	QPSK	1	24	ANT5	22.56	22.73	22.60	24.00
5	QPSK	12	0	ANT5	21.88	21.82	21.73	23.00
5	QPSK	12	6	ANT5	21.68	21.86	21.74	23.00
5	QPSK	12	13	ANT5	21.67	21.72	21.70	23.00
5	QPSK	25	0	ANT5	21.66	21.85	21.72	23.00
5	16QAM	1	0	ANT5	22.01	22.04	21.94	23.00
5	16QAM	1	12	ANT5	22.27	22.30	22.24	23.00
5	16QAM	1	24	ANT5	22.08	22.10	21.99	23.00
5	16QAM	12	0	ANT5	20.83	20.81	20.85	22.00
5	16QAM	12	6	ANT5	20.85	21.03	20.89	22.00
5	16QAM	12	13	ANT5	20.97	21.04	20.92	22.00
5	16QAM	25	0	ANT5	20.79	20.84	20.92	22.00
5	64QAM	1	0	ANT5	21.34	21.38	21.20	22.00
5	64QAM	1	12	ANT5	21.41	21.60	21.58	22.00
5	64QAM	1	24	ANT5	21.23	21.36	21.30	22.00
5	64QAM	12	0	ANT5	19.94	19.94	19.87	21.00
5	64QAM	12	6	ANT5	19.95	20.03	19.95	21.00
5	64QAM	12	13	ANT5	19.89	19.92	19.87	21.00
5	64QAM	25	0	ANT5	19.85	19.98	19.90	21.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20000	20175	20350	Tune-up power(dBm)
10	QPSK	1	0	ANT5	22.71	22.81	22.76	24.00
10	QPSK	1	24	ANT5	22.63	22.75	22.70	24.00
10	QPSK	1	49	ANT5	22.58	22.68	22.56	24.00
10	QPSK	25	0	ANT5	21.85	21.89	21.75	23.00
10	QPSK	25	12	ANT5	21.65	21.88	21.73	23.00
10	QPSK	25	25	ANT5	21.69	21.84	21.63	23.00
10	QPSK	50	0	ANT5	21.74	21.78	21.78	23.00
10	16QAM	1	0	ANT5	22.03	22.05	21.90	23.00
10	16QAM	1	24	ANT5	22.22	22.24	22.33	23.00
10	16QAM	1	49	ANT5	22.10	22.23	22.10	23.00
10	16QAM	25	0	ANT5	20.85	20.80	20.75	22.00
10	16QAM	25	12	ANT5	20.91	21.02	20.92	22.00
10	16QAM	25	25	ANT5	20.92	20.94	20.90	22.00
10	16QAM	50	0	ANT5	20.81	20.89	20.90	22.00
10	64QAM	1	0	ANT5	21.24	21.35	21.24	22.00
10	64QAM	1	24	ANT5	21.45	21.51	21.59	22.00
10	64QAM	1	49	ANT5	21.35	21.43	21.42	22.00
10	64QAM	25	0	ANT5	19.96	19.93	19.96	21.00
10	64QAM	25	12	ANT5	19.88	20.00	19.91	21.00
10	64QAM	25	25	ANT5	19.82	19.96	19.88	21.00
10	64QAM	50	0	ANT5	19.79	19.92	19.81	21.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20025	20175	20325	Tune-up power(dBm)
15	QPSK	1	0	ANT5	22.75	22.89	22.70	24.00
15	QPSK	1	37	ANT5	22.63	22.80	22.68	24.00
15	QPSK	1	74	ANT5	22.69	22.73	22.65	24.00
15	QPSK	36	0	ANT5	21.79	21.89	21.74	23.00
15	QPSK	36	19	ANT5	21.77	21.78	21.69	23.00
15	QPSK	36	39	ANT5	21.59	21.85	21.63	23.00
15	QPSK	75	0	ANT5	21.72	21.87	21.72	23.00
15	16QAM	1	0	ANT5	21.98	22.05	21.89	23.00
15	16QAM	1	37	ANT5	22.31	22.28	22.32	23.00
15	16QAM	1	74	ANT5	22.07	22.15	22.04	23.00
15	16QAM	36	0	ANT5	20.81	20.90	20.74	22.00
15	16QAM	36	19	ANT5	20.84	21.06	20.82	22.00
15	16QAM	36	39	ANT5	21.03	20.99	20.94	22.00
15	16QAM	75	0	ANT5	20.88	20.81	20.88	22.00
15	64QAM	1	0	ANT5	21.30	21.38	21.19	22.00
15	64QAM	1	37	ANT5	21.50	21.54	21.58	22.00
15	64QAM	1	74	ANT5	21.31	21.46	21.35	22.00
15	64QAM	36	0	ANT5	19.90	19.97	19.88	21.00
15	64QAM	36	19	ANT5	19.90	19.97	19.89	21.00
15	64QAM	36	39	ANT5	19.81	19.99	19.92	21.00
15	64QAM	75	0	ANT5	19.82	19.93	19.93	21.00

Band				LTE B4				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20050	20175	20300	Tune-up power(dBm)
20	QPSK	1	0	ANT5	22.83	22.92	22.82	24.00
20	QPSK	1	49	ANT5	22.72	22.84	22.77	24.00
20	QPSK	1	99	ANT5	22.70	22.75	22.67	24.00
20	QPSK	50	0	ANT5	21.91	21.96	21.83	23.00
20	QPSK	50	25	ANT5	21.80	21.93	21.81	23.00
20	QPSK	50	50	ANT5	21.73	21.87	21.73	23.00
20	QPSK	100	0	ANT5	21.78	21.88	21.83	23.00
20	16QAM	1	0	ANT5	22.10	22.13	22.00	23.00
20	16QAM	1	49	ANT5	22.32	22.36	22.34	23.00
20	16QAM	1	99	ANT5	22.20	22.25	22.12	23.00
20	16QAM	50	0	ANT5	20.86	20.95	20.86	22.00
20	16QAM	50	25	ANT5	20.97	21.07	20.95	22.00
20	16QAM	50	50	ANT5	21.05	21.06	21.05	22.00
20	16QAM	100	0	ANT5	20.91	20.94	20.93	22.00
20	64QAM	1	0	ANT5	21.35	21.39	21.29	22.00
20	64QAM	1	49	ANT5	21.52	21.65	21.64	22.00
20	64QAM	1	99	ANT5	21.36	21.48	21.44	22.00
20	64QAM	50	0	ANT5	20.02	20.07	19.99	21.00
20	64QAM	50	25	ANT5	20.00	20.09	20.03	21.00
20	64QAM	50	50	ANT5	19.95	20.00	19.99	21.00
20	64QAM	100	0	ANT5	19.89	20.01	19.96	21.00

8.3.3 LTE Band5 Output Power

Band				LTE B5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20407	20525	20643	Tune-up power(dBm)
1.4	QPSK	1	0	ANT5	22.93	22.99	22.83	24.00
1.4	QPSK	1	2	ANT5	22.99	23.00	22.87	24.00
1.4	QPSK	1	5	ANT5	22.96	22.95	22.78	24.00
1.4	QPSK	3	0	ANT5	22.97	23.02	22.94	24.00
1.4	QPSK	3	1	ANT5	23.00	23.05	22.99	24.00
1.4	QPSK	3	3	ANT5	22.99	23.02	22.99	24.00
1.4	QPSK	6	0	ANT5	22.10	22.10	22.02	23.00
1.4	16QAM	1	0	ANT5	21.98	22.28	21.87	23.00
1.4	16QAM	1	2	ANT5	22.05	22.34	21.92	23.00
1.4	16QAM	1	5	ANT5	21.96	22.30	21.88	23.00
1.4	16QAM	3	0	ANT5	22.02	22.22	22.13	23.00
1.4	16QAM	3	1	ANT5	22.05	22.21	22.12	23.00
1.4	16QAM	3	3	ANT5	22.03	22.21	22.14	23.00
1.4	16QAM	6	0	ANT5	21.24	21.05	21.20	22.00
1.4	64QAM	1	0	ANT5	21.42	21.18	21.14	22.00
1.4	64QAM	1	2	ANT5	21.48	21.24	21.18	22.00
1.4	64QAM	1	5	ANT5	21.40	21.10	21.22	22.00
1.4	64QAM	3	0	ANT5	21.39	21.23	21.01	22.00
1.4	64QAM	3	1	ANT5	21.41	21.26	21.04	22.00
1.4	64QAM	3	3	ANT5	21.39	21.28	21.01	22.00
1.4	64QAM	6	0	ANT5	20.07	20.40	20.13	21.00

Band				LTE B5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20415	20525	20635	Tune-up power(dBm)
3	QPSK	1	0	ANT5	22.76	22.81	22.72	24.00
3	QPSK	1	7	ANT5	22.89	22.98	22.84	24.00
3	QPSK	1	14	ANT5	22.77	22.79	22.70	24.00
3	QPSK	8	0	ANT5	22.01	22.05	21.99	23.00
3	QPSK	8	3	ANT5	22.08	22.10	22.04	23.00
3	QPSK	8	7	ANT5	21.96	21.99	21.93	23.00
3	QPSK	15	0	ANT5	21.99	21.97	21.87	23.00
3	16QAM	1	0	ANT5	21.67	22.16	21.74	23.00
3	16QAM	1	7	ANT5	21.82	22.32	21.92	23.00
3	16QAM	1	14	ANT5	21.65	22.16	21.74	23.00
3	16QAM	8	0	ANT5	21.14	21.14	21.00	22.00
3	16QAM	8	3	ANT5	21.18	21.19	21.09	22.00
3	16QAM	8	7	ANT5	21.06	21.07	20.93	22.00
3	16QAM	15	0	ANT5	21.01	20.99	20.93	22.00
3	64QAM	1	0	ANT5	21.21	21.07	21.01	22.00
3	64QAM	1	7	ANT5	21.33	21.20	21.20	22.00
3	64QAM	1	14	ANT5	21.15	21.03	21.05	22.00
3	64QAM	8	0	ANT5	20.13	20.08	19.95	21.00
3	64QAM	8	3	ANT5	20.15	20.14	20.02	21.00
3	64QAM	8	7	ANT5	20.02	20.02	19.85	21.00
3	64QAM	15	0	ANT5	19.94	20.04	19.97	21.00

Band				LTE B5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20425	20525	20625	Tune-up power(dBm)
5	QPSK	1	0	ANT5	23.07	23.09	23.04	24.00
5	QPSK	1	12	ANT5	23.24	23.21	23.17	24.00
5	QPSK	1	24	ANT5	23.12	23.07	23.03	24.00
5	QPSK	12	0	ANT5	22.09	22.10	22.05	23.00
5	QPSK	12	6	ANT5	22.06	22.15	22.06	23.00
5	QPSK	12	13	ANT5	22.10	22.04	21.97	23.00
5	QPSK	25	0	ANT5	22.06	22.09	22.02	23.00
5	16QAM	1	0	ANT5	22.13	22.57	22.08	23.00
5	16QAM	1	12	ANT5	22.30	22.69	22.23	23.00
5	16QAM	1	24	ANT5	22.15	22.58	22.13	23.00
5	16QAM	12	0	ANT5	21.10	21.23	21.07	22.00
5	16QAM	12	6	ANT5	21.17	21.28	21.13	22.00
5	16QAM	12	13	ANT5	21.19	21.20	20.99	22.00
5	16QAM	25	0	ANT5	21.08	21.19	20.96	22.00
5	64QAM	1	0	ANT5	20.96	21.40	21.23	22.00
5	64QAM	1	12	ANT5	21.09	21.52	21.41	22.00
5	64QAM	1	24	ANT5	20.98	21.34	21.26	22.00
5	64QAM	12	0	ANT5	20.02	20.07	20.09	21.00
5	64QAM	12	6	ANT5	20.14	20.12	20.17	21.00
5	64QAM	12	13	ANT5	20.16	20.03	20.06	21.00
5	64QAM	25	0	ANT5	20.04	20.08	20.04	21.00

Band				LTE B5				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20450	20525	20600	Tune-up power(dBm)
10	QPSK	1	0	ANT5	22.04	22.17	22.05	24.00
10	QPSK	1	24	ANT5	23.10	23.19	23.06	24.00
10	QPSK	1	49	ANT5	23.11	23.11	22.99	24.00
10	QPSK	25	0	ANT5	22.01	22.09	21.98	23.00
10	QPSK	25	12	ANT5	22.12	22.15	22.07	23.00
10	QPSK	25	25	ANT5	22.08	22.06	21.96	23.00
10	QPSK	50	0	ANT5	22.05	22.07	22.01	23.00
10	16QAM	1	0	ANT5	21.27	21.43	21.14	23.00
10	16QAM	1	24	ANT5	22.03	22.55	22.09	23.00
10	16QAM	1	49	ANT5	22.03	22.45	22.04	23.00
10	16QAM	25	0	ANT5	21.01	21.11	21.10	22.00
10	16QAM	25	12	ANT5	21.14	21.24	21.13	22.00
10	16QAM	25	25	ANT5	21.10	21.07	20.99	22.00
10	16QAM	50	0	ANT5	21.03	21.12	20.97	22.00
10	64QAM	1	0	ANT5	20.39	20.22	20.25	22.00
10	64QAM	1	24	ANT5	21.46	21.30	21.29	22.00
10	64QAM	1	49	ANT5	21.50	21.25	21.19	22.00
10	64QAM	25	0	ANT5	20.02	20.18	20.11	21.00
10	64QAM	25	12	ANT5	20.12	20.24	20.15	21.00
10	64QAM	25	25	ANT5	20.15	20.23	20.08	21.00
10	64QAM	50	0	ANT5	20.03	20.11	19.98	21.00

8.3.4 LTE Band7 Output Power

Band				LTE B7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20775	21100	21425	Tune-up power(dBm)
5	QPSK	1	0	ANT5	23.02	23.13	23.09	24.00
5	QPSK	1	12	ANT5	22.98	23.01	22.97	24.00
5	QPSK	1	24	ANT5	22.87	23.00	22.93	24.00
5	QPSK	12	0	ANT5	22.04	22.06	21.97	23.00
5	QPSK	12	6	ANT5	22.03	22.05	21.91	23.00
5	QPSK	12	13	ANT5	21.80	21.89	21.88	23.00
5	QPSK	25	0	ANT5	21.89	21.95	21.89	23.00
5	16QAM	1	0	ANT5	22.18	22.28	22.15	23.00
5	16QAM	1	12	ANT5	22.37	22.49	22.39	23.00
5	16QAM	1	24	ANT5	22.22	22.35	22.34	23.00
5	16QAM	12	0	ANT5	20.81	20.90	20.81	22.00
5	16QAM	12	6	ANT5	20.97	21.06	20.98	22.00
5	16QAM	12	13	ANT5	20.93	20.97	20.89	22.00
5	16QAM	25	0	ANT5	20.84	20.99	20.85	22.00
5	64QAM	1	0	ANT5	21.39	21.58	21.58	22.00
5	64QAM	1	12	ANT5	21.68	21.81	21.67	22.00
5	64QAM	1	24	ANT5	21.44	21.51	21.58	22.00
5	64QAM	12	0	ANT5	19.87	20.00	19.96	21.00
5	64QAM	12	6	ANT5	20.00	20.14	20.08	21.00
5	64QAM	12	13	ANT5	19.95	20.17	20.06	21.00
5	64QAM	25	0	ANT5	19.95	19.93	19.85	21.00

Band				LTE B7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20800	21100	21400	Tune-up power(dBm)
10	QPSK	1	0	ANT5	22.96	23.15	23.04	24.00
10	QPSK	1	24	ANT5	22.90	23.07	22.95	24.00
10	QPSK	1	49	ANT5	22.89	22.93	22.91	24.00
10	QPSK	25	0	ANT5	21.92	22.03	21.99	23.00
10	QPSK	25	12	ANT5	21.94	21.96	21.99	23.00
10	QPSK	25	25	ANT5	21.91	21.97	21.84	23.00
10	QPSK	50	0	ANT5	21.89	21.86	21.81	23.00
10	16QAM	1	0	ANT5	22.19	22.24	22.25	23.00
10	16QAM	1	24	ANT5	22.39	22.52	22.33	23.00
10	16QAM	1	49	ANT5	22.15	22.34	22.24	23.00
10	16QAM	25	0	ANT5	20.84	20.88	20.77	22.00
10	16QAM	25	12	ANT5	21.02	21.07	21.09	22.00
10	16QAM	25	25	ANT5	20.83	21.06	20.93	22.00
10	16QAM	50	0	ANT5	20.86	20.87	20.87	22.00
10	64QAM	1	0	ANT5	21.37	21.52	21.46	22.00
10	64QAM	1	24	ANT5	21.68	21.74	21.61	22.00
10	64QAM	1	49	ANT5	21.50	21.55	21.50	22.00
10	64QAM	25	0	ANT5	19.90	19.98	19.91	21.00
10	64QAM	25	12	ANT5	20.06	20.09	19.98	21.00
10	64QAM	25	25	ANT5	20.02	20.08	20.05	21.00
10	64QAM	50	0	ANT5	19.98	19.97	19.92	21.00

Band				LTE B7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20825	21100	21375	Tune-up power(dBm)
15	QPSK	1	0	ANT5	22.94	23.06	23.01	24.00
15	QPSK	1	37	ANT5	22.99	23.03	22.95	24.00
15	QPSK	1	74	ANT5	22.98	23.07	22.84	24.00
15	QPSK	36	0	ANT5	22.02	22.14	21.97	23.00
15	QPSK	36	19	ANT5	21.94	21.99	21.97	23.00
15	QPSK	36	39	ANT5	21.86	21.88	21.91	23.00
15	QPSK	75	0	ANT5	21.80	21.82	21.83	23.00
15	16QAM	1	0	ANT5	22.22	22.31	22.18	23.00
15	16QAM	1	37	ANT5	22.30	22.47	22.27	23.00
15	16QAM	1	74	ANT5	22.18	22.38	22.23	23.00
15	16QAM	36	0	ANT5	20.77	20.95	20.79	22.00
15	16QAM	36	19	ANT5	21.04	21.02	21.01	22.00
15	16QAM	36	39	ANT5	20.84	21.04	20.96	22.00
15	16QAM	75	0	ANT5	20.86	20.89	20.90	22.00
15	64QAM	1	0	ANT5	21.43	21.53	21.46	22.00
15	64QAM	1	37	ANT5	21.64	21.77	21.69	22.00
15	64QAM	1	74	ANT5	21.38	21.62	21.49	22.00
15	64QAM	36	0	ANT5	19.98	19.96	19.89	21.00
15	64QAM	36	19	ANT5	20.09	20.11	20.03	21.00
15	64QAM	36	39	ANT5	19.93	20.04	20.05	21.00
15	64QAM	75	0	ANT5	19.87	19.94	19.87	21.00

Band				LTE B7				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	20850	21100	21350	Tune-up power(dBm)
20	QPSK	1	0	ANT5	23.04	23.16	23.11	24.00
20	QPSK	1	49	ANT5	23.03	23.14	23.03	24.00
20	QPSK	1	99	ANT5	22.99	23.08	22.96	24.00
20	QPSK	50	0	ANT5	22.05	22.18	22.08	23.00
20	QPSK	50	25	ANT5	22.04	22.10	22.05	23.00
20	QPSK	50	50	ANT5	21.95	22.03	21.94	23.00
20	QPSK	100	0	ANT5	21.93	21.97	21.96	23.00
20	16QAM	1	0	ANT5	22.31	22.34	22.30	23.00
20	16QAM	1	49	ANT5	22.40	22.55	22.41	23.00
20	16QAM	1	99	ANT5	22.28	22.40	22.38	23.00
20	16QAM	50	0	ANT5	20.89	20.99	20.85	22.00
20	16QAM	50	25	ANT5	21.11	21.12	21.10	22.00
20	16QAM	50	50	ANT5	20.94	21.09	20.97	22.00
20	16QAM	100	0	ANT5	20.91	21.02	20.91	22.00
20	64QAM	1	0	ANT5	21.48	21.62	21.60	22.00
20	64QAM	1	49	ANT5	21.71	21.83	21.75	22.00
20	64QAM	1	99	ANT5	21.53	21.63	21.59	22.00
20	64QAM	50	0	ANT5	19.99	20.04	19.98	21.00
20	64QAM	50	25	ANT5	20.14	20.20	20.09	21.00
20	64QAM	50	50	ANT5	20.04	20.19	20.18	21.00
20	64QAM	100	0	ANT5	19.99	20.00	19.99	21.00

8.3.5 LTE Band25 Output Power

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26047	26365	26683	Tune-up power(dBm)
1.4	QPSK	1	0	ANT5	22.77	22.82	22.73	24.00
1.4	QPSK	1	2	ANT5	22.69	22.79	22.67	24.00
1.4	QPSK	1	5	ANT5	22.62	22.73	22.62	24.00
1.4	QPSK	3	0	ANT5	22.71	22.76	22.74	24.00
1.4	QPSK	3	1	ANT5	22.68	22.74	22.60	24.00
1.4	QPSK	3	3	ANT5	22.65	22.72	22.63	24.00
1.4	QPSK	6	0	ANT5	21.66	21.75	21.69	23.00
1.4	16QAM	1	0	ANT5	21.97	22.00	21.97	23.00
1.4	16QAM	1	2	ANT5	22.02	22.05	21.93	23.00
1.4	16QAM	1	5	ANT5	21.94	22.03	21.91	23.00
1.4	16QAM	3	0	ANT5	21.94	21.95	21.80	23.00
1.4	16QAM	3	1	ANT5	21.84	21.93	21.92	23.00
1.4	16QAM	3	3	ANT5	21.79	21.94	21.79	23.00
1.4	16QAM	6	0	ANT5	20.68	20.79	20.71	22.00
1.4	64QAM	1	0	ANT5	20.93	20.97	20.87	22.00
1.4	64QAM	1	2	ANT5	20.89	21.03	20.89	22.00
1.4	64QAM	1	5	ANT5	20.76	20.90	20.85	22.00
1.4	64QAM	3	0	ANT5	20.98	21.04	20.92	22.00
1.4	64QAM	3	1	ANT5	21.03	21.04	20.99	22.00
1.4	64QAM	3	3	ANT5	20.94	21.06	20.95	22.00
1.4	64QAM	6	0	ANT5	20.06	20.17	20.13	21.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26055	26365	26675	Tune-up power(dBm)
3	QPSK	1	0	ANT5	22.69	22.74	22.67	24.00
3	QPSK	1	7	ANT5	22.72	22.72	22.60	24.00
3	QPSK	1	14	ANT5	22.71	22.73	22.57	24.00
3	QPSK	8	0	ANT5	21.85	21.86	21.81	23.00
3	QPSK	8	3	ANT5	21.80	21.88	21.82	23.00
3	QPSK	8	7	ANT5	21.75	21.82	21.77	23.00
3	QPSK	15	0	ANT5	21.69	21.85	21.65	23.00
3	16QAM	1	0	ANT5	22.01	22.21	22.20	23.00
3	16QAM	1	7	ANT5	22.25	22.32	22.35	23.00
3	16QAM	1	14	ANT5	22.05	22.10	22.15	23.00
3	16QAM	8	0	ANT5	20.85	20.81	20.88	22.00
3	16QAM	8	3	ANT5	20.89	21.04	20.96	22.00
3	16QAM	8	7	ANT5	20.91	20.99	20.90	22.00
3	16QAM	15	0	ANT5	20.79	20.80	20.78	22.00
3	64QAM	1	0	ANT5	21.22	21.38	21.26	22.00
3	64QAM	1	7	ANT5	21.54	21.55	21.51	22.00
3	64QAM	1	14	ANT5	21.38	21.37	21.43	22.00
3	64QAM	8	0	ANT5	19.74	19.86	19.74	21.00
3	64QAM	8	3	ANT5	19.96	20.01	19.88	21.00
3	64QAM	8	7	ANT5	19.95	19.96	19.90	21.00
3	64QAM	15	0	ANT5	19.82	19.96	19.84	21.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26065	26365	26665	Tune-up power(dBm)
5	QPSK	1	0	ANT5	22.77	22.77	22.75	24.00
5	QPSK	1	12	ANT5	22.72	22.75	22.59	24.00
5	QPSK	1	24	ANT5	22.68	22.73	22.59	24.00
5	QPSK	12	0	ANT5	21.76	21.82	21.76	23.00
5	QPSK	12	6	ANT5	21.76	21.85	21.80	23.00
5	QPSK	12	13	ANT5	21.72	21.79	21.63	23.00
5	QPSK	25	0	ANT5	21.72	21.82	21.59	23.00
5	16QAM	1	0	ANT5	22.02	22.23	22.07	23.00
5	16QAM	1	12	ANT5	22.30	22.45	22.29	23.00
5	16QAM	1	24	ANT5	22.11	22.18	22.08	23.00
5	16QAM	12	0	ANT5	20.86	20.84	20.81	22.00
5	16QAM	12	6	ANT5	20.84	20.99	20.91	22.00
5	16QAM	12	13	ANT5	20.91	20.92	20.94	22.00
5	16QAM	25	0	ANT5	20.69	20.85	20.78	22.00
5	64QAM	1	0	ANT5	21.21	21.43	21.29	22.00
5	64QAM	1	12	ANT5	21.46	21.61	21.44	22.00
5	64QAM	1	24	ANT5	21.45	21.43	21.33	22.00
5	64QAM	12	0	ANT5	19.76	19.79	19.77	21.00
5	64QAM	12	6	ANT5	19.94	20.05	19.89	21.00
5	64QAM	12	13	ANT5	19.85	19.98	19.84	21.00
5	64QAM	25	0	ANT5	19.71	19.94	19.93	21.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26090	26365	26640	Tune-up power(dBm)
10	QPSK	1	0	ANT5	22.77	22.87	22.73	24.00
10	QPSK	1	24	ANT5	22.70	22.79	22.61	24.00
10	QPSK	1	49	ANT5	22.67	22.67	22.66	24.00
10	QPSK	25	0	ANT5	21.77	21.84	21.81	23.00
10	QPSK	25	12	ANT5	21.84	21.93	21.69	23.00
10	QPSK	25	25	ANT5	21.75	21.78	21.68	23.00
10	QPSK	50	0	ANT5	21.77	21.82	21.63	23.00
10	16QAM	1	0	ANT5	22.06	22.17	22.18	23.00
10	16QAM	1	24	ANT5	22.28	22.36	22.41	23.00
10	16QAM	1	49	ANT5	22.06	22.20	22.18	23.00
10	16QAM	25	0	ANT5	20.88	20.94	20.86	22.00
10	16QAM	25	12	ANT5	20.85	21.05	20.87	22.00
10	16QAM	25	25	ANT5	20.94	20.88	20.88	22.00
10	16QAM	50	0	ANT5	20.75	20.92	20.85	22.00
10	64QAM	1	0	ANT5	21.29	21.45	21.18	22.00
10	64QAM	1	24	ANT5	21.46	21.66	21.51	22.00
10	64QAM	1	49	ANT5	21.36	21.40	21.41	22.00
10	64QAM	25	0	ANT5	19.73	19.79	19.73	21.00
10	64QAM	25	12	ANT5	19.93	19.94	19.91	21.00
10	64QAM	25	25	ANT5	19.83	19.90	19.92	21.00
10	64QAM	50	0	ANT5	19.80	19.85	19.85	21.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26115	26365	26615	Tune-up power(dBm)
15	QPSK	1	0	ANT5	22.78	22.84	22.67	24.00
15	QPSK	1	37	ANT5	22.64	22.78	22.58	24.00
15	QPSK	1	74	ANT5	22.69	22.73	22.54	24.00
15	QPSK	36	0	ANT5	21.77	21.85	21.72	23.00
15	QPSK	36	19	ANT5	21.84	21.80	21.73	23.00
15	QPSK	36	39	ANT5	21.74	21.88	21.75	23.00
15	QPSK	75	0	ANT5	21.77	21.77	21.60	23.00
15	16QAM	1	0	ANT5	22.00	22.17	22.14	23.00
15	16QAM	1	37	ANT5	22.34	22.36	22.31	23.00
15	16QAM	1	74	ANT5	22.07	22.11	22.11	23.00
15	16QAM	36	0	ANT5	20.85	20.88	20.79	22.00
15	16QAM	36	19	ANT5	20.89	20.99	20.99	22.00
15	16QAM	36	39	ANT5	20.92	20.88	20.99	22.00
15	16QAM	75	0	ANT5	20.69	20.79	20.88	22.00
15	64QAM	1	0	ANT5	21.20	21.32	21.16	22.00
15	64QAM	1	37	ANT5	21.40	21.53	21.44	22.00
15	64QAM	1	74	ANT5	21.45	21.33	21.37	22.00
15	64QAM	36	0	ANT5	19.66	19.82	19.75	21.00
15	64QAM	36	19	ANT5	19.88	20.04	19.98	21.00
15	64QAM	36	39	ANT5	19.90	19.97	19.88	21.00
15	64QAM	75	0	ANT5	19.73	19.84	19.86	21.00

Band				LTE Band25				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26140	26365	26590	Tune-up power(dBm)
20	QPSK	1	0	ANT5	22.82	22.88	22.81	24.00
20	QPSK	1	49	ANT5	22.75	22.82	22.73	24.00
20	QPSK	1	99	ANT5	22.74	22.79	22.69	24.00
20	QPSK	50	0	ANT5	21.87	21.96	21.85	23.00
20	QPSK	50	25	ANT5	21.85	21.94	21.83	23.00
20	QPSK	50	50	ANT5	21.77	21.91	21.78	23.00
20	QPSK	100	0	ANT5	21.79	21.87	21.72	23.00
20	16QAM	1	0	ANT5	22.15	22.26	22.22	23.00
20	16QAM	1	49	ANT5	22.35	22.47	22.42	23.00
20	16QAM	1	99	ANT5	22.19	22.25	22.23	23.00
20	16QAM	50	0	ANT5	20.92	20.95	20.94	22.00
20	16QAM	50	25	ANT5	20.96	21.06	21.01	22.00
20	16QAM	50	50	ANT5	20.96	21.03	21.00	22.00
20	16QAM	100	0	ANT5	20.83	20.93	20.91	22.00
20	64QAM	1	0	ANT5	21.35	21.46	21.31	22.00
20	64QAM	1	49	ANT5	21.55	21.67	21.59	22.00
20	64QAM	1	99	ANT5	21.47	21.48	21.47	22.00
20	64QAM	50	0	ANT5	19.81	19.93	19.84	21.00
20	64QAM	50	25	ANT5	19.98	20.09	20.02	21.00
20	64QAM	50	50	ANT5	19.98	20.05	19.93	21.00
20	64QAM	100	0	ANT5	19.83	19.97	19.95	21.00

8.3.6 LTE Band26 Output Power

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26697	26865	27033	Tune-up power(dBm)
1.4	QPSK	1	0	ANT5	23.05	23.08	23.07	24.00
1.4	QPSK	1	2	ANT5	22.95	22.99	22.96	24.00
1.4	QPSK	1	5	ANT5	22.88	22.94	22.93	24.00
1.4	QPSK	3	0	ANT5	23.00	23.02	23.01	24.00
1.4	QPSK	3	1	ANT5	22.85	22.99	22.92	24.00
1.4	QPSK	3	3	ANT5	22.83	22.93	22.80	24.00
1.4	QPSK	6	0	ANT5	21.98	22.10	22.08	23.00
1.4	16QAM	1	0	ANT5	22.18	22.21	22.15	23.00
1.4	16QAM	1	2	ANT5	22.26	22.30	22.27	23.00
1.4	16QAM	1	5	ANT5	22.22	22.24	22.10	23.00
1.4	16QAM	3	0	ANT5	22.11	22.16	22.05	23.00
1.4	16QAM	3	1	ANT5	22.09	22.14	21.99	23.00
1.4	16QAM	3	3	ANT5	22.07	22.16	22.10	23.00
1.4	16QAM	6	0	ANT5	20.87	20.98	20.90	22.00
1.4	64QAM	1	0	ANT5	21.03	21.11	21.01	22.00
1.4	64QAM	1	2	ANT5	21.06	21.20	21.19	22.00
1.4	64QAM	1	5	ANT5	20.92	21.04	20.98	22.00
1.4	64QAM	3	0	ANT5	21.07	21.18	21.15	22.00
1.4	64QAM	3	1	ANT5	21.12	21.23	21.15	22.00
1.4	64QAM	3	3	ANT5	21.12	21.24	21.22	22.00
1.4	64QAM	6	0	ANT5	20.38	20.41	20.32	21.00

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26705	26865	27025	Tune-up power(dBm)
3	QPSK	1	0	ANT5	23.10	23.09	23.00	24.00
3	QPSK	1	7	ANT5	22.93	23.02	22.93	24.00
3	QPSK	1	14	ANT5	22.94	22.94	22.91	24.00
3	QPSK	8	0	ANT5	22.01	22.13	21.95	23.00
3	QPSK	8	3	ANT5	21.83	22.07	21.99	23.00
3	QPSK	8	7	ANT5	21.85	21.94	21.91	23.00
3	QPSK	15	0	ANT5	21.77	21.89	21.85	23.00
3	16QAM	1	0	ANT5	22.20	22.25	22.24	23.00
3	16QAM	1	7	ANT5	22.36	22.37	22.27	23.00
3	16QAM	1	14	ANT5	22.15	22.25	22.11	23.00
3	16QAM	8	0	ANT5	20.84	21.05	20.95	22.00
3	16QAM	8	3	ANT5	20.99	21.03	21.05	22.00
3	16QAM	8	7	ANT5	20.74	20.91	20.88	22.00
3	16QAM	15	0	ANT5	20.80	20.96	20.81	22.00
3	64QAM	1	0	ANT5	20.88	21.01	20.85	22.00
3	64QAM	1	7	ANT5	21.08	21.14	21.00	22.00
3	64QAM	1	14	ANT5	20.98	21.03	21.10	22.00
3	64QAM	8	0	ANT5	19.86	19.99	20.00	21.00
3	64QAM	8	3	ANT5	20.07	20.15	20.05	21.00
3	64QAM	8	7	ANT5	19.90	19.96	19.95	21.00
3	64QAM	15	0	ANT5	19.96	20.03	19.93	21.00

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26715	26865	27015	Tune-up power(dBm)
5	QPSK	1	0	ANT5	23.10	23.03	23.13	24.00
5	QPSK	1	12	ANT5	22.90	22.98	22.90	24.00
5	QPSK	1	24	ANT5	22.87	22.97	23.00	24.00
5	QPSK	12	0	ANT5	21.95	22.09	22.09	23.00
5	QPSK	12	6	ANT5	21.96	22.01	22.05	23.00
5	QPSK	12	13	ANT5	21.84	22.01	21.85	23.00
5	QPSK	25	0	ANT5	21.77	21.99	21.85	23.00
5	16QAM	1	0	ANT5	22.22	22.31	22.23	23.00
5	16QAM	1	12	ANT5	22.30	22.40	22.31	23.00
5	16QAM	1	24	ANT5	22.14	22.27	22.15	23.00
5	16QAM	12	0	ANT5	20.91	20.99	20.88	22.00
5	16QAM	12	6	ANT5	20.96	20.99	21.05	22.00
5	16QAM	12	13	ANT5	20.81	20.92	20.77	22.00
5	16QAM	25	0	ANT5	20.75	20.96	20.87	22.00
5	64QAM	1	0	ANT5	20.97	20.97	20.91	22.00
5	64QAM	1	12	ANT5	21.17	21.23	21.10	22.00
5	64QAM	1	24	ANT5	21.06	21.06	21.07	22.00
5	64QAM	12	0	ANT5	19.85	19.90	19.90	21.00
5	64QAM	12	6	ANT5	19.98	20.16	20.00	21.00
5	64QAM	12	13	ANT5	19.91	20.01	19.91	21.00
5	64QAM	25	0	ANT5	19.91	20.05	19.80	21.00

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26740	26865	26990	Tune-up power(dBm)
10	QPSK	1	0	ANT5	23.03	23.07	23.13	24.00
10	QPSK	1	24	ANT5	23.01	22.99	23.01	24.00
10	QPSK	1	49	ANT5	22.87	22.97	22.92	24.00
10	QPSK	25	0	ANT5	21.91	22.04	22.07	23.00
10	QPSK	25	12	ANT5	21.91	21.98	21.95	23.00
10	QPSK	25	25	ANT5	21.91	21.89	21.97	23.00
10	QPSK	50	0	ANT5	21.84	22.01	21.93	23.00
10	16QAM	1	0	ANT5	22.26	22.34	22.18	23.00
10	16QAM	1	24	ANT5	22.28	22.34	22.31	23.00
10	16QAM	1	49	ANT5	22.22	22.30	22.20	23.00
10	16QAM	25	0	ANT5	20.85	20.92	20.88	22.00
10	16QAM	25	12	ANT5	20.98	21.11	21.01	22.00
10	16QAM	25	25	ANT5	20.88	20.96	20.84	22.00
10	16QAM	50	0	ANT5	20.87	20.88	20.89	22.00
10	64QAM	1	0	ANT5	20.90	21.02	20.90	22.00
10	64QAM	1	24	ANT5	21.09	21.16	21.12	22.00
10	64QAM	1	49	ANT5	20.98	21.01	21.03	22.00
10	64QAM	25	0	ANT5	19.91	19.96	19.98	21.00
10	64QAM	25	12	ANT5	20.06	20.06	19.97	21.00
10	64QAM	25	25	ANT5	19.98	20.02	19.90	21.00
10	64QAM	50	0	ANT5	19.89	20.00	19.81	21.00

Band				LTE B26				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	26765	26865	26965	Tune-up power(dBm)
15	QPSK	1	0	ANT5	23.15	23.16	23.14	24.00
15	QPSK	1	37	ANT5	23.04	23.12	23.04	24.00
15	QPSK	1	74	ANT5	22.97	23.07	23.05	24.00
15	QPSK	36	0	ANT5	22.04	22.14	22.10	23.00
15	QPSK	36	19	ANT5	21.98	22.10	22.07	23.00
15	QPSK	36	39	ANT5	21.97	22.03	21.98	23.00
15	QPSK	75	0	ANT5	21.92	22.03	21.94	23.00
15	16QAM	1	0	ANT5	22.31	22.36	22.25	23.00
15	16QAM	1	37	ANT5	22.39	22.48	22.36	23.00
15	16QAM	1	74	ANT5	22.27	22.35	22.25	23.00
15	16QAM	36	0	ANT5	20.99	21.07	21.03	22.00
15	16QAM	36	19	ANT5	21.05	21.12	21.09	22.00
15	16QAM	36	39	ANT5	20.89	21.02	20.90	22.00
15	16QAM	75	0	ANT5	20.89	21.02	20.91	22.00
15	64QAM	1	0	ANT5	20.98	21.11	20.99	22.00
15	64QAM	1	37	ANT5	21.20	21.28	21.14	22.00
15	64QAM	1	74	ANT5	21.07	21.15	21.12	22.00
15	64QAM	36	0	ANT5	20.00	20.05	20.02	21.00
15	64QAM	36	19	ANT5	20.12	20.21	20.11	21.00
15	64QAM	36	39	ANT5	20.01	20.11	20.00	21.00
15	64QAM	75	0	ANT5	19.97	20.07	19.95	21.00

8.3.7 LTE Band66 Output Power

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT5	22.70	22.83	22.68	24.00
1.4	QPSK	1	2	ANT5	22.65	22.71	22.61	24.00
1.4	QPSK	1	5	ANT5	22.62	22.64	22.59	24.00
1.4	QPSK	3	0	ANT5	22.50	22.55	22.50	24.00
1.4	QPSK	3	1	ANT5	22.34	22.47	22.34	24.00
1.4	QPSK	3	3	ANT5	22.36	22.37	22.22	24.00
1.4	QPSK	6	0	ANT5	21.71	21.80	21.66	23.00
1.4	16QAM	1	0	ANT5	21.64	21.75	21.61	23.00
1.4	16QAM	1	2	ANT5	21.82	21.83	21.80	23.00
1.4	16QAM	1	5	ANT5	21.66	21.76	21.71	23.00
1.4	16QAM	3	0	ANT5	21.68	21.75	21.73	23.00
1.4	16QAM	3	1	ANT5	21.73	21.77	21.66	23.00
1.4	16QAM	3	3	ANT5	21.65	21.74	21.73	23.00
1.4	16QAM	6	0	ANT5	20.80	20.95	20.91	22.00
1.4	64QAM	1	0	ANT5	20.84	20.96	20.95	22.00
1.4	64QAM	1	2	ANT5	20.96	21.02	20.99	22.00
1.4	64QAM	1	5	ANT5	20.88	20.95	20.94	22.00
1.4	64QAM	3	0	ANT5	21.02	21.11	21.09	22.00
1.4	64QAM	3	1	ANT5	21.10	21.12	21.08	22.00
1.4	64QAM	3	3	ANT5	21.02	21.14	21.11	22.00
1.4	64QAM	6	0	ANT5	20.00	20.10	20.05	21.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT5	22.86	22.86	22.76	24.00
3	QPSK	1	7	ANT5	22.79	22.71	22.65	24.00
3	QPSK	1	14	ANT5	22.69	22.74	22.65	24.00
3	QPSK	8	0	ANT5	21.94	22.04	22.00	23.00
3	QPSK	8	3	ANT5	21.74	21.75	21.83	23.00
3	QPSK	8	7	ANT5	21.75	21.91	21.79	23.00
3	QPSK	15	0	ANT5	21.78	21.79	21.60	23.00
3	16QAM	1	0	ANT5	21.75	21.85	21.78	23.00
3	16QAM	1	7	ANT5	22.10	22.05	22.09	23.00
3	16QAM	1	14	ANT5	21.87	22.01	21.85	23.00
3	16QAM	8	0	ANT5	20.70	20.69	20.59	22.00
3	16QAM	8	3	ANT5	20.84	20.87	20.79	22.00
3	16QAM	8	7	ANT5	20.90	20.91	20.97	22.00
3	16QAM	15	0	ANT5	20.65	20.80	20.78	22.00
3	64QAM	1	0	ANT5	20.81	20.96	20.88	22.00
3	64QAM	1	7	ANT5	21.16	21.24	21.17	22.00
3	64QAM	1	14	ANT5	20.94	21.07	21.03	22.00
3	64QAM	8	0	ANT5	19.58	19.80	19.62	21.00
3	64QAM	8	3	ANT5	19.90	20.02	19.93	21.00
3	64QAM	8	7	ANT5	19.91	19.96	20.00	21.00
3	64QAM	15	0	ANT5	19.88	19.91	19.84	21.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT5	22.84	22.89	22.81	24.00
5	QPSK	1	12	ANT5	22.65	22.76	22.69	24.00
5	QPSK	1	24	ANT5	22.65	22.77	22.69	24.00
5	QPSK	12	0	ANT5	21.89	22.09	22.11	23.00
5	QPSK	12	6	ANT5	21.68	21.78	21.79	23.00
5	QPSK	12	13	ANT5	21.77	21.88	21.73	23.00
5	QPSK	25	0	ANT5	21.71	21.69	21.65	23.00
5	16QAM	1	0	ANT5	21.71	21.81	21.82	23.00
5	16QAM	1	12	ANT5	22.05	22.02	22.02	23.00
5	16QAM	1	24	ANT5	21.89	22.00	21.88	23.00
5	16QAM	12	0	ANT5	20.61	20.76	20.66	22.00
5	16QAM	12	6	ANT5	20.84	20.92	20.76	22.00
5	16QAM	12	13	ANT5	20.86	20.96	20.96	22.00
5	16QAM	25	0	ANT5	20.74	20.80	20.78	22.00
5	64QAM	1	0	ANT5	20.89	20.97	20.83	22.00
5	64QAM	1	12	ANT5	21.28	21.17	21.14	22.00
5	64QAM	1	24	ANT5	20.90	21.08	20.99	22.00
5	64QAM	12	0	ANT5	19.62	19.73	19.75	21.00
5	64QAM	12	6	ANT5	19.79	19.93	19.95	21.00
5	64QAM	12	13	ANT5	19.85	19.97	19.98	21.00
5	64QAM	25	0	ANT5	19.90	19.86	19.76	21.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT5	22.80	22.85	22.78	24.00
10	QPSK	1	24	ANT5	22.66	22.75	22.69	24.00
10	QPSK	1	49	ANT5	22.64	22.76	22.64	24.00
10	QPSK	25	0	ANT5	21.97	22.05	22.07	23.00
10	QPSK	25	12	ANT5	21.67	21.82	21.77	23.00
10	QPSK	25	25	ANT5	21.79	21.86	21.79	23.00
10	QPSK	50	0	ANT5	21.79	21.78	21.58	23.00
10	16QAM	1	0	ANT5	21.81	21.72	21.73	23.00
10	16QAM	1	24	ANT5	22.03	22.07	22.06	23.00
10	16QAM	1	49	ANT5	21.94	21.90	21.88	23.00
10	16QAM	25	0	ANT5	20.67	20.68	20.57	22.00
10	16QAM	25	12	ANT5	20.90	20.92	20.76	22.00
10	16QAM	25	25	ANT5	20.77	20.96	20.90	22.00
10	16QAM	50	0	ANT5	20.75	20.86	20.75	22.00
10	64QAM	1	0	ANT5	20.95	20.99	20.76	22.00
10	64QAM	1	24	ANT5	21.17	21.21	21.14	22.00
10	64QAM	1	49	ANT5	20.88	21.14	21.00	22.00
10	64QAM	25	0	ANT5	19.62	19.84	19.73	21.00
10	64QAM	25	12	ANT5	19.79	19.94	19.97	21.00
10	64QAM	25	25	ANT5	19.85	20.06	19.96	21.00
10	64QAM	50	0	ANT5	19.82	19.86	19.76	21.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT5	22.84	22.88	22.86	24.00
15	QPSK	1	37	ANT5	22.73	22.83	22.75	24.00
15	QPSK	1	74	ANT5	22.69	22.71	22.68	24.00
15	QPSK	36	0	ANT5	21.97	22.17	22.02	23.00
15	QPSK	36	19	ANT5	21.64	21.77	21.82	23.00
15	QPSK	36	39	ANT5	21.83	21.83	21.74	23.00
15	QPSK	75	0	ANT5	21.78	21.77	21.60	23.00
15	16QAM	1	0	ANT5	21.78	21.79	21.76	23.00
15	16QAM	1	37	ANT5	22.08	22.14	21.98	23.00
15	16QAM	1	74	ANT5	21.97	21.99	21.89	23.00
15	16QAM	36	0	ANT5	20.61	20.79	20.63	22.00
15	16QAM	36	19	ANT5	20.78	20.96	20.75	22.00
15	16QAM	36	39	ANT5	20.81	20.87	20.95	22.00
15	16QAM	75	0	ANT5	20.72	20.90	20.72	22.00
15	64QAM	1	0	ANT5	20.90	20.92	20.84	22.00
15	64QAM	1	37	ANT5	21.20	21.18	21.20	22.00
15	64QAM	1	74	ANT5	20.85	21.07	20.98	22.00
15	64QAM	36	0	ANT5	19.59	19.83	19.75	21.00
15	64QAM	36	19	ANT5	19.85	19.93	19.94	21.00
15	64QAM	36	39	ANT5	19.86	20.02	19.95	21.00
15	64QAM	75	0	ANT5	19.78	19.81	19.86	21.00

Band				LTE Band66				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT5	22.87	22.93	22.88	24.00
20	QPSK	1	49	ANT5	22.80	22.85	22.78	24.00
20	QPSK	1	99	ANT5	22.70	22.82	22.70	24.00
20	QPSK	50	0	ANT5	22.04	22.18	22.14	23.00
20	QPSK	50	25	ANT5	21.78	21.90	21.85	23.00
20	QPSK	50	50	ANT5	21.87	21.96	21.88	23.00
20	QPSK	100	0	ANT5	21.81	21.83	21.71	23.00
20	16QAM	1	0	ANT5	21.82	21.86	21.84	23.00
20	16QAM	1	49	ANT5	22.11	22.15	22.12	23.00
20	16QAM	1	99	ANT5	21.98	22.02	21.96	23.00
20	16QAM	50	0	ANT5	20.73	20.83	20.69	22.00
20	16QAM	50	25	ANT5	20.92	20.98	20.88	22.00
20	16QAM	50	50	ANT5	20.91	21.01	20.98	22.00
20	16QAM	100	0	ANT5	20.76	20.91	20.87	22.00
20	64QAM	1	0	ANT5	20.96	21.00	20.90	22.00
20	64QAM	1	49	ANT5	21.29	21.31	21.22	22.00
20	64QAM	1	99	ANT5	21.00	21.15	21.06	22.00
20	64QAM	50	0	ANT5	19.71	19.86	19.76	21.00
20	64QAM	50	25	ANT5	19.91	20.04	20.02	21.00
20	64QAM	50	50	ANT5	19.98	20.09	20.05	21.00
20	64QAM	100	0	ANT5	19.91	19.94	19.90	21.00

8.3.8 LTE Band38 Output Power

Band				LTE B38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37775	38000	38225	Tune-up power(dBm)
5	QPSK	1	0	ANT5	22.98	23.10	22.96	24.00
5	QPSK	1	12	ANT5	22.98	23.01	22.85	24.00
5	QPSK	1	24	ANT5	22.72	22.92	22.74	24.00
5	QPSK	12	0	ANT5	21.91	22.12	22.08	23.00
5	QPSK	12	6	ANT5	21.81	21.96	21.96	23.00
5	QPSK	12	13	ANT5	21.80	21.85	21.79	23.00
5	QPSK	25	0	ANT5	21.88	21.80	21.88	23.00
5	16QAM	1	0	ANT5	21.77	21.91	21.79	23.00
5	16QAM	1	12	ANT5	22.14	22.15	22.06	23.00
5	16QAM	1	24	ANT5	21.77	22.02	21.95	23.00
5	16QAM	12	0	ANT5	20.70	20.79	20.74	22.00
5	16QAM	12	6	ANT5	20.83	20.90	20.76	22.00
5	16QAM	12	13	ANT5	20.87	20.94	20.67	22.00
5	16QAM	25	0	ANT5	20.76	20.79	20.79	22.00
5	64QAM	1	0	ANT5	20.85	20.84	20.85	22.00
5	64QAM	1	12	ANT5	20.95	21.09	21.13	22.00
5	64QAM	1	24	ANT5	20.76	20.84	20.84	22.00
5	64QAM	12	0	ANT5	19.81	19.85	19.88	21.00
5	64QAM	12	6	ANT5	19.90	20.06	19.84	21.00
5	64QAM	12	13	ANT5	19.83	19.90	19.87	21.00
5	64QAM	25	0	ANT5	19.83	19.94	19.82	21.00

Band				LTE B38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37800	38000	38200	Tune-up power(dBm)
10	QPSK	1	0	ANT5	22.93	23.05	22.87	24.00
10	QPSK	1	24	ANT5	22.93	23.01	22.95	24.00
10	QPSK	1	49	ANT5	22.69	22.85	22.78	24.00
10	QPSK	25	0	ANT5	21.96	22.11	22.04	23.00
10	QPSK	25	12	ANT5	21.89	22.05	21.98	23.00
10	QPSK	25	25	ANT5	21.75	21.91	21.88	23.00
10	QPSK	50	0	ANT5	21.78	21.83	21.86	23.00
10	16QAM	1	0	ANT5	21.84	21.85	21.73	23.00
10	16QAM	1	24	ANT5	22.03	22.18	22.02	23.00
10	16QAM	1	49	ANT5	21.85	21.89	21.88	23.00
10	16QAM	25	0	ANT5	20.63	20.82	20.77	22.00
10	16QAM	25	12	ANT5	20.85	20.93	20.81	22.00
10	16QAM	25	25	ANT5	20.88	20.85	20.74	22.00
10	16QAM	50	0	ANT5	20.75	20.82	20.84	22.00
10	64QAM	1	0	ANT5	20.89	20.96	20.88	22.00
10	64QAM	1	24	ANT5	21.07	21.06	21.12	22.00
10	64QAM	1	49	ANT5	20.77	20.92	20.77	22.00
10	64QAM	25	0	ANT5	19.90	19.92	19.84	21.00
10	64QAM	25	12	ANT5	19.99	20.00	19.82	21.00
10	64QAM	25	25	ANT5	19.89	19.87	19.93	21.00
10	64QAM	50	0	ANT5	19.75	19.93	19.73	21.00

Band				LTE B38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37825	38000	38175	Tune-up power(dBm)
15	QPSK	1	0	ANT5	22.99	23.02	22.97	24.00
15	QPSK	1	37	ANT5	22.99	23.00	22.89	24.00
15	QPSK	1	74	ANT5	22.77	22.88	22.81	24.00
15	QPSK	36	0	ANT5	22.02	22.03	22.01	23.00
15	QPSK	36	19	ANT5	21.92	22.03	21.94	23.00
15	QPSK	36	39	ANT5	21.80	21.87	21.86	23.00
15	QPSK	75	0	ANT5	21.86	21.94	21.87	23.00
15	16QAM	1	0	ANT5	21.83	21.85	21.70	23.00
15	16QAM	1	37	ANT5	22.04	22.11	22.04	23.00
15	16QAM	1	74	ANT5	21.78	22.00	21.91	23.00
15	16QAM	36	0	ANT5	20.73	20.72	20.75	22.00
15	16QAM	36	19	ANT5	20.84	20.98	20.86	22.00
15	16QAM	36	39	ANT5	20.79	20.87	20.69	22.00
15	16QAM	75	0	ANT5	20.82	20.77	20.78	22.00
15	64QAM	1	0	ANT5	20.79	20.89	20.84	22.00
15	64QAM	1	37	ANT5	21.04	21.15	21.12	22.00
15	64QAM	1	74	ANT5	20.81	20.92	20.81	22.00
15	64QAM	36	0	ANT5	19.89	19.79	19.86	21.00
15	64QAM	36	19	ANT5	19.89	19.94	19.92	21.00
15	64QAM	36	39	ANT5	19.87	19.91	19.85	21.00
15	64QAM	75	0	ANT5	19.84	19.95	19.81	21.00

Band				LTE B38				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	37850	38000	38150	Tune-up power(dBm)
20	QPSK	1	0	ANT5	23.03	23.11	23.01	24.00
20	QPSK	1	49	ANT5	23.01	23.07	23.00	24.00
20	QPSK	1	99	ANT5	22.83	22.97	22.86	24.00
20	QPSK	50	0	ANT5	22.06	22.14	22.13	23.00
20	QPSK	50	25	ANT5	21.94	22.09	22.01	23.00
20	QPSK	50	50	ANT5	21.89	21.98	21.89	23.00
20	QPSK	100	0	ANT5	21.91	21.95	21.91	23.00
20	16QAM	1	0	ANT5	21.87	21.99	21.84	23.00
20	16QAM	1	49	ANT5	22.17	22.20	22.10	23.00
20	16QAM	1	99	ANT5	21.91	22.04	22.01	23.00
20	16QAM	50	0	ANT5	20.75	20.85	20.84	22.00
20	16QAM	50	25	ANT5	20.94	21.01	20.91	22.00
20	16QAM	50	50	ANT5	20.89	20.95	20.82	22.00
20	16QAM	100	0	ANT5	20.84	20.92	20.89	22.00
20	64QAM	1	0	ANT5	20.94	20.98	20.95	22.00
20	64QAM	1	49	ANT5	21.09	21.18	21.16	22.00
20	64QAM	1	99	ANT5	20.88	20.99	20.87	22.00
20	64QAM	50	0	ANT5	19.92	19.94	19.91	21.00
20	64QAM	50	25	ANT5	20.03	20.08	19.97	21.00
20	64QAM	50	50	ANT5	19.91	20.02	19.98	21.00
20	64QAM	100	0	ANT5	19.86	19.97	19.87	21.00

8.3.9 LTE Band40 Output Power

Band				LTE B40				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	38675	39150	39625	Tune-up power(dBm)
5	QPSK	1	0	ANT5	14.39	14.47	14.30	15.50
5	QPSK	1	12	ANT5	14.25	14.37	14.37	15.50
5	QPSK	1	24	ANT5	14.15	14.21	14.21	15.50
5	QPSK	12	0	ANT5	13.40	13.44	13.28	14.50
5	QPSK	12	6	ANT5	13.17	13.28	13.08	14.50
5	QPSK	12	13	ANT5	13.06	13.17	13.07	14.50
5	QPSK	25	0	ANT5	13.17	13.17	13.08	14.50
5	16QAM	1	0	ANT5	13.34	13.30	13.27	14.50
5	16QAM	1	12	ANT5	13.32	13.56	13.44	14.50
5	16QAM	1	24	ANT5	13.30	13.24	13.21	14.50
5	16QAM	12	0	ANT5	12.07	12.23	12.13	13.50
5	16QAM	12	6	ANT5	12.29	12.41	12.17	13.50
5	16QAM	12	13	ANT5	12.17	12.35	12.33	13.50
5	16QAM	25	0	ANT5	12.18	12.23	12.14	13.50
5	64QAM	1	0	ANT5	12.34	12.39	12.28	13.50
5	64QAM	1	12	ANT5	12.47	12.50	12.52	13.50
5	64QAM	1	24	ANT5	12.24	12.32	12.12	13.50
5	64QAM	12	0	ANT5	11.18	11.33	11.26	12.50
5	64QAM	12	6	ANT5	11.36	11.41	11.24	12.50
5	64QAM	12	13	ANT5	11.20	11.29	11.23	12.50
5	64QAM	25	0	ANT5	11.09	11.22	11.17	12.50

Band				LTE B40				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	38700	39150	39600	Tune-up power(dBm)
10	QPSK	1	0	ANT5	14.28	14.48	14.38	15.50
10	QPSK	1	24	ANT5	14.37	14.39	14.26	15.50
10	QPSK	1	49	ANT5	14.20	14.24	14.20	15.50
10	QPSK	25	0	ANT5	13.44	13.41	13.22	14.50
10	QPSK	25	12	ANT5	13.22	13.31	13.08	14.50
10	QPSK	25	25	ANT5	13.10	13.29	13.10	14.50
10	QPSK	50	0	ANT5	13.12	13.26	13.10	14.50
10	16QAM	1	0	ANT5	13.22	13.29	13.28	14.50
10	16QAM	1	24	ANT5	13.35	13.47	13.47	14.50
10	16QAM	1	49	ANT5	13.31	13.22	13.11	14.50
10	16QAM	25	0	ANT5	12.08	12.28	12.26	13.50
10	16QAM	25	12	ANT5	12.26	12.31	12.17	13.50
10	16QAM	25	25	ANT5	12.28	12.34	12.33	13.50
10	16QAM	50	0	ANT5	12.21	12.29	12.23	13.50
10	64QAM	1	0	ANT5	12.32	12.30	12.32	13.50
10	64QAM	1	24	ANT5	12.54	12.50	12.42	13.50
10	64QAM	1	49	ANT5	12.21	12.27	12.22	13.50
10	64QAM	25	0	ANT5	11.08	11.25	11.26	12.50
10	64QAM	25	12	ANT5	11.36	11.31	11.29	12.50
10	64QAM	25	25	ANT5	11.20	11.38	11.13	12.50
10	64QAM	50	0	ANT5	11.16	11.21	11.23	12.50

Band				LTE B40				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	38725	39150	39575	Tune-up power(dBm)
15	QPSK	1	0	ANT5	14.36	14.45	14.35	15.50
15	QPSK	1	37	ANT5	14.32	14.45	14.25	15.50
15	QPSK	1	74	ANT5	14.16	14.21	14.19	15.50
15	QPSK	36	0	ANT5	13.33	13.31	13.35	14.50
15	QPSK	36	19	ANT5	13.21	13.25	13.21	14.50
15	QPSK	36	39	ANT5	13.15	13.16	13.12	14.50
15	QPSK	75	0	ANT5	13.12	13.19	13.06	14.50
15	16QAM	1	0	ANT5	13.35	13.41	13.23	14.50
15	16QAM	1	37	ANT5	13.42	13.49	13.46	14.50
15	16QAM	1	74	ANT5	13.30	13.29	13.15	14.50
15	16QAM	36	0	ANT5	12.14	12.29	12.24	13.50
15	16QAM	36	19	ANT5	12.27	12.28	12.17	13.50
15	16QAM	36	39	ANT5	12.19	12.37	12.22	13.50
15	16QAM	75	0	ANT5	12.17	12.29	12.19	13.50
15	64QAM	1	0	ANT5	12.31	12.34	12.21	13.50
15	64QAM	1	37	ANT5	12.47	12.59	12.51	13.50
15	64QAM	1	74	ANT5	12.28	12.26	12.20	13.50
15	64QAM	36	0	ANT5	11.19	11.27	11.23	12.50
15	64QAM	36	19	ANT5	11.37	11.41	11.29	12.50
15	64QAM	36	39	ANT5	11.23	11.31	11.16	12.50
15	64QAM	75	0	ANT5	11.20	11.20	11.17	12.50

Band				LTE B40				
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	38750	39150	39550	Tune-up power(dBm)
20	QPSK	1	0	ANT5	14.40	14.54	14.42	15.50
20	QPSK	1	49	ANT5	14.40	14.48	14.38	15.50
20	QPSK	1	99	ANT5	14.29	14.33	14.29	15.50
20	QPSK	50	0	ANT5	13.45	13.46	13.37	14.50
20	QPSK	50	25	ANT5	13.31	13.37	13.23	14.50
20	QPSK	50	50	ANT5	13.18	13.30	13.22	14.50
20	QPSK	100	0	ANT5	13.24	13.28	13.15	14.50
20	16QAM	1	0	ANT5	13.37	13.44	13.38	14.50
20	16QAM	1	49	ANT5	13.47	13.58	13.51	14.50
20	16QAM	1	99	ANT5	13.34	13.35	13.26	14.50
20	16QAM	50	0	ANT5	12.18	12.31	12.28	13.50
20	16QAM	50	25	ANT5	12.37	12.42	12.29	13.50
20	16QAM	50	50	ANT5	12.31	12.38	12.34	13.50
20	16QAM	100	0	ANT5	12.22	12.34	12.24	13.50
20	64QAM	1	0	ANT5	12.42	12.45	12.34	13.50
20	64QAM	1	49	ANT5	12.59	12.63	12.57	13.50
20	64QAM	1	99	ANT5	12.36	12.37	12.27	13.50
20	64QAM	50	0	ANT5	11.20	11.35	11.28	12.50
20	64QAM	50	25	ANT5	11.43	11.46	11.31	12.50
20	64QAM	50	50	ANT5	11.34	11.39	11.27	12.50
20	64QAM	100	0	ANT5	11.21	11.33	11.24	12.50

8.3.10 LTE Band41 Output Power

Band				LTE B41					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	40065	40640	41215	Tune-up power(dBm)
5	QPSK	1	0	ANT	DSI1	23.01	22.88	22.83	24.00
5	QPSK	1	12	ANT	DSI1	23.18	23.06	23.04	24.00
5	QPSK	1	24	ANT	DSI1	23.01	22.88	22.91	24.00
5	QPSK	12	0	ANT	DSI1	21.97	21.90	21.96	23.00
5	QPSK	12	6	ANT	DSI1	22.04	21.97	22.00	23.00
5	QPSK	12	13	ANT	DSI1	22.05	21.92	21.95	23.00
5	QPSK	25	0	ANT	DSI1	22.01	21.90	21.95	23.00
5	16QAM	1	0	ANT	DSI1	22.33	22.17	22.24	23.00
5	16QAM	1	12	ANT	DSI1	22.52	22.32	22.44	23.00
5	16QAM	1	24	ANT	DSI1	22.34	22.15	22.28	23.00
5	16QAM	12	0	ANT	DSI1	21.10	20.88	21.06	22.00
5	16QAM	12	6	ANT	DSI1	21.20	20.97	21.10	22.00
5	16QAM	12	13	ANT	DSI1	21.18	20.91	21.03	22.00
5	16QAM	25	0	ANT	DSI1	21.09	20.96	20.99	22.00
5	64QAM	1	0	ANT	DSI1	21.04	21.47	21.16	22.00
5	64QAM	1	12	ANT	DSI1	21.24	21.62	21.38	22.00
5	64QAM	1	24	ANT	DSI1	21.02	21.46	21.20	22.00
5	64QAM	12	0	ANT	DSI1	19.99	20.08	19.94	21.00
5	64QAM	12	6	ANT	DSI1	20.12	20.15	20.00	21.00
5	64QAM	12	13	ANT	DSI1	20.08	20.09	19.93	21.00
5	64QAM	25	0	ANT	DSI1	20.12	19.99	19.93	21.00

Band				LTE B41					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	40090	40640	41190	Tune-up power(dBm)
10	QPSK	1	0	ANT	DSI1	23.00	23.04	22.93	24.00
10	QPSK	1	24	ANT	DSI1	23.04	23.12	23.02	24.00
10	QPSK	1	49	ANT	DSI1	22.97	23.08	22.99	24.00
10	QPSK	25	0	ANT	DSI1	21.94	21.92	21.96	23.00
10	QPSK	25	12	ANT	DSI1	22.02	21.98	22.02	23.00
10	QPSK	25	25	ANT	DSI1	22.02	21.97	21.95	23.00
10	QPSK	50	0	ANT	DSI1	21.99	21.97	21.97	23.00
10	16QAM	1	0	ANT	DSI1	22.25	22.39	22.35	23.00
10	16QAM	1	24	ANT	DSI1	22.31	22.44	22.41	23.00
10	16QAM	1	49	ANT	DSI1	22.27	22.40	22.38	23.00
10	16QAM	25	0	ANT	DSI1	20.97	20.93	21.00	22.00
10	16QAM	25	12	ANT	DSI1	21.11	20.99	21.06	22.00
10	16QAM	25	25	ANT	DSI1	21.11	20.98	20.96	22.00
10	16QAM	50	0	ANT	DSI1	21.03	20.97	21.02	22.00
10	64QAM	1	0	ANT	DSI1	20.89	21.47	21.19	22.00
10	64QAM	1	24	ANT	DSI1	20.95	21.54	21.24	22.00
10	64QAM	1	49	ANT	DSI1	20.88	21.49	21.22	22.00
10	64QAM	25	0	ANT	DSI1	20.02	19.95	19.91	21.00
10	64QAM	25	12	ANT	DSI1	20.16	19.99	19.99	21.00
10	64QAM	25	25	ANT	DSI1	20.15	20.01	19.92	21.00
10	64QAM	50	0	ANT	DSI1	20.03	19.94	19.99	21.00

Band				LTE B41					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	40115	40640	41165	Tune-up power(dBm)
15	QPSK	1	0	ANT	DSI1	22.93	22.97	22.91	24.00
15	QPSK	1	37	ANT	DSI1	23.06	23.11	23.05	24.00
15	QPSK	1	74	ANT	DSI1	22.92	23.02	22.99	24.00
15	QPSK	36	0	ANT	DSI1	21.93	21.84	21.96	23.00
15	QPSK	36	19	ANT	DSI1	22.01	21.99	21.99	23.00
15	QPSK	36	39	ANT	DSI1	21.98	21.95	21.98	23.00
15	QPSK	75	0	ANT	DSI1	21.99	21.93	22.02	23.00
15	16QAM	1	0	ANT	DSI1	22.19	22.31	22.21	23.00
15	16QAM	1	37	ANT	DSI1	22.32	22.45	22.37	23.00
15	16QAM	1	74	ANT	DSI1	22.17	22.36	22.27	23.00
15	16QAM	36	0	ANT	DSI1	20.94	20.82	20.96	22.00
15	16QAM	36	19	ANT	DSI1	21.03	20.95	21.00	22.00
15	16QAM	36	39	ANT	DSI1	20.98	20.92	20.97	22.00
15	16QAM	75	0	ANT	DSI1	21.01	20.92	20.99	22.00
15	64QAM	1	0	ANT	DSI1	20.81	21.39	20.99	22.00
15	64QAM	1	37	ANT	DSI1	20.91	21.55	21.14	22.00
15	64QAM	1	74	ANT	DSI1	20.80	21.45	21.06	22.00
15	64QAM	36	0	ANT	DSI1	20.00	19.97	19.95	21.00
15	64QAM	36	19	ANT	DSI1	20.11	20.08	19.96	21.00
15	64QAM	36	39	ANT	DSI1	20.08	20.04	19.96	21.00
15	64QAM	75	0	ANT	DSI1	20.00	19.97	20.00	21.00

Band				LTE B41					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	40140	40640	41140	Tune-up power(dBm)
20	QPSK	1	0	ANT	DSI1	23.02	23.07	23.07	24.00
20	QPSK	1	49	ANT	DSI1	23.11	23.12	23.10	24.00
20	QPSK	1	99	ANT	DSI1	22.95	22.93	22.97	24.00
20	QPSK	50	0	ANT	DSI1	21.86	21.84	21.98	23.00
20	QPSK	50	25	ANT	DSI1	22.02	22.04	22.02	23.00
20	QPSK	50	50	ANT	DSI1	21.93	21.99	21.93	23.00
20	QPSK	100	0	ANT	DSI1	21.88	21.92	21.93	23.00
20	16QAM	1	0	ANT	DSI1	22.35	22.15	22.37	23.00
20	16QAM	1	49	ANT	DSI1	22.39	22.23	22.49	23.00
20	16QAM	1	99	ANT	DSI1	22.17	22.06	22.32	23.00
20	16QAM	50	0	ANT	DSI1	20.87	20.84	21.01	22.00
20	16QAM	50	25	ANT	DSI1	21.05	21.01	21.06	22.00
20	16QAM	50	50	ANT	DSI1	20.93	20.98	20.96	22.00
20	16QAM	100	0	ANT	DSI1	20.91	20.88	20.92	22.00
20	64QAM	1	0	ANT	DSI1	21.63	21.09	21.34	22.00
20	64QAM	1	49	ANT	DSI1	21.69	21.19	21.50	22.00
20	64QAM	1	99	ANT	DSI1	21.47	21.00	21.30	22.00
20	64QAM	50	0	ANT	DSI1	19.93	19.91	20.04	21.00
20	64QAM	50	25	ANT	DSI1	20.12	20.11	20.13	21.00
20	64QAM	50	50	ANT	DSI1	20.00	20.03	20.01	21.00
20	64QAM	100	0	ANT	DSI1	19.94	19.95	20.03	21.00

8.4.1 Wi-Fi2.4G Output Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)			Tune up Power (dBm)			SAR Test Require.		
				ANT1	ANT4	MIMO	ANT1	ANT4	MIMO	ANT1	ANT4	MIMO
Wi-Fi2.4G	802.11b	1	2412	17.35	19.07	21.30	19.00	20.00	22.50	No	No	No
		6	2437	17.69	19.15	21.49	19.00	20.00	22.50	No	Yes	Yes
		11	2462	17.97	17.75	20.87	19.00	19.00	22.00	Yes	No	No
	802.11g	1	2412	15.39	17.14	19.36	16.50	18.00	20.50	No	No	No
		6	2437	15.93	17.34	19.70	16.50	18.00	20.50	No	No	No
		11	2462	15.23	15.70	18.48	16.50	17.00	19.50	No	No	No
	802.11n(HT20)	1	2412	15.27	17.35	19.44	16.50	18.50	20.50	No	No	No
		6	2437	15.57	17.46	19.63	16.50	18.50	20.50	No	No	No
		11	2462	15.08	15.81	18.47	16.50	17.00	19.50	No	No	No
	802.11n(HT40)	3	2422	15.36	17.11	19.33	16.50	18.00	20.50	No	No	No
		6	2437	16.76	18.45	20.70	18.00	19.50	21.50	No	No	No
		9	2452	15.43	15.75	18.60	16.50	16.50	19.50	No	No	No
	802.11ax(HE20)	1	2412	14.64	16.71	18.81	15.50	17.50	19.50	No	No	No
		6	2437	14.79	16.56	18.78	15.50	17.50	19.50	No	No	No
		11	2462	15.60	15.94	18.78	16.50	17.00	19.50	No	No	No
	802.11ax(HE40)	3	2422	14.58	16.50	18.66	15.50	17.50	19.50	No	No	No
		6	2437	14.59	16.32	18.55	15.50	17.50	19.50	No	No	No
		9	2452	16.11	16.40	19.27	16.50	17.50	20.00	No	No	No

8.4.2 Wi-Fi5G U-NII-1 Output Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)			Tune up Power (dBm)			SAR Test Require.		
				ANT1	ANT4	MIMO	ANT1	ANT4	MIMO	ANT1	ANT4	MIMO
Wi-Fi5G U-NII-1	802.11a	36	5180	12.43	12.71	15.58	13.50	13.50	16.50	No	No	No
		44	5220	11.82	12.42	15.14	12.50	13.50	16.00	No	No	No
		48	5240	11.75	12.57	15.19	12.50	13.50	16.00	No	No	No
	802.11n(HT20)	36	5180	13.76	13.19	16.49	14.50	14.00	17.50	No	No	No
		44	5220	13.40	13.57	16.50	14.50	14.50	17.50	No	No	No
		48	5240	13.10	13.34	16.23	14.00	14.00	17.00	No	No	No
	802.11n(HT40)	38	5190	13.46	12.63	16.08	14.50	13.50	17.00	No	No	No
		46	5230	11.97	12.76	15.39	13.00	13.50	16.50	No	No	No
	802.11ac(VHT20)	36	5180	11.69	13.04	15.43	12.50	14.00	16.50	No	No	No
		44	5220	12.25	13.04	15.67	13.00	14.00	16.50	No	No	No
		48	5240	10.73	12.41	14.66	11.50	13.50	15.50	No	No	No
	802.11ac(VHT40)	38	5190	14.36	15.56	18.01	15.50	16.00	19.00	No	No	No
		46	5230	14.14	14.76	17.47	15.00	15.50	18.50	No	No	No
	802.11ac(VHT80)	42	5210	14.34	14.70	17.53	15.50	15.50	18.50	No	No	No
	802.11ax(HE20)	36	5180	15.14	15.79	18.49	16.00	17.00	19.50	Yes	Yes	Yes
		44	5220	15.21	13.84	17.59	16.00	14.50	18.50	No	No	No
		48	5240	15.17	13.47	17.41	16.00	14.50	18.50	No	No	No
	802.11ax(HE40)	38	5190	11.15	13.24	15.33	12.00	14.00	15.50	No	No	No
		46	5230	12.17	12.78	15.50	13.00	13.50	16.50	No	No	No
	802.11ax(HE80)	42	5210	14.05	16.06	18.18	15.00	16.50	19.00	No	No	No

8.4.3 Wi-Fi5G U-NII-2A Output Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)			Tune up Power (dBm)			SAR Test Require.		
				ANT1	ANT4	MIMO	ANT1	ANT4	MIMO	ANT1	ANT4	MIMO
Wi-Fi5G U-NII-2A	802.11a	52	5260	11.59	13.38	15.59	12.50	14.50	16.50	No	No	No
		60	5300	11.61	13.15	15.46	12.50	14.50	16.50	No	No	No
		64	5320	11.20	13.29	15.38	12.50	14.50	16.50	No	No	No
	802.11n(HT20)	52	5260	11.75	13.48	15.71	12.50	14.50	16.50	No	No	No
		60	5300	11.62	13.58	15.72	12.50	14.50	16.50	No	No	No
		64	5320	11.73	13.60	15.78	12.50	14.50	16.50	No	No	No
	802.11n(HT40)	54	5270	10.84	12.43	14.72	11.50	13.50	15.50	No	No	No
		62	5310	10.78	12.70	14.86	11.50	13.50	15.50	No	No	No
	802.11ac(VHT20)	52	5260	10.90	12.68	14.89	11.50	13.50	15.50	No	No	No
		60	5300	10.68	12.47	14.68	11.50	13.50	15.50	No	No	No
		64	5320	10.60	12.58	14.71	11.50	13.50	15.50	No	No	No
	802.11ac(VHT40)	54	5270	12.89	15.05	17.11	13.50	16.00	18.00	No	No	No
		62	5310	12.62	15.37	17.22	13.50	16.00	18.00	No	No	No
	802.11ac(VHT80)	58	5290	12.45	14.50	16.61	13.50	15.50	17.50	No	No	No
	802.11ax(HE20)	52	5260	13.25	15.25	17.37	14.50	16.50	18.50	No	No	No
		60	5300	13.70	15.26	17.56	14.50	16.50	18.50	No	Yes	No
		64	5320	13.73	15.23	17.55	14.50	16.50	18.50	No	No	No
	802.11ax(HE40)	54	5270	10.80	12.21	14.57	11.50	13.50	15.50	No	No	No
		62	5310	10.96	12.87	15.03	11.50	13.50	15.50	No	No	No
	802.11ax(HE80)	58	5290	15.24	14.84	18.05	16.00	15.50	19.00	Yes	No	Yes

8.4.4 Wi-Fi5G U-NII-2C Output Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)			Tune up Power (dBm)			SAR Test Require.		
				ANT1	ANT4	MIMO	ANT1	ANT4	MIMO	ANT1	ANT4	MIMO
Wi-Fi5G U-NII-2C	802.11a	100	5500	11.42	12.03	14.75	12.50	13.00	15.50	No	No	No
		116	5580	12.25	12.55	15.41	13.50	13.50	16.50	No	No	No
		140	5700	12.60	13.32	15.99	13.50	14.50	17.00	No	No	No
	802.11n(HT20)	100	5500	12.00	12.47	15.25	13.00	13.50	16.50	No	No	No
		116	5580	12.67	12.94	15.82	13.50	14.00	16.50	No	No	No
		140	5700	13.04	13.61	16.34	14.00	14.50	17.50	No	No	No
	802.11n(HT40)	102	5510	10.67	12.13	14.47	11.50	14.00	15.50	No	No	No
		118	5590	11.08	12.45	14.83	12.00	13.50	15.50	No	No	No
		134	5670	11.13	13.77	15.66	12.00	14.50	16.50	No	No	No
	802.11ac(VHT20)	100	5500	10.45	11.29	13.90	11.50	12.50	14.50	No	No	No
		116	5580	11.08	12.22	14.70	12.00	13.00	15.50	No	No	No
		140	5700	11.12	12.70	14.99	13.00	13.50	16.00	No	No	No
	802.11ac(VHT40)	102	5510	14.25	14.15	17.21	15.50	15.00	18.50	No	No	No
		118	5590	13.49	15.05	17.35	14.50	16.00	18.50	No	No	No
		134	5670	13.66	16.18	18.11	14.50	17.00	19.00	No	Yes	No
	802.11ac(VHT80)	106	5530	12.82	13.68	16.28	13.50	14.50	17.50	No	No	No
		122	5610	13.99	14.49	17.26	15.00	15.50	18.00	No	No	No
	802.11ax(HE20)	100	5500	13.61	15.06	17.41	14.50	16.00	18.50	No	No	No
		116	5580	14.88	15.63	18.28	15.50	16.50	19.00	No	No	No
		140	5700	14.62	16.25	18.52	15.50	17.00	19.50	No	No	No
	802.11ax(HE40)	102	5510	12.22	12.64	15.45	13.00	13.50	16.50	No	No	No
		118	5590	12.87	12.54	15.72	13.50	13.50	16.50	No	No	No
		134	5670	11.88	14.07	16.12	13.00	15.00	17.00	No	No	No
	802.11ax(HE80)	106	5530	15.13	14.09	17.65	16.00	15.00	18.50	No	No	No
		122	5610	16.05	14.82	18.49	17.00	15.50	19.50	Yes	No	Yes

8.4.5 Wi-Fi5G U-NII-3 Output Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)			Tune up Power (dBm)			SAR Test Require.		
				ANT1	ANT4	MIMO	ANT1	ANT4	MIMO	ANT1	ANT4	MIMO
Wi-Fi5G U-NII-3	802.11a	149	5745	12.72	13.44	16.11	13.50	14.50	17.00	No	No	No
		157	5785	12.91	13.43	16.19	13.50	14.50	17.00	No	No	No
		165	5825	12.69	13.35	16.04	13.50	14.50	17.00	No	No	No
	802.11n(HT20)	149	5745	13.13	14.07	16.64	14.00	15.00	17.50	No	No	No
		157	5785	13.20	13.91	16.58	14.00	15.00	17.50	No	No	No
		165	5825	12.97	13.84	16.44	14.00	15.00	17.50	No	No	No
	802.11n(HT40)	151	5755	11.96	12.97	15.50	13.00	14.00	16.50	No	No	No
		159	5795	11.67	13.03	15.41	13.00	14.00	16.50	No	No	No
	802.11ac(VHT20)	149	5745	11.81	12.51	15.18	12.50	13.50	16.00	No	No	No
		157	5785	11.81	12.75	15.32	12.50	13.50	16.00	No	No	No
		165	5825	11.62	12.29	14.98	12.50	13.50	16.00	No	No	No
	802.11ac(VHT40)	151	5755	13.84	15.21	17.59	14.50	16.00	18.50	No	No	No
		159	5795	14.51	14.89	17.71	15.50	15.50	18.50	Yes	No	Yes
	802.11ac(VHT80)	155	5775	13.70	14.85	17.32	14.50	15.50	18.00	No	No	No
	802.11ax(HE20)	149	5745	13.99	15.67	17.92	15.00	16.50	18.50	No	No	No
		157	5785	14.04	15.81	18.02	15.00	16.50	18.50	No	Yes	No
		165	5825	13.61	15.70	17.79	15.00	16.50	18.50	No	No	No
	802.11ax(HE40)	151	5755	12.10	13.48	15.85	13.00	14.50	16.50	No	No	No
		159	5795	11.53	13.74	15.78	12.50	14.50	16.50	No	No	No
	802.11ax(HE80)	155	5775	13.09	15.06	17.20	14.00	16.00	18.00	No	No	No

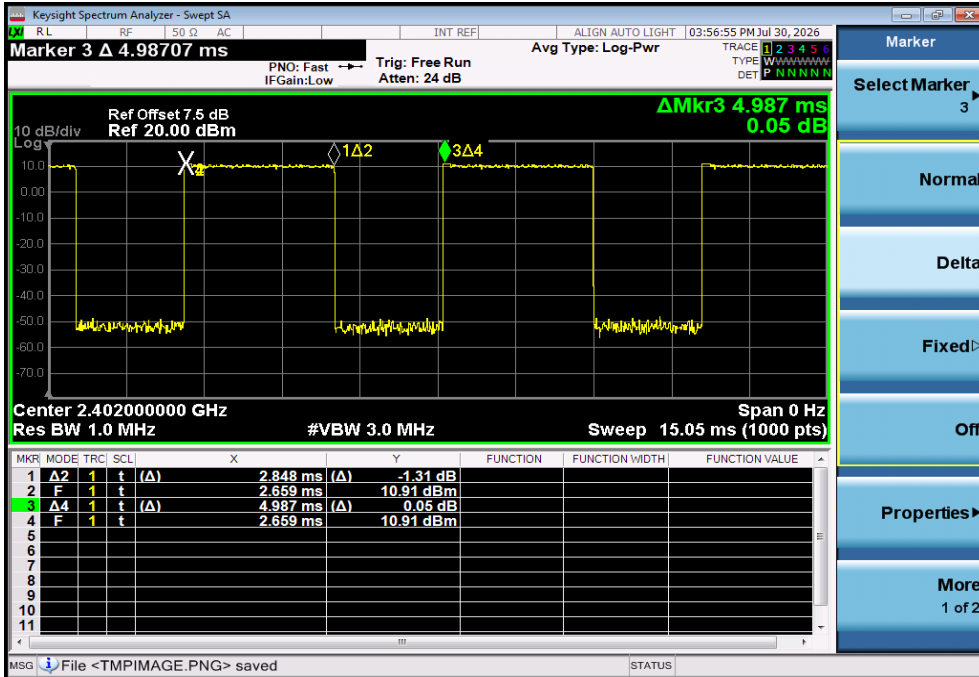
8.4.6 Wi-Fi6G Output Power

test Mode	Modulation	Channel number	Fre.(MHz)	Output power(dBm)			Tune up power(dBm)			SAR Test		
				ANT1	ANT4	ANTMIMO	ANT1	ANT4	ANTMIMO	ANT1	ANT4	ANTMIMO
WIFI 6E U-NII-5	11ax20	1	5955	5.83	6.18	9.02	6.00	7.00	9.50	No	No	No
		45	6175	4.75	6.45	8.69	6.00	7.00	9.50	No	No	No
		93	6415	4.67	6.69	8.81	6.00	7.00	9.50	No	No	No
	11ax40	3	5965	7.18	8.93	11.15	7.50	9.00	11.50	No	No	No
		43	6165	6.00	7.97	10.11	7.50	9.00	11.50	No	No	No
		91	6405	6.66	8.36	10.60	7.50	9.00	11.50	No	No	No
	11ax80	7	5985	10.52	11.46	14.03	11.00	12.00	14.50	Yes	Yes	Yes
		39	6145	9.56	11.28	13.51	10.00	12.00	14.50	Yes	Yes	Yes
		87	6385	9.84	11.78	13.93	10.00	12.00	14.50	Yes	Yes	Yes
WIFI 6E U-NII-6	11ax20	97	6435	4.87	5.26	8.08	5.00	6.00	9.00	No	No	No
		105	6475	4.80	5.24	8.04	5.00	6.00	9.00	No	No	No
		113	6515	3.37	7.09	8.63	5.00	7.50	9.00	No	No	No
	11ax40	99	6445	7.07	7.87	10.50	7.50	9.00	12.00	No	No	No
		107	6485	7.21	7.96	10.61	7.50	9.00	12.00	No	No	No
		115	6525	7.11	9.81	11.68	7.50	10.00	12.00	No	No	No
	11ax80	103	6465	11.04	11.52	14.30	12.00	12.00	14.50	Yes	Yes	Yes
		119	6545	9.16	12.71	14.30	10.00	13.00	14.50	Yes	Yes	Yes
		117	6535	4.33	7.72	9.36	6.00	8.00	10.00	No	No	No
WIFI 6E U-NII-7	11ax20	153	6715	4.23	5.89	8.15	6.00	7.00	10.00	No	No	No
		181	6855	5.73	6.14	8.95	6.00	7.00	10.00	No	No	No
		123	6565	6.51	8.73	10.77	7.00	9.00	11.00	No	No	No
	11ax40	155	6725	5.54	7.84	9.85	7.00	9.00	11.00	No	No	No
		179	6845	6.38	6.88	9.65	7.00	8.00	11.00	No	No	No
		135	6625	10.08	11.61	13.92	11.00	12.00	14.50	Yes	Yes	Yes
	11ax80	151	6705	10.45	12.27	14.46	11.00	13.00	14.50	Yes	Yes	Yes
		167	6785	9.72	11.51	13.72	10.00	12.00	14.50	Yes	Yes	Yes
		185	6875	7.24	7.47	10.37	7.50	8.00	10.50	No	No	No
WIFI 6E U-NII-8	11ax20	213	7015	6.92	6.72	9.83	7.50	7.00	10.50	No	No	No
		229	7095	6.61	6.55	9.59	7.50	7.00	10.50	No	No	No
		233	7115	6.83	6.77	9.81	7.50	7.00	10.50	No	No	No
	11ax40	187	6885	8.87	9.42	12.16	9.00	10.00	13.00	No	No	No
		211	7005	8.62	8.85	11.75	9.00	10.00	13.00	No	No	No
		227	7085	8.56	10.54	12.67	9.00	11.00	13.00	No	No	No
	11ax80	183	6865	12.40	12.46	15.44	13.00	13.00	15.50	Yes	Yes	Yes
		199	6945	11.42	11.71	14.58	12.00	12.00	15.50	Yes	Yes	Yes
		215	7025	12.33	11.60	14.99	13.00	12.00	15.50	Yes	Yes	Yes

8.5.1 Bluetooth Output Power

Bluetooth						
Band	Mode	Channel	Freq.	Conducted Power	Tune-up Power Limit	SAR Test
(GHz)			(MHz)	(dBm)	(dBm)	Require.
Bluetooth Ant.2	GFSK	0	2402	9.92	11.0	No
		39	2441	10.08	11.0	No
		78	2480	10.00	11.0	No
	$\pi/4$ -DQPSK	0	2402	9.85	11.0	No
		39	2441	10.04	11.0	No
		78	2480	10.04	11.0	No
	8-DPSK	0	2402	9.86	11.0	No
		39	2441	10.13	11.0	Yes
		78	2480	10.12	11.0	No
	BLE-1M	0	2402	9.63	10.5	No
		19	2440	9.94	10.5	No
		39	2480	9.72	10.5	No
	BLE-2M	1	2404	9.61	10.5	No
		19	2440	9.88	10.5	No
		38	2478	9.79	10.5	No

Note 1: Since Bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using BDR modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode.



The Bluetooth duty cycle is 57.11% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation Duty Cycle.