

LTE Band 38									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-udp (dBm)	
				Channel	3795	3800			
Frequency (MHz)									
OPBK	QPSK	1	0	24.49	24.43	24.40	0	25.5	
		1	50	24.65	24.54	24.47	0	25.5	
		1	99	24.43	24.31	24.45	0	25.5	
		50	0	23.44	23.30	23.34	1	24.5	
		50	25	23.54	23.49	23.46	1	24.5	
		50	50	23.49	23.40	23.33	1	24.5	
		100	0	23.57	23.51	23.47	1	24.5	
		1	0	23.41	23.56	23.45	1	24.5	
		1	50	23.61	23.54	23.41	1	24.5	
		1	99	23.37	23.53	23.36	1	24.5	
20M	16QAM	50	0	22.60	22.39	22.26	2	23.5	
		50	25	22.63	22.37	22.41	2	23.5	
		50	50	22.54	22.37	22.31	2	23.5	
		100	0	22.69	22.57	22.51	2	23.5	
		1	0	22.59	22.46	22.40	2	23.5	
		1	50	22.69	22.59	22.61	2	23.5	
		1	99	22.58	22.56	22.60	2	23.5	
		50	0	21.60	21.53	21.50	3	22.5	
		50	25	21.70	21.68	21.67	3	22.5	
		50	50	21.52	21.58	21.53	3	22.5	
100	0	21.45	21.47	21.47	3	22.5			
64QAM	16QAM	50	0	21.45	21.47	21.47	3	22.5	
		1	0	21.45	21.47	21.47	3	22.5	
		1	50	21.45	21.47	21.47	3	22.5	
		1	99	21.45	21.47	21.47	3	22.5	
		50	0	21.45	21.47	21.47	3	22.5	
		50	25	21.45	21.47	21.47	3	22.5	
		50	50	21.45	21.47	21.47	3	22.5	
		100	0	21.45	21.47	21.47	3	22.5	
		1	0	21.45	21.47	21.47	3	22.5	
		1	50	21.45	21.47	21.47	3	22.5	

LTE Band 41 (2496 - 2690MHz)									
BW	Modulation	RB Size	RB Offset	Low	Low Mid	High	3GPP MPR (dB)	Max. Time-udp (dBm)	
				Channel	3970	4015			
Frequency (MHz)									
OPBK	QPSK	1	0	24.36	24.36	24.36	0	25.5	
		1	50	24.57	24.46	24.47	0	25.5	
		1	99	24.32	24.31	24.18	0	25.5	
		50	0	23.41	23.35	23.34	1	24.5	
		50	25	23.42	23.38	23.41	1	24.5	
		50	50	23.38	23.30	23.31	1	24.5	
		100	0	23.54	23.48	23.48	1	24.5	
		1	0	23.30	23.21	23.37	1	24.5	
		1	50	23.46	23.46	23.31	1	24.5	
		1	99	23.25	23.26	23.38	1	24.5	
20M	16QAM	50	0	22.43	22.45	22.45	2	23.5	
		50	25	22.47	22.57	22.37	2	23.5	
		50	50	22.42	22.33	22.36	2	23.5	
		100	0	22.58	22.53	22.64	2	23.5	
		1	0	22.39	22.44	22.28	2	23.5	
		1	50	22.39	22.28	22.27	2	23.5	
		1	99	22.39	22.28	22.26	2	23.5	
		50	0	21.39	21.51	21.49	3	22.5	
		50	25	21.39	21.43	21.42	3	22.5	
		50	50	21.39	21.39	21.36	3	22.5	
100	0	21.39	21.26	21.47	3	22.5			
64QAM	16QAM	50	0	21.39	21.26	21.47	3	22.5	
		1	0	21.39	21.26	21.47	3	22.5	
		1	50	21.39	21.26	21.47	3	22.5	
		1	99	21.39	21.26	21.47	3	22.5	
		50	0	21.39	21.26	21.47	3	22.5	
		50	25	21.39	21.26	21.47	3	22.5	
		50	50	21.39	21.26	21.47	3	22.5	
		100	0	21.39	21.26	21.47	3	22.5	
		1	0	21.39	21.26	21.47	3	22.5	
		1	50	21.39	21.26	21.47	3	22.5	

LTE Band 66									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-udp (dBm)	
				Channel	13072	13022			
Frequency (MHz)									
OPBK	QPSK	1	0	24.12	24.18	24.17	0	25.5	
		1	50	24.00	24.13	24.07	0	25.5	
		1	99	24.09	23.99	24.12	0	25.5	
		50	0	23.16	23.19	23.14	1	24.5	
		50	25	23.23	23.26	23.18	1	24.5	
		50	50	23.23	23.13	23.26	1	24.5	
		100	0	22.38	23.19	22.86	1	24.5	
		1	0	22.88	23.23	22.94	1	24.5	
		1	50	23.16	23.22	23.02	1	24.5	
		1	99	23.25	23.08	23.26	1	24.5	
20M	16QAM	50	0	22.21	22.21	22.22	2	23.5	
		50	25	22.25	22.26	22.24	2	23.5	
		50	50	21.98	22.17	22.05	2	23.5	
		100	0	22.14	22.21	22.06	2	23.5	
		1	0	22.14	22.18	22.03	2	23.5	
		1	50	22.06	22.18	22.17	2	23.5	
		1	99	22.06	22.18	22.06	2	23.5	
		50	0	21.17	21.18	21.25	3	22.5	
		50	25	21.15	21.18	21.12	3	22.5	
		50	50	21.04	21.18	21.13	3	22.5	
100	0	21.04	21.18	21.15	3	22.5			
64QAM	16QAM	50	0	21.04	21.18	21.15	3	22.5	
		1	0	21.04	21.18	21.15	3	22.5	
		1	50	21.04	21.18	21.15	3	22.5	
		1	99	21.04	21.18	21.15	3	22.5	
		50	0	21.04	21.18	21.15	3	22.5	
		50	25	21.04	21.18	21.15	3	22.5	
		50	50	21.04	21.18	21.15	3	22.5	
		100	0	21.04	21.18	21.15	3	22.5	
		1	0	21.04	21.18	21.15	3	22.5	
		1	50	21.04	21.18	21.15	3	22.5	

LTE Band 38									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-udp (dBm)	
				Channel	3795	3800			
Frequency (MHz)									
OPBK	QPSK	1	0	24.49	24.43	24.40	0	25.5	
		1	50	24.65	24.54	24.47	0	25.5	
		1	99	24.43	24.31	24.45	0	25.5	
		50	0	23.44	23.30	23.34	1	24.5	
		50	25	23.54	23.49	23.46	1	24.5	
		50	50	23.49	23.40	23.33	1	24.5	
		100	0	23.57	23.51	23.47	1	24.5	
		1	0	23.41	23.56	23.45	1	24.5	
		1	50	23.61	23.54	23.41	1	24.5	
		1	99	23.37	23.53	23.36	1	24.5	
20M	16QAM	50	0	22.60	22.39	22.26	2	23.5	
		50	25	22.63	22.37	22.41	2	23.5	
		50	50	22.54	22.37	22.31	2	23.5	
		100	0	22.69	22.57	22.51	2	23.5	
		1	0	22.59	22.46	22.40	2	23.5	
		1	50	22.69	22.59	22.61	2	23.5	
		1	99	22.58	22.56	22.60	2	23.5	
		50	0	21.60	21.53	21.50	3	22.5	
		50	25	21.70	21.68	21.67	3	22.5	
		50	50	21.52	21.58	21.53	3	22.5	
100	0	21.45	21.47	21.47	3	22.5			
64QAM	16QAM	50	0	21.45	21.47	21.47	3	22.5	
		1	0	21.45	21.47	21.47	3	22.5	
		1	50	21.45	21.47	21.47	3	22.5	
		1	99	21.45	21.47	21.47	3	22.5	
		50	0	21.45	21.47	21.47	3	22.5	
		50	25	21.45	21.47	21.47	3	22.5	
		50	50	21.45	21.47	21.47	3	22.5	
		100	0	21.45	21.47	21.47	3	22.5	
		1	0	21.45	21.47	21.47	3	22.5	
		1	50	21.45	21.47	21.47	3	22.5	

LTE Band 41 (2496 - 2690MHz)									
BW	Modulation	RB Size	RB Offset	Low	Low Mid	High	3GPP MPR (dB)	Max. Time-udp (dBm)	
				Channel	3970	4015			
Frequency (MHz)									
OPBK	QPSK	1	0	24.36	24.36	24.36	0	25.5	
		1	50	24.57	24.46	24.47	0	25.5	
		1	99	24.32	24.31	24.18	0	25.5	
		50	0	23.41	23.35	23.34	1	24.5	
		50	25	23.42	23.38	23.41	1	24.5	
		50	50	23.38	23.30	23.31	1	24.5	
		100	0	23.54	23.48	23.48	1	24.5	
		1	0	23.30	23.21	23.37	1	24.5	
		1	50	23.46	23.46	23.31	1	24.5	
		1	99	23.25	23.26	23.38	1	24.5	
20M	16QAM	50	0	22.43	22.45	22.45	2	23.5	
		50	25	22.47	22.57	22.37	2	23.5	
		50	50	22.42	22.33	22.36	2	23.5	
		100	0	22.58	22.53	22.64	2	23.5	
		1	0	22.39					

WWAN Power DSI-3&DSI-4_Ant1(MAIN)

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	32.41	32.38	32.37	33.50	28.79	28.56	28.61	30.50	
GPRS 1Tx Slot	32.40	32.37	32.35	33.50	28.77	28.54	28.58	30.50	
GPRS 2Tx Slot	31.69	31.63	31.66	32.50	26.94	26.73	26.79	30.00	
GPRS 3Tx Slot	29.97	29.91	29.96	30.50	25.49	25.25	25.33	28.00	
GPRS 4Tx Slot	28.85	28.89	28.85	29.50	24.42	24.19	24.24	27.00	
EDGE 1Tx Slot	26.23	26.13	26.04	28.00	26.48	25.95	26.06	27.00	
EDGE 2Tx Slot	23.03	22.74	22.81	25.00	23.03	22.40	22.54	24.00	
EDGE 3Tx Slot	20.78	20.58	20.41	23.00	20.78	20.17	20.57	22.00	
EDGE 4Tx Slot	19.47	19.19	19.23	22.00	19.45	19.15	19.31	21.00	

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
	Channel	128	189		251	512	661	
GSM	23.41	23.38	23.37	24.50	19.79	19.56	19.61	21.50
GPRS 1Tx Slot	23.40	23.37	23.35	24.50	19.77	19.54	19.58	21.50
GPRS 2Tx Slot	25.69	25.63	25.66	26.50	20.94	20.73	20.79	24.00
GPRS 3Tx Slot	25.71	25.65	25.70	26.24	21.23	20.99	21.07	23.74
GPRS 4Tx Slot	25.85	25.89	25.85	26.50	21.42	21.19	21.24	24.00
EDGE 1Tx Slot	17.23	17.13	17.04	19.00	17.48	16.95	17.06	18.00
EDGE 2Tx Slot	17.03	16.74	16.81	19.00	17.03	16.40	16.54	18.00
EDGE 3Tx Slot	16.52	16.32	16.15	18.74	16.52	15.91	16.31	17.74
EDGE 4Tx Slot	16.47	16.19	16.23	19.00	16.45	16.15	16.31	18.00

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	Tx Channel	9262	9400		9538	Max. Tune-up Power (dBm)	1312		1413	1513	Max. Tune-up Power (dBm)	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	21.60	21.48	21.54	22.50	20.02	19.87	19.88	21.00	24.22	24.33	24.30	25.50
HSDPA Subtest-1	20.48	20.42	20.42	20.50	18.91	18.85	18.80	19.00	23.27	23.33	23.24	23.50
HSDPA Subtest-2	20.42	20.43	20.49	20.50	18.94	18.83	18.79	19.00	23.23	23.31	23.25	23.50
HSDPA Subtest-3	19.53	19.41	19.51	20.50	17.95	17.82	17.86	19.00	22.22	22.35	22.26	23.50
HSDPA Subtest-4	19.50	19.38	19.44	20.50	17.96	17.77	17.78	19.00	22.21	22.25	22.32	23.50
DC-HSDPA Subtest-1	20.44	20.43	20.47	20.50	18.92	18.84	18.80	19.00	23.30	23.25	23.31	23.50
DC-HSDPA Subtest-2	20.41	20.41	20.42	20.50	18.94	18.83	18.82	19.00	23.29	23.28	23.26	23.50
DC-HSDPA Subtest-3	19.50	19.39	19.52	20.50	17.96	17.79	17.81	19.00	22.26	22.24	22.31	23.50
DC-HSDPA Subtest-4	19.54	19.37	19.47	20.50	17.94	17.85	17.81	19.00	22.21	22.25	22.26	23.50
HSUPA Subtest-1	19.09	18.88	18.99	19.50	17.41	17.26	17.29	18.00	21.72	21.82	21.76	22.50
HSUPA Subtest-2	18.56	18.38	18.53	19.50	16.97	16.86	16.78	18.00	21.25	21.30	21.33	22.50
HSUPA Subtest-3	19.46	19.43	19.47	19.50	17.92	17.79	17.88	18.00	22.22	22.25	22.25	22.50
HSUPA Subtest-4	18.09	17.95	17.99	19.50	16.44	16.28	16.35	18.00	20.76	20.81	20.73	22.50
HSUPA Subtest-5	19.50	19.43	19.48	19.50	17.91	17.79	17.83	18.00	22.19	22.32	22.25	22.50
HSPA+ Subtest-1	18.54	18.48	18.50	19.50	16.91	16.84	16.82	18.00	21.27	21.24	21.24	22.50

LTE Band 2									
BW	Modulation	Channel					Max. Time-uptake (dBm)		
		RB Size	RB Offset	Low	Mid	High			
100M	QPSK	1	0	21.23	21.19	21.24	22.5		
		1	0	21.27	21.14	21.24	22.5		
		1	99	21.25	21.27	21.28	22.5		
		50	0	21.39	21.27	21.30	22.5		
		50	25	21.38	21.15	21.25	22.5		
		60	50	21.37	21.27	21.22	22.5		
		100	0	21.49	21.38	21.45	22.5		
		1	0	21.38	21.25	21.21	22.5		
		1	50	21.48	21.43	21.38	22.5		
		1	99	21.04	20.98	21.06	22.5		
64QAM	100M	16	0	21.38	21.30	21.30	22.5		
		50	25	21.31	21.27	21.24	22.5		
		50	50	21.24	21.19	21.21	22.5		
		100	0	21.30	21.30	21.30	22.5		
		1	0	21.33	21.30	21.32	22.5		
		1	50	21.39	21.29	21.29	22.5		
		1	99	21.21	21.05	21.07	22.5		
		50	0	21.19	21.05	21.12	22.5		
		50	25	21.07	21.00	21.02	22.5		
		100	0	21.05	20.97	20.99	22.5		
100M	QPSK	1	0	21.13	21.12	21.17	22.5		
		1	37	21.47	21.38	21.30	22.5		
		1	74	21.26	21.20	21.26	22.5		
		36	0	21.19	21.17	21.21	22.5		
		36	19	21.14	21.18	21.10	22.5		
		36	39	21.32	21.19	21.20	22.5		
		75	0	21.45	21.28	21.34	22.5		
		1	0	21.35	21.11	21.18	22.5		
		1	37	21.47	21.43	21.34	22.5		
		1	74	20.96	20.90	20.98	22.5		
64QAM	100M	36	0	21.28	21.10	21.27	22.5		
		36	19	21.08	21.09	21.18	22.5		
		36	39	21.35	21.15	21.15	22.5		
		75	0	21.52	21.27	21.22	22.5		
		1	37	21.39	21.18	21.27	22.5		
		1	74	21.14	21.05	20.97	22.5		
		36	0	21.36	20.95	20.99	22.5		
		36	19	20.95	20.90	20.97	22.5		
		36	39	21.00	20.86	20.93	22.5		
		75	0	21.08	20.87	20.95	22.5		
100M	QPSK	1	0	21.16	21.19	21.16	22.5		
		1	24	21.50	21.41	21.34	22.5		
		1	49	21.15	21.17	21.27	22.5		
		25	0	21.26	21.10	21.21	22.5		
		25	12	21.14	21.11	21.07	22.5		
		25	25	21.28	21.28	21.14	22.5		
		50	0	21.43	21.28	21.28	22.5		
		1	0	21.19	21.15	21.18	22.5		
		1	24	21.40	21.42	21.38	22.5		
		1	49	20.96	20.91	21.01	22.5		
64QAM	100M	25	0	21.31	21.09	21.21	22.5		
		25	12	21.30	21.23	21.16	22.5		
		25	25	21.21	21.10	21.13	22.5		
		50	0	21.58	21.26	21.30	22.5		
		1	0	21.30	21.18	21.28	22.5		
		1	24	21.38	21.19	21.27	22.5		
		1	49	21.13	20.90	21.07	22.5		
		25	0	21.18	20.90	21.10	22.5		
		25	12	21.06	20.99	21.01	22.5		
		25	25	20.88	20.90	20.87	22.5		
100M	QPSK	1	0	21.03	20.85	20.90	22.5		
		1	12	21.42	21.12	21.13	22.5		
		1	24	21.04	21.21	21.27	22.5		
		12	0	21.21	21.12	21.26	22.5		
		12	6	21.19	21.18	21.11	22.5		
		12	13	21.31	21.23	21.20	22.5		
		25	0	21.42	21.35	21.39	22.5		
		1	0	21.25	21.13	21.18	22.5		
		1	12	21.37	21.39	21.35	22.5		
		1	24	21.02	20.91	21.00	22.5		
64QAM	100M	12	0	21.25	21.10	21.26	22.5		
		12	6	21.24	21.25	21.17	22.5		
		12	13	21.24	21.18	21.16	22.5		
		25	0	21.52	21.27	21.31	22.5		
		1	0	21.28	21.26	21.25	22.5		
		1	12	21.32	21.25	21.18	22.5		
		1	24	21.17	21.00	20.97	22.5		
		12	0	21.09	20.96	21.11	22.5		
		12	6	21.02	20.98	20.92	22.5		
		12	13	20.92	20.94	20.96	22.5		
100M	QPSK	1	0	21.02	20.86	20.90	22.5		
		1	7	21.40	21.40	21.35	22.5		
		1	14	21.20	21.23	21.17	22.5		
		8	0	21.24	21.16	21.22	22.5		
		8	3	21.14	21.13	21.07	22.5		
		8	7	21.33	21.24	21.12	22.5		
		15	0	21.45	21.34	21.45	22.5		
		1	0	21.21	21.17	21.11	22.5		
		1	7	21.37	21.32	21.32	22.5		
		1	14	20.93	20.91	20.90	22.5		
64QAM	100M	8	0	21.25	21.15	21.23	22.5		
		8	3	21.25	21.20	21.22	22.5		
		8	7	21.24	21.08	21.18	22.5		
		15	0	21.29	21.25	21.32	22.5		
		1	0	21.27	21.27	21.26	22.5		
		1	7	21.33	21.23	21.24	22.5		
		1	14	21.17	20.95	21.03	22.5		
		8	0	21.07	20.93	21.07	22.5		
		8	3	21.03	20.90	20.92	22.5		
		8	7	20.98	20.83	20.98	22.5		
100M	QPSK	1	0	20.96	20.85	20.90	22.5		
		1	0	21.20	21.08	21.14	22.5		
		1	5	21.17	21.18	21.20	22.5		
		3	0	21.25	21.11	21.22	22.5		
		3	3	21.37	21.10	21.21	22.5		
		6	0	21.42	21.29	21.43	22.5		
		1	0	21.08	21.13	21.13	22.5		
		1	2	21.39	21.38	21.35	22.5		
		1	5	21.02	20.87	20.97	22.5		
		3	0	21.28	21.10	21.23	22.5		
64QAM	100M	3	1	21.07	21.19	21.14	22.5		
		3	3	21.24	21.11	21.09	22.5		
		6	0	21.40	21.26	21.25	22.5		
		1	0	21.02	21.19	21.24	22.5		
		1	2	21.36	21.23	21.21	22.5		
		1	5	21.20	20.96	21.04	22.5		
		3	0	21.08	20.90	21.11	22.5		
		3	1	20.95	20.89	21.01	22.5		
		3	3	20.99	20.85	20.93	22.5		
		6	0	21.02	20.92	20.88	22.5		

LTE Band 4									
BW	Modulation	Channel					Max. Time-uptake (dBm)		
		RB Size	RB Offset	Low	Mid	High			
100M	QPSK	1	0	19.76	19.85	19.81	21		
		1	50	19.81	19.79	19.85	21		
		1	99	19.57	19.64	19.62	21		
		50	0	19.58	19.65	19.72	21		
		50	25	19.66	19.56	19.63	21		
		60	50	19.52	19.64	19.74	21		
		100	0	19.68	19.60	19.74	21		
		1	0	19.64	19.74	19.76	21		
		1	50	19.66	19.52	19.54	21		
		1	99	19.48	19.52	19.62	21		
64QAM	100M	16	0	19.65	19.63	19.63	21		
		50	25	19.57	19.72	19.77	21		
		50	50	19.58	19.64	19.62	21		
		100	0	19.71	19.64	19.65	21		
		1	0	19.61	19.63	19.61	21		
		1	50	19.73	19.75	19.82	21		
		1	99	19.43	19.40	19.45	21		
		50	0	19.57	19.57	19.61	21		
		50	25	19.70	19.72	19.77	21		
		100	0	19.62	19.65	19.69	21		
100M	QPSK	1	0	19.72	19.76	19.74	21		
		1	37	19.88	19.85	19.86	21		
		1	74	19.53	19.63	19.53	21		
		36	0	19.48	19.48	19.41	21		
		36	19	19.62	19.63	19.68	21		
		36	39	19.51	19.53	19.65	21		
		75	0	19.65	19.60	19.62	21		
		1	0	19.60	19.69	19.80	21		
		1	37	19.65	19.68	19.66	21		
		1	74	19.44	19.30	19.42	21		
64QAM	100M	36	0	19.56	19.55	19.54	21		
		36	19	19.56	19.56	19.56	21		
		36	39	19.57	19.59	19.58	21		
		75	0	19.61	19.63	19.60	21		
		1	37	19.71	19.71	19.71	21		
		1	74	19.41	19.30	19.42	21		
		36	0	19.54	19.54	19.54	21		
		36	19	19.57	19.64	19.70	21		
		36	39	19.66	19.56	19.55	21		
		75	0	19.61	19.61	19.61	21		
100M	QPSK	1	0	19.75	19.76	19.73	21		
		1	24	19.82	19.82	19.89	21		
		1	49	19.52	19.60	19.52	21		
		25	0	19.52	19.59	19.61	21		
		25	12	19.56	19.63	19.67	21		
		25	25	19.60	19.58	19.64	21		
		50	0	19.63	19.59	19.74	21		
		1	0	19.61	19.75	19.75	21		
		1	24	19.78	19.84	19.90	21		
		1	49	19.39	19.51	19.56	21		
64QAM	100M	25	0	19.52	19.56	19.66	21		
		25	12	19.57	19.63	19.60	21		
		25	25	19.46	19.63	19.55	21		
		50	0	19.60	19.63	19.63	21		
		1	0	19.60	19.59	19.54	21		
		1	24	19.81	19.75	19.73	21		
		1	49	19.39	19.40	19.40	21		
		25	0	19.53	19.50	19.49	21		
		25	12	19.68	19.70	19.69	21		
		25	25	19.55	19.60				

LTE Band 7								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)	
		Channel	Channel	2010	2015	2020		
QPSK	1	0	20.97	20.91	21.00	22		
		50	21.10	21.13	21.20	22		
		1	21.07	21.02	21.08	22		
		50	20.92	20.88	20.92	22		
		50	20.94	20.94	20.97	22		
		50	20.90	20.91	20.95	22		
		100	20.91	20.88	20.93	22		
		1	20.95	20.88	20.93	22		
		1	20.95	21.18	21.20	22		
		1	20.94	20.99	21.03	22		
16QAM	1	0	20.96	20.86	21.00	22		
		50	20.96	20.94	20.98	22		
		50	20.92	20.94	21.05	22		
		100	20.97	20.94	21.02	22		
		1	20.89	20.95	20.92	22		
		1	20.88	21.06	21.10	22		
		1	20.88	20.90	20.90	22		
		50	20.95	20.90	20.95	22		
		50	20.91	20.98	21.07	22		
		100	20.90	20.89	20.93	22		
64QAM	1	0	20.88	20.90	20.95	22		
		1	21.14	21.11	21.15	22		
		1	20.98	20.99	21.06	22		
		38	20.9	20.91	21.01	22		
		19	20.95	20.83	20.87	22		
		38	20.87	20.91	20.93	22		
		75	20.85	20.84	20.94	22		
		1	20.85	20.77	20.91	22		
		1	20.88	21.10	21.13	22		
		1	20.88	21.01	21.01	22		
16QAM	1	0	20.94	20.78	20.97	22		
		38	20.85	20.88	20.96	22		
		38	20.88	20.91	20.94	22		
		75	20.91	20.90	20.92	22		
		1	20.84	20.89	20.90	22		
		1	21.03	20.97	21.00	22		
		1	20.78	20.74	20.78	22		
		38	21.00	20.93	21.03	22		
		38	20.99	20.93	21.03	22		
		38	20.99	20.85	20.97	22		
64QAM	1	0	20.97	20.98	21.04	22		
		1	20.90	20.87	20.93	22		
		1	20.90	20.80	20.81	22		
		25	20.92	20.87	20.92	22		
		25	20.87	20.81	20.91	22		
		50	20.83	20.88	20.89	22		
		1	20.87	20.78	20.92	22		
		1	24	20.89	20.91	20.95	22	
		25	0	20.93	20.81	20.91	22	
		25	12	20.88	20.93	20.88	22	
50	0	20.93	20.84	21.02	22			
50	0	20.89	20.87	21.02	22			
1	0	20.78	20.83	20.84	22			
1	24	21.02	20.99	21.10	22			
1	49	20.76	20.82	20.83	22			
25	0	20.88	20.92	20.85	22			
25	12	20.91	20.87	21.00	22			
25	25	20.87	20.83	20.98	22			
50	0	20.87	20.83	20.82	22			
QPSK	1	0	20.89	20.81	20.97	22		
		1	12	21.13	21.11	21.15	22	
		1	24	21.02	21.01	20.97	22	
		12	0	20.89	20.88	20.80	22	
		12	6	20.87	20.83	20.87	22	
		12	13	20.88	20.81	20.86	22	
		25	0	20.87	20.78	20.79	22	
		1	0	20.85	20.84	20.88	22	
		1	12	21.12	21.18	21.10	22	
		1	24	20.90	20.94	21.02	22	
16QAM	1	0	20.89	20.86	20.91	22		
		1	49	20.89	20.91	20.95	22	
		12	0	20.87	20.82	20.95	22	
		12	6	20.91	20.83	20.87	22	
		12	13	20.92	20.84	21.02	22	
		25	0	20.92	20.87	21.02	22	
		1	0	20.76	20.90	20.81	22	
		1	12	21.03	20.98	21.08	22	
		1	24	20.85	20.76	20.77	22	
		12	0	20.88	20.90	20.94	22	
12	6	20.99	20.93	20.96	22			
12	13	20.89	20.93	20.96	22			
25	0	20.92	20.78	20.92	22			
64QAM	1	0	20.87	20.83	20.92	22		
		1	12	21.13	21.11	21.15	22	
		1	24	21.02	21.01	20.97	22	
		12	0	20.89	20.88	20.80	22	
		12	6	20.87	20.83	20.87	22	
		12	13	20.88	20.81	20.86	22	
		25	0	20.87	20.78	20.79	22	
		1	0	20.85	20.84	20.88	22	
		1	12	21.12	21.18	21.10	22	
		1	24	20.90	20.94	21.02	22	
16QAM	1	0	20.89	20.86	20.91	22		
		1	49	20.89	20.91	20.95	22	
		12	0	20.87	20.82	20.95	22	
		12	6	20.91	20.83	20.87	22	
		12	13	20.92	20.84	21.02	22	
		25	0	20.92	20.87	21.02	22	
		1	0	20.76	20.90	20.81	22	
		1	12	21.03	20.98	21.08	22	
		1	24	20.85	20.76	20.77	22	
		12	0	20.88	20.90	20.94	22	
12	6	20.99	20.93	20.96	22			
12	13	20.89	20.93	20.96	22			
25	0	20.92	20.78	20.92	22			
64QAM	1	0	20.87	20.83	20.92	22		
		1	12	21.13	21.11	21.15	22	
		1	24	21.02	21.01	20.97	22	
		12	0	20.89	20.88	20.80	22	
		12	6	20.87	20.83	20.87	22	
		12	13	20.88	20.81	20.86	22	
		25	0	20.87	20.78	20.79	22	
		1	0	20.85	20.84	20.88	22	
		1	12	21.12	21.18	21.10	22	
		1	24	20.90	20.94	21.02	22	
16QAM	1	0	20.89	20.86	20.91	22		
		1	49	20.89	20.91	20.95	22	
		12	0	20.87	20.82	20.95	22	
		12	6	20.91	20.83	20.87	22	
		12	13	20.92	20.84	21.02	22	
		25	0	20.92	20.87	21.02	22	
		1	0	20.76	20.90	20.81	22	
		1	12	21.03	20.98	21.08	22	
		1	24	20.85	20.76	20.77	22	
		12	0	20.88	20.90	20.94	22	
12	6	20.99	20.93	20.96	22			
12	13	20.89	20.93	20.96	22			
25	0	20.92	20.78	20.92	22			
64QAM	1	0	20.87	20.83	20.92	22		
		1	12	21.13	21.11	21.15	22	
		1	24	21.02	21.01	20.97	22	
		12	0	20.89	20.88	20.80	22	
		12	6	20.87	20.83	20.87	22	
		12	13	20.88	20.81	20.86	22	
		25	0	20.87	20.78	20.79	22	
		1	0	20.85	20.84	20.88	22	
		1	12	21.12	21.18	21.10	22	
		1	24	20.90	20.94	21.02	22	
16QAM	1	0	20.89	20.86	20.91	22		
		1	49	20.89	20.91	20.95	22	
		12	0	20.87	20.82	20.95	22	
		12	6	20.91	20.83	20.87	22	
		12	13	20.92	20.84	21.02	22	
		25	0	20.92	20.87	21.02	22	
		1	0	20.76	20.90	20.81	22	
		1	12	21.03	20.98	21.08	22	
		1	24	20.85	20.76	20.77	22	
		12	0	20.88	20.90	20.94	22	
12	6	20.99	20.93	20.96	22			
12	13	20.89	20.93	20.96	22			
25	0	20.92	20.78	20.92	22			
64QAM	1	0	20.87	20.83	20.92	22		
		1	12	21.13	21.11	21.15	22	
		1	24	21.02	21.01	20.97	22	
		12	0	20.89	20.88	20.80	22	
		12	6	20.87	20.83	20.87	22	
		12	13	20.88	20.81	20.86	22	
		25	0	20.87	20.78	20.79	22	
		1	0	20.85	20.84	20.88	22	
		1	12	21.12	21.18	21.10	22	
		1	24	20.90	20.94	21.02	22	
16QAM	1	0	20.89	20.86	20.91	22		
		1	49	20.89	20.91	20.95	22	
		12	0	20.87	20.82	20.95	22	
		12	6	20.91	20.83	20.87	22	
		12	13	20.92	20.84	21.02	22	
		25	0	20.92	20.87	21.02	22	
		1	0	20.76	20.90	20.81	22	
		1	12	21.03	20.98	21.08	22	
		1	24	20.85	20.76	20.77	22	
		12	0	20.88	20.90	20.94	22	
12	6	20.99	20.93	20.96	22			
12	13	20.89	20.93	20.96	22			
25	0	20.92	20.78	20.92	22			
64QAM	1	0	20.87	20.83	20.92	22		
		1	12	21.13	21.11	21.15	22	
		1	24	21.02	21.01	20.97	22	
		12	0	20.89	20.88	20.80	22	
		12	6	20.87	20.83	20.87	22	
		12	13	20.88	20.81	20.8		

LTE Band 38										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)	Channel		
		Frequency (MHz)	2550	2555	2565	2575		2585	2595	
10M	QPSK	1	0	22 51	22 48	22 44	23 5	25.5	2585	2605
		1	50	22 50	22 47	22 43	23 5	25.5	2585	2605
		1	99	22 42	22 34	22 19	23 5	25.5	2585	2605
		50	0	22 40	22 37	22 29	23 5	25.5	2585	2605
		50	50	22 40	22 36	22 34	23 5	25.5	2585	2605
		50	99	22 40	22 33	22 25	23 5	25.5	2585	2605
		100	0	22 43	22 44	22 40	23 5	25.5	2585	2605
		100	50	22 43	22 41	22 33	23 5	25.5	2585	2605
		100	99	22 43	22 39	22 28	23 5	25.5	2585	2605
		100	149	22 43	22 36	22 21	23 5	25.5	2585	2605
10M	16QAM	1	0	22 50	22 47	22 43	23 5	25.5	2585	2605
		1	50	22 49	22 46	22 42	23 5	25.5	2585	2605
		1	99	22 41	22 33	22 18	23 5	25.5	2585	2605
		50	0	22 40	22 37	22 29	23 5	25.5	2585	2605
		50	50	22 40	22 36	22 34	23 5	25.5	2585	2605
		50	99	22 40	22 33	22 25	23 5	25.5	2585	2605
		100	0	22 43	22 44	22 40	23 5	25.5	2585	2605
		100	50	22 43	22 41	22 33	23 5	25.5	2585	2605
		100	99	22 43	22 39	22 28	23 5	25.5	2585	2605
		100	149	22 43	22 36	22 21	23 5	25.5	2585	2605
10M	64QAM	1	0	22 53	22 55	22 51	23 5	25.5	2585	2605
		1	50	22 47	22 43	22 33	23 5	25.5	2585	2605
		1	99	21 43	21 46	21 39	22 5	25.5	2585	2605
		50	25	21 51	21 52	21 38	22 5	25.5	2585	2605
		50	50	21 57	21 50	21 43	22 5	25.5	2585	2605
		50	99	21 43	21 49	21 33	22 5	25.5	2585	2605
		100	0	21 43	21 49	21 33	22 5	25.5	2585	2605
		100	50	21 43	21 49	21 33	22 5	25.5	2585	2605
		100	99	21 43	21 49	21 33	22 5	25.5	2585	2605
		100	149	21 43	21 49	21 33	22 5	25.5	2585	2605
5M	QPSK	1	0	22 46	22 37	22 35	23 5	25.5	2585	2605
		1	37	22 56	22 56	22 43	23 5	25.5	2585	2605
		1	74	22 40	22 38	22 18	23 5	25.5	2585	2605
		38	0	22 52	22 38	22 18	23 5	25.5	2585	2605
		38	19	22 37	22 35	22 32	23 5	25.5	2585	2605
		38	56	22 39	22 38	22 40	23 5	25.5	2585	2605
		75	0	22 54	22 42	22 35	23 5	25.5	2585	2605
		1	0	22 37	22 33	22 25	23 5	25.5	2585	2605
		1	37	22 50	22 51	22 43	23 5	25.5	2585	2605
		1	74	22 40	22 37	22 18	23 5	25.5	2585	2605
5M	16QAM	1	0	22 46	22 37	22 35	23 5	25.5	2585	2605
		1	37	22 56	22 56	22 43	23 5	25.5	2585	2605
		1	74	22 40	22 38	22 18	23 5	25.5	2585	2605
		38	0	22 52	22 38	22 18	23 5	25.5	2585	2605
		38	19	22 37	22 35	22 32	23 5	25.5	2585	2605
		38	56	22 39	22 38	22 40	23 5	25.5	2585	2605
		75	0	22 54	22 42	22 35	23 5	25.5	2585	2605
		1	0	22 37	22 33	22 25	23 5	25.5	2585	2605
		1	37	22 50	22 51	22 43	23 5	25.5	2585	2605
		1	74	22 40	22 37	22 18	23 5	25.5	2585	2605
5M	64QAM	1	0	22 53	22 55	22 51	23 5	25.5	2585	2605
		1	50	22 47	22 43	22 33	23 5	25.5	2585	2605
		1	99	21 43	21 46	21 39	22 5	25.5	2585	2605
		50	25	21 51	21 52	21 38	22 5	25.5	2585	2605
		50	50	21 57	21 50	21 43	22 5	25.5	2585	2605
		50	99	21 43	21 49	21 33	22 5	25.5	2585	2605
		100	0	21 43	21 49	21 33	22 5	25.5	2585	2605
		100	50	21 43	21 49	21 33	22 5	25.5	2585	2605
		100	99	21 43	21 49	21 33	22 5	25.5	2585	2605
		100	149	21 43	21 49	21 33	22 5	25.5	2585	2605

LTE Band 41 (2496 - 2600MHz)												
BW	Modulation	RB Size	RB Offset	Low	Low Mid	High Mid	High	Max. Time-up (dBm)	Channel			
		Frequency (MHz)	2550 <th>2545.5 <th>2555 <th>2565.5 <th>2585 <th>2595 </th></th></th></th></th>	2545.5 <th>2555 <th>2565.5 <th>2585 <th>2595 </th></th></th></th>	2555 <th>2565.5 <th>2585 <th>2595 </th></th></th>	2565.5 <th>2585 <th>2595 </th></th>	2585 <th>2595 </th>		2595			
10M	QPSK	1	0	22 52	22 40	22 43	22 43	23 5	25.5	2585	2605	
		1	50	22 50	22 44	22 50	22 51	22 45	23 5	25.5	2585	2605
		1	99	22 37	22 34	22 37	22 38	22 29	23 5	25.5	2585	2605
		50	0	22 34	22 29	22 25	22 27	22 19	23 5	25.5	2585	2605
		50	50	22 40	22 33	22 33	22 37	22 29	23 5	25.5	2585	2605
		50	99	22 50	22 49	22 43	22 38	22 31	23 5	25.5	2585	2605
		100	0	22 50	22 49	22 43	22 38	22 31	23 5	25.5	2585	2605
		100	50	22 50	22 49	22 43	22 38	22 31	23 5	25.5	2585	2605
		100	99	22 50	22 49	22 43	22 38	22 31	23 5	25.5	2585	2605
		100	149	22 50	22 49	22 43	22 38	22 31	23 5	25.5	2585	2605
10M	16QAM	1	0	22 59	22 51	22 51	22 51	23 5	25.5	2585	2605	
		1	37	22 49	22 45	22 45	22 45	22 34	23 5	25.5	2585	2605
		1	74	22 35	22 29	22 26	22 30	22 24	23 5	25.5	2585	2605
		38	0	22 51	22 29	22 29	22 34	22 27	23 5	25.5	2585	2605
		38	19	22 28	22 30	22 30	22 35	22 13	23 5	25.5	2585	2605
		38	56	22 39	22 26	22 27	22 34	22 18	23 5	25.5	2585	2605
		75	0	22 53	22 45	22 45	22 34	22 18	23 5	25.5	2585	2605
		1	0	22 35	22 11	22 10	22 16	22 10	23 5	25.5	2585	2605
		1	37	22 49	22 51	22 57	22 55	22 51	23 5	25.5	2585	2605
		1	74	22 35	22 22	22 23	22 22	22 10	23 5	25.5	2585	2605
10M	64QAM	1	0	22 59	22 51	22 51	22 51	23 5	25.5	2585	2605	
		1	37	22 49	22 45	22 45	22 45	22 34	23 5	25.5	2585	2605
		1	74	22 35	22 29	22 26	22 30	22 24	23 5	25.5	2585	2605
		38	0	22 51	22 29	22 29	22 34	22 27	23 5	25.5	2585	2605
		38	19	22 28	22 30	22 30	22 35	22 09	23 5	25.5	2585	2605
		38	56	22 39	22 26	22 27	22 34	22 18	23 5	25.5	2585	2605
		75	0	22 53	22 45	22 45	22 34	22 18	23 5	25.5	2585	2605
		1	0	22 35	22 11	22 10	22 16	22 10	23 5	25.5	2585	2605
		1	37	22 49	22 52	22 59	22 57	22 53	23 5	25.5	2585	2605
		1	74	22 35	22 22	22 23	22 22	22 10	23 5	25.5	2585	2605
5M	QPSK	1	0	22 44	22 40	22 40	22 37	22 33	23 5	25.5	2585	2605
		1	24	22 54	22 53	22 54	22 42	22 31	23 5	25.5	2585	2605
		1	49	22 31	22 31	22 34	22 31	22 23	23 5	25.5	2585	2605
		25	0	22 26	22 23	22 17	22 25	22 11	23 5	25.5	2585	2605
		25	12	22 21	22 27	22 31	22 28	22 16	23 5	25.5	2585	2605
		25	25	22 31	22 30	22 30	22 32	22 10	23 5	25.5	2585	2605
		50	0	22 29	22 48	22 39	22 35	22 26	23 5	25.5	2585	2605
		1	0	22 15	22 30	22 15	22 12	22 06	23 5	25.5	2585	2605
		1	24	22 42	22 45	22 33	22 32	22 30	23 5	25.5	2585	2605
		1	49	22 27	22 14	22 10	22 22	22 09	23 5	25.5	2585	2605
5M	16QAM	1	0	22 44	22 40	22 40	22 37	22 33	23 5	25.5	2585	2605
		1	24	22 54	22 53	22 54	22 42	22 31	23 5	25.5	2585	2605
		1	49	22 31	22 31	22 34	22 31	22 23	23 5	25.5	2585	2605
		25	0	22 26	22 23	22 17	22 25	22 11	23 5	25.5	2585	2605
		25	12	22 18	22 26	22 31	22 27	22 08	23 5	25.5	2585	2605
		25	25	22 27	22 18	22 20	22 15	22 21	23 5	25.5	2585	2605
		50	0	22 43	22 35	22 41	22 37	22 17	23 5	25.5	2585	2605
		1	0	21 93	21 89	21 89	21 84	21 83	23 5	25.5	2585	2605
		1	24	22 27	22 29	22 21	22 23	22 03	23 5	25.5	2585	2605
		1	49	22 06	22 02	22 04	21 81	21 78	23 5	25.5	2585	2605
5M	64QAM											

WWAN DSI-2&Full 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	32.19	32.25	32.23	33.50	29.62	29.43	29.54	30.50
GPRS 1Tx Slot	32.17	32.24	32.21	33.50	29.60	29.41	29.52	30.50
GPRS 2Tx Slot	31.44	31.51	31.49	32.50	28.91	28.71	28.84	30.00
GPRS 3Tx Slot	29.70	29.77	29.78	30.50	27.20	27.02	27.15	28.00
GPRS 4Tx Slot	28.58	28.66	28.67	29.50	26.17	25.99	26.11	27.00
EDGE 1Tx Slot	25.66	25.51	25.75	28.00	26.51	25.80	26.11	27.00
EDGE 2Tx Slot	22.56	22.25	22.48	25.00	22.89	22.48	22.77	24.00
EDGE 3Tx Slot	20.07	19.92	19.84	23.00	20.64	20.36	20.35	22.00
EDGE 4Tx Slot	18.84	18.54	18.71	22.00	19.49	19.17	19.42	21.00

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	23.19	23.25	23.23	24.50	20.62	20.43	20.54	21.50
GPRS 1Tx Slot	23.17	23.24	23.21	24.50	20.60	20.41	20.52	21.50
GPRS 2Tx Slot	25.44	25.51	25.49	26.50	22.91	22.71	22.84	24.00
GPRS 3Tx Slot	25.44	25.51	25.52	26.24	22.94	22.76	22.89	23.74
GPRS 4Tx Slot	25.58	25.66	25.67	26.50	23.17	22.99	23.11	24.00
EDGE 1Tx Slot	16.66	16.51	16.75	19.00	17.51	16.80	17.11	18.00
EDGE 2Tx Slot	16.56	16.25	16.48	19.00	16.89	16.48	16.77	18.00
EDGE 3Tx Slot	15.81	15.66	15.58	18.74	16.38	16.10	16.09	17.74
EDGE 4Tx Slot	15.84	15.54	15.71	19.00	16.49	16.17	16.42	18.00

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
TX Channel	9262	9400	9538	Max. Tune-up Power (dBm)	1312	1413	1513	Max. Tune-up Power (dBm)	4132	4182	4233	Max. Tune-up Power (dBm)
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
RMC 12.2K	24.44	24.45	24.42	25.50	24.26	24.41	24.27	25.50	24.26	24.29	24.25	25.50
HSDPA Subtest-1	23.33	23.41	23.36	23.50	23.48	23.36	23.34	23.50	23.24	23.32	23.20	23.50
HSDPA Subtest-2	23.35	23.36	23.35	23.50	23.42	23.46	23.41	23.50	23.29	23.25	23.16	23.50
HSDPA Subtest-3	22.42	22.37	22.34	23.50	22.51	22.36	22.36	23.50	22.23	22.33	22.21	23.50
HSDPA Subtest-4	22.38	22.37	22.33	23.50	22.51	22.37	22.35	23.50	22.26	22.27	22.19	23.50
DC-HSDPA Subtest-1	23.35	23.36	23.39	23.50	23.42	23.40	23.40	23.50	23.22	23.34	23.26	23.50
DC-HSDPA Subtest-2	23.35	23.35	23.35	23.50	23.52	23.41	23.41	23.50	23.24	23.26	23.21	23.50
DC-HSDPA Subtest-3	22.43	22.37	22.38	23.50	22.45	22.38	22.41	23.50	22.27	22.31	22.24	23.50
DC-HSDPA Subtest-4	22.40	22.38	22.36	23.50	22.50	22.45	22.35	23.50	22.23	22.32	22.24	23.50
HSUPA Subtest-1	21.39	21.37	21.41	22.50	21.50	21.44	21.36	22.50	21.75	21.77	21.70	22.50
HSUPA Subtest-2	21.34	21.43	21.38	22.50	21.46	21.40	21.40	22.50	21.25	21.34	21.20	22.50
HSUPA Subtest-3	22.35	22.39	22.36	22.50	22.46	22.41	22.44	22.50	22.21	22.25	22.24	22.50
HSUPA Subtest-4	20.93	20.86	20.86	22.50	20.93	20.89	20.91	22.50	20.79	20.84	20.66	22.50
HSUPA Subtest-5	22.44	22.36	22.36	22.50	22.49	22.44	22.41	22.50	22.24	22.31	22.17	22.50
HSPA+ Subtest-1	21.35	21.41	21.46	22.50	21.50	21.48	21.46	22.50	21.30	21.35	21.21	22.50

LTE Band 2											
BW	Modulation	RB Size		Channel	Low	Mid	High	SPP	Max. T	Max. T	
		RB	RB								1875
10M	QPSK	1	0	24.07	24.11	24.13	0	25.5	0	25.5	
				1	50	24.19	24.23	24.32	0	25.5	0
				1	99	24.20	24.11	24.03	0	25.5	0
				50	0	23.14	23.12	23.31	1	24.5	1
				50	25	22.92	22.96	23.08	1	24.5	1
	64QAM	1	0	23.04	23.05	23.13	1	24.5	1		
				1	0	23.15	23.03	23.11	1	24.5	1
				1	0	23.04	23.20	23.14	1	24.5	1
				1	50	22.98	23.07	23.39	1	24.5	1
				1	99	23.16	23.06	23.11	1	24.5	1
20M	16QAM	1	0	22.12	21.99	22.26	2	23.5	2		
				50	25	22.07	22.18	22.27	2	23.5	2
				50	50	22.23	22.26	22.08	2	23.5	2
				100	0	22.17	22.07	22.13	2	23.5	2
				1	0	22.13	22.16	22.03	2	23.5	2
	64QAM	1	0	22.06	22.15	22.18	2	23.5	2		
				1	99	21.96	21.91	21.96	2	23.5	2
				50	0	21.29	21.15	21.05	3	22.5	3
				50	25	21.23	21.27	21.14	3	22.5	3
				50	50	21.07	21.02	21.10	3	22.5	3
30M	16QAM	1	0	21.15	21.10	20.99	3	22.5	3		
				1	0	21.15	21.01	20.99	3	22.5	3
				1	0	21.15	21.01	20.99	3	22.5	3
				1	0	21.15	21.01	20.99	3	22.5	3
				1	0	21.15	21.01	20.99	3	22.5	3
	64QAM	1	0	21.15	21.01	20.99	3	22.5	3		
				1	0	21.15	21.01	20.99	3	22.5	3
				1	0	21.15	21.01	20.99	3	22.5	3
				1	0	21.15	21.01	20.99	3	22.5	3
				1	0	21.15	21.01	20.99	3	22.5	3

LTE Band 4											
BW	Modulation	RB Size		Channel	Low	Mid	High	SPP	Max. T	Max. T	
		RB	RB								2025
10M	QPSK	1	0	24.13	24.15	24.21	0	25.5	0	25.5	
				1	37	24.27	24.29	24.25	0	25.5	0
				1	74	24.06	24.03	24.04	0	25.5	0
				36	0	23.33	23.29	23.26	1	24.5	1
				36	19	23.34	23.32	23.25	1	24.5	1
	64QAM	1	0	23.24	23.23	23.10	1	24.5	1		
				1	0	23.32	23.38	23.33	1	24.5	1
				1	0	23.26	23.23	23.23	1	24.5	1
				1	37	23.22	23.46	23.37	1	24.5	1
				1	74	23.18	23.14	23.16	1	24.5	1
20M	16QAM	1	0	22.19	22.27	22.25	2	23.5	2		
				36	0	22.31	22.22	22.28	2	23.5	2
				36	39	22.19	22.25	22.29	2	23.5	2
				75	0	22.18	22.23	22.16	2	23.5	2
				1	0	22.17	22.14	22.03	2	23.5	2
	64QAM	1	0	22.17	22.01	22.05	2	23.5	2		
				1	37	22.17	22.01	22.05	2	23.5	2
				1	74	21.93	21.80	21.83	2	23.5	2
				36	0	21.19	21.15	21.03	3	22.5	3
				36	19	20.97	21.00	20.98	3	22.5	3
30M	16QAM	1	0	21.05	21.29	21.20	3	22.5	3		
				1	0	21.05	21.29	21.20	3	22.5	3
				1	0	21.05	21.29	21.20	3	22.5	3
				1	0	21.05	21.29	21.20	3	22.5	3
				1	0	21.05	21.29	21.20	3	22.5	3
	64QAM	1	0	21.05	21.29	21.20	3	22.5	3		
				1	0	21.05	21.29	21.20	3	22.5	3
				1	0	21.05	21.29	21.20	3	22.5	3
				1	0	21.05	21.29	21.20	3	22.5	3
				1	0	21.05	21.29	21.20	3	22.5	3

LTE Band 5											
BW	Modulation	RB Size		Channel	Low	Mid	High	SPP	Max. T	Max. T	
		RB	RB								2045
10M	QPSK	1	0	24.13	24.15	24.21	0	25.5	0	25.5	
				1	12	24.13	24.17	24.03	0	25.5	0
				1	24	24.06	24.15	23.98	0	25.5	0
				12	0	23.18	23.26	23.22	1	24.5	1
				12	6	23.07	23.13	23.15	1	24.5	1
	64QAM	1	0	23.13	23.03	23.17	1	24.5	1		
				1	0	23.14	23.19	23.20	1	24.5	1
				1	0	23.12	23.21	23.03	1	24.5	1
				1	12	23.06	23.24	23.12	1	24.5	1
				1	24	23.07	23.15	23.15	1	24.5	1
20M	16QAM	1	0	22.03	22.17	22.25	2	23.5	2		
				12	0	22.07	22.16	22.15	2	23.5	2
				12	13	22.16	22.14	22.30	2	23.5	2
				25	0	22.22	22.18	22.12	2	23.5	2
				1	0	22.02	22.08	22.03	2	23.5	2
	64QAM	1	0	22.02	22.16	22.24	2	23.5	2		
				1	12	22.03	22.44	22.34	2	23.5	2
				1	24	22.16	22.29	22.20	2	23.5	2
				12	0	22.16	22.28	22.10	3	22.5	3
				12	6	20.99	21.06	21.07	3	22.5	3
30M	16QAM	1	0	21.01	20.95	21.03	3	22.5	3		
				1	12	21.03	21.17	21.05	3	22.5	3
				1	12	21.03	21.17	21.05	3	22.5	3
				1	12	21.03	21.17	21.05	3	22.5	3
				1	12	21.03	21.17	21.05	3	22.5	3
	64QAM	1	0	21.03	21.17	21.05	3	22.5	3		
				1	0	21.03	21.17	21.05	3	22.5	3
				1	0	21.03	21.17	21.05	3	22.5	3
				1	0	21.03	21.17	21.05	3	22.5	3
				1	0	21.03	21.17	21.05	3	22.5	3

LTE Band 7									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SPPP MPR (dB)	Max. Time-up (dBm)	
		Channel	Frequency (MHz)	2065	2100	2135			
20M	QPSK	1	0	24.16	24.15	24.18	0	25.5	
		1	50	24.33	24.45	24.47	0	25.5	
		1	99	24.28	24.42	24.30	0	25.5	
		50	0	23.43	23.21	23.30	1	24.5	
		50	25	23.54	23.46	23.60	1	24.5	
	16QAM	50	50	23.42	23.40	23.52	1	24.5	
		100	0	23.41	23.40	23.43	1	24.5	
		1	0	23.19	23.31	23.20	1	24.5	
		1	50	23.56	23.54	23.65	1	24.5	
		1	99	23.26	23.29	23.37	1	24.5	
	64QAM	50	0	22.35	22.35	22.37	2	23.5	
		50	25	22.53	22.50	22.61	2	23.5	
		50	50	22.44	22.54	22.49	2	23.5	
		100	0	22.29	22.47	22.42	2	23.5	
		1	0	22.08	22.11	22.16	2	23.5	
	40M	QPSK	1	0	22.37	22.29	22.46	2	23.5
			1	99	22.21	22.22	22.25	2	23.5
			50	0	21.16	21.06	21.08	3	22.5
			50	25	21.44	21.53	21.57	3	22.5
			50	50	21.38	21.30	21.31	3	22.5
16QAM		100	0	21.22	21.29	21.21	3	22.5	
		64QAM	1	0	21.22	21.29	21.21	3	22.5
			1	50	21.22	21.29	21.21	3	22.5
			1	99	21.22	21.29	21.21	3	22.5
			50	0	21.13	21.07	21.12	3	22.5
50	25		21.13	21.07	21.12	3	22.5		
80M	QPSK	1	0	24.16	24.15	24.18	0	25.5	
		1	37	24.21	24.40	24.41	0	25.5	
		1	74	24.18	24.32	24.30	0	25.5	
		36	0	23.41	23.16	23.18	1	24.5	
		36	19	23.36	23.31	23.61	1	24.5	
	16QAM	36	39	23.53	23.44	23.41	1	24.5	
		75	0	23.38	23.34	23.31	1	24.5	
		1	0	23.09	23.23	23.08	1	24.5	
		1	37	23.55	23.46	23.65	1	24.5	
		1	74	23.20	23.19	23.30	1	24.5	
64QAM	36	0	22.29	22.31	22.29	2	23.5		
	36	19	22.52	22.47	22.49	2	23.5		
	36	39	22.33	22.50	22.42	2	23.5		
	75	0	22.22	22.42	22.34	2	23.5		
	1	0	21.96	22.02	22.04	2	23.5		
160M	QPSK	1	0	24.16	24.15	24.18	0	25.5	
		1	37	24.21	24.40	24.41	0	25.5	
		1	74	24.18	24.32	24.30	0	25.5	
		36	0	23.41	23.16	23.18	1	24.5	
		36	19	23.36	23.31	23.61	1	24.5	
	16QAM	36	39	23.53	23.44	23.41	1	24.5	
		75	0	23.38	23.34	23.31	1	24.5	
		1	0	23.09	23.23	23.08	1	24.5	
		1	37	23.55	23.46	23.65	1	24.5	
		1	74	23.20	23.19	23.30	1	24.5	
64QAM	36	0	22.29	22.31	22.29	2	23.5		
	36	19	22.52	22.47	22.49	2	23.5		
	36	39	22.33	22.50	22.42	2	23.5		
	75	0	22.22	22.42	22.34	2	23.5		
	1	0	21.96	22.02	22.04	2	23.5		
320M	QPSK	1	0	24.16	24.15	24.18	0	25.5	
		1	37	24.21	24.40	24.41	0	25.5	
		1	74	24.18	24.32	24.30	0	25.5	
		36	0	23.41	23.16	23.18	1	24.5	
		36	19	23.36	23.31	23.61	1	24.5	
	16QAM	36	39	23.53	23.44	23.41	1	24.5	
		75	0	23.38	23.34	23.31	1	24.5	
		1	0	23.09	23.23	23.08	1	24.5	
		1	37	23.55	23.46	23.65	1	24.5	
		1	74	23.20	23.19	23.30	1	24.5	
64QAM	36	0	22.29	22.31	22.29	2	23.5		
	36	19	22.52	22.47	22.49	2	23.5		
	36	39	22.33	22.50	22.42	2	23.5		
	75	0	22.22	22.42	22.34	2	23.5		
	1	0	21.96	22.02	22.04	2	23.5		

LTE Band 13								
BW	Modulation	RB Size	RB Offset	Mid	SPPP MPR (dB)		Max. Time-up (dBm)	
		Channel	Frequency (MHz)	2320	2320	2320		
20M	QPSK	1	0	24.12	0		25.5	
		1	24	24.30	0		25.5	
		1	49	24.08	0		25.5	
		25	0	23.23	1		24.5	
		25	12	23.27	1		24.5	
	16QAM	25	25	23.16	1		24.5	
		50	0	23.20	1		24.5	
		1	0	23.30	1		24.5	
		1	24	23.28	1		24.5	
		1	49	23.21	1		24.5	
	64QAM	25	0	22.22	2		23.5	
		25	25	22.18	2		23.5	
		50	0	22.13	2		23.5	
		1	0	22.16	2		23.5	
		1	24	22.25	2		23.5	
	40M	QPSK	1	0	24.10	0		25.5
			1	24	24.03	0		25.5
			12	0	23.18	1		24.5
			12	6	23.24	1		24.5
			12	13	23.08	1		24.5
16QAM		25	0	23.18	1		24.5	
		1	0	23.26	1		24.5	
		1	12	23.22	1		24.5	
		1	24	23.12	1		24.5	
		12	0	22.20	2		23.5	
64QAM	12	6	22.11	2		23.5		
	12	13	22.06	2		23.5		
	25	0	22.12	2		23.5		
	1	0	22.15	2		23.5		
	1	12	22.14	2		23.5		
80M	QPSK	1	0	24.10	0		25.5	
		1	24	24.03	0		25.5	
		12	0	23.18	1		24.5	
		12	6	23.24	1		24.5	
		12	13	23.08	1		24.5	
	16QAM	25	0	23.18	1		24.5	
		1	0	23.26	1		24.5	
		1	12	23.22	1		24.5	
		1	24	23.12	1		24.5	
		12	0	22.20	2		23.5	
64QAM	12	6	22.11	2		23.5		
	12	13	22.06	2		23.5		
	25	0	22.12	2		23.5		
	1	0	22.15	2		23.5		
	1	12	22.14	2		23.5		

LTE Band 26									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SPPP MPR (dB)	Max. Time-up (dBm)	
		Channel	Frequency (MHz)	2675	2685	2695			
20M	QPSK	1	0	24.05	24.12	24.06	0	25.5	
		1	37	24.22	24.32	24.24	0	25.5	
		1	74	24.20	24.12	24.20	0	25.5	
		36	0	23.04	23.10	22.97	1	24.5	
		36	19	22.92	23.22	23.00	1	24.5	
	16QAM	36	39	23.10	23.15	23.14	1	24.5	
		75	0	23.18	23.16	23.01	1	24.5	
		1	0	23.10	23.09	23.03	1	24.5	
		1	37	23.16	23.26	23.20	1	24.5	
		1	74	23.02	23.13	23.14	1	24.5	
	64QAM	36	0	22.07	22.08	22.30	2	23.5	
		36	19	22.19	22.10	22.08	2	23.5	
		36	39	21.89	22.13	22.01	2	23.5	
		75	0	22.02	22.13	22.18	2	23.5	
		1	0	21.96	21.93	21.91	2	23.5	
	40M	QPSK	1	0	24.05	24.12	24.06	0	25.5
			1	24	24.16	24.26	24.12	0	25.5
			1	49	24.11	24.12	24.09	0	25.5
			25	0	22.99	22.99	22.97	1	24.5
			25	12	22.88	23.14	23.00	1	24.5
16QAM		25	25	23.07	23.05	23.12	1	24.5	
		50	0	23.16	23.14	22.94	1	24.5	
		1	0	22.99	23.01	23.00	1	24.5	
		1	24	23.08	23.19	23.15	1	24.5	
		1	49	22.92	23.07	22.92	1	24.5	
64QAM	25	0	22.02	22.03	22.24	2	23.5		
	25	12	22.13	21.99	22.06	2	23.5		
	25	25	21.79	22.05	21.92	2	23.5		
	50	0	21.99	22.01	22.06	2	23.5		
	1	0	21.95	21.76	21.84	2	23.5		
80M	QPSK	1	0	24.05	24.12	24.06	0	25.5	
		1	12	24.19	24.24	24.12	0	25.5	
		1	24	24.16	24.00	24.18	0	25.5	
		12	0	22.97	23.03	22.94	1	24.5	
		12	6	22.84	23.14	23.07	1	24.5	
	16QAM	12	13	23.00	23.04	23.06	1	24.5	
		25	0	23.13	23.09	22.91	1	24.5	
		1	0	23.08	23.05	23.02	1	24.5	
		1	12	23.07	23.22	23.09	1	24.5	
		1	24	23.00	23.11	23.12	1	24.5	
64QAM	12	0	22.02	22.00	22.22	2	23.5		
	12	6	22.17	22.09	22.02	2	23.5		
	12	13	21.77	22.08	21.89	2	23.5		
	25	0	21.92	22.06	22.13	2	23.5		
	1	0	21.91	21.74	21.87	2	23.5		
160M	QPSK	1	0	24.05	24.12	24.06	0	25.5	
		1	12	24.19	24.24	24.12	0	25.5	
		1	24	24.16	24.00	24.18	0	25.5	
		12	0	22.97	23.03	22.94	1	24.5	
		12	6	22.84	23.14	23.07	1	24.5	
	16QAM	12	13	23.00</					

LTE Band 38										
BW	Modulation	Channel	RB Size			3GPP MPR (dB)	Max. Time-up (dBm)			
			RB Offset	Low	Mid			High		
Frequency (MHz)			3785	3850	3815					
20M	QPSK	1	0	24.18	24.16	0	25.5			
		1	50	24.40	24.32	0	25.5			
		1	99	24.19	24.34	0	25.5			
		50	0	23.22	23.09	23.22	1	24.5		
		50	25	23.25	23.12	23.28	1	24.5		
	50	50	23.34	23.20	23.31	1	24.5			
	16QAM	100	0	23.32	23.29	23.21	1	24.5		
		1	0	23.13	23.20	23.23	1	24.5		
		1	50	23.63	23.36	23.46	1	24.5		
		50	25	21.30	21.27	21.29	3	22.5		
50		0	22.21	22.14	22.28	2	23.5			
50		25	22.39	22.29	22.31	2	23.5			
50		50	22.26	22.18	22.11	2	23.5			
100		0	22.26	22.29	22.24	2	23.5			
64QAM		1	0	22.05	22.00	21.96	2	23.5		
		1	50	22.34	22.30	22.24	2	23.5		
	1	99	22.16	22.06	22.17	2	23.5			
	50	0	21.06	21.03	20.96	3	22.5			
	50	25	21.30	21.27	21.29	3	22.5			
	50	50	21.12	21.15	21.11	3	22.5			
	100	0	21.17	21.29	21.30	3	22.5			
	20M	QPSK	1	0	24.18	24.16	0	25.5		
			1	37	24.38	24.32	24.29	0	25.5	
			1	74	24.17	24.25	24.16	0	25.5	
36			0	23.15	22.99	23.16	1	24.5		
36			19	23.33	23.12	23.21	1	24.5		
36		39	23.21	23.22	23.26	1	24.5			
15M		16QAM	75	0	23.21	23.38	23.09	1	24.5	
			1	0	23.02	23.09	23.23	1	24.5	
			1	37	23.42	23.35	23.45	1	24.5	
			1	74	23.07	23.12	23.16	1	24.5	
	36		0	22.13	22.12	22.19	2	23.5		
	64QAM	36	19	22.38	22.22	22.25	2	23.5		
		36	39	22.15	22.09	22.03	2	23.5		
		75	0	22.29	22.23	22.25	2	23.5		
		1	0	21.08	21.07	21.06	3	22.5		
		1	37	22.28	22.26	22.17	2	23.5		
1		74	22.09	22.01	22.06	2	23.5			
36		0	20.94	20.99	20.98	3	22.5			
36		19	21.22	21.09	21.08	3	22.5			
36		39	21.12	21.04	21.01	3	22.5			
75		0	21.16	21.23	21.25	3	22.5			

LTE Band 41 (2496 - 2690MHz)											
BW	Modulation	Channel	RB Size			3GPP MPR (dB)	Max. Time-up (dBm)				
			RB Offset	Low	Mid			High			
Frequency (MHz)			3970	4015	4060	4105	4140				
20M	QPSK	1	0	24.21	24.06	24.08	24.07	24.11	0	25.5	
		1	50	24.34	24.21	24.20	24.31	24.24	0	25.5	
		1	99	24.10	24.06	24.19	23.97	24.01	0	25.5	
		50	0	23.15	23.15	23.01	22.98	23.01	1	24.5	
		50	25	23.25	23.19	23.19	23.20	23.21	1	24.5	
	16QAM	50	50	23.17	23.27	23.25	23.23	23.83	1	24.5	
		100	0	23.29	23.06	22.96	23.11	23.06	1	24.5	
		1	0	23.05	23.14	23.04	23.26	23.16	1	24.5	
		1	50	23.25	23.01	23.16	22.87	22.90	1	24.5	
		50	25	21.08	21.08	21.13	21.04	21.08	3	22.5	
50		50	22.17	22.19	22.30	22.22	22.21	2	23.5		
50		25	22.25	21.96	22.00	22.03	22.09	2	23.5		
50		50	22.18	22.09	21.96	22.20	22.20	2	23.5		
100		0	22.34	22.29	22.08	22.25	22.20	2	23.5		
64QAM		1	0	22.00	21.91	21.82	21.86	21.79	2	23.5	
	1	50	22.08	22.03	22.06	21.97	22.07	2	23.5		
	1	99	21.88	21.96	21.90	22.11	22.01	2	23.5		
	50	0	20.94	21.02	21.03	20.97	21.13	3	22.5		
	50	25	21.08	21.08	21.13	21.04	21.08	3	22.5		
	50	50	21.06	21.06	21.05	21.05	21.16	3	22.5		
	100	0	21.02	21.10	21.17	21.14	21.26	3	22.5		
	20M	QPSK	1	0	24.21	24.06	24.08	24.07	24.11	0	25.5
			1	37	24.25	24.19	24.12	24.29	24.12	0	25.5
			1	74	24.00	24.05	24.09	23.90	23.97	0	25.5
36			0	23.13	23.06	22.91	22.96	22.91	1	24.5	
36			19	23.14	23.13	23.16	23.00	22.97	1	24.5	
15M		16QAM	36	39	23.09	22.90	22.84	22.82	23.13	1	24.5
			75	0	23.18	23.00	22.89	23.02	23.01	1	24.5
			1	0	23.03	23.04	22.95	23.20	23.12	1	24.5
			1	37	23.24	22.95	23.09	22.75	22.82	1	24.5
			1	74	23.01	23.05	22.98	22.28	22.34	1	24.5
	64QAM	36	0	22.09	22.13	22.24	22.21	22.26	2	23.5	
		36	19	22.14	21.87	21.98	21.99	22.00	2	23.5	
		36	39	22.17	22.05	21.94	22.09	22.02	2	23.5	
		75	0	22.29	22.10	22.05	22.16	22.14	2	23.5	
		1	0	21.89	21.89	21.77	21.85	21.75	2	23.5	
1		37	22.02	21.93	21.95	21.95	21.92	2	23.5		
1		74	21.80	21.87	21.78	22.03	21.97	2	23.5		
36		0	20.90	20.99	20.92	20.99	21.09	3	22.5		
36		19	21.00	21.00	21.01	21.00	21.06	3	22.5		
36		39	20.98	20.99	20.96	20.94	21.15	3	22.5		
75	0	20.96	20.99	21.16	21.06	21.02	3	22.5			

LTE Band 66										
BW	Modulation	Channel	RB Size			3GPP MPR (dB)	Max. Time-up (dBm)			
			RB Offset	Low	Mid			High		
Frequency (MHz)			1307.2	1322.2	1337.2	1352.2	1367.2			
20M	QPSK	1	0	24.13	24.20	24.13	0	25.5		
		1	50	24.20	24.21	24.19	0	25.5		
		1	99	24.18	23.99	24.19	0	25.5		
		50	0	23.03	23.21	23.18	1	24.5		
		50	25	23.22	23.25	23.20	1	24.5		
	16QAM	50	50	23.09	23.21	23.24	1	24.5		
		100	0	23.01	23.22	23.03	1	24.5		
		1	0	23.10	23.26	23.14	1	24.5		
		1	50	23.12	23.36	23.15	1	24.5		
		50	25	21.07	21.17	21.06	3	22.5		
50		0	22.21	22.21	22.23	2	23.5			
50		25	22.26	22.24	22.39	2	23.5			
50		50	22.13	22.22	22.15	2	23.5			
100		0	22.10	22.25	22.04	2	23.5			
64QAM		1	0	22.08	22.07	22.12	2	23.5		
	1	50	22.08	22.09	22.08	2	23.5			
	1	99	22.17	22.02	22.04	2	23.5			
	50	0	21.27	21.18	21.41	3	22.5			
	50	25	21.10	21.17	21.06	3	22.5			
	50	50	21.00	20.90	20.94	3	22.5			
	100	0	21.18	21.26	21.07	3	22.5			
	20M	QPSK	1	0	24.13	24.20	24.13	0	25.5	
			1	37	24.14	24.20	24.19	0	25.5	
			1	74	24.12	23.96	24.09	0	25.5	
36			0	22.93	23.19	23.07	1	24.5		
36			19	23.21	23.12	23.15	1	24.5		
16QAM		36	39	23.00	23.16	23.01	1	24.5		
		75	0	22.94	23.16	22.97	1	24.5		
		1	0	23.07	23.14	23.14	1	24.5		
		1	37	23.10	23.25	23.06	1	24.5		
		1	74	23.14	23.08	23.11	1	24.5		
	36	0	22.13	22.14	22.14	2	23.5			
	36	19	22.15	22.19	22.32	2	23.5			
	36	39	22.01	22.11	22.10	2	23.5			
	75	0	21.99	22.18	21.96	2	23.5			
	64QAM	1	0	21.85	21.97	21.86	2	23.5		
1		37	22.02	21.97	21.94	2	23.5			
1		74	22.16	21.91	22.01	2	23.5			
36		0	21.25	21.12	21.33	3	22.5			
36		19	21.05	21.13	21.06	3	22.5			
36		39	20.99	20.95	20.91	3	22.5			
75		0	21.15	21.25	20.98	3	22.5			
20M		QPSK	1	0	24.12	24.18	24.03	0	25.5	
			1	24	24.14	24.11	24.14	0	25.5	
			1	49	24.09	23.94	24.07	0	25.5	
	25		0	22.95	23.15	23.13	1	24.5		
	25		12	23.13	23.15	23.19	1	24.5		
	15M	16QAM	25	25	23.03	23.09	23.06	1	24.5	
			50	0	22.98	23.18	23.00	1	24.5	
			1	0	23.03	23.23	23.14	1	24.5	
			1	24	23.10	23.24	23.06	1	24.5	
			1	49	22.98	23.04	23.06	1	24.5	
64QAM		25	0	22.19	22.19	22.29	2	23.5		
		25	12	22.19	22.21	22.38	2	23.5		
		25	25	22.06	22.14	22.07	2	23.5		
		50	0	22.06	22.24	21.94	2	23.5		
		1	0	22.07	21.97	22.07	2	23.5		
	1	24	22.07	22.02	22.09	2	23.5			
	1	49	22.11	21.98						

WWAN DSI-1 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	30.93	30.90	31.01	32.50	26.58	26.43	26.53	27.50
GPRS 1Tx Slot	30.92	30.88	30.99	32.50	26.56	26.41	26.52	27.50
GPRS 2Tx Slot	29.06	29.02	29.14	30.50	24.61	24.43	24.53	26.00
GPRS 3Tx Slot	27.49	27.47	27.61	28.50	23.11	22.93	23.03	24.00
GPRS 4Tx Slot	26.63	26.63	26.79	27.50	22.05	21.86	21.96	23.00
EDGE 1Tx Slot	25.66	25.51	25.75	28.00	26.51	25.80	26.11	27.00
EDGE 2Tx Slot	22.56	22.25	22.48	25.00	22.89	22.48	22.77	24.00
EDGE 3Tx Slot	20.07	19.92	19.84	23.00	20.64	20.36	20.35	22.00
EDGE 4Tx Slot	18.84	18.54	18.71	22.00	19.49	19.17	19.42	21.00

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	21.93	21.90	22.01	23.50	17.58	17.43	17.53	18.50
GPRS 1Tx Slot	21.92	21.88	21.99	23.50	17.56	17.41	17.52	18.50
GPRS 2Tx Slot	23.06	23.02	23.14	24.50	18.61	18.43	18.53	20.00
GPRS 3Tx Slot	23.23	23.21	23.35	24.24	18.85	18.67	18.77	19.74
GPRS 4Tx Slot	23.63	23.63	23.79	24.50	19.05	18.86	18.96	20.00
EDGE 1Tx Slot	16.66	16.51	16.75	19.00	17.51	16.80	17.11	18.00
EDGE 2Tx Slot	16.56	16.25	16.48	19.00	16.89	16.48	16.77	18.00
EDGE 3Tx Slot	15.81	15.66	15.58	18.74	16.38	16.10	16.09	17.74
EDGE 4Tx Slot	15.84	15.54	15.71	19.00	16.49	16.17	16.42	18.00

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
TX Channel	9262	9400	9538	Max. Tune-up Power (dBm)	1312	1413	1513	Max. Tune-up Power (dBm)	4132	4182	4233	Max. Tune-up Power (dBm)
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
RMC 12.2K	17.52	17.55	17.44	19.00	15.87	16.02	15.86	17.00	23.22	23.25	23.20	24.50
HSDPA Subtest-1	16.42	16.45	16.35	17.00	14.93	15.01	14.94	15.00	22.15	22.24	22.11	22.50
HSDPA Subtest-2	16.47	16.50	16.41	17.00	14.83	15.06	15.03	15.00	22.19	22.23	22.19	22.50
HSDPA Subtest-3	15.44	15.46	15.41	17.00	14.01	14.06	14.15	15.00	21.13	21.16	21.16	22.50
HSDPA Subtest-4	15.49	15.45	15.44	17.00	13.92	14.05	14.07	15.00	21.11	21.21	21.13	22.50
DC-HSDPA Subtest-1	16.41	16.51	16.43	17.00	14.84	14.80	14.89	15.00	22.13	22.17	22.09	22.50
DC-HSDPA Subtest-2	16.50	16.46	16.43	17.00	14.96	14.88	14.90	15.00	22.16	22.21	22.14	22.50
DC-HSDPA Subtest-3	15.50	15.49	15.34	17.00	13.91	13.85	13.90	15.00	21.12	21.23	21.19	22.50
DC-HSDPA Subtest-4	15.44	15.54	15.36	17.00	13.95	13.92	13.83	15.00	21.18	21.16	21.17	22.50
HSUPA Subtest-1	15.00	14.97	14.86	16.00	12.97	12.94	12.75	14.00	20.67	20.68	20.60	21.50
HSUPA Subtest-2	14.41	14.49	14.34	16.00	12.88	12.82	12.80	14.00	20.11	20.24	20.18	21.50
HSUPA Subtest-3	15.44	15.46	15.38	16.00	13.89	13.90	13.84	14.00	21.14	21.22	21.11	21.50
HSUPA Subtest-4	14.02	13.94	13.87	16.00	12.40	12.29	12.36	14.00	19.72	19.67	19.61	21.50
HSUPA Subtest-5	15.49	15.53	15.43	16.00	13.94	13.93	13.86	14.00	21.16	21.25	21.10	21.50
HSPA+ Subtest-1	14.47	14.52	14.41	16.00	12.98	12.92	12.94	14.00	20.15	20.22	20.19	21.50

LTE Band 2							
BW	Modulation	Channel	RB Size			Max. Tune-up (dBm)	
			RB Offset	Low	High		
10M	QPSK	1	0	17.52	17.52	19	
		1	90	17.80	17.77	17.89	19
		1	99	17.53	17.57	17.57	19
		50	0	17.85	17.66	17.77	19
		50	25	17.71	17.56	17.70	19
		50	50	17.64	17.60	17.66	19
		100	0	17.77	17.55	17.73	19
		1	0	17.79	17.85	17.87	19
		1	50	17.78	17.79	17.87	19
		1	99	17.78	17.78	17.72	19
20M	16QAM	50	0	17.73	17.53	17.76	19
		50	25	17.81	17.70	17.82	19
		50	50	17.65	17.58	17.72	19
		100	0	17.72	17.50	17.76	19
		1	0	17.85	17.80	17.75	19
		1	99	17.67	17.79	17.71	19
		50	0	17.85	17.58	17.74	19
		50	25	17.70	17.73	17.74	19
		50	50	17.75	17.43	17.65	19
		100	0	17.69	17.78	17.77	19
30M	64QAM	100	0	17.69	17.78	17.77	19
		1	0	17.85	17.80	17.75	19
		1	37	17.77	17.70	17.78	19
		1	74	17.45	17.48	17.52	19
		36	0	17.75	17.59	17.68	19
		36	19	17.62	17.53	17.68	19
		36	39	17.62	17.51	17.67	19
		75	0	17.72	17.44	17.69	19
		1	0	17.77	17.80	17.85	19
		1	37	17.72	17.73	17.78	19
40M	16QAM	1	74	17.76	17.70	17.70	19
		36	0	17.73	17.43	17.71	19
		36	19	17.73	17.62	17.71	19
		36	39	17.53	17.57	17.61	19
		75	0	17.62	17.51	17.68	19
		1	0	17.85	17.80	17.75	19
		1	37	17.57	17.65	17.74	19
		1	74	17.62	17.67	17.59	19
		36	0	17.62	17.56	17.74	19
		36	19	17.64	17.70	17.63	19
50M	64QAM	36	39	17.64	17.51	17.59	19
		75	0	17.59	17.71	17.67	19
		1	0	17.85	17.80	17.75	19
		1	34	17.54	17.54	17.74	19
		1	49	17.57	17.72	17.60	19
		25	0	17.53	17.49	17.66	19
		25	12	17.68	17.71	17.70	19
		25	26	17.68	17.54	17.64	19
		50	0	17.65	17.78	17.69	19
		60M	QPSK	1	0	17.51	17.53
1	12			17.79	17.70	17.79	19
1	24			17.48	17.45	17.45	19
12	0			17.81	17.58	17.66	19
12	6			17.66	17.53	17.64	19
12	13			17.71	17.59	17.55	19
25	0			17.72	17.45	17.67	19
1	0			17.71	17.77	17.85	19
1	12			17.67	17.78	17.78	19
1	24			17.78	17.71	17.61	19
70M	16QAM	12	6	17.71	17.48	17.71	19
		8	3	17.75	17.66	17.74	19
		12	13	17.55	17.54	17.67	19
		25	0	17.65	17.51	17.68	19
		1	0	17.78	17.74	17.74	19
		1	12	17.58	17.73	17.73	19
		1	24	17.56	17.71	17.66	19
		12	0	17.59	17.50	17.63	19
		12	6	17.62	17.68	17.71	19
		12	13	17.69	17.33	17.62	19
80M	64QAM	25	0	17.61	17.69	17.69	19
		1	0	17.85	17.80	17.75	19
		1	12	17.52	17.56	17.66	19
		1	24	17.56	17.71	17.66	19
		8	0	17.54	17.59	17.73	19
		8	3	17.61	17.62	17.65	19
		8	7	17.73	17.41	17.60	19
		15	0	17.81	17.72	17.71	19
		1	0	17.56	17.55	17.55	19
		1	2	17.74	17.69	17.80	19
90M	QPSK	1	0	17.53	17.53	17.62	19
		1	7	17.72	17.75	17.86	19
		1	14	17.48	17.47	17.47	19
		8	0	17.82	17.61	17.68	19
		8	3	17.65	17.45	17.70	19
		8	7	17.66	17.52	17.59	19
		15	0	17.69	17.50	17.66	19
		1	0	17.75	17.77	17.84	19
		1	7	17.76	17.74	17.83	19
		1	14	17.74	17.70	17.61	19
100M	16QAM	8	0	17.66	17.44	17.75	19
		8	3	17.75	17.66	17.70	19
		8	7	17.62	17.55	17.61	19
		15	0	17.65	17.49	17.72	19
		1	0	17.83	17.70	17.74	19
		1	7	17.56	17.59	17.69	19
		1	14	17.57	17.78	17.66	19
		8	0	17.54	17.59	17.73	19
		8	3	17.61	17.62	17.65	19
		8	7	17.73	17.41	17.60	19
120M	64QAM	15	0	17.81	17.69	17.69	19
		1	0	17.85	17.80	17.75	19
		1	14	17.57	17.56	17.66	19
		8	0	17.54	17.59	17.73	19
		8	3	17.61	17.62	17.65	19
		8	7	17.73	17.41	17.60	19
		15	0	17.81	17.72	17.71	19
		1	0	17.56	17.55	17.55	19
		1	2	17.74	17.69	17.80	19
		1	5	17.72	17.56	17.70	19
140M	QPSK	3	0	17.82	17.56	17.70	19
		3	1	17.67	17.54	17.66	19
		3	3	17.70	17.57	17.63	19
		6	0	17.66	17.52	17.67	19
		1	0	17.68	17.75	17.77	19
		1	2	17.75	17.78	17.82	19
		1	5	17.78	17.70	17.68	19
		3	0	17.66	17.41	17.72	19
		3	1	17.78	17.69	17.79	19
		3	3	17.66	17.56	17.63	19
160M	16QAM	6	0	17.70	17.53	17.75	19
		1	0	17.81	17.75	17.72	19
		1	2	17.80	17.62	17.70	19
		1	5	17.60	17.72	17.70	19
		3	0	17.53	17.52	17.66	19
		3	1	17.67	17.66	17.62	19
		3	3	17.74	17.43	17.63	19
		6	0	17.67	17.71	17.66	19

LTE Band 4							
BW	Modulation	Channel	RB Size			Max. Tune-up (dBm)	
			RB Offset	Low	High		
10M	QPSK	1	0	15.56	15.74	17	
		1	50	15.74	15.84	15.80	17
		1	99	15.38	15.54	15.54	17
		50	0	15.66	15.79	15.76	17
		50	25	15.60	15.70	15.67	17
		50	50	15.54	15.70	15.60	17
		100	0	15.64	15.76	15.71	17
		1	0	15.81	15.88	15.90	17
		1	50	15.86	15.92	15.88	17
		1	99	15.61	15.75	15.66	17
20M	16QAM	50	0	15.68	15.83	15.71	17
		50	25	15.63	15.74	15.72	17
		50	50	15.67	15.76	15.73	17
		100	0	15.80	15.81	15.84	17
		1	0	15.85	15.81	15.77	17
		1	50	15.87	15.88	15.84	17
		1	99	15.66	15.71	15.75	17
		50	0	15.74	15.81	15.87	17
		50	25	15.69	15.79	15.78	17
		50	50	15.82	15.78	15.78	17
30M	64QAM	100	0	15.79	15.80	15.83	17
		1	0	17.05	17.05	17.05	17
		1	37	15.88	15.80	15.86	17
		1	74	15.57	15.83	15.73	17
		1	74	15.27	15.48	15.42	17
		36	0	15.56	15.73	15.73	17
		36	19	15.62	15.62	15.68	17
		36	39	15.49	15.69	15.63	17
		75	0	15.56	15.65	15.66	17
		1	0	15.74	15.78	15.89	17
40M	16QAM	1	37	15.83	15.85	15.87	17
		1	74	15.84	15.84	15.84	17
		36	0	15.60	15.72	15.60	17
		36	19	15.58	15.64	15.67	17
		36	39	15.66	15.70	15.65	17
		75	0	15.74	15.75	15.79	17
		1	0	15.85	15.82	15.82	17
		1	37	15.87	15.82	15.74	17
		1	74	15.48	15.69	15.66	17
		36	0	15.68	15.81	15.85	17
36	19	15.80	15.67	15.66	17		
50M	64QAM	36	39	15.71	15.69	15.67	17
		75	0	15.68	15.78	15.78	17
		1	0	15.73	15.78	15.89	17
		1	24	15.86	15.80	15.74	17
		1	49	15.53	15.60	15.71	17
		25	0	15.70	15.76	15.77	17
		25	12	15.78	15.71	15.71	17
		25	25	15.66	15.75	15.74	17
		50	0	15.71	15.75	15.86	17
		60M	QPSK	1	0	15.63	15.67
1	24			15.64	15.65	15.78	17
1	49			15.34	15.44	15.51	17
25	0			15.60	15.69	15.66	17
25	12			15.67	15.65	15.65	17
25	25			15.66	15.63	15.67	17
50	0			15.69	15.63	15.50	17

LTE Band 7								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	20850	21100		21350
		Frequency (MHz)		2510	2535	2560		
20M	QPSK	1	0	19.74	19.79	19.70	21	
		1	50	19.97	20.02	20.06	21	
		1	99	19.85	19.90	19.77	21	
		50	0	19.91	19.92	19.92	21	
		50	25	19.93	19.98	20.05	21	
	16QAM	50	50	19.88	19.97	19.94	21	
		100	0	19.96	19.96	20.02	21	
		1	0	19.91	19.87	19.80	21	
		1	50	19.91	19.90	19.88	21	
		1	99	19.83	19.80	19.77	21	
	64QAM	50	0	19.98	19.93	19.86	21	
		50	25	19.93	19.95	19.91	21	
		50	50	19.92	19.97	19.88	21	
		100	0	19.86	19.93	19.83	21	
		1	0	19.83	19.86	19.77	21	
	10M	QPSK	1	0	19.66	19.74	19.74	21
			1	37	19.86	19.97	20.04	21
			1	74	19.77	19.79	19.66	21
			36	0	19.87	19.83	19.84	21
			36	19	19.83	19.90	19.94	21
16QAM		36	39	19.81	19.95	19.89	21	
		75	0	19.88	19.89	19.91	21	
		1	0	19.87	19.85	19.80	21	
		1	37	19.85	19.96	19.92	21	
		1	74	19.76	19.86	19.77	21	
64QAM		36	0	19.88	19.93	19.92	21	
		36	19	19.86	19.88	19.92	21	
		36	39	19.81	19.95	19.89	21	
		36	39	19.93	19.86	19.91	21	
		75	0	19.83	19.85	19.71	21	
5M		QPSK	1	0	19.66	19.71	19.73	21
			1	24	19.87	19.93	19.95	21
			1	49	19.82	19.84	19.86	21
			25	0	19.81	19.83	19.91	21
			25	12	19.82	19.89	19.93	21
	16QAM	25	25	19.86	19.96	19.84	21	
		50	0	19.86	19.88	20.01	21	
		1	0	19.85	19.84	19.72	21	
		1	24	19.81	19.96	19.85	21	
		1	49	19.72	19.86	19.74	21	
	64QAM	25	0	19.90	19.89	19.91	21	
		25	12	19.81	19.86	19.91	21	
		25	25	19.82	19.97	19.84	21	
		50	0	19.81	19.86	19.93	21	
		1	0	19.79	19.83	19.77	21	
	1.4M	QPSK	1	24	19.86	19.95	19.75	21
			1	49	19.76	19.96	19.86	21
			25	0	19.78	19.92	19.91	21
			25	12	19.89	19.92	19.97	21
			25	25	19.89	19.90	19.91	21
16QAM		50	0	19.86	19.84	19.74	21	
		1	0	19.79	19.83	19.77	21	
		1	24	19.86	19.95	19.75	21	
		1	49	19.76	19.96	19.86	21	
		25	0	19.78	19.92	19.91	21	
64QAM		25	12	19.89	19.92	19.97	21	
		25	25	19.89	19.90	19.91	21	
		50	0	19.86	19.84	19.74	21	
		1	0	19.82	19.84	19.72	21	
		1	12	19.86	19.81	19.75	21	

LTE Band 13							
BW	Modulation	RB Size	RB Offset	Mid	SCPP MPR (dB)	Max. Tune-up (dBm)	
				Channel	23230		2325
		Frequency (MHz)		782	782		
10M	QPSK	1	0	24.12	0	25.5	
		1	24	24.30	0	25.5	
		1	49	24.08	0	25.5	
		25	0	23.23	1	24.5	
		25	12	23.27	1	24.5	
	16QAM	25	25	23.18	1	24.5	
		50	0	23.20	1	24.5	
		1	0	23.30	1	24.5	
		1	24	23.28	1	24.5	
		1	49	23.21	1	24.5	
	64QAM	25	0	22.21	2	23.5	
		25	12	22.22	2	23.5	
		25	25	22.18	2	23.5	
		50	0	22.13	2	23.5	
		1	0	22.18	2	23.5	
	5M	QPSK	1	0	24.12	0	25.5
			1	24	24.03	0	25.5
			1	12	24.25	0	25.5
			1	24	24.03	0	25.5
			12	0	23.18	1	24.5
16QAM		12	6	23.24	1	24.5	
		12	13	23.08	1	24.5	
		25	0	23.18	1	24.5	
		1	0	23.26	1	24.5	
		1	12	23.22	1	24.5	
64QAM		1	24	23.12	1	24.5	
		12	0	22.20	2	23.5	
		12	6	22.11	2	23.5	
		12	13	22.06	2	23.5	
		25	0	22.12	2	23.5	

LTE Band 26								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	26755	26855		26955
		Frequency (MHz)		821.5	831.5	841.5		
15M	QPSK	1	0	23.55	23.62	23.56	25	
		1	37	23.72	23.82	23.74	25	
		1	74	23.70	23.82	23.70	25	
		36	0	22.84	22.90	22.77	24.5	
		36	19	22.72	23.02	22.92	24.5	
	16QAM	36	39	22.90	22.95	22.94	24.5	
		75	0	22.98	22.96	22.81	24.5	
		1	0	23.10	23.09	23.03	24.5	
		1	37	23.16	23.26	23.20	24.5	
		1	74	23.02	23.13	23.14	24.5	
	64QAM	36	0	22.07	22.08	22.30	23.5	
		36	19	22.19	22.10	22.08	23.5	
		36	39	21.89	22.13	22.01	23.5	
		75	0	22.02	22.13	22.19	23.5	
		1	0	21.98	21.83	21.91	23.5	
	10M	QPSK	1	37	21.97	22.01	22.08	23.5
			1	74	21.97	21.86	21.90	23.5
			36	0	21.03	20.87	21.03	22.5
			36	19	21.04	21.09	20.85	22.5
			36	39	21.15	21.02	21.31	22.5
16QAM		75	0	20.98	21.11	21.04	22.5	
		1	0	23.52	23.56	23.48	25	
		1	24	23.72	23.81	23.72	25	
		1	49	23.62	23.61	23.60	25	
		25	0	22.73	22.84	22.73	24.5	
64QAM		25	12	22.62	23.00	22.86	24.5	
		25	25	21.78	22.02	21.89	24.5	
		50	0	21.95	22.06	22.18	23.5	
		1	0	21.96	21.82	21.87	23.5	
		1	24	21.90	21.90	21.97	23.5	
5M		QPSK	1	49	21.86	21.79	21.89	23.5
			25	0	20.93	20.77	21.02	22.5
			25	12	20.93	21.07	20.75	22.5
			25	25	21.12	20.95	21.29	22.5
			50	0	20.92	21.00	20.95	22.5
	16QAM	1	0	23.46	23.61	23.46	25	
		1	12	23.69	23.71	23.71	25	
		1	24	23.65	23.61	23.64	25	
		12	0	22.83	22.86	22.72	24.5	
		12	6	22.60	22.91	22.86	24.5	
	64QAM	12	13	22.84	22.87	22.91	24.5	
		25	0	22.88	22.91	22.69	24.5	
		1	0	23.09	22.99	22.91	24.5	
		1	12	23.06	23.16	23.20	24.5	
		1	24	22.97	23.06	23.07	24.5	
	1.4M	QPSK	12	0	21.98	21.98	22.23	23.5
			12	6	22.07	22.00	22.07	23.5
			12	13	21.79	22.01	21.99	23.5
			25	0	21.97	22.06	22.17	23.5
			1	0	21.98	21.83	21.85	23.5
16QAM		1	12	21.95	21.99	22.07	23.5	
		1	24	21.95	21.77	21.88	23.5	
		12	0	20.99	20.84	20.98	22.5	
		12	6	20.94	21.00	20.73	22.5	
		12	13	21.03	20.94	21.19	22.5	
64QAM		25	0	20.97	21.01	20.95	22.5	
		1	0	23.51	23.62	23.52	25	
		1	7	23.63	23.74	23.63	25	
		1	14	23.63	23.58	23.61	25	
		8	0	22.73	22.86	22.72	24.5	
1.4M		QPSK	8	3	22.71	22.98	22.81	24.5
			8	7	22.89	22.93	22.90	24.5
			15	0	22.98	22.90	22.74	24.5
			1	0	23.08	22.98	22.96	24.5
			1	7	23.10	23.16	23.10	24.5
	16QAM	1	14	23.00	23.05	23.02	24.5	
		8	0	21.99	22.03	22.19	23.5	
		8	3	22.15	22.01	22.05	23.5	
		8	7	21.86	22.13	21.91	23.5	
		15	0	22.01	22.12	22.08	23.5	
	64QAM	1	0	21.91	21.74	21.89	23.5	
		1	7	21.92	21.98	22.00	23.5	
		1	14	21.96	21.83	21.89	23.5	
		8	0	20.95	20.87	20.98	22.5	
		8	3	21.01	21.00	20.79	22.5	
	1.4M	QPSK	8	7	21.13	20.92	21.23	22.5
			15	0	20.97	21.04	21.04	22.5
			1	0	23.52	23.59	23.45	25
			1	2	23.71	23.77	23.63	25
			1	5	23.62	23.54	23.69	25
16QAM		3	0	23.30	23.36	23.16	25	
		3	1	23.20	23.40	23.38	25	
		3	3	23.28	23.36	23.43	25	
		6	0	22.92	22.95	22.69	24.5	
		1	0	23.01	23.07	22.91	24.5	
64QAM		1	2	23.05	23.24	23.11	24.5	
		1	5	22.95	23.10	23.12	24.5	
		3	0	22.57	22.55	22.72	24.5	
		3	1	22.62				

LTE Band 38							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Throughput (dBm)
		Channel	Channel	Channel	Channel	Channel	
QPSK	QPSK	1	0	20.63	20.56	20.53	22
		1	50	20.83	20.73	20.70	22
		1	99	20.99	20.89	20.87	22
		50	0	20.58	20.51	20.40	22
		50	25	20.83	20.66	20.61	22
		50	50	20.57	20.53	20.56	22
		100	0	20.60	20.62	20.64	22
		1	0	20.50	20.49	20.52	22
		1	50	20.70	20.59	20.59	22
		1	99	20.84	20.83	20.84	22
16QAM	16QAM	50	0	20.45	20.58	20.41	22
		50	25	20.57	20.51	20.42	22
		50	50	20.61	20.53	20.65	22
		100	0	20.67	20.74	20.75	22
		1	0	20.48	20.48	20.40	22
		1	50	20.61	20.58	20.54	22
		1	99	20.52	20.42	20.50	22
		50	0	20.34	20.30	20.10	22
		50	25	20.59	20.51	20.51	22
		50	50	20.22	20.51	20.37	22
64QAM	64QAM	100	0	20.54	20.54	20.56	22
		Channel	3932	3936	3917	Max. Throughput (dBm)	
		Frequency (MHz)	2977.6	2986	2976.6		
		1	0	20.54	20.53	20.43	22
		1	37	20.74	20.65	20.69	22
		1	74	20.53	20.65	20.56	22
		38	0	20.48	20.47	20.29	22
		38	19	20.58	20.56	20.59	22
		38	39	20.55	20.49	20.54	22
		75	0	20.61	20.43	20.51	22
15M	16QAM	1	0	20.39	20.43	20.51	22
		1	37	20.59	20.49	20.48	22
		1	74	20.51	20.48	20.36	22
		38	0	20.54	20.34	20.24	22
		38	19	20.55	20.46	20.39	22
		38	39	20.58	20.44	20.42	22
		75	0	20.46	20.46	20.22	22
		1	0	20.40	20.39	20.34	22
		1	37	20.57	20.51	20.48	22
		1	74	20.49	20.36	20.46	22
64QAM	64QAM	38	0	20.31	20.18	20.06	22
		38	19	20.53	20.47	20.39	22
		38	39	20.52	20.41	20.30	22
		75	0	20.50	20.40	20.50	22
		Channel	3936	3936	3936	Max. Throughput (dBm)	
		Frequency (MHz)	2977.6	2976	2976		
		1	24	20.78	20.70	20.65	22
		1	49	20.54	20.60	20.53	22
		25	0	20.55	20.46	20.32	22
		25	12	20.67	20.65	20.67	22
25	25	20.54	20.53	20.52	22		
50	0	20.48	20.50	20.53	22		
1	0	20.40	20.43	20.42	22		
1	24	20.60	20.55	20.48	22		
1	49	20.44	20.43	20.41	22		
25	0	20.36	20.50	20.39	22		
25	12	20.53	20.40	20.41	22		
25	25	20.50	20.43	20.59	22		
50	0	20.65	20.63	20.74	22		
1	0	20.38	20.37	20.33	22		
1	24	20.58	20.67	20.44	22		
1	49	20.51	20.57	20.40	22		
25	0	20.34	20.33	20.00	22		
25	12	20.48	20.50	20.50	22		
25	25	20.22	20.42	20.36	22		
50	0	20.48	20.42	20.48	22		
Channel	3936	3936	3936	Max. Throughput (dBm)			
Frequency (MHz)	2977.6	2976	2976				
1	0	20.60	20.48	20.43	22		
1	12	20.78	20.68	20.74	22		
1	24	20.48	20.67	20.48	22		
12	0	20.48	20.51	20.34	22		
12	6	20.59	20.61	20.54	22		
12	13	20.59	20.69	20.60	22		
1	0	20.53	20.59	20.61	22		
1	0	20.42	20.38	20.49	22		
1	12	20.63	20.46	20.46	22		
1	24	20.44	20.49	20.37	22		
12	0	20.44	20.51	20.30	22		
12	6	20.48	20.49	20.32	22		
12	13	20.56	20.50	20.58	22		
1	0	20.63	20.63	20.66	22		
1	0	20.46	20.38	20.34	22		
1	12	20.65	20.56	20.43	22		
1	24	20.48	20.37	20.38	22		
12	0	20.39	20.21	20.02	22		
12	6	20.44	20.40	20.44	22		
12	13	20.17	20.40	20.36	22		
25	0	20.52	20.48	20.50	22		

LTE Band 41 (2486 - 2600MHz)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Throughput (dBm)	
		Channel	Channel	Channel	Channel	Channel		
QPSK	QPSK	1	0	20.65	20.63	20.57	20.66	
		1	50	20.81	20.68	20.64	20.77	
		1	99	20.61	20.54	20.37	20.45	
		50	0	20.57	20.42	20.48	20.55	
		50	25	20.62	20.58	20.53	20.60	
		50	50	20.66	20.48	20.51	20.51	
		100	0	20.71	20.53	20.67	20.65	
		1	0	20.34	20.30	20.24	20.27	
		1	50	20.59	20.54	20.48	20.50	
		1	99	20.52	20.48	20.45	20.46	
16QAM	16QAM	50	0	20.45	20.32	20.35	20.51	
		50	25	20.50	20.36	20.34	20.52	
		50	50	20.54	20.45	20.45	20.37	
		100	0	20.70	20.68	20.58	20.75	
		1	0	20.28	20.20	20.17	20.20	
		1	50	20.42	20.41	20.38	20.19	
		1	99	20.17	20.29	20.11	20.43	
		50	0	20.21	20.28	20.43	20.32	
		50	25	20.42	20.44	20.27	20.27	
		50	50	20.39	20.38	20.30	20.41	
64QAM	64QAM	100	0	20.31	20.44	20.50	20.35	
		Channel	3975	4073	4020	4100	4195	Max. Throughput (dBm)
		Frequency (MHz)	2686.5	2686.5	2686	2675.5	2682.5	
		1	0	20.57	20.59	20.50	20.54	20.56
		1	37	20.80	20.56	20.59	20.71	22
		1	74	20.46	20.45	20.27	20.41	20.52
		38	0	20.51	20.31	20.40	20.48	20.48
		38	19	20.58	20.58	20.48	20.51	20.57
		38	39	20.55	20.34	20.49	20.38	20.48
		75	0	20.61	20.49	20.50	20.39	20.37
15M	16QAM	1	0	20.30	20.29	20.18	20.24	
		1	37	20.54	20.47	20.42	20.44	
		1	74	20.29	20.02	20.17	20.13	
		38	0	20.46	20.27	20.43	20.38	
		38	19	20.41	20.34	20.28	20.51	
		38	39	20.46	20.41	20.19	20.35	
		75	0	20.46	20.46	20.20	20.20	
		1	0	20.22	20.12	20.07	20.00	
		1	37	20.34	20.38	20.26	20.08	
		1	74	20.27	20.29	20.24	20.13	
64QAM	64QAM	38	0	20.13	20.26	20.34	20.20	
		38	19	20.33	20.38	20.22	20.30	
		38	39	20.25	20.30	20.32	20.31	
		75	0	20.21	20.40	20.35	20.30	
		Channel	3970	4060	4020	4100	4160	Max. Throughput (dBm)
		Frequency (MHz)	2681	2687	2685	2670	2685	
		1	49	20.54	20.52	20.34	20.54	
		25	0	20.51	20.38	20.40	20.48	
		25	12	20.60	20.61	20.48	20.50	
		25	25	20.48	20.39	20.37	20.43	
50	0	20.60	20.52	20.61	20.58			
1	0	20.27	20.31	20.23	20.18			
1	24	20.55	20.50	20.48	20.48			
1	49	20.20	19.98	20.11	20.04			
25	0	20.36	20.39	20.24	20.41			
25	12	20.45	20.30	20.22	20.44			
25	25	20.44	20.48	20.27	20.35			
50	0	20.62	20.62	20.55	20.66			
1	0	20.25	20.06	20.15	20.00			
1	24	20.39	20.41	20.32	20.15			
1	49	20.13	20.25	19.99	20.40			
25	0	20.32	20.32	20.38	20.37			
25	12	20.41	20.33	20.18	20.17			
25	25	20.20	20.34	20.28	20.30			
50	0	20.29	20.42	20.49	20.33			
Channel	3970	4060	4020	4100	4160	Max. Throughput (dBm)		
Frequency (MHz)	2681.5	2681.5	2685	2687.5	2687.5			
1	0	20.58	20.62	20.48	20.54			
1	12	20.73	20.67	20.62	20.71			
1	24	20.45	20.46	20.28	20.50			
12	0	20.48	20.41	20.38	20.44			
12	6	20.59	20.57	20.42	20.54			
12	13	20.47	20.38	20.32	20.43			
1	0	20.61	20.43	20.58	20.62			
1	0	20.31	20.23	20.14	20.23			
1	12	20.60	20.43	20.45	20.40			
1	24	20.27	20.00	20.16	20.12			
12	0	20.38	20.20	20.34	20.48			
12	6	20.47	20.27	20.33	20.44			
12	13	20.52	20.39	20.17	20.41			
25	0	20.68	20.58	20.54	20.74			
1	0	20.22	20.11	20.08	20.17			
1	12	20.36	20.36	20.29	20.09			
1	24	20.07	20.05	20.32	20.18			
12	0	20.14	20.23	20.36	20.31			
12	6	20.32	20.32	20.23	20.21			
12	13	20.20	20.38	20.30	20.39			
25	0	20.28	20.39	20.40	20.32			

LTE Band 66							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Throughput (dBm)
		Channel	Channel	Channel	Channel		

WWAN DSI-4 Power_Ant1(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	32.19	32.25	32.23	33.50	28.58	28.42	28.50	29.50	
GPRS 1Tx Slot	32.17	32.24	32.21	33.50	28.57	28.40	28.48	29.50	
GPRS 2Tx Slot	31.44	31.51	31.49	32.50	26.73	26.60	26.69	28.00	
GPRS 3Tx Slot	29.70	29.77	29.78	30.50	25.29	25.12	25.22	26.00	
GPRS 4Tx Slot	28.58	28.66	28.67	29.50	24.23	24.06	24.15	25.00	
EDGE 1Tx Slot	25.66	25.51	25.75	28.00	26.51	25.80	26.11	27.00	
EDGE 2Tx Slot	22.56	22.25	22.48	25.00	22.89	22.48	22.77	24.00	
EDGE 3Tx Slot	20.07	19.92	19.84	23.00	20.64	20.36	20.35	22.00	
EDGE 4Tx Slot	18.84	18.54	18.71	22.00	19.49	19.17	19.42	21.00	

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
	Channel	128	189		251	512	661	
GSM	23.19	23.25	23.23	24.50	19.58	19.42	19.50	20.50
GPRS 1Tx Slot	23.17	23.24	23.21	24.50	19.57	19.40	19.48	20.50
GPRS 2Tx Slot	25.44	25.51	25.49	26.50	20.73	20.60	20.69	22.00
GPRS 3Tx Slot	25.44	25.51	25.52	26.24	21.03	20.86	20.96	21.74
GPRS 4Tx Slot	25.58	25.66	25.67	26.50	21.23	21.06	21.15	22.00
EDGE 1Tx Slot	16.66	16.51	16.75	19.00	17.51	16.80	17.11	18.00
EDGE 2Tx Slot	16.56	16.25	16.48	19.00	16.89	16.48	16.77	18.00
EDGE 3Tx Slot	15.81	15.66	15.58	18.74	16.38	16.10	16.09	17.74
EDGE 4Tx Slot	15.84	15.54	15.71	19.00	16.49	16.17	16.42	18.00

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	1312	1413		1513	Max. Tune-up Power (dBm)	4132	
Rx Channel	9662	9800	9938		1537	1638	1738		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	19.88	20.00	19.95	21.00	17.83	17.98	17.80	19.00	24.26	24.29	24.25	25.50
HSDPA Subtest-1	18.91	19.01	18.89	19.00	17.01	16.96	16.84	17.00	23.24	23.32	23.20	23.50
HSDPA Subtest-2	18.93	18.86	18.85	19.00	16.96	17.00	16.95	17.00	23.29	23.25	23.16	23.50
HSDPA Subtest-3	17.97	17.93	17.90	19.00	16.09	15.94	15.91	17.00	22.23	22.33	22.21	23.50
HSDPA Subtest-4	17.96	17.88	17.86	19.00	16.03	15.88	15.85	17.00	22.26	22.27	22.19	23.50
DC-HSDPA Subtest-1	18.94	18.90	18.98	19.00	16.95	16.96	16.97	17.00	23.22	23.34	23.26	23.50
DC-HSDPA Subtest-2	18.94	18.91	18.87	19.00	17.05	16.95	16.95	17.00	23.24	23.26	23.21	23.50
DC-HSDPA Subtest-3	17.96	17.89	17.91	19.00	16.05	15.98	15.93	17.00	22.27	22.31	22.24	23.50
DC-HSDPA Subtest-4	17.92	17.97	17.91	19.00	16.09	16.04	15.85	17.00	22.23	22.32	22.24	23.50
HSUPA Subtest-1	16.97	16.89	16.93	18.00	15.01	15.01	14.86	16.00	21.75	21.77	21.70	22.50
HSUPA Subtest-2	16.84	16.94	16.87	18.00	15.02	14.93	14.90	16.00	21.25	21.34	21.20	22.50
HSUPA Subtest-3	17.94	17.94	17.86	18.00	15.97	15.93	15.98	16.00	22.21	22.25	22.24	22.50
HSUPA Subtest-4	16.48	16.41	16.41	18.00	14.52	14.39	14.47	16.00	20.79	20.84	20.66	22.50
HSUPA Subtest-5	17.97	17.95	17.89	18.00	16.06	15.97	15.99	16.00	22.24	22.31	22.17	22.50
HSPA+ Subtest-1	16.87	16.98	16.99	18.00	15.05	15.03	14.96	16.00	21.30	21.35	21.21	22.50

LTE Band 7							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)
		Channel	Frequency (MHz)	2010	2015	2020	
10M	QPSK	1	0	19.37	19.46	19.50	21
		1	50	19.38	19.48	19.53	21
		1	99	19.81	19.85	19.70	21
		50	0	19.58	19.50	19.62	21
		50	25	19.55	19.54	19.62	21
		50	50	19.42	19.59	19.54	21
		100	0	19.47	19.53	19.52	21
		1	0	19.31	19.37	19.31	21
		1	50	19.62	19.59	19.62	21
		1	99	19.43	19.46	19.43	21
20M	16QAM	1	0	19.46	19.45	19.39	21
		50	25	19.49	19.55	19.58	21
		50	50	19.43	19.48	19.39	21
		100	0	19.51	19.55	19.52	21
		1	0	19.26	19.39	19.29	21
		1	50	19.81	19.62	19.50	21
		1	99	19.37	19.61	19.54	21
		50	0	19.18	19.12	19.09	21
		50	25	19.58	19.62	19.53	21
		100	0	19.24	19.39	19.26	21
30M	64QAM	Channel	2022	2100	2175	Max. Time-up (dBm)	
		Frequency (MHz)	2012	2091	2062		
		1	0	19.36	19.41	19.24	21
		1	37	19.85	19.59	19.76	21
		1	74	19.60	19.96	19.64	21
		38	0	19.96	19.41	19.95	21
		38	19	19.48	19.48	19.55	21
		38	38	19.40	19.55	19.44	21
		75	0	19.43	19.43	19.43	21
		1	0	19.31	19.34	19.28	21
40M	16QAM	1	0	19.39	19.50	19.34	21
		1	74	19.41	19.41	19.41	21
		38	0	19.41	19.33	19.32	21
		38	19	19.48	19.46	19.50	21
		38	38	19.41	19.46	19.39	21
		75	0	19.45	19.52	19.46	21
		1	0	19.25	19.36	19.18	21
		1	37	19.81	19.49	19.49	21
		1	74	19.34	19.58	19.54	21
		38	0	19.46	19.43	19.43	21
50M	64QAM	Channel	2022	2100	2175	Max. Time-up (dBm)	
		Frequency (MHz)	2012	2091	2062		
		1	0	19.25	19.36	19.18	21
		1	37	19.81	19.49	19.49	21
		1	74	19.34	19.58	19.54	21
		38	0	19.46	19.43	19.43	21
		38	19	19.48	19.46	19.50	21
		38	38	19.41	19.46	19.39	21
		75	0	19.45	19.52	19.46	21
		1	0	19.25	19.36	19.18	21
60M	64QAM	Channel	2022	2100	2175	Max. Time-up (dBm)	
		Frequency (MHz)	2012	2091	2062		
		1	0	19.26	19.39	19.21	21
		1	12	19.62	19.58	19.68	21
		1	24	19.60	19.66	19.68	21
		12	0	19.55	19.39	19.57	21
		12	6	19.48	19.43	19.61	21
		12	13	19.37	19.57	19.42	21
		25	0	19.46	19.52	19.44	21
		1	0	19.25	19.33	19.30	21
70M	16QAM	Channel	2022	2100	2175	Max. Time-up (dBm)	
		Frequency (MHz)	2012	2091	2062		
		1	0	19.39	19.34	19.26	21
		1	24	19.51	19.58	19.52	21
		1	49	19.36	19.41	19.33	21
		25	0	19.41	19.39	19.39	21
		25	12	19.45	19.53	19.56	21
		25	25	19.34	19.38	19.27	21
		50	0	19.45	19.54	19.49	21
		1	0	19.17	19.29	19.27	21
80M	64QAM	Channel	2022	2100	2175	Max. Time-up (dBm)	
		Frequency (MHz)	2012	2091	2062		
		1	0	19.39	19.50	19.48	21
		1	49	19.30	19.57	19.42	21
		25	0	19.15	19.02	18.98	21
		25	12	19.51	19.57	19.43	21
		25	25	19.51	19.54	19.18	21
		50	0	19.23	19.37	19.19	21
		1	0	19.18	19.29	19.20	21
		1	12	19.60	19.58	19.40	21
90M	64QAM	Channel	2022	2100	2175	Max. Time-up (dBm)	
		Frequency (MHz)	2012	2091	2062		
		1	0	19.27	19.55	19.52	21
		12	0	19.09	19.11	19.09	21
		12	6	19.52	19.54	19.45	21
		12	13	19.51	19.21	19.20	21
		25	0	19.19	19.38	19.15	21

LTE Band 13							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)
		Channel	Frequency (MHz)	2102	2102	2102	
10M	QPSK	1	0	24.12	24.12	24.12	21
		1	24	24.08	24.08	24.08	21
		1	49	24.08	24.08	24.08	21
		25	0	23.23	23.23	23.23	21
		25	12	23.27	23.27	23.27	21
		25	25	23.18	23.18	23.18	21
		50	0	23.20	23.20	23.20	21
		1	0	23.30	23.30	23.30	21
		1	24	23.28	23.28	23.28	21
		1	49	23.21	23.21	23.21	21
20M	16QAM	1	0	23.20	23.20	23.20	21
		1	49	23.21	23.21	23.21	21
		25	0	22.22	22.22	22.22	21
		25	12	22.22	22.22	22.22	21
		25	25	22.18	22.18	22.18	21
		50	0	22.19	22.19	22.19	21
		1	0	22.18	22.18	22.18	21
		1	24	22.25	22.25	22.25	21
		1	49	22.20	22.20	22.20	21
		25	0	21.05	21.05	21.05	21
30M	64QAM	Channel	2102	2102	2102	Max. Time-up (dBm)	
		Frequency (MHz)	2102	2102	2102		
		1	0	21.18	21.18	21.18	21
		1	24	21.25	21.25	21.25	21
		1	49	21.20	21.20	21.20	21
		25	0	21.05	21.05	21.05	21
		25	12	21.32	21.32	21.32	21
		25	25	20.99	20.99	20.99	21
		50	0	21.18	21.18	21.18	21
		1	0	21.19	21.19	21.19	21
40M	16QAM	Channel	2102	2102	2102	Max. Time-up (dBm)	
		Frequency (MHz)	2102	2102	2102		
		1	0	24.10	24.06	24.06	21
		1	12	24.26	24.26	24.27	21
		1	24	24.03	24.03	24.06	21
		12	0	23.18	23.13	23.22	21
		12	6	23.24	23.15	23.20	21
		12	13	23.08	23.13	23.11	21
		25	0	23.18	23.13	23.15	21
		1	0	23.28	23.28	23.21	21
50M	16QAM	Channel	2102	2102	2102	Max. Time-up (dBm)	
		Frequency (MHz)	2102	2102	2102		
		1	0	23.22	23.25	23.22	21
		1	12	23.12	23.11	23.11	21
		1	24	23.12	23.11	23.11	21
		12	0	22.20	22.15	22.14	21
		12	6	22.20	22.15	22.14	21
		12	13	22.10	22.10	22.10	21
		25	0	22.15	22.15	22.08	21
		25	0	22.12	22.04	22.08	21
60M	64QAM	Channel	2102	2102	2102	Max. Time-up (dBm)	
		Frequency (MHz)	2102	2102	2102		
		1	0	22.15	22.09	22.11	21
		1	12	22.04	22.00	22.01	21
		1	24	22.15	22.11	22.12	21
		12	0	21.06	21.06	21.06	21
		12	6	21.25	21.24	21.30	21
		12	13	20.98	20.90	20.90	21
		25	0	21.10	21.16	21.13	21

LTE Band 26							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)
		Channel	Frequency (MHz)	2415	2415	2415	
10M	QPSK	1	0	24.05	24.12	24.06	21
		1	37	24.22	24.22	24.24	21
		1	74	24.20	24.12	24.20	21
		38	0	23.04	23.10	22.87	21
		38	9	23.02	23.02	23.12	21
		38	19	23.10	23.15	23.14	21
		75	0	23.18	23.16	23.01	21
		1	0	23.13	23.09	23.01	21
		1	37	23.10	23.20	23.20	21
		1	74	23.02	23.13	23.14	21
20M	16QAM	1	0	23.07	23.08	23.06	21
		38	19	23.09	23.13	23.01	21
		38	38	23.18	23.13	23.01	21
		75	0	23.08	23.12	23.18	21
		1	0	23.06	23.01	23.01	21
		1	37	23.07	23.07	23.08	21
		1	74	23.07	23.01	23.08	21
		38	0	23.03	23.07	23.03	21
		38	19	23.04	23.09	23.05	21
		75	0	23.08	23.11	23.04	21
30M	64QAM	Channel	2415	2415	2415	Max. Time-up (dBm)	
		Frequency (MHz)	2415	2415	2415		
		1	0	23.95	24.04	23.98	21
		1	12	24.10	24.24	24.12	21
		1	24	24.16	24.00	24.18	21
		12	0	22.97	23.03	22.94	21
		12	6	22.84	23.14	23.07	21
		12	13	23.00	23.04	23.06	21
		25	0	23.13	23.09	23.01	21
		1	0	23.08	23.09	23.02	21
40M	16QAM	Channel	2415	2415	2415	Max. Time-up (dBm)	
		Frequency (MHz)	2415	2415	2415		
		1	0	23.09	23.11	23.12	21
		1	24	23.00	23.11	23.12	21
		12	0	22.02	22.00	22.02	21
		12	6	22.17	22.09	22.02	21
		1					

LTE Band 38										
BW	Modulation	RB Size		Low	Mid	High	Max. Throughput (dBm)	Max. Throughput (dBm)	Max. Throughput (dBm)	
		RB Offset	RB Offset							
10M	QPSK	Channel		2550	2550	2550	2550	2550	2550	
		Frequency (MHz)		2550	2550	2550	2550	2550	2550	2550
		1	0	22.21	22.14	22.11	23.5			
		1	0	22.26	22.19	22.16	23.5			
		1	0	22.31	22.24	22.21	23.5			
		50	0	21.96	21.85	21.87	23.5			
		50	0	22.06	21.95	21.98	23.5			
		50	0	22.16	22.05	22.08	23.5			
		50	0	22.26	22.15	22.18	23.5			
		100	0	22.26	22.18	22.11	23.5			
20M	16QAM	Channel		2100	2100	2100	2100	2100	2100	
		Frequency (MHz)		2100	2100	2100	2100	2100	2100	
		1	0	21.81	21.86	21.76	23.5			
		1	0	21.91	21.86	21.76	23.5			
		1	0	22.01	21.96	21.86	23.5			
		50	0	21.56	21.56	21.56	23.5			
		50	0	21.66	21.66	21.66	23.5			
		50	0	21.76	21.76	21.76	23.5			
		50	0	21.86	21.86	21.86	23.5			
		100	0	22.07	22.13	21.92	23.5			
40M	64QAM	Channel		1500	1500	1500	1500	1500	1500	
		Frequency (MHz)		1500	1500	1500	1500	1500	1500	
		1	0	22.07	22.13	21.92	23.5			
		1	0	22.17	22.11	22.16	23.5			
		1	0	22.27	22.21	22.26	23.5			
		50	0	21.05	20.98	20.90	22.5			
		50	0	21.15	21.08	21.00	22.5			
		50	0	21.25	21.18	21.10	22.5			
		50	0	21.35	21.28	21.20	22.5			
		100	0	20.98	21.30	21.19	22.5			

LTE Band 41 (2486 - 2680MHz)									
BW	Modulation	RB Size		Low	Low Mid	Mid	High Mid	High	Max. Throughput (dBm)
		RB Offset	RB Offset						
10M	QPSK	Channel		2050	2050	2050	2050	2050	2050
		Frequency (MHz)		2050	2050	2050	2050	2050	2050
		1	0	22.10	21.96	21.97	22.09	22.11	23.5
		1	0	22.20	22.13	22.18	22.19	22.10	23.5
		1	0	22.30	22.23	22.28	22.29	22.20	23.5
		36	0	21.80	21.70	21.76	21.93	21.94	23.5
		36	0	21.90	21.84	21.71	21.98	21.81	23.5
		36	19	21.97	21.95	21.82	21.85	21.93	23.5
		36	38	21.96	21.79	21.76	21.85	21.75	23.5
		75	0	22.04	21.83	21.83	21.83	21.83	23.5
15M	16QAM	Channel		1500	1500	1500	1500	1500	1500
		Frequency (MHz)		1500	1500	1500	1500	1500	1500
		1	0	21.71	21.57	21.64	21.84	21.82	23.5
		1	0	21.81	21.66	21.76	21.83	21.91	23.5
		1	0	21.91	21.76	21.86	21.93	21.91	23.5
		36	0	21.59	21.79	21.69	21.81	21.90	23.5
		36	19	22.00	21.85	21.71	21.88	22.08	23.5
		36	38	21.84	21.89	21.81	21.81	21.96	23.5
		75	0	22.11	21.78	21.83	22.08	22.08	23.5
		1	0	21.80	21.73	21.65	21.69	21.74	23.5
20M	64QAM	Channel		1050	1050	1050	1050	1050	1050
		Frequency (MHz)		1050	1050	1050	1050	1050	1050
		1	0	21.72	21.73	21.72	21.81	21.81	23.5
		1	0	21.82	21.81	21.81	21.81	21.81	23.5
		1	0	21.92	21.91	21.91	21.91	21.91	23.5
		36	0	20.94	20.83	20.84	21.01	20.89	22.5
		36	39	20.97	20.85	20.84	20.99	21.19	22.5
		75	0	21.87	21.69	21.67	21.60	21.64	22.5
		1	0	22.07	21.98	21.97	22.09	22.13	23.5
		1	0	22.17	22.10	22.15	22.16	22.10	23.5
30M	QPSK	Channel		700	700	700	700	700	700
		Frequency (MHz)		700	700	700	700	700	700
		1	0	22.01	21.88	21.87	21.94	21.97	23.5
		1	0	22.11	21.98	21.97	22.00	21.92	23.5
		1	0	22.21	22.08	22.07	22.10	22.02	23.5
		25	12	22.04	21.91	21.82	21.82	21.89	23.5
		25	25	21.90	21.75	21.82	21.80	21.87	23.5
		50	0	22.03	21.92	21.95	21.92	22.09	23.5
		1	0	21.76	21.81	21.80	21.79	21.79	23.5
		1	0	21.86	21.86	21.86	21.86	21.86	23.5
40M	16QAM	Channel		500	500	500	500	500	500
		Frequency (MHz)		500	500	500	500	500	500
		1	0	21.74	21.72	21.72	21.81	21.81	23.5
		1	0	21.84	21.83	21.83	21.83	21.83	23.5
		1	0	21.94	21.93	21.93	21.93	21.93	23.5
		25	12	21.93	21.93	21.93	21.86	22.02	23.5
		25	25	21.90	21.78	21.82	21.77	21.97	23.5
		50	0	22.11	21.75	21.82	22.05	22.05	23.5
		1	0	21.84	21.71	21.68	21.80	21.86	23.5
		1	0	21.94	21.89	21.94	21.91	21.90	23.5
60M	64QAM	Channel		350	350	350	350	350	350
		Frequency (MHz)		350	350	350	350	350	350
		1	0	21.79	21.86	21.76	21.83	21.87	23.5
		1	0	21.89	21.87	21.87	21.87	21.87	23.5
		1	0	21.99	21.97	21.97	21.97	21.97	23.5
		25	12	20.96	20.83	20.89	20.97	20.95	22.5
		25	25	20.92	20.81	20.89	21.02	21.14	22.5
		50	0	20.97	21.00	21.11	20.99	20.94	22.5
		1	0	22.08	22.05	21.97	22.04	22.10	23.5
		1	0	22.18	22.15	22.13	22.25	22.25	23.5
80M	QPSK	Channel		250	250	250	250	250	250
		Frequency (MHz)		250	250	250	250	250	250
		1	0	21.89	21.79	21.73	22.02	21.81	23.5
		12	6	22.02	21.96	21.78	21.92	21.93	23.5
		12	13	21.90	21.71	21.80	21.74	21.77	23.5
		25	0	22.08	21.93	21.97	21.90	22.10	23.5
		1	0	21.83	21.86	21.73	21.65	21.73	23.5
		1	0	21.93	21.78	21.72	21.76	21.86	23.5
		1	0	22.03	21.88	21.82	21.86	21.96	23.5
		12	6	22.02	21.87	21.80	21.81	22.00	23.5
100M	16QAM	Channel		175	175	175	175	175	175
		Frequency (MHz)		175	175	175	175	175	175
		1	0	21.86	21.80	21.45	21.84	21.59	23.5
		12	0	21.94	21.75	21.89	21.75	21.96	23.5
		12	6	22.02	21.87	21.80	21.81	22.00	23.5
		12	13	22.01	21.78	21.83	21.84	22.00	23.5
		25	0	22.26	21.77	21.90	21.96	22.06	23.5
		1	0	21.86	21.82	21.59	21.71	21.85	23.5
		1	0	21.96	21.89	22.01	21.89	21.83	23.5
		1	0	22.06	21.88	21.73	21.84	21.83	23.5
120M	64QAM	Channel		125	125	125	125	125	125
		Frequency (MHz)		125	125	125	125	125	125
		1	0	20.93	21.07	20.87	20.95	21.03	22.5
		25	12	20.96	20.83	20.89	20.97	20.95	22.5
		25	25	20.92	20.81	20.89	21.02	21.14	22.5
		50	0	20.97	21.00	21.11	20.99	20.94	22.5
		1	0	22.08	22.05	21.97	22.04	22.10	23.5
		1	0	22.18	22.15	22.13	22.25	22.25	23.5
		1	0	22.28	22.25	22.23	22.35	22.35	23.5
		1	0	22.38	22.35	22.33	22.45	22.45	23.5

LTE Band 66									
BW	Modulation	RB Size		Low	Mid	High	Max. Throughput (dBm)	Max. Throughput (dBm)	Max. Throughput (dBm)
		RB Offset	RB Offset						
10M	QPSK	Channel		1200	1200	1200	1200	1200	1200
		Frequency (MHz)		1200	1200	1200	1200	1200	1200
		1	0	17.73	17.77	17.65	19		
		1	0	17.83	17.87	17.75	19		
		1	0	17.93	17.97	17.85	19		
		50	0	17.73	17.77	17.65	19		
		50	0	17.83	17.87	17.75	19		
		50	0	17.93	17.97	17.85	19		
		100	0	17.73	17.77	17.65	19		
		100	0	17.83	17.87	17.75	19		
20M	16QAM	Channel		800	800	800	800	800	800
		Frequency (MHz)		800	800	800	800	800	800
		1	0	17.73	17.77	17.65	19		
		1	0	17.83	17.87	17.75	19		
		1	0	17.93	17.97	17.85	19		
		50	0	17.73	17.77	17.65	19		
		50	0	17.83	17.87	17.75	19		
		50	0	17.93	17.97	17.85	19		
		100	0	17.73	17.77	17.65	19		
		100	0	17.83	17.87	17.75	19		
30M	64QAM	Channel		500	500				

WLAN DSI-2&Full 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	18.19	19.50	18.0
		6	2437	19.14	20.50	18.5
		11	2462	19.20	20.50	18.5
	802.11g 6Mbps	1	2412	18.40	19.50	18.0
		6	2437	18.11	19.50	18.5
		11	2462	17.26	19.50	16.5
	802.11n-HT20 MCS0	1	2412	18.30	19.50	18.0
		6	2437	17.95	19.50	17.5
		11	2462	18.12	19.50	17.5

5GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	36	5180	14.36	15.50	13.5
		40	5200	14.24	15.50	13.5
		44	5220	14.39	15.50	13.5
		48	5240	14.44	15.50	13.5
	802.11n-HT20 MCS0	36	5180	14.18	15.50	13.5
		40	5200	14.24	15.50	13.5
		44	5220	14.22	15.50	13.5
		48	5240	14.29	15.50	13.5
	802.11n-HT40 MCS0	38	5190	14.23	15.50	13.5
		46	5230	14.22	15.50	13.5
	802.11ac-VHT20 MCS0	36	5180	14.12	15.50	13.5
		40	5200	14.22	15.50	13.5
		44	5220	14.18	15.50	13.5
		48	5240	14.22	15.50	13.5
	802.11ac-VHT40 MCS0	38	5190	14.29	15.50	13.5
		46	5230	14.25	15.50	13.5
	802.11ac-VHT80 MCS0	42	5210	13.72	15.00	13.0

5GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	52	5260	14.27	15.50	13.5
		56	5280	14.25	15.50	13.5
		60	5300	14.30	15.50	13.5
		64	5320	14.41	15.50	13.5
	802.11n-HT20 MCS0	52	5260	14.20	15.50	13.5
		56	5280	14.24	15.50	13.5
		60	5300	14.17	15.50	13.5
	802.11n-HT40 MCS0	64	5320	14.33	15.50	13.5
		54	5270	14.21	15.50	13.5
		62	5310	14.30	15.50	13.5
	802.11ac-VHT20 MCS0	52	5260	14.18	15.50	13.5
		56	5280	14.26	15.50	13.5
		60	5300	14.32	15.50	13.5
		64	5320	14.33	15.50	13.5
	802.11ac-VHT40 MCS0	54	5270	14.20	15.50	13.5
		62	5310	14.25	15.50	13.5
	802.11ac-VHT80 MCS0	58	5290	13.89	15.50	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	15.88	17.00	15.0
		116	5580	15.93	17.00	15.0
		124	5620	15.89	17.00	15.0
		132	5660	15.90	17.00	15.0
		140	5700	15.92	17.00	15.0
	802.11n-HT20 MCS0	100	5500	15.88	17.00	15.0
		116	5580	15.86	17.00	15.0
		124	5620	15.84	17.00	15.0
		132	5660	15.79	17.00	15.0
		140	5700	15.70	17.00	15.0
	802.11n-HT40 MCS0	102	5510	15.09	16.50	14.5
		110	5550	15.20	16.50	14.5
		126	5630	15.18	16.50	14.5
		134	5670	15.16	16.50	14.5
802.11ac-VHT20 MCS0	100	5500	15.87	17.00	15.0	
	116	5580	15.83	17.00	15.0	
	124	5620	15.80	17.00	15.0	
	132	5660	15.77	17.00	15.0	
	140	5700	15.79	17.00	15.0	
802.11ac-VHT40 MCS0	102	5510	15.29	16.50	14.5	
	110	5550	15.15	16.50	14.5	
	126	5630	15.22	16.50	14.5	
	134	5670	14.17	16.50	13.5	
802.11ac-VHT80 MCS0	106	5530	14.51	16.00	14.0	
	122	5610	14.47	16.00	14.0	

5GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	149	5745	13.83	15.00	13.0
		157	5785	13.82	15.00	13.0
		165	5825	13.84	15.00	13.0
	802.11n-HT20 MCS0	149	5745	13.78	15.00	13.0
		157	5785	13.71	15.00	13.0
		165	5825	13.68	15.00	13.0
	802.11n-HT40 MCS0	151	5755	13.71	15.00	13.0
		159	5795	13.76	15.00	13.0
	802.11ac-VHT20 MCS0	149	5745	13.72	15.00	13.0
		157	5785	13.71	15.00	13.0
		165	5825	13.68	15.00	13.0
	802.11ac-VHT40 MCS0	151	5755	13.83	15.00	13.0
		159	5795	13.81	15.00	13.0
	802.11ac-VHT80 MCS0	155	5775	14.13	15.50	13.5

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.82	7.89	6.75
	CH 39	2441	10.88	8.95	7.80
	CH 78	2480	9.07	7.19	6.07
Tune-up Limit(dBm)			12.5	10.5	10.5

BT 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	s2	s8
LE	CH 00	2402	0.41	1.45	0.45	0.58
	CH 19	2440	1.40	2.05	1.45	1.58
	CH 39	2480	0.16	0.86	0.20	0.34
Tune-up Limit(dBm)			2.5	2.5	2.5	2.5

WLAN Power DSI-1

2.4GHz WLAN						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting	
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.42	18.00	16.0
		6	2437	16.79	18.00	16.0
		11	2462	16.88	18.00	16.0
	802.11g 6Mbps	1	2412	16.37	18.00	16.0
		6	2437	16.75	18.00	16.0
		11	2462	16.79	18.00	16.0
802.11n-HT20 MCS0	1	2412	16.43	18.00	16.0	
	6	2437	16.77	18.00	16.0	
	11	2462	16.80	18.00	16.0	

5GHz WLAN						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting	
5.2GHz WLAN	802.11a 6Mbps	36	5180	10.46	11.50	10.0
		40	5200	10.32	11.50	10.0
		44	5220	10.45	11.50	10.0
		48	5240	10.50	11.50	10.0
	802.11n-HT20 MCS0	36	5180	10.30	11.50	10.0
		40	5200	10.44	11.50	10.0
		44	5220	10.34	11.50	10.0
		48	5240	10.47	11.50	10.0
	802.11n-HT40 MCS0	38	5190	10.35	11.50	10.0
		46	5230	10.40	11.50	10.0
	802.11ac-VHT20 MCS0	36	5180	10.38	11.50	10.0
		40	5200	10.32	11.50	10.0
		44	5220	10.36	11.50	10.0
		48	5240	10.28	11.50	10.0
	802.11ac-VHT40 MCS0	38	5190	10.41	11.50	10.0
		46	5230	10.43	11.50	10.0
	802.11ac-VHT80 MCS0	42	5210	10.36	11.50	10.0

5GHz WLAN						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting	
5.3GHz WLAN	802.11a 6Mbps	52	5260	10.41	11.50	10.0
		56	5280	10.45	11.50	10.0
		60	5300	10.51	11.50	10.0
		64	5320	10.58	11.50	10.0
	802.11n-HT20 MCS0	52	5260	10.41	11.50	10.0
		56	5280	10.43	11.50	10.0
		60	5300	10.35	11.50	10.0
		64	5320	10.50	11.50	10.0
	802.11n-HT40 MCS0	54	5270	10.44	11.50	10.0
		62	5310	10.47	11.50	10.0
	802.11ac-VHT20 MCS0	52	5260	10.37	11.50	10.0
		56	5280	10.46	11.50	10.0
		60	5300	10.53	11.50	10.0
		64	5320	10.50	11.50	10.0
	802.11ac-VHT40 MCS0	54	5270	10.43	11.50	10.0
		62	5310	10.42	11.50	10.0
	802.11ac-VHT80 MCS0	58	5290	10.37	11.50	10.0

5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	100	5500	10.55	11.50	10.0
		116	5580	10.42	11.50	10.0
		124	5620	10.56	11.50	10.0
		132	5660	10.53	11.50	10.0
		140	5700	10.53	11.50	10.0
	802.11n-HT20 MCS0	100	5500	10.47	11.50	10.0
		116	5580	10.52	11.50	10.0
		124	5620	10.43	11.50	10.0
		132	5660	10.42	11.50	10.0
		140	5700	10.46	11.50	10.0
	802.11n-HT40 MCS0	102	5510	10.37	11.50	10.0
		110	5550	10.46	11.50	10.0
		126	5630	10.42	11.50	10.0
		134	5670	10.40	11.50	10.0
802.11ac-VHT20 MCS0	100	5500	10.54	11.50	10.0	
	116	5580	10.42	11.50	10.0	
	124	5620	10.47	11.50	10.0	
	132	5660	10.55	11.50	10.0	
	140	5700	10.53	11.50	10.0	
802.11ac-VHT40 MCS0	102	5510	10.51	11.50	10.0	
	110	5550	10.43	11.50	10.0	
	126	5630	10.46	11.50	10.0	
	134	5670	10.41	11.50	10.0	
802.11ac-VHT80 MCS0	106	5530	10.40	11.50	10.0	
	122	5610	10.39	11.50	10.0	

5GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	802.11a 6Mbps	149	5745	10.57	11.50	10.0
		157	5785	10.36	11.50	10.0
		165	5825	10.58	11.50	10.0
	802.11n-HT20 MCS0	149	5745	10.51	11.50	10.0
		157	5785	10.43	11.50	10.0
		165	5825	10.40	11.50	10.0
	802.11n-HT40 MCS0	151	5755	10.47	11.50	10.0
		159	5795	10.48	11.50	10.0
	802.11ac-VHT20 MCS0	149	5745	10.47	11.50	10.0
		157	5785	10.49	11.50	10.0
		165	5825	10.40	11.50	10.0
	802.11ac-VHT40 MCS0	151	5755	10.50	11.50	10.0
		159	5795	10.49	11.50	10.0
	802.11ac-VHT80 MCS0	155	5775	10.33	11.50	10.0



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VERITAS**



Appendix E. Photographs of EUT and Setup