

WWAN DSI-4 Power Ant2(DIV)

Band	GSM850				GSM1900			
Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	31.95	31.96	32.04	33.50	27.60	27.72	27.64	28.50
GPRS 1Tx Slot	31.93	31.94	32.02	33.50	27.58	27.71	27.62	28.50
GPRS 2Tx Slot	28.49	28.49	28.57	30.00	22.81	23.01	22.98	23.70
GPRS 3Tx Slot	27.11	27.10	27.08	28.50	21.07	21.27	21.24	22.00
GPRS 4Tx Slot	26.14	26.14	26.22	27.50	19.97	20.23	20.18	21.00
EDGE 1Tx Slot	26.90	26.72	26.77	28.00	25.22	25.21	25.39	27.00
EDGE 2Tx Slot	23.96	23.79	23.93	25.00	21.30	21.30	21.42	23.00
EDGE 3Tx Slot	22.28	22.10	22.16	23.20	19.47	19.35	19.78	21.20
EDGE 4Tx Slot	20.88	20.53	20.64	22.00	18.91	18.80	18.95	20.50

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
Channel	128	189	251		512	661	810	
GSM	22.95	22.96	23.04	24.50	18.60	18.72	18.64	19.50
GPRS 1Tx Slot	22.93	22.94	23.02	24.50	18.58	18.71	18.62	19.50
GPRS 2Tx Slot	22.49	22.49	22.57	24.00	16.81	17.01	16.98	17.70
GPRS 3Tx Slot	22.85	22.84	22.82	24.24	16.81	17.01	16.98	17.74
GPRS 4Tx Slot	23.14	23.14	23.22	24.50	16.97	17.23	17.18	18.00
EDGE 1Tx Slot	17.90	17.72	17.77	19.00	16.22	16.21	16.39	18.00
EDGE 2Tx Slot	17.96	17.79	17.93	19.00	15.30	15.30	15.42	17.00
EDGE 3Tx Slot	18.02	17.84	17.90	18.94	15.21	15.09	15.52	16.94
EDGE 4Tx Slot	17.88	17.53	17.64	19.00	15.91	15.80	15.95	17.50

Band	WCDMA II			WCDMA II Max. Tune-up Power (dBm)	WCDMA IV			WCDMA IV Max. Tune-up Power (dBm)	WCDMA V			WCDMA V Max. Tune-up Power (dBm)
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9662	9800	9938	Max. Tune-up Power (dBm)	1537	1638	1738	Max. Tune-up Power (dBm)	4357	4407	4458	Max. Tune-up Power (dBm)
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	21.48	21.40	21.44	22.50	21.59	21.56	21.57	22.50	24.12	24.09	24.10	25.50
HSDPA Subtest-1	20.66	20.54	20.58	21.00	20.70	20.75	20.76	21.00	23.30	23.23	23.20	24.00
HSDPA Subtest-2	20.64	20.53	20.57	21.00	20.78	20.73	20.68	21.00	23.26	23.19	23.22	24.00
HSDPA Subtest-3	20.12	20.02	20.10	21.00	20.26	20.18	20.26	21.00	22.75	22.74	22.77	24.00
HSDPA Subtest-4	20.08	20.02	20.05	21.00	20.28	20.18	20.23	21.00	22.80	22.72	22.70	24.00
DC-HSDPA Subtest-1	20.57	20.53	20.63	21.00	20.76	20.69	20.77	21.00	23.29	23.22	23.26	24.00
DC-HSDPA Subtest-2	20.59	20.53	20.53	21.00	20.77	20.67	20.71	21.00	23.27	23.27	23.22	24.00
DC-HSDPA Subtest-3	20.10	20.06	20.07	21.00	20.19	20.24	20.19	21.00	22.80	22.75	22.72	24.00
DC-HSDPA Subtest-4	20.14	20.00	20.06	21.00	20.23	20.18	20.17	21.00	22.72	22.78	22.76	24.00
HSUPA Subtest-1	18.84	18.73	18.74	20.00	18.95	18.95	18.92	20.00	21.44	21.46	21.42	23.00
HSUPA Subtest-2	18.49	18.48	18.52	20.00	18.60	18.66	18.66	20.00	21.12	21.15	21.18	23.00
HSUPA Subtest-3	19.47	19.38	19.41	20.00	19.56	19.50	19.55	20.00	22.12	22.07	22.01	23.00
HSUPA Subtest-4	18.17	18.08	18.13	20.00	18.26	18.19	18.20	20.00	21.09	21.07	21.10	23.00
HSUPA Subtest-5	19.39	19.35	19.42	20.00	19.49	19.52	19.46	20.00	22.08	22.07	22.02	23.00
HSPA+ Subtest-1	18.73	18.67	18.69	20.00	18.86	18.82	18.77	20.00	21.39	21.33	21.40	23.00

LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	
		Channel	Frequency (MHz)	18750	18850	19100	
20M	QPSK	1	0	21.15	20.80	20.82	22.5
		1	50	21.34	21.10	21.12	22.5
		1	99	20.80	20.76	20.67	22.5
		50	0	21.24	21.04	21.00	22.5
		50	25	21.25	21.03	20.94	22.5
	16QAM	50	50	21.23	21.03	20.94	22.5
		100	0	21.21	21.02	20.96	22.5
		1	0	21.00	20.91	20.76	22.5
		1	50	21.13	21.00	21.00	22.5
		1	99	20.77	20.67	20.58	22.5
20M	16QAM	50	0	21.24	21.07	20.99	22.5
		50	25	21.19	21.00	20.98	22.5
		50	50	21.17	21.04	20.94	22.5
		100	0	21.13	21.05	20.94	22.5
		1	0	21.01	20.94	20.77	22.5
	64QAM	1	50	21.09	21.02	20.90	22.5
		1	99	20.77	20.66	20.58	22.5
		50	0	20.98	20.77	20.78	22.5
		50	25	20.95	20.77	20.63	22.5
		50	50	20.93	20.74	20.77	22.5
20M	64QAM	100	0	20.91	20.82	20.71	22.5
		1	0	20.87	20.84	20.72	22.5
		1	37	20.99	20.93	20.94	22.5
		1	74	20.77	20.61	20.65	22.5
		36	0	21.14	20.98	20.93	22.5
	16QAM	36	19	21.17	21.02	20.82	22.5
		36	39	21.19	21.02	20.82	22.5
		75	0	21.10	20.88	20.85	22.5
		1	0	20.97	20.84	20.72	22.5
		1	37	20.99	20.93	20.94	22.5
20M	16QAM	1	74	20.74	20.55	20.47	22.5
		36	0	20.83	20.76	20.74	22.5
		36	19	20.88	20.74	20.56	22.5
		36	39	20.80	20.71	20.75	22.5
		75	0	20.80	20.73	20.61	22.5
	64QAM	75	0	20.80	20.73	20.61	22.5
		1	0	20.87	20.84	20.72	22.5
		1	37	20.99	20.93	20.94	22.5
		1	74	20.76	20.65	20.47	22.5
		36	0	20.83	20.76	20.74	22.5
20M	QPSK	36	19	20.88	20.74	20.56	22.5
		36	39	20.80	20.71	20.75	22.5
		75	0	20.80	20.73	20.61	22.5
		1	0	20.87	20.84	20.72	22.5
		1	37	20.99	20.93	20.94	22.5
	16QAM	1	74	20.76	20.65	20.47	22.5
		36	0	20.83	20.76	20.74	22.5
		36	19	20.88	20.74	20.56	22.5
		36	39	20.80	20.71	20.75	22.5
		75	0	20.80	20.73	20.61	22.5
20M	QPSK	75	0	20.80	20.73	20.61	22.5
		1	0	20.87	20.84	20.72	22.5
		1	37	20.99	20.93	20.94	22.5
		1	74	20.76	20.65	20.47	22.5
		36	0	20.83	20.76	20.74	22.5
	16QAM	36	19	20.88	20.74	20.56	22.5
		36	39	20.80	20.71	20.75	22.5
		75	0	20.80	20.73	20.61	22.5
		1	0	20.87	20.84	20.72	22.5
		1	37	20.99	20.93	20.94	22.5
20M	QPSK	1	49	20.73	20.72	20.54	22.5
		25	0	21.08	20.89	20.89	22.5
		25	12	21.13	20.92	20.86	22.5
		25	25	21.13	20.96	20.91	22.5
		50	0	21.11	20.95	20.87	22.5
	16QAM	1	0	20.98	20.78	20.65	22.5
		1	24	21.05	20.86	20.99	22.5
		1	49	20.68	20.56	20.42	22.5
		25	0	21.16	20.94	20.95	22.5
		25	12	21.06	20.91	20.96	22.5
20M	16QAM	25	25	21.15	20.98	20.90	22.5
		50	0	21.06	21.04	20.87	22.5
		1	0	20.89	20.79	20.67	22.5
		1	24	21.00	20.89	20.75	22.5
		1	49	20.65	20.58	20.48	22.5
	64QAM	25	0	20.91	20.71	20.75	22.5
		25	12	20.82	20.68	20.53	22.5
		25	25	20.86	20.67	20.76	22.5
		50	0	20.80	20.68	20.59	22.5
		50	0	20.80	20.68	20.59	22.5
20M	QPSK	Channel	18825	18850	18875	Max. Tune-up (dBm)	
		Frequency (MHz)	18825	18850	18875		
		1	0	21.11	20.78	20.68	22.5
		1	12	21.23	21.04	21.02	22.5
		1	24	20.71	20.68	20.66	22.5
	16QAM	12	0	21.17	21.02	20.88	22.5
		12	6	21.22	20.91	20.76	22.5
		12	13	21.18	20.98	20.81	22.5
		25	0	21.20	20.84	20.69	22.5
		1	0	20.99	20.88	20.68	22.5
20M	16QAM	1	12	21.12	20.95	20.96	22.5
		1	24	20.75	20.52	20.45	22.5
		12	0	21.01	20.91	20.95	22.5
		12	6	21.08	20.93	20.83	22.5
		12	13	21.16	20.89	20.89	22.5
	64QAM	25	0	21.01	21.03	20.90	22.5
		1	0	21.00	20.78	20.62	22.5
		1	12	21.00	20.84	20.76	22.5
		1	24	20.75	20.65	20.54	22.5
		12	0	20.96	20.65	20.64	22.5
20M	QPSK	12	6	20.93	20.72	20.57	22.5
		12	13	20.82	20.68	20.75	22.5
		25	0	20.87	20.73	20.66	22.5
		1	0	20.87	20.84	20.72	22.5
		1	37	20.99	20.93	20.94	22.5
	16QAM	1	74	20.76	20.65	20.47	22.5
		36	0	20.83	20.76	20.74	22.5
		36	19	20.88	20.74	20.56	22.5
		36	39	20.80	20.71	20.75	22.5
		75	0	20.80	20.73	20.66	22.5
20M	QPSK	Channel	18815	18830	18845	Max. Tune-up (dBm)	
		Frequency (MHz)	18815	18830	18845		
		1	0	21.30	20.83	20.76	22.5
		1	7	21.32	20.95	20.96	22.5
		1	14	20.76	20.64	20.54	22.5
	16QAM	8	0	21.10	20.90	20.91	22.5
		8	3	21.10	20.88	20.86	22.5
		8	7	21.20	20.89	20.85	22.5
		15	0	21.08	20.96	20.95	22.5
		1	0	20.96	20.76	20.69	22.5
20M	16QAM	1	7	21.01	20.96	20.93	22.5
		1	14	20.63	20.47	20.51	22.5
		8	0	21.23	20.98	20.98	22.5
		8	3	21.18	20.85	20.86	22.5
		8	7	21.04	20.89	20.93	22.5
	64QAM	15	0	21.07	21.01	20.82	22.5
		1	0	20.90	20.80	20.63	22.5
		1	7	21.04	20.97	20.77	22.5
		1	14	20.69	20.65	20.43	22.5
		8	0	20.83	20.63	20.68	22.5
20M	QPSK	8	3	20.89	20.75	20.57	22.5
		8	7	20.88	20.77	20.69	22.5
		15	0	20.79	20.78	20.63	22.5
		1	0	20.96	20.96	20.88	22.5
		1	14	20.69	20.65	20.43	22.5
	16QAM	8	0	20.83	20.63	20.68	22.5
		8	3	20.89	20.75	20.57	22.5
		8	7	20.88	20.77	20.69	22.5
		15	0	20.79	20.78	20.63	22.5
		1	0	20.96	20.96	20.88	22.5
20M	QPSK	Channel	18807	18820	18833	Max. Tune-up (dBm)	
		Frequency (MHz)	18807	18820	18833		
		1	0	21.14	20.82	20.71	22.5
		1	2	21.30	21.03	21.11	22.5
		1	5	20.74	20.74	20.57	22.5
	16QAM	3	0	21.07	20.96	20.87	22.5
		3	1	21.15	20.86	20.81	22.5
		3	3	21.22	21.00	20.89	22.5
		6	0	21.16	20.95	20.89	22.5
		1	0	20.96	20.84	20.63	22.5
20M	16QAM	1	2	21.04	20.96	20.98	22.5
		1	5	20.62	20.61	20.49	22.5
		3	0	21.19	21.05	20.98	22.5
		3	1	21.12	20.99	20.90	22.5
		3	3	21.16	20.95	20.82	22.5
	64QAM	6	0	21.06	20.91	20.86	22.5
		1	0	20.97	20.71	20.64	22.5
		1	2	20.96	20.93	20.88	22.5
		1	5	20.70	20.65	20.56	22.5
		3	0	20.88	20.68	20.64	22.5
20M	QPSK	3	1	20.85	20.68	20.50	22.5
		3	3	20.79	20.68	20.50	22.5
		3	0	20.79	20.76	20.62	22.5
		3	1	20.85	20.68	20.50	22.5
		3	3	20.79	20.68	20.50	22.5
	64QAM	3	0	20.79	20.76	20.62	22.5
		3	1	20.85	20.68	20.50	22.5
		3	3	20.79	20.68	20.50	22.5
		3	0	20.79	20.76	20.62	22.5
		3	1	20.85	20.68	20.50	22.5

LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	
		Channel	20850	20915	20980	Max. Tune-up (dBm)	
20M	QPSK	Frequency (MHz)	1728	1732.5	1748		
		1	0	22.27	22.26	22.26	24
		1	50	22.75	22.66	22.71	24
		1	99	22.35	22.35	22.41	24
		50	0	22.53	22.59	22.50	24
	16QAM	50	25	22.66	22.57	22.62	24
		50	50	22.67	22.64	22.64	24
		100	0	22.61	22.59	22.61	24
		1	0	22.38	22.26	22.25	24
		1	50	22.55	22.45	22.61	24
20M	16QAM	1	99	22.20	22.07	22.20	24
		50	0	21.89	22.01	21.97	23.5
		50	25	21.99	21.93	22.01	23.5
		50	50	22.05	21.92	22.02	23.5
		100	0	22.07	22.04	21.98	23.5
	64QAM	1	0	21.98	21.86	21.87	23.5
		1	50	22.12	21.98	22.11	23.5
		1	99	21.66	21.58	21.65	23.5
		50	0	21.16	20.99	21.14	22.5
		50	25	21.15	21.01	21.11	22.5
15M	16QAM	50	50	21.09	21.08	21.01	22.5
		100	0	21.04	20.92	21.06	22.5
		1	0	22.31	22.14	22.23	24
		1	37	22.47	22.31	22.56	24
		1	74	22.12	21.96	22.06	24
20M	QPSK	36	0	22.39	22.30	22.36	24
		36	19	22.62	22.42	22.59	24
		36	39	22.63	22.58	22.55	24
		75	0	22.63	22.52	22.53	24
		1	0	22.31	22.14	22.23	24
	16QAM	1	37	22.47	22.31	22.56	24
		1	74	22.12	21.96	22.06	24
		36	0	21.85	21.97	21.82	23.5
		36	19	21.91	21.91	21.90	23.5
		36	39	21.93	21.83	21.88	23.5
64QAM	75	0	21.92	22.02	21.83	23.5	
	1	0	21.90	21.80	21.76	23.5	
	1	37	21.98	21.93	22.01	23.5	
	1	74	21.62	21.53	21.64	23.5	
	36	0	21.10	20.87	21.11	22.5	
20M	QPSK	36	19	21.14	20.88	20.99	22.5
		36	39	21.05	21.05	20.97	22.5
		75	0	21.00	20.77	20.98	22.5
		1	0	22.30	22.25	22.23	24
		1	24	22.70	22.60	22.55	24
	16QAM	1	49	22.32	22.22	22.35	24
		25	0	22.42	22.48	22.40	24
		25	12	22.58	22.43	22.47	24
		25	25	22.64	22.50	22.62	24
		50	0	22.50	22.37	22.51	24
20M	16QAM	1	0	22.37	22.19	22.13	24
		1	24	22.52	22.31	22.56	24
		1	49	22.18	21.96	22.06	24
		25	0	21.93	21.94	21.93	23.5
		25	12	21.88	21.86	22.00	23.5
	64QAM	50	0	21.84	22.00	21.89	23.5
		1	0	21.96	21.80	21.85	23.5
		1	24	22.04	21.88	22.06	23.5
		1	49	21.52	21.51	21.60	23.5
		25	0	21.13	20.91	21.08	22.5
20M	QPSK	25	12	20.95	21.01	20.98	22.5
		25	25	20.99	21.00	20.96	22.5
		50	0	20.97	20.81	20.92	22.5
		1	0	22.30	22.25	22.23	24
		1	12	22.67	22.62	22.61	24
	16QAM	1	24	22.21	22.34	22.32	24
		12	0	22.47	22.46	22.38	24
		12	6	22.62	22.52	22.60	24
		12	13	22.64	22.58	22.60	24
		25	0	22.53	22.54	22.51	24
20M	16QAM	1	0	22.34	22.14	22.24	24
		1	12	22.54	22.42	22.55	24
		24	0	22.07	22.02	22.13	24
		12	0	21.84	21.89	21.82	23.5
		12	6	21.88	21.87	21.87	23.5
	64QAM	12	13	22.03	21.84	21.97	23.5
		25	0	21.84	21.96	21.90	23.5
		1	0	21.86	21.82	21.82	23.5
		1	12	22.00	21.96	22.05	23.5
		1	24	21.58	21.51	21.60	23.5
20M	QPSK	12	0	21.02	20.84	21.04	22.5
		14	6	21.04	20.88	21.04	22.5
		12	13	21.05	20.88	20.96	22.5
		25	0	21.03	20.81	21.00	22.5
		1	0	22.29	22.27	22.30	24
	16QAM	1	7	22.74	22.54	22.69	24
		1	14	22.29	22.31	22.27	24
		8	0	22.47	22.55	22.42	24
		8	3	22.53	22.54	22.60	24
		8	7	22.56	22.53	22.54	24
20M	QPSK	15	0	22.53	22.56	22.60	24
		1	0	22.32	22.14	22.19	24
		1	7	22.49	22.33	22.46	24
		1	14	22.12	21.96	22.01	24
		8	0	21.84	21.96	21.89	23.5
	64QAM	8	3	21.89	21.90	21.88	23.5
		8	7	21.96	21.80	21.99	23.5
		15	0	22.03	21.90	21.88	23.5
		1	0	21.93	21.76	21.82	23.5
		1	7	22.11	21.96	22.05	23.5
20M	QPSK	1	14	21.56	21.52	21.61	23.5
		8	0	21.14	20.90	21.01	22.5
		8	3	21.09	20.89	20.97	22.5
		8	7	20.98	21.07	20.98	22.5
		15	0	20.92	20.87	20.92	22.5
	64QAM	1	0	22.29	22.27	22.30	24
		1	7	22.74	22.54	22.69	24
		1	14	22.29	22.31	22.27	24
		8	0	22.47	22.55	22.36	24
		3	1	22.58	22.55	22.58	24
20M	QPSK	3	3	22.61	22.51	22.57	24
		6	0	22.53	22.46	22.46	24
		1	0	22.31	22.18	22.10	24
		1	2	22.42	22.42	22.47	24
		5	5	22.06	22.02	22.06	24
	16QAM	1	2	22.24	22.20	22.24	24
		3	1	22.21	22.09	22.26	24
		3	3	22.25	22.09	22.24	24
		6	0	22.05	21.88	21.92	23.5
		1	0	21.91	21.73	21.81	23.5
64QAM	1	2	22.02	21.89	22.04	23.5	
	1	5	21.63	21.52	21.55	23.5	
	3	0	21.86	21.67	21.95	23.5	
	3	1	21.99	21.75	21.85	23.5	
	1	7	21.77	21.71	21.78	23.5	
20M	QPSK	6	0	20.99	20.89	20.98	22.5
		1	0	22.29	22.27	22.30	24
		1	7	22.74	22.54	22.69	24
		1	14	22.29	22.31	22.27	24
		8	0	22.47	22.55	22.36	24
	16QAM	3	1	22.58	22.55	22.58	24
		3	3	22.61	22.51	22.57	24
		6	0	22.53	22.46	22.46	24
		1	0	22.31	22.18	22.10	24
		1	2	22.42	22.42	22.47	24
64QAM	5	5	22.06	22.02	22.06	24	
	1	2	22.24	22.20	22.24	24	
	3	1	22.21	22.09	22.26	24	
	3	3	22.25	22.09	22.24	24	
	6	0	22.05	21.88	21.92	23.5	
20M	QPSK	1	0	21.91	21.73	21.81	23.5
		1	2	22.02	21.89	22.04	23.5
		1	5	21.63	21.52	21.55	23.5
		3	0	21.86	21.67	21.95	23.5
		3	1	21.99	21.75	21.85	23.5
	16QAM	1	7	21.77	21.71	21.78	23.5
		6	0	20.99	20.89	20.98	22.5
		1	0	22.29	22.27	22.30	24
		1	7	22.74	22.54	22.69	24
		1	14	22.29	22.31	22.27	24
20M	QPSK	8	0	22.47	22.55	22.36	24
		3	1	22.58	22.55	22.58	24
		3	3	22.61	22.51	22.57	24
		6	0	22.53	22.46	22.46	24
		1	0	22.31	22.18	22.10	24
	16QAM	1	2	22.42	22.42	22.47	24
		5	5	22.06	22.02	22.06	24
		1	2	22.24	22.20	22.24	24
		3	1	22.21	22.09	22.26	24
		3	3	22.25	22.09	22.24	24
64QAM	6	0	22.05	21.88	21.92	23.5	
	1	0	21.91	21.73	21.81	23.5	
	1	2	22.02	21.89	22.04	23.5	
	1	5	21.63	21.52	21.55	23.5	
	3	0	21.86	21.67	21.95	23.5	
20M	QPSK	3	1	21.99	21.75	21.85	23.5
		1	7	21.77	21.71	21.78	23.5
		6	0	20.99	20.89	20.98	22.5
		1	0	22.29	22.27	22.30	24
		1	7	22.74	22.54	22.69	24
	16QAM	1	14	22.29	22.31	22.27	24
		8	0	22.47	22.55	22.36	24
		3	1	22.58	22.55	22.58	24
		3	3	22.61	22.51	22.57	24
		6	0	22.53	22.46	22.46	24
64QAM	1	0	22.31	22.18	22.10	24	
	1	2	22.42	22.42	22.47	24	
	5	5	22.06	22.02	22.06	24	
	1	2	22.24	22.20	22.24	24	
	3	1	22.21	22.09	22.26	24	
20M	QPSK	3	3	22.25	22.09	22.24	24
		6	0	22.05	21.88	21.92	23.5
		1	0	21.91	21.73	21.81	23.5
		1	2	22.02	21.89	22.04	23.5
		1	5	21.63	21.52	21.55	23.5
	16QAM	3	0	21.86	21.67	21.95	23.5
		3	1	21.99	21.75	21.85	23.5
		1	7	21.77	21.71	21.78	23.5
		6	0	20.99	20.89	20.98	22.5
		1	0	22.29	22.27	22.30	24
64QAM	1	7	22.74	22.54	22.69	24	
	1	14	22.29	22.31	22.27	24	
	8	0	22.47	22.55	22.36	24	
	3	1	22.58	22.55	22.58	24	
	3	3	22.61	22.51	22.57	24	
20M	QPSK	6	0	22.53	22.46	22.46	24
		1	0	22.31	22.18	22.10	24
		1	2	22.42	22.42	22.47	24
		5	5	22.06	22.02	22.06	24
		1	2	22.24	22.20	22.24	24
	16QAM	3	1	22.21	22.09	22.26	24
		3	3	22.25	22.09	22.24	24
		6	0	22.05	21.88	21.92	23.5
		1	0	21.91	21.73	21.81	23.5
		1	2	22.02	21.89	22.04	23.5
64QAM	1	5	21.63	21.52	21.55	23.5	
	3	0	21.86	21.67	21.95	23.5	
	3	1	21.99	21.75	21.85	23.5	
	1	7	21.77	21.71	21.78	23.5	
	6	0	20.99	20.89	20.98	22.5	

LTE Band 7						
BW	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		25950	21100	21350
		Frequency (MHz)		2510	2635	2660
20M	QPSK	1	0	16.56	16.48	16.65
		1	50	16.88	16.87	17.01
		1	99	16.42	16.39	16.51
		50	0	16.28	16.15	16.33
		50	25	16.85	16.81	16.86
		50	50	16.53	16.60	16.63
		100	0	16.33	16.37	16.52
		1	0	16.40	16.34	16.35
		1	50	16.75	16.67	16.82
		1	99	16.32	16.23	16.47
	16QAM	50	0	16.37	16.39	16.39
		50	25	16.55	16.55	16.56
		50	50	16.66	16.45	16.83
		100	0	16.46	16.44	16.58
		1	0	16.50	16.53	16.70
		1	50	16.40	16.42	16.44
		1	99	16.11	16.20	16.17
		50	0	16.36	16.36	16.52
		50	25	16.47	16.34	16.50
		50	50	16.61	16.58	16.64
		100	0	16.61	16.49	16.46
	64QAM	Channel		20625	21100	21375
		Frequency (MHz)		2567.5	2535	2562.5
		1	0	16.50	16.39	16.64
		1	37	16.83	16.73	16.91
		1	74	16.30	16.35	16.43
		36	0	16.16	16.12	16.24
		36	19	16.45	16.32	16.56
		36	39	16.41	16.55	16.66
		75	0	16.27	16.32	16.40
		1	0	16.34	16.28	16.20
15M	QPSK	1	37	16.72	16.58	16.74
		1	74	16.21	16.10	16.36
		36	0	16.23	16.31	16.24
		36	19	16.49	16.48	16.43
		36	39	16.61	16.41	16.81
		75	0	16.42	16.30	16.48
		1	0	16.42	16.51	16.59
		1	37	16.27	16.33	16.40
		1	74	16.08	16.16	16.02
		36	0	16.27	16.25	16.48
	16QAM	36	19	16.48	16.34	16.49
		36	39	16.51	16.50	16.54
		75	0	16.56	16.40	16.37
		Channel		20800	21100	21400
		Frequency (MHz)		2595	2535	2565
		1	0	16.55	16.33	16.64
		1	24	16.75	16.63	16.95
		1	49	16.33	16.33	16.49
		25	0	16.21	16.10	16.31
		25	12	16.37	16.31	16.80
		25	25	16.41	16.54	16.59
		50	0	16.19	16.30	16.39
	64QAM	1	0	16.39	16.21	16.24
		1	24	16.65	16.65	16.77
		1	49	16.28	16.09	16.41
		25	0	16.33	16.29	16.38
		25	12	16.42	16.46	16.49
		25	25	16.52	16.30	16.77
		50	0	16.32	16.30	16.55
		1	0	16.49	16.45	16.58
		1	24	16.38	16.37	16.31
		1	49	16.05	16.13	16.02
5M	QPSK	25	0	16.23	16.34	16.39
		25	12	16.48	16.40	16.47
		25	25	16.57	16.50	16.57
		50	0	16.46	16.38	16.32
		Channel		20775	21100	21425
		Frequency (MHz)		2592.5	2538	2567.5
		1	0	16.47	16.45	16.54
		1	12	16.76	16.62	16.90
		1	24	16.30	16.37	16.41
		12	0	16.14	16.12	16.32
	16QAM	12	6	16.46	16.29	16.54
		12	13	16.48	16.59	16.54
		25	0	16.24	16.22	16.48
		1	0	16.36	16.31	16.32
		1	12	16.63	16.66	16.77
		1	24	16.23	16.16	16.37
		12	0	16.30	16.33	16.27
		12	6	16.50	16.44	16.50
		12	13	16.61	16.43	16.70
		25	0	16.31	16.31	16.45
	64QAM	1	0	16.40	16.48	16.59
		1	12	16.29	16.41	16.39
		1	24	16.08	16.10	16.15
		12	0	16.22	16.33	16.39
		12	6	16.45	16.42	16.46
		12	13	16.58	16.52	16.58
		25	0	16.56	16.47	16.33

LTE Band 13						
BW	Modulation	RB Size	RB Offset	Mid		Max. Tune-up (dBm)
		Channel		23230		
		Frequency (MHz)		782		
10M	QPSK	1	0	23.96		25.5
		1	24	24.33		25.5
		1	49	23.81		25.5
		25	0	23.19		24.5
		25	12	23.06		24.5
		25	25	23.05		24.5
		50	0	23.15		24.5
		1	0	22.94		24.5
		1	24	23.20		24.5
		1	49	23.14		24.5
	16QAM	25	0	22.18		23.5
		25	12	22.17		23.5
		25	25	22.13		23.5
		50	0	22.24		23.5
		1	0	22.32		23.5
		1	24	22.56		23.5
		1	49	22.35		23.5
		25	0	21.29		22.5
		25	12	21.15		22.5
		25	25	21.09		22.5
		50	0	21.23		22.5
	64QAM	Channel		23205	23230	23265
		Frequency (MHz)		779.5	782	784.5
		1	0	23.87	23.90	23.81
		1	12	24.22	24.17	24.13
		1	24	23.80	23.70	23.69
		12	0	23.07	23.06	23.15
		12	6	23.05	22.96	22.91
		12	13	23.02	23.03	22.93
		25	0	23.06	23.02	23.10
		1	0	22.91	22.91	22.91
5M	QPSK	1	12	23.15	23.05	23.17
		1	24	23.13	23.07	23.11
		12	0	22.05	22.14	22.09
		12	6	22.16	22.11	22.07
		12	13	22.02	22.07	22.09
		25	0	22.17	22.18	22.23
		1	0	22.20	22.27	22.19
		1	12	22.41	22.55	22.52
		1	24	22.33	22.26	22.24
		12	0	21.19	21.24	21.16
	16QAM	12	6	21.05	21.11	21.01
		12	13	20.95	21.06	21.01
		25	0	21.19	21.08	21.22
		Channel		23205	23230	23265
		Frequency (MHz)		779.5	782	784.5
		1	0	23.87	23.90	23.81
		1	12	24.22	24.17	24.13
		1	24	23.80	23.70	23.69
		12	0	23.07	23.06	23.15
		12	6	23.05	22.96	22.91
		12	13	23.02	23.03	22.93
	64QAM	25	0	23.06	23.02	23.10
		1	0	22.91	22.91	22.91
		1	12	23.15	23.05	23.17
		1	24	23.13	23.07	23.11
		12	0	22.05	22.14	22.09
		12	6	22.16	22.11	22.07
		12	13	22.02	22.07	22.09
		25	0	22.17	22.18	22.23
		1	0	22.20	22.27	22.19
		1	12	22.41	22.55	22.52

LTE Band 26								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)	
		Channel		26765	26865	26965		
		Frequency (MHz)		821.5	831.5	841.5		
15M	QPSK	1	0	24.06	24.00	23.99	25.5	
		1	37	24.19	24.14	24.02	25.5	
		1	74	24.01	23.96	23.75	25.5	
		36	0	23.01	22.96	22.98	24.5	
		36	19	23.14	23.08	22.96	24.5	
		36	39	23.12	22.99	22.94	24.5	
	16QAM	75	0	22.92	23.07	23.00	24.5	
		1	0	23.08	23.04	22.92	24.5	
		1	37	23.21	23.10	23.05	24.5	
		1	74	23.08	23.06	23.01	24.5	
		36	0	22.02	22.03	21.86	23.5	
		36	19	22.08	22.17	22.00	23.5	
	64QAM	36	39	22.18	22.01	21.86	23.5	
		75	0	22.15	22.03	21.89	23.5	
		1	0	22.34	22.40	22.21	23.5	
		1	37	22.80	22.53	22.52	23.5	
		1	74	22.39	22.43	22.33	23.5	
		36	0	20.99	20.98	20.98	22.5	
	BW Modulation	Channel		26740	26865	26990	Max. Time-up (dBm)	
		Frequency (MHz)		819	831.5	844		
	10M	QPSK	1	0	23.98	23.99	23.91	25.5
			1	24	24.05	24.00	23.96	25.5
			1	49	23.89	23.82	23.61	25.5
			25	0	23.00	22.95	22.88	24.5
25			12	23.05	22.93	22.85	24.5	
25			25	23.10	22.95	22.86	24.5	
16QAM		50	0	22.97	23.06	22.97	24.5	
		1	0	23.01	23.01	22.78	24.5	
		1	24	23.08	23.08	22.96	24.5	
		1	49	22.97	23.02	23.00	24.5	
		25	0	21.98	21.97	21.75	23.5	
		25	12	21.95	22.15	21.88	23.5	
64QAM		25	25	22.04	21.87	21.74	23.5	
		50	0	22.09	21.95	21.82	23.5	
		1	0	22.27	22.36	22.20	23.5	
		1	24	22.53	22.44	22.46	23.5	
		1	49	22.28	22.32	22.31	23.5	
		25	0	20.98	20.91	20.93	22.5	
BW Modulation		Channel		26716	26865	27015	Max. Time-up (dBm)	
		Frequency (MHz)		816.5	831.5	846.5		
5M		QPSK	1	0	24.02	23.90	23.87	25.5
			1	12	24.04	24.11	23.89	25.5
			1	24	23.89	23.82	23.61	25.5
			12	0	22.95	22.93	22.84	24.5
	12		6	23.02	23.02	22.95	24.5	
	12		13	23.08	22.98	22.91	24.5	
	16QAM	25	0	22.78	22.93	22.91	24.5	
		1	0	23.06	23.02	22.79	24.5	
		1	12	23.17	23.08	22.97	24.5	
		1	24	22.99	22.92	22.92	24.5	
		12	6	21.97	21.97	21.84	23.5	
		12	6	21.97	22.08	21.95	23.5	
	64QAM	12	13	22.09	21.91	21.81	23.5	
		25	0	22.10	22.02	21.88	23.5	
		1	0	22.24	22.31	22.18	23.5	
		1	12	22.54	22.39	22.46	23.5	
		1	24	22.34	22.37	22.22	23.5	
		12	0	20.86	20.95	20.83	22.5	
	BW Modulation	Channel		26795	26865	27025	Max. Time-up (dBm)	
		Frequency (MHz)		815.5	831.5	847.5		
	3M	QPSK	1	0	23.96	23.85	23.86	25.5
			1	7	24.10	24.13	23.92	25.5
			1	14	23.86	23.86	23.73	25.5
			8	0	22.91	22.92	22.89	24.5
8			3	23.03	22.94	22.85	24.5	
8			7	23.05	22.96	22.82	24.5	
16QAM		15	0	22.82	22.92	22.85	24.5	
		1	0	23.00	22.94	22.89	24.5	
		1	7	23.17	22.99	22.94	24.5	
		1	14	22.87	22.91	22.90	24.5	
		8	0	22.01	21.92	21.80	23.5	
		8	3	21.98	22.07	21.87	23.5	
64QAM		8	7	22.06	21.88	21.76	23.5	
		15	0	22.09	22.00	21.85	23.5	
		1	0	22.20	22.32	22.15	23.5	
		1	7	22.50	22.47	22.37	23.5	
		1	14	22.29	22.40	22.30	23.5	
		8	0	20.93	20.90	20.95	22.5	
BW Modulation		Channel		26877	26865	27033	Max. Time-up (dBm)	
		Frequency (MHz)		849.7	831.5	848.3		
1.4M		QPSK	1	0	23.94	23.89	23.93	25.5
			1	5	23.96	23.90	23.74	25.5
			3	0	23.77	23.65	23.72	25.5
			3	1	23.82	23.83	23.70	25.5
	3		3	23.86	23.65	23.64	25.5	
	6		0	22.78	23.04	22.87	24.5	
	16QAM	1	0	22.93	23.09	22.77	24.5	
		1	2	23.14	22.99	22.84	24.5	
		1	5	23.30	22.96	22.96	24.5	
		3	0	22.72	22.89	22.60	24.5	
		3	1	22.82	22.90	22.71	24.5	
		3	3	22.93	22.76	22.57	24.5	
	64QAM	6	0	22.11	21.93	21.86	23.5	
		1	0	22.28	22.32	22.07	23.5	
		1	2	22.52	22.45	22.48	23.5	
		1	5	22.52	22.39	22.24	23.5	
		3	0	21.73	21.63	21.67	23.5	
		3	1	21.93	21.79	21.93	23.5	
	BW Modulation	Channel		26911	26984	27159	Max. Time-up (dBm)	
		Frequency (MHz)		849.7	831.5	848.3		

LTE Band 38									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)		
		Channel	37820	38000	38150				
20M	QPSK	Frequency (MHz)	2585	2585	2595				
		1	0	19.96	19.97	19.98	21		
		1	50	20.38	20.15	20.02	21		
		1	99	19.79	19.72	19.62	21		
		50	0	20.05	20.02	19.92	21		
		50	25	20.17	20.05	19.97	21		
		50	50	20.01	19.93	19.77	21		
		100	0	20.37	20.09	19.99	21		
		1	0	19.75	19.80	19.74	21		
		1	50	20.13	19.98	19.96	21		
20M	16QAM	Frequency (MHz)	2585	2585	2595				
		1	99	19.86	19.84	19.83	21		
		1	50	20.15	20.04	19.93	21		
		50	25	19.97	19.88	19.84	21		
		50	50	19.88	19.90	19.80	21		
		100	0	20.07	20.01	19.96	21		
		1	0	19.78	19.75	19.69	21		
		1	50	20.04	19.90	19.86	21		
		1	99	19.64	19.71	19.67	21		
		50	0	20.09	20.08	19.91	21		
20M	64QAM	Frequency (MHz)	2585	2585	2595				
		50	25	20.01	19.96	19.90	21		
		50	50	20.07	19.92	19.93	21		
		100	0	20.03	20.02	19.88	21		
20M	QPSK	Channel	37825	38000	38175				
		Frequency (MHz)	2587.5	2585	2592.5				
		1	0	19.96	19.96	19.96	21		
		1	37	20.23	20.07	19.95	21		
		1	74	19.64	19.68	19.55	21		
		36	0	20.00	19.94	19.91	21		
		36	19	19.85	19.83	19.75	21		
		36	39	19.84	19.84	19.71	21		
		75	0	19.93	19.98	19.90	21		
		1	0	19.66	19.76	19.63	21		
10M	16QAM	Channel	37825	38000	38175				
		Frequency (MHz)	2587.5	2585	2592.5				
		1	37	20.01	19.91	19.91	21		
		1	74	19.50	19.50	19.50	21		
		36	0	20.10	19.92	19.90	21		
		36	19	19.94	19.76	19.80	21		
		36	39	19.74	19.75	19.79	21		
		75	0	19.93	19.95	19.81	21		
		1	0	19.75	19.75	19.62	21		
		1	37	19.92	19.75	19.82	21		
10M	64QAM	Channel	37825	38000	38175				
		Frequency (MHz)	2587.5	2585	2592.5				
		1	74	19.58	19.65	19.53	21		
		36	0	20.08	20.02	19.88	21		
		36	19	19.89	19.91	19.83	21		
		36	39	20.01	19.85	19.82	21		
		75	0	19.93	19.95	19.80	21		
20M	QPSK	Channel	37830	38000	38200				
		Frequency (MHz)	2575	2585	2595				
		1	0	19.80	19.90	19.87	21		
		1	24	20.15	20.13	19.99	21		
		1	49	19.72	19.64	19.55	21		
		25	0	19.97	20.03	19.88	21		
		25	12	19.91	19.83	19.69	21		
		25	25	19.97	19.85	19.65	21		
		50	0	20.03	20.02	19.78	21		
		1	0	19.64	19.71	19.63	21		
10M	16QAM	Channel	37830	38000	38200				
		Frequency (MHz)	2575	2585	2595				
		1	24	20.06	19.84	19.89	21		
		1	49	19.61	19.53	19.52	21		
		25	0	20.13	19.92	19.91	21		
		25	12	19.92	19.78	19.74	21		
		25	25	19.87	19.78	19.71	21		
		50	0	19.97	19.99	19.87	21		
		1	0	19.70	19.74	19.65	21		
		1	24	20.02	19.75	19.79	21		
10M	64QAM	Channel	37830	38000	38200				
		Frequency (MHz)	2575	2585	2595				
		1	49	19.50	19.57	19.55	21		
		25	0	20.04	20.06	19.84	21		
		25	12	19.99	19.84	19.86	21		
		25	25	19.96	19.82	19.69	21		
		50	0	19.88	20.00	19.74	21		
20M	QPSK	Channel	37775	38000	38225				
		Frequency (MHz)	2572.5	2585	2597.5				
		1	0	19.81	19.91	19.69	21		
		1	12	20.27	20.01	19.83	21		
		1	24	19.75	19.70	19.57	21		
		12	0	19.98	19.97	19.83	21		
		12	6	19.86	19.85	19.64	21		
		12	13	19.96	19.81	19.75	21		
		25	0	19.99	19.97	19.82	21		
		1	0	19.71	19.72	19.65	21		
10M	16QAM	Channel	37775	38000	38225				
		Frequency (MHz)	2572.5	2585	2597.5				
		1	12	20.02	19.97	19.89	21		
		1	24	19.58	19.62	19.59	21		
		12	0	20.04	20.02	19.87	21		
		12	6	19.87	19.81	19.69	21		
		12	13	19.83	19.77	19.77	21		
		25	0	20.06	19.90	19.82	21		
		1	0	19.76	19.68	19.64	21		
		1	12	19.98	19.84	19.75	21		
10M	64QAM	Channel	37775	38000	38225				
		Frequency (MHz)	2572.5	2585	2597.5				
		1	24	19.60	19.67	19.63	21		
		12	0	20.02	20.04	19.86	21		
		12	6	19.90	19.93	19.83	21		
		12	13	19.97	19.94	19.86	21		

LTE Band 41 (2496 ~ 2690MHz)												
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Max. Tune-up (dBm)			
		Channel	38750	40185	40620	41055	41490					
20M	QPSK	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		1	0	19.97	19.36	19.41	19.18	19.35	20.5			
		1	50	19.73	19.67	19.64	19.45	19.48	20.5			
		1	99	19.48	19.31	19.25	19.07	19.03	20.5			
		50	0	19.69	19.68	19.51	19.22	19.29	20.5			
		50	25	19.46	19.43	19.42	19.19	19.27	20.5			
		50	50	19.51	19.48	19.40	19.15	19.16	20.5			
		100	0	19.54	19.50	19.43	19.29	19.30	20.5			
		1	0	19.03	18.94	18.97	18.77	18.74	20.5			
		1	50	19.43	19.33	19.23	18.97	19.19	20.5			
20M	16QAM	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		1	99	19.02	19.05	18.91	18.75	18.67	20.5			
		50	0	19.33	19.46	19.25	19.25	19.07	20.5			
		50	25	19.39	19.42	19.44	19.23	19.12	20.5			
		50	50	19.62	19.48	19.40	19.37	19.26	20.5			
		100	0	19.66	19.60	19.48	19.21	19.33	20.5			
		50	50	19.60	19.57	19.64	19.34	19.36	20.5			
		1	50	19.32	19.31	19.20	19.06	18.99	20.5			
		1	99	18.96	18.96	18.99	18.73	18.75	20.5			
		50	0	19.53	19.49	19.42	19.31	19.32	20.5			
20M	64QAM	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		50	25	19.52	19.59	19.48	19.33	19.30	20.5			
		50	50	19.60	19.57	19.64	19.34	19.36	20.5			
		100	0	19.58	19.47	19.42	19.26	19.17	20.5			
20M	QPSK	Channel	38725	40173	40620	41055	41490					
		Frequency (MHz)	2580.5	2545.5	2580	2580.5	2580.5					
		1	0	19.53	19.26	19.31	19.07	19.01	20.5			
		1	37	19.63	19.61	19.51	19.39	19.32	20.5			
		1	74	19.44	19.24	19.21	19.04	19.93	20.5			
		36	0	19.23	19.37	19.27	19.04	19.09	20.5			
		36	19	19.37	19.28	19.31	19.08	19.21	20.5			
		36	39	19.56	19.48	19.43	19.21	19.13	20.5			
		75	0	19.43	19.48	19.30	19.14	19.21	20.5			
		1	0	19.00	18.81	18.86	18.66	18.73	20.5			
20M	16QAM	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		1	37	19.35	19.19	19.09	18.83	19.06	20.5			
		1	74	18.97	18.81	18.79	18.78	18.79	20.5			
		36	0	19.26	19.40	19.09	19.14	18.95	20.5			
		36	19	19.28	19.31	19.40	19.18	18.97	20.5			
		36	39	19.51	19.47	19.25	19.29	19.24	20.5			
		75	0	19.56	19.42	19.42	19.14	19.21	20.5			
		1	0	18.91	18.78	18.94	18.69	18.72	20.5			
		1	37	19.17	19.16	19.18	18.96	18.90	20.5			
		1	74	18.83	18.92	18.86	18.83	18.72	20.5			
20M	64QAM	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		36	0	19.45	19.38	19.33	19.26	19.26	20.5			
		36	36	19.19	19.45	19.35	19.26	19.25	20.5			
		36	39	19.56	19.49	19.50	19.22	19.34	20.5			
		75	0	19.54	19.42	19.34	19.13	19.15	20.5			
		20M	QPSK	Channel	38700	40160	40620	41050	41490			
				Frequency (MHz)	2581	2547	2580.5	2581	2581			
				1	0	19.26	19.24	19.14	19.25	19.25	20.5	
				1	24	19.69	19.53	19.55	19.39	19.46	20.5	
				1	49	19.44	19.23	19.24	18.99	18.94	20.5	
25	0			19.26	19.37	19.36	19.07	19.02	20.5			
25	12			19.45	19.38	19.31	19.11	19.13	20.5			
25	25			19.57	19.49	19.48	19.15	19.18	20.5			
50	0			19.44	19.40	19.33	19.25	19.15	20.5			
1	0			18.96	18.85	18.87	18.67	18.61	20.5			
20M	16QAM	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		1	24	19.42	19.27	19.14	18.87	19.09	20.5			
		1	49	18.97	18.84	18.84	18.75	18.84	20.5			
		25	0	19.31	19.35	19.08	19.12	18.93	20.5			
		25	12	19.32	19.37	19.43	19.14	19.08	20.5			
		25	25	19.60	19.46	19.35	19.35	19.19	20.5			
		50	0	19.64	19.48	19.45	19.13	19.21	20.5			
		1	0	18.81	18.81	18.85	18.65	18.73	20.5			
		1	24	19.29	19.21	19.11	18.99	18.89	20.5			
		1	49	18.84	18.87	18.98	18.65	18.67	20.5			
20M	64QAM	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		25	0	19.43	19.34	19.41	19.17	19.27	20.5			
		25	12	19.47	19.33	19.33	19.31	19.27	20.5			
		25	25	19.53	19.56	19.50	19.21	19.34	20.5			
		50	0	19.54	19.38	19.27	19.12	19.08	20.5			
		20M	QPSK	Channel	38675	40140	40620	41050	41465			
				Frequency (MHz)	2580.5	2545.5	2580	2580.5	2580.5			
				1	0	19.26	19.26	19.16	19.25	19.25	20.5	
				1	24	19.69	19.56	19.57	19.30	19.45	20.5	
				1	24	19.43	19.28	19.17	19.05	18.89	20.5	
12	0			19.28	19.49	19.26	19.06	19.10	20.5			
12	6			19.38	19.39	19.33	19.16	19.21	20.5			
12	13			19.42	19.45	19.40	19.08	19.18	20.5			
25	0			19.50	19.37	19.32	19.27	19.18	20.5			
1	0			18.94	18.86	18.92	18.71	18.59	20.5			
20M	16QAM	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		1	12	19.35	19.21	19.08	19.07	19.06	20.5			
		1	24	19.67	19.56	19.58	19.17	19.25	20.5			
		12	0	19.19	19.34	19.19	19.13	19.04	20.5			
		12	6	19.32	19.34	19.42	19.16	19.01	20.5			
		12	13	19.59	19.41	19.34	19.28	19.25	20.5			
		25	0	19.55	19.47	19.35	19.10	19.20	20.5			
		1	0	18.87	18.87	18.96	18.57	18.72	20.5			
		1	12	19.24	19.19	19.07	18.96	18.88	20.5			
		1	24	18.86	18.84	18.97	18.70	18.63	20.5			
20M	64QAM	Frequency (MHz)	2580	2545.5	2580	2580.5	2580					
		12	0	19.48	19.34	19.39	19.27	19.20	20.5			
		12	6	19.42	19.53	19.39	19.27	19.29	20.5			
		12	13	19.45	19.45	19.43	19.19	19.21	20.5			
		25	0	19.49	19.35	19.40	19.18	19.04	20.5			

WLAN Full Power & DSI2 Power

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11b 1Mbps	1	2412	17.07	16.50	17.0
		6	2437	17.20	16.50	17.0
		11	2462	17.27	16.50	17.0
	802.11g 6Mbps	1	2412	15.25	16.50	15.0
		6	2437	15.37	16.50	15.0
		11	2462	15.39	16.50	15.0
	802.11n-HT20 MCS0	1	2412	14.77	16.50	15.0
		6	2437	15.00	16.50	15.0
		11	2462	14.93	16.50	15.0

5GHz WLAN

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	36	5180	13.27	14.50	13.5
		40	5200	13.25	14.50	13.5
		44	5220	13.18	14.50	13.5
		48	5240	13.20	14.50	13.5
	802.11n-HT20 MCS0	36	5180	13.07	14.50	13.5
		40	5200	13.11	14.50	13.5
		44	5220	13.03	14.50	13.5
		48	5240	13.00	14.50	13.5
	802.11n-HT40 MCS0	38	5190	13.14	14.50	13.5
		46	5230	13.16	14.50	13.5
	802.11ac-VHT20 MCS0	36	5180	13.08	14.50	13.5
		40	5200	13.12	14.50	13.5
		44	5220	13.09	14.50	13.5
		48	5240	12.98	14.50	13.5
	802.11ac-VHT40 MCS0	38	5190	13.18	14.50	13.5
		46	5230	13.17	14.50	13.5
	802.11ac-VHT80 MCS0	42	5210	13.18	14.50	13.5

5GHz WLAN

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	52	5260	13.19	14.50	13.5
		56	5280	13.12	14.50	13.5
		60	5300	13.16	14.50	13.5
		64	5320	13.30	14.50	13.5
	802.11n-HT20 MCS0	52	5260	13.06	14.50	13.5
		56	5280	13.02	14.50	13.5
		60	5300	13.16	14.50	13.5
		64	5320	13.08	14.50	13.5
	802.11n-HT40 MCS0	54	5270	13.12	14.50	13.5
		62	5310	13.18	14.50	13.5
	802.11ac-VHT20 MCS0	52	5260	13.13	14.50	13.5
		56	5280	13.07	14.50	13.5
		60	5300	13.09	14.50	13.5
		64	5320	13.05	14.50	13.5
	802.11ac-VHT40 MCS0	54	5270	13.23	14.50	13.5
		62	5310	13.21	14.50	13.5
	802.11ac-VHT80 MCS0	58	5290	13.31	14.50	13.5

5GHz WLAN

5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	100	5500	12.35	13.50	12.5
		116	5580	12.13	13.50	12.5
		124	5620	12.11	13.50	12.5
		132	5660	12.10	13.50	12.5
		140	5700	12.15	13.50	12.5
	802.11n-HT20 MCS0	100	5500	12.24	13.50	12.5
		116	5580	12.12	13.50	12.5
		124	5620	12.15	13.50	12.5
		132	5660	12.08	13.50	12.5
		140	5700	11.94	13.50	12.5
	802.11n-HT40 MCS0	102	5510	12.06	13.50	12.5
		110	5550	12.14	13.50	12.5
		126	5630	12.09	13.50	12.5
		134	5670	12.02	13.50	12.5
		140	5700	12.11	13.50	12.5
	802.11ac-VHT20 MCS0	116	5580	12.15	13.50	12.5
		124	5620	12.07	13.50	12.5
		132	5660	12.02	13.50	12.5
		140	5700	11.89	13.50	12.5
		102	5510	12.05	13.50	12.5
	802.11ac-VHT40 MCS0	110	5550	12.24	13.50	12.5
		126	5630	12.08	13.50	12.5
		134	5670	12.05	13.50	12.5
		106	5530	12.82	13.50	13.0
	802.11ac-VHT80 MCS0	122	5610	12.64	13.50	13.0

5GHz WLAN

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	149	5745	12.98	14.50	13.5
		157	5785	13.00	14.50	13.5
		165	5825	13.09	14.50	13.5
	802.11n-HT20 MCS0	149	5745	12.84	14.50	13.5
		157	5785	12.90	14.50	13.5
		165	5825	13.31	14.50	14.0
	802.11n-HT40 MCS0	151	5755	13.39	14.50	14.0
		159	5795	13.37	14.50	14.0
		149	5745	13.37	14.50	14.0
	802.11ac-VHT20 MCS0	157	5785	13.34	14.50	14.0
		165	5825	13.31	14.50	14.0
		151	5755	13.39	14.50	14.0
	802.11ac-VHT40 MCS0	159	5795	13.35	14.50	14.0
		155	5775	13.26	14.50	14.0

BT 2.0		Average power (dBm)			
Mode	Channel	Frequency (MHz)	GFSK	DQPSK	8DPSK
BR / EDR	CH 00	2402	11.73	8.74	8.82
	CH 39	2441	11.63	8.55	8.57
	CH 78	2480	10.68	8.54	8.55
	Tune-up Limit(dBm)		12.5	10	10

BT 5.0		Average power (dBm)			
Mode	Channel	Frequency (MHz)	1Mbps	2Mbps	s2, s8
LE	CH 00	2402	1.85	2.11	1.87, 1.86
	CH 19	2440	2.65	2.69	2.66, 3.05
	CH 39	2480	1.55	1.99	1.57, 2.01
	Tune-up Limit(dBm)		4.5	4.5	4.5, 4.5

DSI1 Power

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11b 1Mbps	1	2412	16.11	17.50	16.0
		6	2437	16.25	17.50	16.0
		11	2462	16.21	17.50	16.0
	802.11g 6Mbps	1	2412	15.25	16.50	15.0
		6	2437	15.37	16.50	15.0
		11	2462	15.39	16.50	15.0
	802.11n-HT20 MCS0	1	2412	14.77	16.50	15.0
		6	2437	15.00	16.50	15.0
		11	2462	14.93	16.50	15.0

5GHz WLAN

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	36	5180	13.27	14.50	13.5
		40	5200	13.25	14.50	13.5
		44	5220	13.18	14.50	13.5
		48	5240	13.20	14.50	13.5
	802.11n-HT20 MCS0	36	5180	13.07	14.50	13.5
		40	5200	13.11	14.50	13.5
		44	5220	13.03	14.50	13.5
		48	5240	13.00	14.50	13.5
	802.11n-HT40 MCS0	38	5190	13.14	14.50	13.5
		46	5230	13.16	14.50	13.5
	802.11ac-VHT20 MCS0	36	5180	13.08	14.50	13.5
		40	5200	13.12	14.50	13.5
		44	5220	13.09	14.50	13.5
		48	5240	12.98	14.50	13.5
	802.11ac-VHT40 MCS0	38	5190	13.18	14.50	13.5
		46	5230	13.17	14.50	13.5
	802.11ac-VHT80 MCS0	42	5210	13.18	14.50	13.5

5GHz WLAN

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	52	5260	13.19	14.50	13.5
		56	5280	13.12	14.50	13.5
		60	5300	13.16	14.50	13.5
		64	5320	13.30	14.50	13.5
	802.11n-HT20 MCS0	52	5260	13.06	14.50	13.5
		56	5280	13.02	14.50	13.5
		60	5300	13.16	14.50	13.5
		64	5320	13.08	14.50	13.5
	802.11n-HT40 MCS0	54	5270	13.12	14.50	13.5
		62	5310	13.18	14.50	13.5
	802.11ac-VHT20 MCS0	52	5260	13.13	14.50	13.5
		56	5280	13.07	14.50	13.5
		60	5300	13.09	14.50	13.5
		64	5320	13.05	14.50	13.5
	802.11ac-VHT40 MCS0	54	5270	13.23	14.50	13.5
		62	5310	13.21	14.50	13.5
	802.11ac-VHT80 MCS0	58	5290	13.31	14.50	13.5

5GHz WLAN

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	100	5500	12.35	13.50	12.5
		116	5580	12.13	13.50	12.5
		124	5620	12.11	13.50	12.5
		132	5660	12.10	13.50	12.5
		140	5700	12.15	13.50	12.5
	802.11n-HT20 MCS0	100	5500	12.24	13.50	12.5
		116	5580	12.12	13.50	12.5
		124	5620	12.15	13.50	12.5
		132	5660	12.08	13.50	12.5
		140	5700	11.94	13.50	12.5
	802.11n-HT40 MCS0	102	5510	12.06	13.50	12.5
		110	5550	12.14	13.50	12.5
126		5630	12.09	13.50	12.5	
134		5670	12.02	13.50	12.5	
142		5710	11.97	13.50	12.5	
802.11ac-VHT20 MCS0	100	5500	12.11	13.50	12.5	
	116	5580	12.15	13.50	12.5	
	124	5620	12.07	13.50	12.5	
	132	5660	12.02	13.50	12.5	
	140	5700	11.89	13.50	12.5	
802.11ac-VHT40 MCS0	102	5510	12.05	13.50	12.5	
	110	5550	12.24	13.50	12.5	
	126	5630	12.08	13.50	12.5	
	134	5670	12.05	13.50	12.5	
	142	5710	11.97	13.50	12.5	
802.11ac-VHT80 MCS0	106	5530	12.82	13.50	13.0	
	122	5610	12.64	13.50	13.0	



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FCC SAR Test Report



Certificate #6613.01

Appendix E. Photographs of EUT and Setup