

LTE Band 38											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max.	Tune-up (dBm)		
		Channel		3750	3800	3850	MNR	Time-up (dBm)			
20M	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	23.42	23.43	1	24.5			
	16QAM	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			
	64QAM	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			
20M	64QAM	100	0	21.45	21.47	21.47	3	22.5			
	20M	QPSK	Channel		3750	3800	3850	SCPP	Max.	Tune-up (dBm)	
			Frequency (MHz)		2575.5	2585	2612.5	MNR	Time-up (dBm)		
			1	0	24.49	24.43	24.40	0	25.5		
			1	37	24.54	24.53	24.37	0	25.5		
			1	74	24.40	24.23	24.37	0	25.5		
10M		QPSK	36	0	23.37	23.28	23.23	1	24.5		
			36	19	23.52	23.38	23.27	1	24.5		
			36	39	23.42	23.29	23.46	1	24.5		
			75	0	23.55	23.45	23.36	1	24.5		
			1	0	23.36	23.53	23.35	1	24.5		
	16QAM	1	37	23.54	23.48	23.33	1	24.5			
		1	74	23.33	23.49	23.27	1	24.5			
		36	0	22.60	22.57	22.22	2	23.5			
		36	19	22.58	22.34	22.36	2	23.5			
		36	39	22.45	22.30	22.27	2	23.5			
10M	16QAM	75	0	22.64	22.54	22.25	2	23.5			
		1	0	22.48	22.47	22.38	2	23.5			
		1	37	22.68	22.56	22.51	2	23.5			
		1	74	22.56	22.47	22.54	2	23.5			
		36	0	21.54	21.47	21.43	3	22.5			
	64QAM	36	19	21.58	21.48	21.57	3	22.5			
		36	39	21.51	21.57	21.45	3	22.5			
		75	0	21.43	21.47	21.39	3	22.5			
20M	QPSK	Channel		3750	3800	3850	SCPP	Max.	Tune-up (dBm)		
		Frequency (MHz)		2575	2585	2615	MNR	Time-up (dBm)			
		1	0	24.47	24.39	24.39	0	25.5			
		1	34	24.55	24.50	24.47	0	25.5			
		1	49	24.41	24.21	24.35	0	25.5			
	10M	QPSK	25	0	23.43	23.24	23.24	1	24.5		
			25	12	23.44	23.32	23.28	1	24.5		
			25	25	23.45	23.40	23.43	1	24.5		
			50	0	23.55	23.45	23.39	1	24.5		
			1	0	23.35	23.56	23.43	1	24.5		
16QAM		1	24	23.53	23.44	23.36	1	24.5			
		1	49	23.25	23.45	23.35	1	24.5			
		25	0	22.59	22.39	22.24	2	23.5			
		25	12	22.61	22.34	22.40	2	23.5			
		25	25	22.43	22.26	22.21	2	23.5			
10M	16QAM	50	0	22.58	22.49	22.29	2	23.5			
		1	0	22.50	22.39	22.35	2	23.5			
		1	24	22.67	22.62	22.60	2	23.5			
		1	49	22.53	22.55	22.50	2	23.5			
		25	0	21.51	21.50	21.49	3	22.5			
	64QAM	25	12	21.69	21.56	21.62	3	22.5			
		25	25	21.40	21.57	21.45	3	22.5			
		50	0	21.40	21.38	21.41	3	22.5			
20M	QPSK	Channel		3775	3800	3825	SCPP	Max.	Tune-up (dBm)		
		Frequency (MHz)		2575.5	2585	2617.5	MNR	Time-up (dBm)			
		1	0	24.45	24.43	24.33	0	25.5			
		1	12	24.53	24.43	24.41	0	25.5			
		1	24	24.31	24.20	24.42	0	25.5			
	10M	QPSK	12	0	23.37	23.22	23.23	1	24.5		
			12	6	23.49	23.34	23.28	1	24.5		
			12	13	23.44	23.39	23.46	1	24.5		
			25	0	23.36	23.41	23.42	1	24.5		
			1	0	23.32	23.51	23.44	1	24.5		
16QAM		1	12	23.55	23.53	23.40	1	24.5			
		1	24	23.31	23.51	23.25	1	24.5			
		12	0	22.52	22.29	22.21	2	23.5			
		12	6	22.54	22.35	22.30	2	23.5			
		12	13	22.48	22.28	22.22	2	23.5			
10M	16QAM	25	0	22.68	22.55	22.28	2	23.5			
		1	0	22.49	22.39	22.35	2	23.5			
		1	12	22.59	22.55	22.61	2	23.5			
		1	24	22.48	22.54	22.50	2	23.5			
		12	0	21.51	21.49	21.49	3	22.5			
	64QAM	12	6	21.67	21.56	21.62	3	22.5			
		12	13	21.41	21.50	21.51	3	22.5			
		25	0	21.37	21.39	21.40	3	22.5			

LTE Band 41 (2496 ~ 2690MHz)										
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	SCPP	Max.
		Channel	Frequency (MHz)	3750	4015	4060	4325	4340	MPR (dB)	Time-up (dBm)
20M	QPSK	1	0	24.39	24.35	24.37	24.25	24.23	0	25.5
		1	50	24.57	24.46	24.47	24.44	24.42	0	25.5
		1	99	24.32	24.31	24.18	23.35	23.32	0	25.5
		50	0	23.41	23.35	23.34	23.28	23.29	1	24.5
		50	25	23.42	23.38	23.41	23.32	23.31	1	24.5
	16QAM	50	50	23.38	23.30	23.31	23.26	23.28	1	24.5
		100	0	23.54	23.46	23.48	23.47	23.46	1	24.5
		1	0	23.30	23.21	23.37	23.38	23.32	1	24.5
		1	50	23.46	23.46	23.31	23.44	23.45	1	24.5
		1	99	22.25	22.26	22.36	22.17	22.23	1	24.5
40M	16QAM	50	0	22.43	22.46	22.45	22.32	22.36	2	23.5
		50	25	22.47	22.57	22.37	22.37	22.52	2	23.5
		50	50	22.42	22.53	22.32	22.37	22.54	2	23.5
		100	0	22.58	22.53	22.64	22.72	22.73	2	23.5
		1	0	22.39	22.44	22.26	22.46	22.50	2	23.5
	64QAM	1	50	22.39	22.28	22.28	22.27	22.41	2	23.5
		1	99	22.39	22.26	22.30	22.26	22.29	2	23.5
		50	0	21.39	21.51	21.49	21.52	21.37	3	22.5
		50	25	21.39	21.43	21.42	21.42	21.42	3	22.5
		50	50	21.39	21.39	21.36	21.48	21.50	3	22.5
20M	64QAM	100	0	21.39	21.26	21.47	21.41	21.28	3	22.5
	QPSK	Channel		37						
20M	QPSK	1	0	24.39	24.35	24.37	24.25	24.23	0	25.5
		1	50	24.57	24.46	24.47	24.44	24.42	0	25.5
		1	99	24.32	24.31	24.18	23.35	23.32	0	25.5
		50	0	23.41	23.35	23.36	23.27	23.28	1	24.5
		50	25	23.42	23.38	23.41	23.32	23.31	1	24.5
	16QAM	50	50	23.38	23.30	23.31	23.26	23.28	1	24.5
		100	0	23.54	23.46	23.48	23.47	23.46	1	24.5
		1	0	23.30	23.21	23.37	23.38	23.32	1	24.5
		1	50	23.46	23.46	23.31	23.44	23.45	1	24.5
		1	99	22.25	22.26	22.36	22.17	22.23	1	24.5
40M	16QAM	50	0	22.43	22.46	22.45	22.32	22.36	2	23.5
		50	25	22.47	22.57	22.37	22.37	22.52	2	23.5
		50	50	22.42	22.53	22.32	22.37	22.54	2	23.5
		100	0	22.58	22.53	22.64	22.72	22.73	2	23.5
		1	0	22.39	22.44	22.26	22.46	22.50	2	23.5
	64QAM	1	50	22.39	22.28	22.28	22.27	22.41	2	23.5
		1	99	22.39	22.26	22.30	22.26	22.29	2	23.5
		50	0	21.39	21.51	21.49	21.52	21.37	3	22.5
		50	25	21.39	21.43	21.42	21.42	21.42	3	22.5
		50	50	21.39	21.39	21.36	21.48	21.50	3	22.5
20M	64QAM	100	0	21.39	21.26	21.47	21.41	21.28	3	22.5
	QPSK	Channel		37						
20M	QPSK	1	0	24.39	24.35	24.37	24.25	24.23	0	25.5
		1	50	24.57	24.46	24.47	24.44	24.42	0	25.5
		1	99	24.32	24.31	24.18	23.35	23.32	0	25.5
		50	0	23.41	23.35	23.36	23.27	23.28	1	24.5
		50	25	23.42	23.38	23.41	23.32	23.31	1	24.5
	16QAM	50	50	23.38	23.30	23.31	23.26	23.28	1	24.5
		100	0	23.54	23.46	23.48	23.47	23.46	1	24.5
		1	0	23.30	23.21	23.37	23.38	23.32	1	24.5
		1	50	23.46	23.46	23.31	23.44	23.45	1	24.5
		1	99	22.25	22.26	22.36	22.17	22.23	1	24.5
40M	16QAM	50	0	22.43	22.46	22.45	22.32	22.36	2	23.5
		50	25	22.47	22.57	22.37	22.37	22.52	2	23.5
		50	50	22.42	22.53	22.32	22.37	22.54	2	23.5
		100	0	22.58	22.53	22.64	22.72	22.73	2	23.5
		1	0	22.39	22.44	22.26	22.46	22.50	2	23.5
	64QAM	1	50	22.39	22.28	22.28	22.27	22.41	2	23.5
		1	99	22.39	22.26	22.30	22.26	22.29	2	23.5
		50	0	21.39	21.51	21.49	21.52	21.37	3	22.5
		50	25	21.39	21.43	21.42	21.42	21.42	3	22.5
		50	50	21.39	21.39	21.36	21.48	21.50	3	22.5
20M	64QAM	100	0	21.39	21.26	21.47	21.41	21.28	3	22.5
	QPSK	Channel		37						
20M	QPSK	1	0	24.39	24.35	24.37	24.25	24.23	0	25.5
		1	50	24.57	24.46	24.47	24.44	24.42	0	25.5
		1	99	24.32	24.31	24.18	23.35	23.32	0	25.5
		50	0	23.41	23.35	23.36	23.27	23.28	1	24.5
		50	25	23.42	23.38	23.41	23.32	23.31	1	24.5
	16QAM	50	50	23.38	23.30	23.31	23.26	23.28	1	24.5
		100	0	23.54	23.46	23.48	23.47	23.46	1	24.5
		1	0	23.30	23.21	23.37	23.38	23.32	1	24.5
		1	50	23.46	23.46	23.31	23.44	23.45	1	24.5
		1	99	22.25	22.26	22.36	22.17	22.23	1	24.5
40M	16QAM	50	0	22.43	22.46	22.45	22.32	22.36	2	23.5
		50	25	22.47	22.57	22.37	22.37	22.52	2	23.5
		50	50	22.42	22.53	22.32	22.37	22.54	2	23.5
		100	0	22.58	22.53	22.64	22.72	22.73	2	23.5
		1	0	22.39	22.44	22.26	22.46	22.50	2	23.5
	64QAM	1	50	22.39	22.28	22.28	22.27	22.41	2	23.5
		1	99	22.39	22.26	22.30	22.26	22.29	2	23.5
		50	0	21.39	21.51	21.49	21.52	21.37	3	22.5
		50	25	21.39	21.43	21.42	21.42	21.42	3	22.5
		50	50	21.39	21.39	21.36	21.48	21.50	3	22.5
20M	64QAM	100	0	21.39	21.26	21.47	21.41	21.28	3	22.5
	QPSK	Channel		37						
20M	QPSK	1	0	24.39	24.35	24.37	24.25	24.23	0	25.5
		1	50	24.57	24.46	24.47	24.44	24.42	0	25.5
		1	99	24.32	24.31	24.18	23.35	23.32	0	25.5
		50	0	23.41	23.35	23.36	23.27	23.28	1	24.5
		50	25	23.42	23.38	23.41	23.32	23.31	1	24.5
	16QAM	50	50	23.38	23.30	23.31	23.26	23.28	1	24.5
		100	0	23.54	23.46	23.48	23.47	23.46	1	24.5
		1	0	23.30	23.21	23.37	23.38	23.32	1	24.5
		1	50	23.46	23.46	23.31	23.44	23.45	1	24.5
		1	99	22.25	22.26	22.36	22.17	22.23	1	24.5
40M	16QAM	50	0	22.43	22.46	22.45	22.32	22.36	2	23.5
		50	25	22.47	22.57	22.37	22.37	22.52	2	23.5
		50	50	22.42	22.53	22.32	22.37	22.54	2	23.5
		100	0	22.58	22.53	22.64	22.72	22.73	2	23.5
		1	0	22.39	22.44	22.26	22.46	22.50	2	23.5
	64QAM	1	50	22.39	22.28	22.28	22.27	22.41	2	23.5
		1	99	22.39	22.26	22.30	22.26	22.29	2	23.5
		50	0	21.39	21.51	21.49	21.52	21.37	3	22.5
		50	25	21.39	21.43	21.42	21.42	21.42	3	22.5
		50	50	21.39	21.39	21.36	21.48	21.50	3	22.5
20M	64QAM	100	0	21.39	21.26	21.47	21.41	21.28	3	22.5
	QPSK	Channel		37						
20M	QPSK	1	0	24.39	24.35	24.37	24.25	24.23	0	25.5
		1	50	24.57	24.46	24.47	24.44	24.42	0	25.5
		1	99	24.32	24.31	24.18	23.35	23.32	0	25.5
		50	0	23.41	23.35	23.36	23.27	23.28	1	24.5
		50	25	23.42	23.38	23.41	23.32	23.31	1	24.5
	16QAM	50	50	23.38	23.30	23.31	23.26	23.28	1	24.5
		100	0	23.54	23.46	23.48	23.47	23.46	1	24.5
		1	0	23.30	23.21	23.37	23.38	23.32	1	24.5
		1	50	23.46	23.46	23.31	23.44	23.45	1	24.5
		1	99	22.25	22.26	22.36	22.17	22.23	1	24.5
40M	16QAM	50	0	22.43	22.46	22.45	22.32	22.36	2	23.5
		50	25	22.47	22.57	22.37	22.37	22.52	2	23.5
		50	50	22.42	22.53	22.32	22.37	22.54	2	23.5
		100	0	22.58	22.53	22.64	22.72	22.73	2	23.5
		1	0	22.39	22.44	22.26	22.46	22.50	2	23.5
	64QAM	1	50	22.39	22.28	22.28	22.27	22.41	2	23.5
		1	99	22.39	22.26	22.30	22.26	22.29	2	23.5
		50	0	21.39	21.51	21.49	21.52	21.37	3	22.5
		50	25	21.39	21.43	21.42	21.42	21.42	3	22.5
		50	50	21.39	21.39	21.36	21.48	21.50	3	22.5
20M	64QAM	100	0	21.39	21.26	21.47	21.41	21.28	3	22.5
	QPSK	Channel		37						
20M	QPSK	1	0	24.39	24.35	24.37	24.25	24.23	0	25.5
		1	50	24.57	24.46	24.47	24.44	24.42	0	25.5
		1	99	24.32	24.31	24.18	23.35	23.32	0	25.5
		50	0	23.41	23.35	23.36	23.27	23.28	1	24.5
		50	25	23.42	23.38	23.41	23.32	23.31	1	24.5
	16QAM	50	50	23.38	23.30	23.31	23.26	23.28	1	24.5
		100	0	23.54	23.46	23.48	23.47	23.46	1	24.5
		1	0	23.30	23.21	23.37	23.38	23.32	1	24.5
		1	50	23.46	23.46	23.31	23.44	23.45	1	24.5
		1	99	22.25	22.26	22.36				

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	810	
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)	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	Max. Tune-up Power (dBm)	1712.4	1732.6	1752.6	Max. Tune-up Power (dBm)	826.4	836.4	846.6	Max. Tune-up Power (dBm)
RMC 12.2K	21.60	21.48	21.54		22.50	20.02	19.87		21.00	24.22	24.33	
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 7									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Channel	20MHz BW	Max. Time-up (dBm)
		Channel	Frequency (MHz)	2010	2120	2230			
		Channel	Frequency (MHz)	2010	2120	2230			
20M	QPSK	1	0	20.07	20.91	21.00	22	0	25.5
		1	50	21.10	21.13	21.08	22	1	25.5
		1	99	21.07	21.02	21.08	22	1	25.5
		50	0	20.92	20.88	20.92	22	1	24.5
		50	25	20.94	20.97	20.97	22	1	24.5
		50	50	20.90	20.91	20.95	22	1	24.5
		100	0	20.84	20.88	20.83	22	1	24.5
		1	0	20.85	20.86	20.83	22	1	24.5
		1	50	21.18	21.18	21.20	22	1	24.5
		1	99	20.94	20.99	21.03	22	1	24.5
10M	16QAM	50	0	20.96	20.85	21.00	22	1	24.5
		50	25	20.96	20.94	20.98	22	1	24.5
		50	50	20.93	20.94	21.05	22	1	24.5
		100	0	20.87	20.94	21.03	22	1	24.5
		1	0	20.88	20.95	20.92	22	1	24.5
		1	50	21.08	21.06	21.10	22	1	24.5
		1	99	20.96	20.90	20.90	22	1	24.5
		50	0	20.95	20.90	20.95	22	1	24.5
		50	25	21.01	20.98	21.07	22	1	24.5
		50	50	20.94	20.95	21.01	22	1	24.5
5M	64QAM	100	0	20.90	20.89	20.93	22	1	24.5
		Channel	20823	21109	21375	Max. Time-up (dBm)			
		1	0	20.86	20.99	20.95	22	1	24.5
		1	37	21.14	21.11	21.15	22	1	24.5
		1	74	20.98	20.99	21.06	22	1	24.5
		38	0	20.88	20.78	20.91	22	1	24.5
		38	18	20.95	20.83	20.87	22	1	24.5
		38	38	20.87	20.91	20.93	22	1	24.5
		75	0	20.88	20.85	20.94	22	1	24.5
		1	0	20.85	20.77	20.91	22	1	24.5
2.5M	16QAM	1	37	21.08	21.10	21.13	22	1	24.5
		1	74	20.90	20.86	21.01	22	1	24.5
		38	0	20.94	20.78	20.97	22	1	24.5
		38	18	20.85	20.88	20.96	22	1	24.5
		38	38	20.88	20.91	20.94	22	1	24.5
		75	0	20.91	20.90	20.92	22	1	24.5
		1	0	20.84	20.89	20.90	22	1	24.5
		1	37	21.03	20.97	21.00	22	1	24.5
		1	74	20.78	20.74	20.78	22	1	24.5
		38	18	21.01	20.93	21.03	22	1	24.5
1.25M	64QAM	38	18	21.00	20.93	21.03	22	1	24.5
		38	38	20.91	20.85	20.97	22	1	24.5
		75	0	20.85	20.86	20.94	22	1	24.5
		Channel	21880	21109	21488	Max. Time-up (dBm)			
		1	0	20.90	20.87	20.93	22	1	24.5
		1	24	21.00	21.07	21.22	22	1	24.5
		1	49	20.97	20.96	21.04	22	1	24.5
		25	0	20.88	20.80	20.81	22	1	24.5
		25	12	20.96	20.87	20.82	22	1	24.5
		25	25	20.87	20.81	20.91	22	1	24.5
640K	16QAM	50	0	20.83	20.86	20.88	22	1	24.5
		1	0	20.87	20.78	20.92	22	1	24.5
		1	24	21.17	21.17	21.09	22	1	24.5
		1	49	20.89	20.91	20.95	22	1	24.5
		25	0	20.93	20.81	20.91	22	1	24.5
		25	12	20.88	20.83	20.88	22	1	24.5
		25	25	20.83	20.84	21.02	22	1	24.5
		50	0	20.86	20.87	21.02	22	1	24.5
		1	0	20.78	20.83	20.84	22	1	24.5
		1	24	21.02	20.99	21.10	22	1	24.5
320K	64QAM	1	49	20.76	20.82	20.83	22	1	24.5
		25	0	20.86	20.82	20.85	22	1	24.5
		25	12	20.91	20.87	21.00	22	1	24.5
		25	25	20.87	20.83	20.98	22	1	24.5
		50	0	20.87	20.83	20.82	22	1	24.5
		Channel	20775	21109	21425	Max. Time-up (dBm)			
		1	0	20.89	20.81	20.97	22	1	24.5
		1	12	21.13	21.11	21.15	22	1	24.5
		1	24	21.02	21.01	20.97	22	1	24.5
		12	0	20.89	20.88	20.80	22	1	24.5
160K	QPSK	12	6	20.87	20.83	20.87	22	1	24.5
		12	13	20.88	20.81	20.86	22	1	24.5
		25	0	20.87	20.78	20.79	22	1	24.5
		1	0	20.85	20.84	20.88	22	1	24.5
		1	12	21.12	21.18	21.10	22	1	24.5
		1	24	20.90	20.94	21.02	22	1	24.5
		12	0	20.87	20.82	20.95	22	1	24.5
		12	6	20.91	20.83	20.87	22	1	24.5
		12	13	20.92	20.84	21.02	22	1	24.5
		25	0	20.92	20.87	21.02	22	1	24.5
80K	16QAM	1	0	20.76	20.80	20.81	22	1	24.5
		1	12	21.03	20.98	21.08	22	1	24.5
		1	24	20.85	20.76	20.77	22	1	24.5
		12	0	20.88	20.80	20.84	22	1	24.5
		12	6	20.99	20.83	20.96	22	1	24.5
		12	13	20.88	20.83	20.98	22	1	24.5
		25	0	20.82	20.78	20.82	22	1	24.5
		Channel	20615	20815	21015	Max. Time-up (dBm)			
		1	0	20.89	20.81	20.97	22	1	24.5
		1	12	21.13	21.11	21.15	22	1	24.5

LTE Band 13									
Modulation	Channel	RB Size	RB Offset	Mid			SPPW RBs	Max. Time-up (dB)	
		Frequency (MHz)	23205						
			752	768	784				
QPSK		1	0	24.05	0	25.5			
		1	24	24.08	0	25.5			
		1	49	24.07	0	25.5			
		25	0	23.16	1	24.5			
		25	12	23.16	1	24.5			
		25	25	23.13	1	24.5			
		50	0	23.24	1	24.5			
		1	0	23.13	1	24.5			
		1	24	23.28	0	24.5			
		1	49	23.19	1	24.5			
16QAM		25	0	23.16	2	23.5			
		25	12	22.21	2	23.5			
		25	25	22.14	2	23.5			
		50	0	22.22	2	23.5			
		1	0	22.16	2	23.5			
		1	24	22.14	2	23.5			
		1	49	22.19	2	23.5			
		25	0	21.21	3	22.5			
		25	12	21.22	3	22.5			
		25	25	21.16	3	22.5			
64QAM		50	0	21.10	3	22.5			
		Channel	23205	23235	23265	23295	SPPW RBs	Time-up (dB)	
		1	0	24.03	24.02	23.95	0	25.5	
		1	12	24.20	24.26	24.22	0	25.5	
		1	24	24.09	24.07	24.06	0	25.5	
		12	0	23.11	23.15	23.09	1	24.5	
		12	6	23.18	23.20	23.17	1	24.5	
		12	13	23.07	23.09	23.12	1	24.5	
		25	0	23.16	23.23	23.13	1	24.5	
		1	0	23.04	23.03	23.09	1	24.5	
16QAM		1	12	23.17	23.20	23.27	1	24.5	
		1	24	23.13	23.12	23.16	1	24.5	
		12	0	22.13	22.10	22.10	2	23.5	
		12	6	22.11	22.16	22.15	2	23.5	
		12	13	22.12	22.06	22.09	2	23.5	
		25	0	22.12	22.13	22.17	2	23.5	
		1	0	22.13	22.08	22.09	2	23.5	
		1	12	22.10	22.03	22.02	2	23.5	
64QAM		1	24	22.08	22.16	22.08	2	23.5	
		12	0	21.10	21.15	21.20	2	22.5	
		12	6	21.19	21.17	21.11	3	22.5	
		12	13	21.13	21.10	21.04	3	22.5	
		25	0	21.02	21.04	21.00	3	22.5	
		25	12	21.09	21.11	21.05	3	22.5	

LTE Band 38									
BW	Modulation	RB Size	RB Offset	Low	Mid	High			
		Channel		2550	2550	2515			
		Frequency (MHz)		2550	2550	2515	Max. Time-up (dBm)		
20M	QPSK	1	0	22.51	22.48	22.44	23.5		
		50	0	22.52	22.47	22.52	23.5		
		1	99	22.42	22.34	22.19	23.5		
		50	0	22.40	22.37	22.29	23.5		
		50	0	22.38	22.36	22.38	23.5		
		50	0	22.46	22.40	22.41	23.5		
		100	0	22.43	22.44	22.40	23.5		
		1	50	22.38	22.45	22.28	23.5		
		1	50	22.09	22.08	22.48	23.5		
		1	99	22.48	22.38	22.28	23.5		
20M	16QAM	1	0	22.52	22.47	22.37	23.5		
		50	0	22.50	22.40	22.38	23.5		
		50	0	22.50	22.47	22.35	23.5		
		100	0	22.44	22.43	22.33	23.5		
		1	0	22.13	22.15	22.07	23.5		
		1	50	22.47	22.43	22.33	23.5		
		1	99	22.51	22.46	22.39	22.5		
		50	0	21.43	21.48	21.39	22.5		
		50	25	21.51	21.52	21.38	22.5		
		100	0	21.43	21.48	21.33	22.5		
20M	64QAM	1	0	22.48	22.37	22.35	23.5		
		1	37	22.58	22.56	22.43	23.5		
		1	74	22.40	22.38	22.18	23.5		
		38	0	22.32	22.38	22.18	23.5		
		38	19	22.37	22.35	22.32	23.5		
		38	39	22.38	22.38	22.49	23.5		
		75	0	22.34	22.42	22.38	23.5		
		1	0	22.37	22.33	22.25	23.5		
		1	37	22.50	22.51	22.43	23.5		
		1	74	22.40	22.38	22.21	23.5		
15M	16QAM	38	0	22.43	22.41	22.25	23.5		
		38	19	22.38	22.36	22.32	23.5		
		38	39	22.40	22.40	22.29	23.5		
		75	0	22.42	22.42	22.27	23.5		
		1	0	22.36	22.36	21.98	23.5		
		1	37	22.38	22.42	22.33	23.5		
		1	74	22.09	21.98	21.98	23.5		
		38	0	21.43	21.44	21.26	22.5		
		38	19	21.45	21.52	21.29	22.5		
		38	39	21.50	21.48	21.38	22.5		
15M	64QAM	75	0	21.45	21.47	21.23	22.5		
		1	0	22.07	22.13	22.01	23.5		
		1	24	22.36	22.38	22.30	23.5		
		1	49	22.08	21.97	22.05	23.5		
		25	0	21.31	21.38	21.31	22.5		
		25	12	21.46	21.48	21.33	22.5		
		25	25	21.51	21.48	21.40	22.5		
		50	0	21.42	21.38	21.22	22.5		
5M	QPSK	Channel		2575	2580	2552	Max. Time-up (dBm)		
		Frequency (MHz)		2575	2580	2552			
		1	0	22.48	22.45	22.35	23.5		
		1	24	22.50	22.51	22.39	23.5		
		1	49	22.52	22.57	22.07	23.5		
		25	0	22.30	22.35	22.23	23.5		
		25	12	22.36	22.39	22.28	23.5		
		25	25	22.40	22.33	22.38	23.5		
		50	0	22.40	22.34	22.29	23.5		
		1	0	22.31	22.40	22.19	23.5		
5M	16QAM	1	24	22.57	22.56	22.39	23.5		
		1	49	22.48	22.31	22.17	23.5		
		25	0	22.43	22.36	22.31	23.5		
		25	12	22.41	22.36	22.29	23.5		
		25	25	22.47	22.47	22.25	23.5		
		50	0	22.44	22.36	22.35	23.5		
		1	0	22.07	22.13	22.01	23.5		
		1	24	22.36	22.38	22.30	23.5		
		1	49	22.08	21.97	22.05	23.5		
		25	0	21.31	21.38	21.31	22.5		
5M	64QAM	25	12	21.46	21.48	21.33	22.5		
		25	25	21.51	21.48	21.40	22.5		
		50	0	21.42	21.38	21.22	22.5		
5M	QPSK	Channel		2575	2580	2552	Max. Time-up (dBm)		
		Frequency (MHz)		2575	2580	2552			
		1	0	22.43	22.38	22.41	23.5		
		1	12	22.57	22.48	22.47	23.5		
		1	24	22.41	22.25	22.17	23.5		
		12	0	22.38	22.33	22.28	23.5		
		12	6	22.37	22.28	22.30	23.5		
		12	13	22.40	22.38	22.30	23.5		
		25	0	22.37	22.42	22.38	23.5		
		1	0	22.34	22.35	22.21	23.5		
5M	16QAM	1	24	22.39	22.37	22.27	23.5		
		12	0	22.44	22.41	22.29	23.5		
		12	6	22.38	22.31	22.30	23.5		
		12	13	22.46	22.36	22.29	23.5		
		25	0	22.37	22.40	22.30	23.5		
		1	0	22.09	22.09	22.01	23.5		
		1	12	22.38	22.32	22.28	23.5		
		1	24	22.01	21.99	22.08	23.5		
		12	0	21.36	21.36	21.29	22.5		
		12	6	21.49	21.42	21.33	22.5		
5M	64QAM	12	13	21.50	21.48	21.39	22.5		
		25	0	21.50	21.49	21.30	22.5		

LTE Band 41 (2486 – 2600MHz)									
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Max. Time-up (dBm)
		Channel		2550	2563.5	2580	2593.5	2580	
		Frequency (MHz)		2550	2563.5	2580	2593.5	2580	
20M	QPSK	1	0	22.52	22.40	22.43	22.43	22.34	23.5
		50	0	22.52	22.44	22.50	22.34	22.40	23.5
		1	99	22.37	22.34	22.37	22.38	22.29	23.5
		50	0	22.34	22.29	22.25	22.27	22.19	23.5
		50	0	22.28	22.34	22.30	22.31	22.22	23.5
		50	0	22.40	22.33	22.33	22.37	22.29	23.5
		100	0	22.50	22.49	22.43	22.38	22.31	23.5
		1	50	22.36	22.41	22.32	22.35	22.14	23.5
		1	50	22.45	22.51	22.44	22.44	22.45	23.5
		1	99	22.28	22.25	22.18	22.22	22.13	23.5
20M	16QAM	1	0	22.52	22.40	22.43	22.43	22.34	23.5
		50	0	22.28	22.29	22.32	22.34	22.18	23.5
		50	0	22.30	22.29	22.32	22.27	22.22	23.5
		100	0	22.49	22.36	22.43	22.37	22.34	23.5
		1	0	22.02	22.00	21.99	22.03	21.84	23.5
		1	50	22.35	22.34	22.28	22.33	22.10	23.5
		1	99	22.10	22.00	22.07	22.02	21.86	23.5
		50	0	21.34	21.29	21.25	21.29	21.10	22.5
		50	25	21.28	21.29	21.30	21.28	21.13	22.5
		100	0	21.28	21.25	21.28	21.24	21.17	22.5
20M	64QAM	100	0	21.40	21.48	21.39	21.43	21.31	22.5
		Channel		2575	2580	2552	Max. Time-up (dBm)		
		Frequency (MHz)		2575	2580	2552			
		1	0	22.50	22.30	22.18	23.4	22.31	23.5
		1	37	22.49	22.45	22.45	22.45	22.34	23.5
		1	74	22.35	22.29	22.26	22.30	22.24	23.5
		38	0	22.31	22.28	22.19	22.24	22.07	23.5
		38	19	22.28	22.20	22.30	22.35	22.13	23.5
		38	39	22.36	22.27	22.25	22.34	22.18	23.5
		75	0	22.33	22.32	22.34	22.38	22.15	23.5
15M	16QAM	1	0	22.15	22.11	22.10	22.18	22.10	23.5
		1	37	22.39	22.51	22.57	22.35	22.31	23.5
		1	74	22.17	22.07	22.06	22.01	22.08	23.5
		38	0	22.18	22.22	22.23	22.22	22.10	23.5
		38	19	22.29	22.24	22.27	22.25	22.18	23.5
		38	39	22.29	22.24	22.27	22.25	22.18	23.5
		75	0	22.39	22.28	22.38	22.30	22.13	23.5
		1	0	21.98	21.98	21.80	21.82	21.77	23.5
		1	37	22.09	22.22	22.19	22.31	21.98	2

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	RB Offset	Low	Mid	High	SCPP MPR	Max. Turn-up (dBm)		
		Channel								
10M	QPSK	Frequency (MHz)		18875	18900	18925				
		1	0	24.07	24.11	24.13	0	25.5		
		1	50	24.19	24.23	24.32	0	25.5		
		1	99	24.20	24.11	24.03	0	25.5		
		50	0	23.14	23.12	23.31	1	24.5		
		50	25	22.92	22.85	23.20	1	24.5		
		50	50	23.04	23.05	23.13	1	24.5		
		100	0	23.15	23.03	23.11	1	24.5		
		1	0	23.04	23.20	23.14	1	24.5		
		1	50	22.98	23.07	23.39	1	24.5		
20M	16QAM	1	99	23.21	23.19	23.26	2	23.5		
		50	0	22.12	22.99	22.26	2	23.5		
		50	25	22.07	22.18	22.27	2	23.5		
		50	50	22.23	22.26	22.08	2	23.5		
		100	0	22.17	22.07	22.13	2	23.5		
		1	0	22.13	22.16	22.03	2	23.5		
		1	50	22.06	22.15	22.18	2	23.5		
		1	99	21.96	21.91	21.98	2	23.5		
		50	0	21.29	21.15	21.05	3	22.5		
		50	25	21.23	21.27	21.14	3	22.5		
30M	64QAM	50	50	21.07	21.02	21.10	3	22.5		
		100	0	21.15	21.01	20.99	3	22.5		
		40M	QPSK	Channel		18875	18900	18925	SCPP MPR (dB)	Max. Turn-up (dBm)
				Frequency (MHz)		18875	18900	18925	18925	18925
				1	0	24.06	24.07	24.10	0	25.5
				1	37	24.18	24.19	24.27	0	25.5
				1	74	24.15	24.02	24.02	0	25.5
				36	0	23.07	23.01	23.27	1	24.5
				36	19	22.94	22.73	23.15	1	24.5
				36	39	23.01	22.94	23.03	1	24.5
75	0			23.07	23.01	23.11	1	24.5		
1	0			23.03	23.16	23.08	1	24.5		
50M	16QAM	1	37	22.92	22.92	23.30	1	24.5		
		1	74	22.96	22.96	23.08	1	24.5		
		36	0	22.11	21.92	22.16	2	23.5		
		36	19	22.05	22.13	22.26	2	23.5		
		36	39	22.15	22.26	22.00	2	23.5		
		75	0	22.05	21.99	22.02	2	23.5		
		1	0	22.07	22.14	22.03	2	23.5		
		1	37	22.03	22.14	22.18	2	23.5		
		1	74	21.95	21.84	21.87	2	23.5		
		36	0	21.18	21.14	20.95	3	22.5		
60M	64QAM	36	19	21.15	21.24	21.06	3	22.5		
		36	39	21.00	20.92	21.04	3	22.5		
		75	0	21.12	20.93	20.90	3	22.5		
		70M	QPSK	Channel		18850	18900	18950	SCPP MPR (dB)	Max. Turn-up (dBm)
				Frequency (MHz)		18850	18900	18950	18950	18950
				1	0	24.06	24.07	24.12	0	25.5
				1	24	24.08	24.10	24.29	0	25.5
				1	49	24.11	24.00	24.01	0	25.5
				25	0	23.08	23.04	23.25	1	24.5
				25	12	22.82	22.84	23.19	1	24.5
25	25			23.02	22.96	23.08	1	24.5		
50	0			23.14	22.92	23.01	1	24.5		
1	0			22.96	23.11	23.05	1	24.5		
80M	16QAM	1	24	22.90	23.03	23.30	1	24.5		
		1	49	23.13	22.90	23.20	1	24.5		
		25	0	22.00	21.97	22.21	2	23.5		
		25	12	22.07	22.16	22.21	2	23.5		
		25	25	22.13	22.21	22.03	2	23.5		
		50	0	22.07	22.05	22.01	2	23.5		
		1	0	22.07	22.08	22.96	2	23.5		
		1	24	22.06	22.04	22.11	2	23.5		
		1	49	21.87	21.90	21.98	2	23.5		
		25	0	21.22	21.08	20.94	3	22.5		
90M	QPSK	25	12	21.18	21.20	21.09	3	22.5		
		25	25	21.00	20.99	21.07	3	22.5		
		50	0	21.07	20.95	20.92	3	22.5		
		100M	16QAM	Channel		18825	18900	18975	SCPP MPR (dB)	Max. Turn-up (dBm)
				Frequency (MHz)		18825	18900	18975	18975	18975
				1	0	24.03	24.06	24.11	0	25.5
				1	12	24.17	24.12	24.26	0	25.5
				1	24	24.13	24.08	24.00	0	25.5
				12	0	23.08	23.06	23.25	1	24.5
				12	6	22.86	22.80	23.18	1	24.5
12	13			23.03	22.98	23.10	1	24.5		
25	0			23.07	22.94	23.07	1	24.5		
1	0			23.00	23.09	23.11	1	24.5		
120M	16QAM	1	12	22.91	23.01	23.34	1	24.5		
		1	24	23.08	22.80	22.97	1	24.5		
		12	0	22.02	21.89	22.15	2	23.5		
		12	6	22.01	22.16	22.24	2	23.5		
		12	13	22.22	22.22	21.98	2	23.5		
		25	0	22.11	22.10	22.11	2	23.5		
		1	0	22.12	22.16	21.99	2	23.5		
		1	12	22.06	22.13	22.09	2	23.5		
		1	24	21.88	21.82	21.97	2	23.5		
		12	0	21.17	21.06	20.97	3	22.5		
140M	64QAM	12	6	21.21	21.18	21.13	3	22.5		
		12	13	20.96	21.01	21.00	3	22.5		
		25	0	21.06	20.91	20.90	3	22.5		
		160M	QPSK	Channel		18815	18900	18985	SCPP MPR (dB)	Max. Turn-up (dBm)
				Frequency (MHz)		18815	18900	18985	18985	18985
				1	0	24.04	24.10	24.02	0	25.5
				1	7	24.16	24.14	24.25	0	25.5
				1	14	24.10	24.05	23.99	0	25.5
				8	0	23.05	23.08	23.20	1	24.5
				8	3	22.89	22.83	23.17	1	24.5
8	7			22.93	22.97	23.11	1	24.5		
15	0			23.07	22.98	23.10	1	24.5		
1	0			22.96	23.13	23.03	1	24.5		
180M	16QAM	1	7	22.92	23.04	23.33	1	24.5		
		1	14	23.06	22.89	22.98	1	24.5		
		8	0	22.01	21.94	22.23	2	23.5		
		8	8	22.01	22.14	22.24	2	23.5		
		8	7	22.21	22.17	21.98	2	23.5		
		15	0	22.16	21.98	22.11	2	23.5		
		1	0	22.12	22.15	22.02	2	23.5		
		1	7	22.97	22.05	22.09	2	23.5		
		1	14	21.93	21.82	21.97	2	23.5		
		8	0	21.26	21.11	20.99	3	22.5		
200M	QPSK	8	3	20.95	20.94	21.01	3	22.5		
		8	7	20.97	20.94	21.05	3	22.5		
		15	0	21.10	20.99	20.98	3	22.5		
		240M	16QAM	Channel		18807	18900	18993	SCPP MPR (dB)	Max. Turn-up (dBm)
				Frequency (MHz)		18807	18900	18993	18993	18993
				1	0	23.99	24.03	24.03	0	25.5
				1	2	24.15	24.17	24.26	0	25.5
				1	5	24.11	24.03	23.98	0	25.5
				3	0	24.13	24.12	24.28	0	25.5
				3	1	23.88	23.79	24.12	0	25.5
3	3			23.99	24.01	24.07	0	25.5		
6	0			23.07	22.94	23.04	1	24.5		
1	0			22.92	23.11	23.10	1	24.5		
280M	16QAM	1	5	23.14	22.89	22.97	1	24.5		
		3	0	23.08	22.80	23.26	1	24.5		
		3	1	22.96	23.08	23.20	1	24.5		
		3	3	23.19	23.22	22.97	1	24.5		
		6	0	22.09	22.06	22.07	2	23.5		
		1	0	22.09	22.08	22.00	2	23.5		
		1	2	21.96	22.08	22.07	2	23.5		
		1	5	21.92	21.90	21.93	2	23.5		
		3	0	22.20	22.13	21.93	2	23.5		
		3	1	22.10	22.21	22.05	2	23.5		
320M	QPSK	3	3	22.02	21.97	22.00	2	23.5		
		6	0	21.98	20.98	20.91	3	22.5		
		400M	16QAM	Channel		18787	18900	19013	SCPP MPR (dB)	Max. Turn-up (dBm)
				Frequency (MHz)		18787	18900	19013	19013	19013
				1	0	24.01	24.19	24.12	0	25.5
				1	2	24.27	24.30	24.22	0	25.5
				1	5	24.11	24.03	23.94	0	25.5
				3	0	24.13	24.12	24.28	0	25.5
				3	1	23.88	23.79	24.12	0	25.5
				3	3	23.99	24.01	24.07	0	25.5
6	0			23.07	22.94	23.04	1	24.5		
1	0			22.92	23.11	23.10	1	24.5		

LTE Band 7									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP MPR (dB)	Max. Tune-up (dBm)	
		Channel Frequency (MHz)	20850	21100	21350				
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	23.50	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	23.45	1	24.5	
	64QAM	50	0	22.35	22.25	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	22.15	2	23.5	
10M	QPSK	1	50	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	
		1	0	21.09	21.09	21.09	3	22.5	
		1	50	21.26	21.26	21.26	3	22.5	
		1	99	21.10	21.10	21.10	3	22.5	
		50	0	20.96	20.96	20.96	3	22.5	
	64QAM	1	57	22.26	22.25	22.29	2	23.5	
		1	74	22.11	22.15	22.18	2	23.5	
		36	0	21.15	20.96	21.01	3	22.5	
		36	19	21.33	21.28	21.47	3	22.5	
		36	39	21.28	21.25	21.27	3	22.5	
5M	QPSK	75	0	21.13	21.27	21.12	3	22.5	
		1	0	20.92	20.92	20.92	3	22.5	
		1	24	24.14	24.13	24.16	0	25.5	
		1	49	24.28	24.37	24.19	0	25.5	
		25	0	23.33	23.16	23.20	1	24.5	
	16QAM	25	12	23.34	23.35	23.56	1	24.5	
		25	25	23.53	23.41	23.44	1	24.5	
		50	0	23.33	23.33	23.42	1	24.5	
		1	0	23.10	23.29	23.17	1	24.5	
		1	24	23.51	23.50	23.54	1	24.5	
	64QAM	1	49	23.25	23.20	23.33	1	24.5	
		25	0	22.26	22.24	22.34	2	23.5	
		25	12	22.45	22.45	22.49	2	23.5	
		25	25	22.38	22.51	22.48	2	23.5	
		50	0	22.27	22.27	22.33	2	23.5	
20M	QPSK	1	0	22.07	22.01	22.05	2	23.5	
		1	24	22.35	22.52	22.34	2	23.5	
		1	49	22.10	22.18	22.21	2	23.5	
		25	0	21.05	20.99	21.03	3	22.5	
		25	12	21.37	21.48	21.46	3	22.5	
	16QAM	25	25	21.37	21.20	21.23	3	22.5	
		50	0	21.18	21.28	21.15	3	22.5	
		1	0	20.92	20.92	20.92	3	22.5	
		1	24	24.17	24.34	24.25	0	25.5	
		12	0	23.41	23.16	23.18	1	24.5	
	64QAM	12	6	23.39	23.31	23.55	1	24.5	
		12	13	23.43	23.35	23.47	1	24.5	
		25	0	23.33	23.38	23.39	1	24.5	
		1	0	23.19	23.26	23.12	1	24.5	
		1	12	23.45	23.48	23.56	1	24.5	
10M	QPSK	1	24	23.18	23.17	23.26	1	24.5	
		12	0	22.30	22.27	22.37	2	23.5	
		12	6	22.43	22.45	22.55	2	23.5	
		12	13	22.37	22.46	22.41	2	23.5	
		25	0	22.20	22.42	22.37	2	23.5	
	16QAM	1	0	21.96	22.03	22.05	2	23.5	
		1	12	22.31	22.18	22.39	2	23.5	
		1	24	22.17	22.18	22.25	2	23.5	
		12	0	21.15	21.04	20.98	3	22.5	
		12	6	21.40	21.43	21.47	3	22.5	
	64QAM	12	13	21.38	21.21	21.31	3	22.5	
		25	0	21.16	21.20	21.11	3	22.5	
		1	0	20.92	20.92	20.92	3	22.5	
		1	24	24.17	24.34	24.25	0	25.5	
		12	0	23.41	23.16	23.18	1	24.5	

LTE Band 38									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP MPR	Max. Time-up (dBm)	
		Channel		37950	38050	38150			
20M	QPSK	1	0	24.18	24.16	24.16	0	25.5	
		1	50	24.40	24.32	24.35	0	25.5	
		1	99	24.19	24.34	24.21	0	25.5	
		50	0	23.22	23.09	23.22	1	24.5	
		50	25	23.25	23.13	23.28	1	24.5	
	16QAM	50	50	23.34	23.30	23.31	1	24.5	
		100	0	23.32	23.29	23.21	1	24.5	
		1	0	23.13	23.20	23.23	1	24.5	
		1	50	23.53	23.36	23.46	1	24.5	
		50	25	21.30	21.27	21.29	3	22.5	
40M	16QAM	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	22.36	22.23	22.29	2	23.5	
		1	0	22.05	22.09	21.96	2	23.5	
	64QAM	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	21.32	21.27	21.29	3	22.5	
		50	50	21.12	21.15	21.11	3	22.5	
80M	16QAM	100	0	21.17	21.29	21.30	3	22.5	
	QPSK	Channel		37950	38000	38050	SCPP MPR	Max. Time-up (dBm)	
		Frequency (MHz)		37975	37995	38015			
		1	0	24.12	24.09	24.12	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	
10M	QPSK	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	23.25	1	24.5	
		75	0	23.21	23.38	23.09	1	24.5	
		1	0	23.02	23.09	23.23	1	24.5	
	16QAM	1	37	23.42	23.35	23.45	1	24.5	
		1	74	23.07	23.03	23.06	1	24.5	
		36	0	22.13	22.12	22.19	2	23.5	
		36	19	22.38	22.22	22.25	2	23.5	
		36	39	22.15	22.09	22.03	2	23.5	
20M	16QAM	75	0	22.29	22.23	22.25	2	23.5	
		1	0	21.08	21.07	21.06	2	23.5	
		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	20.88	3	22.5	
	64QAM	36	19	21.22	21.05	21.09	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	
40M	QPSK	Channel		37950	38000	38050	SCPP MPR	Max. Time-up (dBm)	
		Frequency (MHz)		37975	37995	38015			
		1	0	24.14	24.08	24.07	0	25.5	
		1	24	24.37	24.31	24.26	0	25.5	
		1	49	24.13	24.30	24.18	0	25.5	
	16QAM	25	0	23.13	23.01	23.15	1	24.5	
		25	12	23.31	23.09	23.19	1	24.5	
		25	25	23.13	23.22	23.30	1	24.5	
		50	0	23.27	23.43	23.16	1	24.5	
		1	0	23.07	23.16	23.14	1	24.5	
80M	16QAM	1	24	23.43	23.32	23.37	1	24.5	
		1	49	23.08	23.09	23.03	1	24.5	
		25	0	22.19	22.04	22.18	2	23.5	
		25	12	22.28	22.18	22.27	2	23.5	
		25	25	22.16	22.14	22.06	2	23.5	
	64QAM	50	0	22.33	22.22	22.28	2	23.5	
		1	0	22.04	22.03	21.91	2	23.5	
		1	24	22.28	22.23	22.23	2	23.5	
		1	49	22.12	22.00	22.07	2	23.5	
		25	0	20.96	21.01	20.91	3	22.5	
160M	QPSK	25	12	21.28	21.27	21.29	3	22.5	
		25	25	21.09	21.09	21.01	3	22.5	
		50	0	21.06	21.28	21.24	3	22.5	
	16QAM	Channel		37975	38000	38025	SCPP MPR	Max. Time-up (dBm)	
		Frequency (MHz)		37975.5	37995	38015.5			
		1	0	24.15	24.11	24.04	0	25.5	
		1	12	24.33	24.30	24.27	0	25.5	
		1	24	24.09	24.32	24.16	0	25.5	
320M	QPSK	12	0	23.20	23.03	23.21	1	24.5	
		12	6	23.27	23.02	23.27	1	24.5	
		12	13	23.17	23.26	23.27	1	24.5	
		25	0	23.21	23.36	23.15	1	24.5	
		1	0	23.06	23.09	23.13	1	24.5	
	16QAM	1	12	23.50	23.34	23.45	1	24.5	
		1	24	23.06	23.07	22.95	1	24.5	
		12	0	22.30	22.12	22.19	2	23.5	
		12	6	22.34	22.23	22.26	2	23.5	
		12	13	22.19	22.15	22.07	2	23.5	
640M	16QAM	25	0	22.31	22.27	22.25	2	23.5	
		1	0	22.02	22.05	21.88	2	23.5	
		1	12	22.26	22.13	22.21	2	23.5	
		1	24	22.08	21.97	22.12	2	23.5	
		12	6	21.05	20.95	20.87	3	22.5	
	64QAM	12	13	21.07	21.06	21.10	3	22.5	
		25	0	21.13	21.20	21.28	3	22.5	

LTE Band 41 (2496 ~ 2690MHz)											
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	SCPP	MPR	Max. Time-up (dBm)
		Channel		37970	40185	40620	42095	43480			
20M	QPSK	Frequency (MHz)		37970.5	39483	3993	3937.5	3982.5			
		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	23.00	1	24.5	
40M	16QAM	50	25	23.25	23.15	23.06	22.97	23.01	1	24.5	
		50	50	23.17	22.97	22.95	22.93	22.83	1	24.5	
		100	0	23.29	23.06	22.96	23.11	23.05	1	24.5	
		1	0	23.05	23.14	23.04	23.25	23.16	1	24.5	
		1	50	23.25	23.01	23.16	22.87	22.90	1	24.5	
80M	64QAM	50	25	21.08	21.03	21.13	21.04	21.08	3	22.5	
		50	0	22.17	22.09	22.30	22.22	22.11	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	22.23	2	23.5	
		100	0	22.24	22.20	22.09	22.25	22.26	2	23.5	
160M	64QAM	1	0	22.00	21.91	21.85	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	21.06	21.13	21.04	21.08	3	22.5	
320M	16QAM	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	21.21	3	22.5	
	QPSK	Channel		39725	40173	40620	42088	43535	SCPP	MPR	Max. Time-up (dBm)
		Frequency (MHz)		39725.5	39483	3993	3937.5	3982.5			
		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	24.11	0	25.5	
40M	16QAM	1	74	24.00	24.05	24.09	23.90	23.97	0	25.5	
		36	0	23.13	23.06	22.91	22.95	22.91	1	24.5	
		36	19	23.14	23.11	23.10	23.02	23.07	1	24.5	
		36	39	23.09	22.90	22.84	22.82	22.73	1	24.5	
		75	0	23.18	23.00	22.89	23.02	23.00	1	24.5	
80M	64QAM	1	0	23.03	23.04	22.95	23.20	23.12	1	24.5	
		1	37	23.24	23.36	23.29	23.02	23.03	1	24.5	
		1	74	23.05	23.03	22.90	23.05	23.03	1	24.5	
		36	0	22.09	22.13	22.24	22.21	22.05	2	23.5	
		36	19	22.14	21.87	21.98	21.99	22.00	2	23.5	
160M	64QAM	36	39	22.17	22.05	21.94	22.09	22.22	2	23.5	
		75	0	22.26	22.21	22.13	22.18	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	21.75	21.95	21.95	2	23.5	
		1	74	21.80	21.87	21.78	22.03	21.97	2	23.5	
320M	64QAM	36	0	20.90	20.98	20.94	20.99	21.09	3	22.5	
		36	19	21.00	21.01	21.01	20.99	21.05	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	20.92	3	22.5	
40M	QPSK	Channel <td></td> <td>39720</td> <td>40160</td> <td>40620</td> <td>42080</td> <td>43540</td> <td>SCPP</td> <td>MPR</td> <td>Max. Time-up (dBm)</td>		39720	40160	40620	42080	43540	SCPP	MPR	Max. Time-up (dBm)
		Frequency (MHz)		39720.5	39460	39970	42070	43530			
		1	0	24.20	24.04	24.02	24.07	24.03	0	25.5	
		1	24	24.30	24.14	24.10	24.30	24.15	0	25.5	
		1	49	24.08	23.98	24.19	23.93	23.93	0	25.5	
80M	16QAM	25	0	23.03	23.07	22.97	22.87	22.89	1	24.5	
		25	12	23.12	23.12	23.11	23.02	23.06	1	24.5	
		25	25	23.05	22.90	22.86	22.93	22.74	1	24.5	
		50	0	23.23	23.06	22.89	23.05	23.00	1	24.5	
		1	0	22.94	23.10	22.98	23.20	23.16	1	24.5	
160M	64QAM	1	24	23.21	22.98	23.12	22.82	22.98	1	24.5	
		49	0	22.98	23.08	23.12	23.04	23.04	1	24.5	
		25	0	22.12	22.08	22.28	22.15	22.10	2	23.5	
		25	12	22.20	21.85	21.92	21.95	21.98	2	23.5	
		25	25	22.15	21.99	21.88	22.19	22.14	2	23.5	
320M	64QAM	50	0	22.21	22.18	22.09	22.13	22.13	2	23.5	
		0	19.92	21.81	21.80	21.83	21.75	2	23.5		
		1	24	22.08	21.99	22.01	21.89	21.98	2	23.5	
		1	49	21.80	21.86	21.79	22.00	21.91	2	23.5	
		25	0	20.82	20.97	20.96	20.94	21.03	3	22.5	
40M	QPSK	25	12	21.01	21.02	21.03	21.03	21.03	1	24.5	
		25	25	21.06	21.04	20.95	20.94	21.12	3	22.5	
		50	0	20.95	21.07	21.09	21.13	20.95	3	22.5	
80M	QPSK	Channel <td></td> <td>39675</td> <td>40168</td> <td>40620</td> <td>42083</td> <td>43565</td> <td>SCPP</td> <td>MPR</td> <td>Max. Time-up (dBm)</td>		39675	40168	40620	42083	43565	SCPP	MPR	Max. Time-up (dBm)
		Frequency (MHz)		39685.5	40168	39915	39615	39565			
		1	0	24.12	24.01	24.02	24.07	24.01	0	25.5	
		1	12	24.31	24.19	24.19	24.27	24.17	0	25.5	
		1	24	24.06	24.04	24.09	23.88	23.90	0	25.5	
160M	64QAM	12	0	23.08	23.08	22.99	22.89	22.92	1	24.5	
		12	6	23.14	23.09	23.15	22.96	22.91	1	24.5	
		12	13	23.07	23.02	22.86	22.86	22.71	1	24.5	
		25	0	23.24	23.05	22.95	23.00	23.05	1	24.5	
		1	0	22.95	23.08	23.03	23.23	23.05	1	24.5	
320M	64QAM	1	12	23.19	22.96	23.14	22.77	22.87	1	24.5	
		12	6	24.16	24.08	24.10	23.98	23.98	1	24.5	
		12	0	23.14	23.13	23.21	23.24	23.27	2	23.5	
		12	6	22.14	21.95	21.92	21.94	22.00	2	23.5	
		12	13	22.11	22.08	21.93	22.13	22.13	2	23.5	
40M	QPSK	25	0	22.23	22.17	21.99	22.22	22.19	2	23.5	
		12	6	21.98	21.84	21.84	21.80	21.79	2	23.5	
		1	12	22.06	22.03	22.00	21.92	21.97	2	23.5	
		1	24	21.83	21.90	21.85	22.09	21.92	2	23.5	
		12	0	20.83	20.80	21.00	20.94	21.11	3	22.5	
80M	64QAM	12	6	21.98	21.98	21.99	21.99	21.94	3	22.5	
		12	13	21.01	20.97	21.03	20.94	21.10	3	22.5	
		25	0	20.91	20.97	21.10	21.08	20.94	3	22.5	

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	RB Size	RB Offset	Low	Mid	High
		Channel		1800	1805	1810
20M	QPSK	Frequency (MHz)		1800	1805	1810
		1	0	17.62	17.57	17.55
		1	90	17.80	17.77	17.80
		1	99	17.53	17.57	17.57
		50	0	17.85	17.66	17.77
	16QAM	50	25	17.71	17.59	17.66
		50	90	17.74	17.60	17.66
		100	0	17.77	17.55	17.73
		1	0	17.79	17.85	17.87
		1	50	17.78	17.79	17.87
20M	16QAM	1	99	17.66	17.73	17.72
		50	0	17.73	17.53	17.76
		50	25	17.81	17.70	17.82
		50	50	17.65	17.58	17.72
		100	0	17.72	17.58	17.76
	64QAM	1	0	17.85	17.82	17.82
		1	50	17.64	17.70	17.75
		1	99	17.67	17.79	17.71
		50	0	17.65	17.58	17.74
		50	50	17.75	17.43	17.65
20M	QPSK	Channel		18075	18090	18120
		Frequency (MHz)		18075	18090	18120
		1	0	17.69	17.54	17.56
		1	37	17.77	17.70	17.78
		1	74	17.45	17.48	17.52
	16QAM	36	0	17.75	17.59	17.68
		36	19	17.62	17.53	17.68
		36	39	17.62	17.55	17.57
		75	0	17.72	17.44	17.69
		1	0	17.77	17.80	17.85
15M	16QAM	1	37	17.72	17.73	17.78
		1	74	17.76	17.76	17.79
		36	39	17.73	17.43	17.71
		36	19	17.73	17.62	17.71
		36	39	17.53	17.57	17.61
	64QAM	75	0	17.62	17.51	17.68
		1	0	17.61	17.56	17.77
		1	37	17.57	17.65	17.74
		1	74	17.62	17.67	17.59
		36	0	17.62	17.56	17.74
20M	QPSK	Channel		18050	18060	18030
		Frequency (MHz)		18050	18060	18030
		1	0	17.61	17.53	17.59
		1	24	17.72	17.68	17.78
		1	49	17.47	17.49	17.51
	16QAM	25	0	17.82	17.59	17.72
		25	12	17.68	17.55	17.58
		25	25	17.65	17.56	17.57
		50	0	17.62	17.51	17.71
		1	0	17.75	17.73	17.78
10M	16QAM	1	24	17.74	17.77	17.75
		1	49	17.78	17.69	17.71
		25	0	17.66	17.43	17.76
		25	12	17.80	17.60	17.77
		25	25	17.64	17.52	17.61
	64QAM	50	0	17.72	17.50	17.66
		1	0	17.82	17.75	17.71
		1	24	17.54	17.54	17.74
		1	49	17.57	17.72	17.60
		25	0	17.53	17.49	17.66
20M	QPSK	Channel		18025	18030	18075
		Frequency (MHz)		18025	18030	18075
		1	0	17.51	17.53	17.61
		1	12	17.79	17.70	17.79
		1	24	17.47	17.49	17.45
	16QAM	12	0	17.81	17.58	17.66
		12	6	17.66	17.53	17.64
		12	13	17.71	17.59	17.55
		25	0	17.78	17.46	17.67
		1	0	17.71	17.77	17.85
5M	16QAM	1	12	17.67	17.76	17.78
		1	24	17.78	17.71	17.61
		12	0	17.71	17.48	17.71
		12	6	17.66	17.52	17.74
		12	13	17.55	17.54	17.67
	64QAM	25	0	17.65	17.51	17.68
		1	0	17.78	17.74	17.74
		1	12	17.56	17.58	17.73
		1	24	17.56	17.71	17.68
		12	0	17.59	17.50	17.63
20M	QPSK	Channel		18015	18000	18015
		Frequency (MHz)		18015	18000	18015
		1	0	17.53	17.53	17.62
		1	7	17.72	17.75	17.86
		1	14	17.43	17.46	17.47
	16QAM	8	0	17.82	17.61	17.68
		8	3	17.65	17.45	17.70
		8	7	17.66	17.52	17.59
		15	0	17.69	17.56	17.66
		1	0	17.78	17.77	17.84
3M	16QAM	1	7	17.76	17.74	17.83
		1	14	17.74	17.70	17.61
		8	0	17.66	17.44	17.75
		8	3	17.76	17.56	17.70
		8	7	17.62	17.55	17.61
	64QAM	15	0	17.65	17.49	17.72
		1	0	17.83	17.70	17.74
		1	7	17.56	17.59	17.69
		1	14	17.57	17.78	17.66
		8	0	17.54	17.58	17.73
20M	QPSK	Channel		18007	18000	18007
		Frequency (MHz)		18007	18000	18007
		1	0	17.56	17.55	17.55
		1	2	17.74	17.69	17.80
		1	3	17.82	17.56	17.70
	16QAM	3	1	17.67	17.54	17.66
		3	3	17.70	17.57	17.63
		6	0	17.66	17.52	17.67
		1	0	17.66	17.78	17.77
		1	2	17.75	17.78	17.82
1.4M	16QAM	1	5	17.78	17.70	17.68
		3	0	17.66	17.41	17.72
		3	1	17.78	17.69	17.79
		3	3	17.61	17.56	17.63
		6	0	17.70	17.53	17.75
	64QAM	1	0	17.81	17.75	17.72
		1	2	17.60	17.62	17.70
		3	0	17.60	17.72	17.75
		3	3	17.53	17.52	17.66
		3	1	17.67	17.66	17.62

LTE Band 4									
BW	Modulation	RB Size					Max. Time-Offset (dB)		
		Channel	RB Offset	Low	Mid	High			
20M	QPSK	Frequency (MHz)	2050	2075	2080				
		1	0	15.68	15.74	15.72	17		
		1	90	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		
	16QAM	50	25	15.68	15.73	15.67	17		
		50	90	15.54	15.70	15.65	17		
		100	0	15.64	15.76	15.71	17		
		1	0	15.81	15.89	15.90	17		
		1	50	15.86	15.92	15.88	17		
64QAM	1	99	15.61	15.75	15.76	17			
	50	0	15.74	15.81	15.87	17			
	50	25	15.63	15.80	15.78	17			
	50	50	15.67	15.76	15.73	17			
	100	0	15.85	15.81	15.77	17			
20M	QPSK	Channel	20705	20715	20725				
		Frequency (MHz)	20705	20715	20725				
		1	0	15.58	15.70	15.64	17		
		1	37	15.69	15.83	15.79	17		
		1	74	15.27	15.48	15.42	17		
	16QAM	36	0	15.56	15.73	15.73	17		
		36	19	15.62	15.62	15.58	17		
		36	39	15.49	15.63	15.63	17		
		75	0	15.56	15.65	15.66	17		
		1	0	15.74	15.76	15.89	17		
64QAM	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	15.60	15.67	15.62	17			
	36	39	15.72	15.69	15.74	17			
20M	QPSK	Channel	20900	20915	20930				
		Frequency (MHz)	20900	20915	20930				
		1	0	15.63	15.67	15.62	17		
		1	24	15.64	15.85	15.75	17		
		1	49	15.34	15.44	15.51	17		
	16QAM	25	0	15.60	15.69	15.66	17		
		25	12	15.67	15.65	15.55	17		
		25	25	15.66	15.63	15.57	17		
		50	0	15.63	15.63	15.59	17		
		1	0	15.73	15.77	15.80	17		
64QAM	1	24	15.75	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	15.76	15.75	15.77	17			
	25	25	15.71	15.75	15.70	17			
20M	QPSK	Channel	17965	17975	17985				
		Frequency (MHz)	17965	17975	17985				
		1	0	15.64	15.64	15.62	17		
		1	12	15.67	15.89	15.77	17		
		1	24	15.34	15.48	15.51	17		
	16QAM	12	0	15.61	15.78	15.75	17		
		12	6	15.57	15.66	15.61	17		
		12	13	15.43	15.69	15.65	17		
		25	0	15.62	15.64	15.65	17		
		1	0	15.72	15.88	15.85	17		
64QAM	1	12	15.85	15.82	15.85	17			
	1	24	15.50	15.70	15.66	17			
	12	0	15.63	15.77	15.64	17			
	12	6	15.51	15.71	15.62	17			
	12	13	15.57	15.66	15.74	17			
20M	QPSK	Channel	17960	17975	17985				
		Frequency (MHz)	17960	17975	17985				
		1	0	15.61	15.64	15.60	17		
		1	14	15.29	15.49	15.50	17		
		8	0	15.60	15.75	15.65	17		
	16QAM	8	3	15.59	15.63	15.65	17		
		8	7	15.48	15.68	15.65	17		
		15	0	15.55	15.70	15.68	17		
		1	0	15.70	15.83	15.89	17		
		1	7	15.80	15.90	15.95	17		
64QAM	1	14	15.54	15.75	15.75	17			
	8	3	15.52	15.73	15.62	17			
	8	7	15.61	15.71	15.64	17			
	15	0	15.79	15.75	15.80	17			
	1	0	15.77	15.71	15.79	17			
20M	QPSK	Channel	17967	17975	17983				
		Frequency (MHz)	17967	17975	17983				
		1	0	15.65	15.62	15.68	17		
		1	5	15.28	15.43	15.44	17		
		3	0	15.66	15.74	15.73	17		
	16QAM	3	1	15.63	15.72	15.63	17		
		3	3	15.46	15.63	15.63	17		
		6	0	15.62	15.73	15.62	17		
		3	0	15.71	15.87	15.79	17		
		1	2	15.81	15.82	15.83	17		
64QAM	1	5	15.56	15.71	15.60	17			
	3	0	15.69	15.78	15.78	17			
	3	1	15.56	15.73	15.64	17			
	3	3	15.66	15.73	15.70	17			
	6	0	15.79	15.74	15.74	17			
20M	QPSK	Channel	17972	17983	17983				
		Frequency (MHz)	17972	17983	17983				
		1	0	15.65	15.62	15.68	17		
		1	2	15.29	15.43	15.44	17		
		1	5	15.28	15.43	15.44	17		
	16QAM	3	0	15.66	15.74	15.73	17		
		3	1	15.63	15.72	15.63	17		
		3	3	15.46	15.63	15.63	17		
		6	0	15.62	15.73	15.62	17		
		3	0	15.71	15.87	15.79	17		
64QAM	1	2	15.81	15.79	15.79	17			
	1	14	15.49	15.65	15.75	17			
	8	0	15.67	15.71	15.77	17			
	8	3	15.72	15.75	15.76	17			
	15	0	15.79	15.78	15.78	17			
20M	QPSK	Channel	17987	17983	17983				
		Frequency (MHz)	17987	17983	17983				
		1	0	15.65	15.62	15.68	17		
		1	5	15.28	15.43	15.44	17		
		3	0	15.66	15.74	15.73	17		
	16QAM	3	1	15.63	15.72	15.63	17		
		3	3	15.46	15.63	15.63	17		
		6	0	15.62	15.73	15.62	17		
		3	0	15.71	15.87	15.79	17		
		1	2	15.81	15.82	15.83	17		
64QAM	1	5	15.56	15.71	15.60	17			
	3	0	15.69	15.78	15.78	17			
	3	1	15.56	15.73	15.64	17			
	3	3	15.66	15.73	15.70	17			
	6	0	15.79	15.74	15.74	17			

LTE Band 7								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)	
		Channel		20550	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	
		50	50	19.88	19.97	19.94	21	
	16QAM	1	0	19.96	19.96	19.88	21	
		1	0	19.91	19.87	19.80	21	
		1	50	19.91	19.89	19.96	21	
		1	99	19.83	19.99	19.77	21	
		50	0	19.98	19.93	19.96	21	
		50	25	19.93	19.95	19.93	21	
15M	QPSK	1	0	19.82	19.87	19.80	21	
		1	50	19.90	19.89	19.78	21	
		1	99	19.83	19.98	19.89	21	
		50	0	19.88	19.92	19.91	21	
		50	25	19.99	19.97	20.03	21	
		50	50	19.99	19.95	19.95	21	
	16QAM	100	0	19.95	19.94	19.83	21	
		Channel	20625	21100	21375	Max. Time-up (dBm)		
		Frequency (MHz)	2507.5	2535	2562.5			
		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	
10M	QPSK	36	19	19.83	19.90	19.94	21	
		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	
	16QAM	36	0	19.88	19.93	19.92	21	
		36	19	19.86	19.86	19.92	21	
		36	39	19.81	19.87	19.78	21	
		75	0	19.77	19.86	19.90	21	
		1	0	19.76	19.78	19.70	21	
		1	37	19.85	19.88	19.72	21	
5M	QPSK	1	74	19.73	19.93	19.77	21	
		36	0	19.83	19.90	19.94	21	
		36	19	19.90	19.91	19.99	21	
		36	39	19.93	19.86	19.91	21	
		75	0	19.83	19.85	19.71	21	
		Channel	20800	21100	21400	Max. Time-up (dBm)		
	10M	QPSK	Frequency (MHz)	2505	2535	2565		
			1	0	19.66	19.71	19.73	
			1	24	19.87	19.93	19.95	21
			1	49	19.82	19.84	19.66	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	
		25	0	19.90	19.89	19.91	21	
5M	QPSK	25	12	19.81	19.86	19.91	21	
		25	25	19.82	19.87	19.84	21	
		50	0	19.81	19.86	19.93	21	
		1	0	19.79	19.83	19.77	21	
		1	24	19.86	19.86	19.75	21	
		1	49	19.76	19.96	19.86	21	
	16QAM	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	
		50	0	19.86	19.84	19.74	21	
		Channel	20775	21100	21400	Max. Time-up (dBm)		
		Frequency (MHz)	2502.5	2535	2567.5			
5M	QPSK	1	0	19.67	19.76	19.70		
		1	12	19.90	19.97	19.97	21	
		1	24	19.79	19.86	19.68	21	
		12	0	19.89	19.88	19.91	21	
		12	6	19.82	19.92	20.05	21	
		12	13	19.80	19.90	19.93	21	
	16QAM	25	0	19.88	19.95	19.98	21	
		1	0	19.82	19.81	19.76	21	
		1	12	19.81	19.94	19.89	21	
		1	24	19.77	19.88	19.77	21	
		12	0	19.95	19.92	19.93	21	
		12	6	19.88	19.91	19.87	21	
64QAM	12	13	19.81	19.97	19.79	21		
	25	0	19.77	19.83	19.92	21		
	1	0	19.82	19.84	19.72	21		
	1	12	19.86	19.81	19.75	21		
	1	24	19.79	19.90	19.77	21		
	12	0	19.91	19.90	19.94	21		

LTE Band 13								
BW	Modulation	RB Size	RB Offset	Mu	SCPP MPR (dB)	Max. Time-up (dBm)		
		Channel		23230				
		Frequency (MHz)		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		
		25	25	23.18	1	24.5		
		50	0	23.20	1	24.5		
	16QAM	1	24	23.28	1	24.5		
		1	49	23.21	1	24.5		
		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		
		64QAM	1	0	22.18	2	23.5	
	1		24	22.25	2	23.5		
	1		49	22.20	2	23.5		
	25		0	21.06	3	22.5		
	25		12	21.32	3	22.5		
	25		25	20.99	3	22.5		
	50		0	21.18	3	22.5		
	BW	Modulation	Channel	23205	23230	23255	SCPP MPR (dB)	Max. Time-up (dBm)
5M	QPSK	Frequency (MHz)	778.5	782	784.5			
		1	0	24.10	24.06	24.05	0	25.5
		1	12	24.25	24.26	24.27	0	25.5
		1	24	24.03	24.03	23.98	0	25.5
		12	0	23.18	23.13	23.22	1	24.5
		12	6	23.24	23.15	23.20	1	24.5
		12	13	23.08	23.12	23.11	1	24.5
	16QAM	25	0	23.18	23.13	23.15	1	24.5
		1	0	23.26	23.28	23.21	1	24.5
		1	12	23.22	23.23	23.22	1	24.5
		1	24	23.12	23.11	23.11	1	24.5
		12	0	22.20	22.15	22.14	2	23.5
		12	6	22.11	22.10	22.17	2	23.5
		12	13	22.06	22.15	22.08	2	23.5
	64QAM	25	0	22.12	22.04	22.08	2	23.5
		1	0	22.15	22.09	22.13	2	23.5
		1	12	22.14	22.20	22.21	2	23.5
		1	24	22.15	22.11	22.17	2	23.5
		12	0	20.94	21.00	21.04	3	22.5
		12	6	21.25	21.24	21.30	3	22.5
		12	13	20.96	20.90	20.90	3	22.5
		25	0	21.10	21.16	21.13	3	22.5

LTE Band 26								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)	
		Channel		26765	26965	26965		
15M	QPSK	Frequency (MHz)		821.5	831.5	841.5		
		1	0	23.55	23.62	23.56	25	
		1	37	23.72	23.82	23.74	25	
		1	74	23.70	23.62	23.70	25	
		36	0	22.84	22.90	22.77	24.5	
		36	19	22.72	23.02	22.92	24.5	
		36	39	22.90	22.95	22.94	24.5	
	16QAM	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	
		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	
	64QAM	75	0	22.02	22.13	22.18	23.5	
		1	0	21.98	21.83	21.91	23.5	
		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	20.84	21.08	20.85	22.5	
		36	39	21.15	21.02	21.31	22.5	
	BW	Modulation	Channel		26765	26965	26965	Max. Time-up (dBm)
		Frequency (MHz)		821.5	831.5	841.5		
	10M	QPSK	1	0	23.52	23.56	23.48	25
1			24	23.72	23.83	23.76	25	
1			49	23.62	23.63	23.60	25	
25			0	22.73	22.84	22.73	24.5	
25			12	22.62	23.00	22.86	24.5	
25			25	22.79	22.90	22.92	24.5	
50			0	22.94	22.86	22.71	24.5	
16QAM		1	0	23.03	23.08	23.02	24.5	
		1	24	23.14	23.24	23.18	24.5	
		1	49	22.96	23.02	23.02	24.5	
		25	0	21.97	22.00	22.22	23.5	
		25	12	22.14	21.99	22.00	23.5	
		25	25	21.78	22.03	21.89	23.5	
		50	0	21.95	22.06	22.18	23.5	
64QAM		1	0	21.92	21.87	21.87	23.5	
		1	24	21.90	21.90	21.97	23.5	
		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	20.12	20.95	21.29	22.5	
		50	0	20.92	21.00	20.95	22.5	
BW		Modulation	Channel		26765	26965	26965	Max. Time-up (dBm)
		Frequency (MHz)		821.5	831.5	841.5		
5M		QPSK	1	0	23.46	23.61	23.46	25
	1		12	23.69	23.71	23.71	25	
	1		24	23.65	23.63	23.64	25	
	12		0	22.80	22.93	22.82	24.5	
	12		6	22.80	22.93	22.86	24.5	
	12		13	22.84	22.87	22.91	24.5	
	25		0	22.88	22.91	22.69	24.5	
	16QAM	1	0	23.09	22.99	22.91	24.5	
		1	12	23.08	23.18	23.20	24.5	
		1	24	23.07	23.10	23.07	24.5	
		12	0	21.98	21.98	22.23	23.5	
		12	6	22.07	22.00	22.02	23.5	
		12	13	21.79	22.01	21.99	23.5	
		25	0	21.97	22.06	22.17	23.5	
	64QAM	1	0	21.95	21.83	21.85	23.5	
		1	12	21.95	21.97	22.07	23.5	
		1	24	21.95	21.77	21.88	23.5	
		12	0	20.99	20.84	20.96	22.5	
		12	6	20.94	21.00	20.73	22.5	
		12	13	20.93	20.94	21.19	22.5	
		25	0	20.97	21.01	20.95	22.5	
	BW	Modulation	Channel		26765	26965	26965	Max. Time-up (dBm)
		Frequency (MHz)		821.5	831.5	841.5		
	3M	QPSK	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	
8			3	22.71	22.88	22.81	24.5	
8			7	22.85	22.93	22.90	24.5	
15			0	22.96	22.90	22.74	24.5	
16QAM		1	0	23.08	22.98	22.96	24.5	
		1	7	23.10	23.18	23.10	24.5	
		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	22.01	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	21.88	22.00	23.5	
		1	14	21.96	21.89	21.89	23.5	
		8	0	20.95	20.87	20.96	22.5	
		8	3	21.01	21.00	20.79	22.5	
		8	7	21.13	20.92	21.23	22.5	
		15	0	20.97	21.04	21.04	22.5	
BW		Modulation	Channel		26967	26965	27033	Max. Time-up (dBm)
		Frequency (MHz)		841.5	841.5	841.5		
1.4M		QPSK	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	
	3		0	23.30	23.36	23.16	25	
	3		1	23.20	23.40	23.43	25	
	3		3	23.28	23.36	23.38	25	
	6		0	23.03	23.07	22.69	24.5	
	16QAM	1	0	23.01	23.07	22.91	24.5	
		1	2	23.05	23.24	23.21	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	22.58	22.53	24.5	
		3	3	22.63	22.58	22.44	24.5	
		6	0	21.96	22.11	22.05	24.5	
	64QAM	1	0	21.95	21.76	21.88	23.5	
		1	2	21.87	21.96	21.98	23.5	
		1	5	21.88	21.75	21.83	23.5	
		3	0	21.44	21.59	21.44	23.5	
		3	1	21.47	21.52	21.30	23.5	
		3	3	21.58	21.50	21.60	23.5	
		6	0	20.95	21.11	20.98	22.5	

LTE Band 38						
BW	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel	Frequency (MHz)	2000	2005	2010
ZSM	QPSK	1	0	20.63	20.58	20.53
		1	50	20.63	20.73	20.78
		1	99	20.58	20.68	20.67
		50	0	20.58	20.51	20.40
		50	25	20.63	20.66	20.61
		50	50	20.57	20.45	20.40
		100	0	20.60	20.62	20.64
		1	0	20.50	20.49	20.52
		1	50	20.70	20.56	20.59
		1	99	20.54	20.53	20.44
ZSM	16QAM	50	0	20.45	20.58	20.41
		50	25	20.57	20.51	20.42
		50	50	20.61	20.53	20.65
		100	0	20.67	20.74	20.75
		1	0	20.48	20.46	20.40
		1	50	20.61	20.38	20.54
		1	99	20.52	20.42	20.50
		50	0	20.34	20.35	20.10
		50	25	20.59	20.51	20.51
		50	50	20.22	20.31	20.37
ZSM	64QAM	100	0	20.54	20.54	20.56
		Channel	17920	38936	39172	Max. Turn-up (dBm)
BW	Modulation	Frequency (MHz)	2007.5	2008	2012.5	2013
		1	0	20.54	20.53	20.43
		1	37	20.74	20.65	20.69
		1	74	20.53	20.65	20.58
		38	0	20.48	20.47	20.20
		38	19	20.58	20.56	20.59
		38	39	20.55	20.49	20.54
		75	0	20.34	20.43	20.40
		1	0	20.30	20.43	20.51
		1	37	20.59	20.49	20.48
ZSM	16QAM	1	74	20.51	20.48	20.36
		38	0	20.54	20.34	20.34
		38	19	20.55	20.46	20.39
		38	39	20.58	20.44	20.62
		75	0	20.48	20.50	20.40
		1	0	20.40	20.39	20.34
		1	37	20.57	20.51	20.48
		1	74	20.48	20.55	20.46
		38	0	20.31	20.18	20.05
		38	19	20.53	20.47	20.39
ZSM	64QAM	38	39	20.52	20.41	20.30
		75	0	20.47	20.50	20.40
BW	Modulation	Channel	37920	38936	39200	Max. Turn-up (dBm)
		Frequency (MHz)	2017.5	2005	2015	2015
ZSM	QPSK	1	24	20.76	20.70	20.65
		1	49	20.54	20.60	20.53
		25	0	20.55	20.46	20.32
		25	12	20.67	20.65	20.57
		25	25	20.54	20.53	20.52
		50	0	20.48	20.50	20.53
		1	0	20.40	20.49	20.42
		1	24	20.60	20.55	20.48
		1	49	20.44	20.43	20.41
		25	0	20.36	20.30	20.39
ZSM	16QAM	25	12	20.53	20.40	20.41
		25	25	20.50	20.43	20.59
		50	0	20.62	20.63	20.74
		1	0	20.39	20.37	20.30
		1	24	20.58	20.57	20.44
		1	49	20.51	20.37	20.40
		25	0	20.34	20.23	20.00
		25	12	20.48	20.50	20.50
		25	25	20.22	20.42	20.38
		50	0	20.48	20.42	20.48
BW	Modulation	Channel	37776	38968	39200	Max. Turn-up (dBm)
		Frequency (MHz)	2017.5	2005	2017.5	2017.5
ZSM	QPSK	1	0	20.60	20.48	20.43
		1	12	20.76	20.68	20.74
		1	24	20.48	20.67	20.48
		12	0	20.48	20.51	20.34
		12	6	20.59	20.61	20.54
		12	13	20.58	20.49	20.60
		25	0	20.53	20.59	20.61
		1	0	20.42	20.38	20.49
		1	12	20.63	20.46	20.46
		1	24	20.44	20.49	20.37
ZSM	16QAM	12	0	20.44	20.51	20.30
		12	6	20.48	20.49	20.32
		12	13	20.55	20.50	20.58
		25	0	20.63	20.63	20.65
		1	0	20.48	20.38	20.34
		1	12	20.65	20.59	20.43
		1	24	20.48	20.37	20.38
		12	0	20.38	20.21	20.02
		12	6	20.44	20.49	20.44
		12	13	20.17	20.40	20.36
ZSM	64QAM	25	0	20.52	20.46	20.50

LTE Band 41 (2496 – 2600MHz)									
BW	Modulation	RB Size (RBs)	RB Offset (RBs)	Low	Low Mid	Mid	High Mid	High	Max. Time-up (ms)
				Channel Frequency (MHz)	39700 40100	40200 40500	40600 41000	41100	
ZSM	QPSK	1	0	20.65	20.63	20.57	20.57	20.68	22
		1	50	20.58	20.68	20.64	20.71	20.77	22
		1	99	20.51	20.54	20.37	20.45	20.46	22
		50	0	20.57	20.42	20.48	20.48	20.48	22
		50	25	20.62	20.58	20.53	20.60	20.60	22
		50	50	20.36	20.45	20.43	20.48	20.53	22
		100	0	20.71	20.53	20.67	20.68	20.68	22
		1	0	20.34	20.30	20.24	20.28	20.27	22
		1	50	20.59	20.54	20.48	20.50	20.56	22
		1	99	20.32	20.08	20.50	20.19	20.51	22
ZSM	16QAM	50	0	20.45	20.32	20.35	20.41	20.47	22
		50	25	20.50	20.38	20.34	20.52	20.55	22
		50	50	20.54	20.48	20.44	20.58	20.60	22
		100	0	20.70	20.68	20.58	20.76	20.74	22
		1	0	20.28	20.20	20.17	20.20	20.11	22
		1	50	20.42	20.41	20.26	20.43	20.48	22
		1	99	20.17	20.29	20.11	20.43	20.21	22
		50	0	20.21	20.28	20.43	20.32	20.37	22
		50	25	20.42	20.44	20.27	20.49	20.47	22
		50	50	20.39	20.38	20.34	20.47	20.47	22
ZSM	64QAM	100	0	20.31	20.44	20.50	20.35	20.34	22
		Channel	39725	40175	40525	41000	41150		
		Frequency (MHz)	2496.5	2496.5	2500	2501.5	2507.5	2508	
		1	0	20.57	20.59	20.56	20.64	20.66	22
		1	37	20.80	20.56	20.58	20.69	20.71	22
		1	74	20.46	20.45	20.27	20.41	20.48	22
		38	0	20.51	20.31	20.40	20.46	20.48	22
		38	19	20.58	20.56	20.56	20.48	20.51	22
		38	39	20.55	20.34	20.40	20.38	20.45	22
		75	0	20.61	20.42	20.61	20.43	20.57	22
ZSM	16QAM	1	0	20.30	20.29	20.18	20.24	20.16	22
		1	37	20.54	20.47	20.42	20.48	20.47	22
		1	74	20.29	20.02	20.17	20.24	20.19	22
		38	0	20.42	20.27	20.24	20.43	20.38	22
		38	19	20.41	20.34	20.26	20.51	20.52	22
		38	39	20.46	20.41	20.19	20.46	20.46	22
		75	0	20.48	20.62	20.57	20.70	20.67	22
		1	0	20.22	20.12	20.07	20.17	20.00	22
		1	37	20.34	20.38	20.26	20.37	20.36	22
		1	74	20.07	20.25	20.04	20.36	20.19	22
ZSM	64QAM	38	0	20.13	20.28	20.34	20.20	20.28	22
		38	19	20.33	20.38	20.22	20.20	20.35	22
		38	39	20.25	20.59	20.32	20.38	20.36	22
		75	0	20.21	20.40	20.40	20.25	20.30	22
		Channel	39750	40200	40620	41000	41540		
		Frequency (MHz)	2501	2507	2505	2508	2514	2516	
		1	24	20.74	20.64	20.58	20.70	20.68	22
		1	49	20.44	20.52	20.28	20.34	20.54	22
		25	0	20.51	20.38	20.49	20.45	20.49	22
		25	12	20.60	20.61	20.48	20.52	20.56	22
25	25	20.48	20.39	20.37	20.37	20.43	22		
50	0	20.69	20.52	20.61	20.56	20.56	22		
ZSM	16QAM	1	0	20.27	20.21	20.23	20.23	20.18	22
		1	24	20.55	20.50	20.46	20.49	20.48	22
		1	49	20.20	19.98	20.11	20.17	20.14	22
		25	0	20.36	20.39	20.24	20.35	20.36	22
		25	12	20.45	20.30	20.22	20.44	20.47	22
		25	25	20.44	20.48	20.27	20.41	20.37	22
		50	0	20.62	20.62	20.55	20.66	20.65	22
		1	0	20.25	20.08	20.15	20.18	20.09	22
		1	24	20.39	20.41	20.32	20.45	20.45	22
		1	49	20.13	20.25	20.07	20.36	20.19	22
ZSM	QPSK	25	0	20.12	20.22	20.38	20.27	20.30	22
		25	12	20.41	20.33	20.19	20.17	20.35	22
		25	25	20.20	20.34	20.28	20.28	20.35	22
		50	0	20.19	20.42	20.49	20.33	20.35	22
		Channel	39815	40148	40528	41000	41580		
		Frequency (MHz)	2501.5	2506.5	2505	2507.5	2513.5	2516	
		1	0	20.58	20.62	20.54	20.63	20.65	22
		1	12	20.73	20.67	20.62	20.71	20.69	22
		1	24	20.43	20.46	20.26	20.38	20.60	22
		12	0	20.46	20.41	20.32	20.44	20.44	22
12	6	20.50	20.57	20.42	20.54	20.49	22		
12	13	20.47	20.38	20.37	20.37	20.43	22		
25	0	20.61	20.43	20.58	20.67	20.67	22		
ZSM	16QAM	1	0	20.31	20.23	20.14	20.23	20.24	22
		1	12	20.50	20.43	20.45	20.40	20.51	22
		1	24	20.27	20.00	20.16	20.12	20.12	22
		12	0	20.38	20.20	20.23	20.48	20.43	22
		12	6	20.47	20.27	20.33	20.44	20.50	22
		12	13	20.52	20.39	20.17	20.41	20.27	22
		25	0	20.68	20.58	20.54	20.74	20.61	22
		1	0	20.22	20.11	20.08	20.17	20.10	22
		1	12	20.36	20.36	20.26	20.09	20.25	22
		1	24	20.07	20.07	20.07	20.12	20.12	22
ZSM	64QAM	12	0	20.14	20.23	20.38	20.31	20.27	22
		12	6	20.32	20.32	20.25	20.21	20.23	22
		12	13	20.38	20.29	20.22	20.21	20.27	22
		25	0	20.28	20.39	20.49	20.32	20.37	22
		25	0	20.28	20.39	20.49	20.32	20.37	22

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	810	
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	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	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 2									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Channel (dBm)	Max. Tx Power (dBm)	
		Channel	Frequency (MHz)	1500	1500	1500			
3M	QPSK	1	0	15.67	15.61	15.69	21		
		1	39	15.59	15.55	15.66	21		
		50	0	15.78	15.67	15.82	21		
		50	25	15.69	15.66	15.73	21		
		50	50	15.58	15.57	15.65	21		
		100	0	15.62	15.64	15.78	21		
		1	39	15.58	15.55	15.61	21		
		1	50	15.65	15.75	15.85	21		
		1	99	15.66	15.67	15.77	21		
		50	2	15.77	15.69	15.71	21		
1.4M	16QAM	1	0	15.74	15.69	15.79	21		
		50	25	15.73	15.64	15.82	21		
		100	0	15.68	15.68	15.73	21		
		1	0	15.60	15.43	15.58	21		
		1	50	15.74	15.66	15.78	21		
		1	99	15.65	15.61	15.71	21		
		50	0	15.65	15.61	15.71	21		
		50	25	15.78	15.64	15.82	21		
		100	0	15.74	15.74	15.73	21		
		100	0	15.74	15.74	15.73	21		
3M	QPSK	Channel	1500	1500	1500	1500	Max. Tx Power (dBm)		
		Frequency (MHz)	1500	1500	1500	1500	Max. Tx Power (dBm)		
		1	0	15.55	15.51	15.58	21		
		1	37	15.78	15.75	15.84	21		
		1	74	15.51	15.49	15.57	21		
		36	0	15.78	15.67	15.72	21		
		36	19	15.56	15.53	15.70	21		
		36	36	15.46	15.46	15.55	21		
		75	0	15.58	15.53	15.68	21		
		1	0	15.54	15.50	15.48	21		
1.4M	16QAM	1	37	15.78	15.75	15.76	21		
		1	74	15.64	15.65	15.65	21		
		36	0	15.75	15.59	15.61	21		
		36	19	15.46	15.44	15.76	21		
		36	39	15.49	15.35	15.59	21		
		75	0	15.67	15.62	15.73	21		
		1	37	15.65	15.56	15.48	21		
		1	37	15.65	15.61	15.71	21		
		1	74	15.55	15.61	15.66	21		
		36	19	15.78	15.67	15.71	21		
3M	QPSK	Channel	1500	1500	1500	1500	Max. Tx Power (dBm)		
		Frequency (MHz)	1500	1500	1500	1500	Max. Tx Power (dBm)		
		1	0	15.57	15.59	15.57	21		
		1	24	15.75	15.70	15.78	21		
		1	49	15.54	15.45	15.50	21		
		25	0	15.77	15.56	15.78	21		
		25	12	15.66	15.54	15.72	21		
		25	25	15.45	15.48	15.55	21		
		50	0	15.52	15.57	15.72	21		
		1	0	15.56	15.43	15.58	21		
1.4M	16QAM	Channel	1500	1500	1500	1500	Max. Tx Power (dBm)		
		Frequency (MHz)	1500	1500	1500	1500	Max. Tx Power (dBm)		
		1	12	15.60	15.64	15.63	21		
		1	24	15.54	15.57	15.75	21		
		12	0	15.68	15.60	15.64	21		
		12	6	15.71	15.58	15.67	21		
		12	13	15.43	15.42	15.54	21		
		25	0	15.61	15.57	15.71	21		
		1	0	15.53	15.38	15.50	21		
		1	12	15.62	15.61	15.75	21		
3M	QPSK	Channel	1500	1500	1500	1500	Max. Tx Power (dBm)		
		Frequency (MHz)	1500	1500	1500	1500	Max. Tx Power (dBm)		
		1	0	15.67	15.53	15.64	21		
		1	12	15.74	15.71	15.84	21		
		1	24	15.50	15.42	15.58	21		
		12	0	15.74	15.64	15.77	21		
		12	6	15.63	15.53	15.69	21		
		12	13	15.54	15.45	15.62	21		
		25	0	15.55	15.56	15.78	21		
		1	0	15.50	15.51	15.54	21		
1.4M	16QAM	Channel	1500	1500	1500	1500	Max. Tx Power (dBm)		
		Frequency (MHz)	1500	1500	1500	1500	Max. Tx Power (dBm)		
		1	12	15.60	15.64	15.63	21		
		1	24	15.54	15.57	15.75	21		
		12	0	15.68	15.60	15.64	21		
		12	6	15.71	15.58	15.67	21		
		12	13	15.43	15.42	15.54	21		
		25	0	15.61	15.57	15.71	21		
		1	0	15.53	15.38	15.50	21		
		1	12	15.62	15.61	15.75	21		
3M	QPSK	Channel	1500	1500	1500	1500	Max. Tx Power (dBm)		
		Frequency (MHz)	1500	1500	1500	1500	Max. Tx Power (dBm)		
		1	0	15.67	15.53	15.64	21		
		1	12	15.74	15.71	15.84	21		
		1	24	15.50	15.42	15.58	21		
		12	0	15.74	15.64	15.77	21		
		12	6	15.63	15.53	15.69	21		
		12	13	15.54	15.45	15.62	21		
		25	0	15.55	15.56	15.78	21		
		1	0	15.50	15.51	15.54	21		
1.4M	16QAM	Channel	1500	1500	1500	1500	Max. Tx Power (dBm)		
		Frequency (MHz)	1500	1500	1500	1500	Max. Tx Power (dBm)		
		1	12	15.60	15.64	15.63	21		
		1	24	15.54	15.57	15.75	21		
		12	0	15.68	15.60	15.64	21		
		12	6	15.71	15.58	15.67	21		
		12	13	15.43	15.42	15.54	21		
		25	0	15.61	15.57	15.71	21		
		1	0	15.53	15.38	15.50	21		
		1	12	15.62	15.61	15.75	21		

LTE Band 7									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)		
		Channel	Frequency (MHz)	2010	2020	2030			
1.4M	QPSK	1	0	19.37	19.46	19.70	21		
		1	50	19.40	19.48	19.70	21		
		1	90	19.81	19.85	19.70	21		
		50	0	19.58	19.50	19.82	21		
		50	25	19.55	19.55	19.82	21		
		50	60	19.42	19.59	19.84	21		
		100	0	19.47	19.53	19.82	21		
		1	0	19.37	19.37	19.81	21		
		1	50	19.82	19.59	19.82	21		
		1	90	19.43	19.46	19.43	21		
3M	16QAM	50	0	19.40	19.46	19.39	21		
		50	25	19.49	19.55	19.58	21		
		50	50	19.43	19.48	19.39	21		
		100	0	19.52	19.52	19.34	21		
		1	0	19.26	19.59	19.29	21		
		1	50	19.81	19.82	19.50	21		
		1	90	19.37	19.81	19.54	21		
		50	0	19.18	19.12	19.09	21		
		50	25	19.58	19.82	19.53	21		
		50	50	19.52	19.32	19.34	21		
5M	64QAM	100	0	19.24	19.39	19.26	21		
		Channel	2010	2100	2170	Max. Time-up (dBm)			
		1	0	19.36	19.41	19.34	21		
		1	37	19.85	19.59	19.78	21		
		1	74	19.80	19.56	19.84	21		
		38	0	19.56	19.41	19.50	21		
		38	10	19.46	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		
1.4M	16QAM	1	0	19.50	19.50	19.54	21		
		1	74	19.42	19.39	19.41	21		
		38	0	19.41	19.33	19.32	21		
		38	10	19.48	19.46	19.50	21		
		38	38	19.41	19.45	19.38	21		
		75	0	19.45	19.52	19.48	21		
		1	0	19.25	19.36	19.16	21		
		1	37	19.59	19.52	19.49	21		
		1	74	19.34	19.58	19.54	21		
		38	0	19.11	19.49	19.53	21		
3M	64QAM	38	10	19.45	19.59	19.43	21		
		38	30	19.49	19.24	19.20	21		
		75	0	19.23	19.23	19.23	21		
		Channel	2080	2100	2160	Max. Time-up (dBm)			
		1	0	19.28	19.45	19.18	21		
		1	24	19.81	19.85	19.70	21		
		1	40	19.80	19.80	19.82	21		
		25	0	19.48	19.47	19.57	21		
		25	12	19.44	19.47	19.58	21		
		25	25	19.31	19.52	19.52	21		
1.4M	16QAM	50	0	19.41	19.48	19.41	21		
		1	0	19.20	19.34	19.26	21		
		1	24	19.51	19.58	19.52	21		
		1	40	19.35	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	19.36	19.27	21		
		50	0	19.45	19.54	19.49	21		
		1	0	19.17	19.29	19.27	21		
		1	24	19.59	19.50	19.48	21		
3M	64QAM	1	40	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	19.24	19.18	21		
		50	0	19.23	19.37	19.19	21		
		Channel	2070	2100	2160	Max. Time-up (dBm)			
		1	0	19.26	19.39	19.21	21		
		1	12	19.62	19.58	19.68	21		
		1	24	19.50	19.58	19.68	21		
		12	0	19.55	19.39	19.57	21		
1.4M	16QAM	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		
		1	12	19.57	19.59	19.57	21		
		1	24	19.41	19.38	19.32	21		
		12	0	19.45	19.34	19.31	21		
		12	6	19.46	19.52	19.57	21		
		12	13	19.32	19.42	19.37	21		
		25	0	19.47	19.44	19.43	21		
3M	64QAM	1	0	19.18	19.29	19.20	21		
		1	12	19.60	19.58	19.40	21		
		1	24	19.27	19.55	19.52	21		
		12	0	19.00	19.11	18.99	21		
		12	6	19.52	19.54	19.45	21		
		12	13	19.11	19.21	19.20	21		
		25	0	19.19	19.38	19.15	21		
		Channel	2070	2100	2160	Max. Time-up (dBm)			
		1	0	19.26	19.39	19.21	21		
		1	12	19.62	19.58	19.68	21		

LTE Band 13									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)		
		Channel	Frequency (MHz)	2100	2120	2130			
1.4M	QPSK	1	0	24.12	24.12	24.12	21		
		1	24	24.08	24.08	24.08	21		
		1	40	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	23.39	23.39	23.39	21		
		1	24	23.28	23.28	23.28	21		
		1	40	23.21	23.21	23.21	21		
3M	16QAM	25	0	23.21	23.21	23.21	21		
		25	12	23.22	23.22	23.22	21		
		25	25	22.18	22.18	22.18	21		
		50	0	22.13	22.13	22.13	21		
		1	0	22.18	22.18	22.18	21		
		1	24	22.25	22.25	22.25	21		
		1	40	22.20	22.20	22.20	21		
		25	0	21.05	21.05	21.05	21		
		25	12	21.32	21.32	21.32	21		
		25	25	20.09	20.09	20.09	21		
5M	64QAM	50	0	21.18	21.18	21.18	21		
		Channel	2100	2120	2130	Max. Time-up (dBm)			
		1	0	24.10	24.06	24.06	21		
		1	12	24.25	24.26	24.27	21		
		1	24	24.03	24.03	23.98	21		
		12	0	23.18	23.13	23.22	21		
		12	6	23.24	23.15	23.20	21		
		12	13	23.08	23.12	23.11	21		
		25	0	23.18	23.13	23.15	21		
		1	0	23.26	23.28	23.21	21		
1.4M	16QAM	1	0	23.22	23.23	23.22	21		
		1	24	23.12	23.11	23.11	21		
		12	0	22.20	22.15	22.14	21		
		12	6	22.11	22.10	22.17	21		
		12	13	21.08	22.15	21.08	21		
		25	0	22.12	22.04	22.08	21		
		1	0	22.19	22.09	22.13	21		
		1	0	22.19	22.09	22.13	21		
		1	12	21.88	21.78	21.88	21		
		1	12	21.84	22.01	21.84	21		
3M	64QAM	1	24	22.15	22.11	22.17	21		
		12	0	21.04	21.00	21.04	21		
		12	6	21.25	21.24	21.30	21		
		12	13	20.08	20.00	20.00	21		
		25	0	21.10	21.16	21.13	21		
		Channel	2100	2120	2130	Max. Time-up (dBm)			
		1	0	24.10	24.06	24.06	21		
		1	12	24.25	24.26	24.27	21		
		1	24	24.03	24.03	23.98	21		
		12	0	23.18	23.13	23.22	21		

LTE Band 26										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max. Tx Power (dBm)	Max. Rx Power (dBm)	Max. Rx Power (dBm)
		Frequency (MHz)	Offset (MHz)	20165	20165	20165	20165	20165	20165	20165
		Channel	Offset (MHz)	20165	20165	20165	20165	20165	20165	20165
	QPSK	1	0	24.05	24.12	24.06	0	20	0	25.5
		1	37	24.02	24.02	24.04	0	20	0	25.5
		1	34	24.00	24.12	24.00	0	20	0	25.5
		36	0	23.04	23.10	22.97	1	24.5	1	24.5
		36	19	22.92	22.92	23.12	1	24.5	1	24.5
		36	39	23.10	23.10	23.14	1	24.5	1	24.5
		75	0	23.18	23.16	23.01	1	24.5	1	24.5
		1	0	23.16	23.09	23.03	1	24.5	1	24.5
		1	37	23.16	23.09	23.09	1	24.5	1	24.5
		1	74	23.02	23.13	23.14	1	24.5	1	24.5
	16QAM	1	0	23.07	23.09	23.04	0	23.5	0	23.5
		36	19	22.19	22.10	22.08	2	23.5	2	23.5
		36	39	22.19	22.10	22.08	2	23.5	2	23.5
		36	39	21.89	22.13	22.21	2	23.5	2	23.5
		75	0	22.02	22.02	22.12	2	23.5	2	23.5
		1	0	21.98	21.83	21.91	2	23.5	2	23.5
		1	37	21.97	22.01	22.08	2	23.5	2	23.5
		1	74	21.87	22.01	22.09	2	23.5	2	23.5
		36	0	21.03	20.97	20.93	3	22.5	3	22.5
		36	19	21.04	20.99	20.93	3	22.5	3	22.5
	64QAM	36	39	21.11	21.03	21.11	3	22.5	3	22.5
		1	0	20.98	21.11	20.94	3	22.5	3	22.5
	QPSK	1	0	23.05	24.05	24.02	0	20	0	25.5
		1	24	24.16	24.06	24.14	0	20	0	25.5
		1	49	24.11	24.12	24.09	0	20	0	25.5
		25	12	22.88	23.09	23.07	1	24.5	1	24.5
		25	0	22.87	23.06	23.04	1	24.5	1	24.5
		60	0	23.16	23.14	23.04	1	24.5	1	24.5
		1	0	22.99	23.01	23.01	1	24.5	1	24.5
		1	34	23.06	23.06	23.15	1	24.5	1	24.5
		1	49	22.94	23.03	23.01	1	24.5	1	24.5
		25	0	21.96	22.07	22.24	2	23.5	2	23.5
	16QAM	25	12	21.79	21.68	21.69	2	23.5	2	23.5
		25	25	21.79	22.05	21.90	2	23.5	2	23.5
		60	0	21.99	22.01	22.00	2	23.5	2	23.5
		1	34	21.89	21.81	21.89	2	23.5	2	23.5
		1	24	21.84	22.01	21.89	2	23.5	2	23.5
		1	49	21.92	22.01	21.78	2	23.5	2	23.5
		25	0	20.95	20.95	20.94	3	22.5	3	22.5
		25	12	21.04	21.08	20.97	3	22.5	3	22.5
		25	25	21.08	20.98	21.27	3	22.5	3	22.5
		60	0	20.97	21.09	21.00	3	22.5	3	22.5
	QPSK	1	0	23.05	24.05	24.02	0	20	0	25.5
		1	24	24.16	24.06	24.14	0	20	0	25.5
		1	49	24.11	24.12	24.09	0	20	0	25.5
		12	8	22.84	23.14	23.07	1	24.5	1	24.5
		12	13	22.80	23.04	23.08	1	24.5	1	24.5
		25	0	23.13	23.09	23.01	1	24.5	1	24.5
		1	0	23.08	23.09	23.03	1	24.5	1	24.5
		1	12	23.07	23.22	23.01	1	24.5	1	24.5
		1	34	23.03	23.13	23.13	1	24.5	1	24.5
		12	0	22.02	22.00	22.22	2	23.5	2	23.5
	16QAM	12	6	22.17	22.06	22.22	2	23.5	2	23.5
		12	13	21.77	22.06	22.08	2	23.5	2	23.5
		25	0	21.82	22.00	22.13	2	23.5	2	23.5
		1	0	21.91	21.74	21.87	2	23.5	2	23.5
		1	12	21.81	21.81	21.87	2	23.5	2	23.5
		1	24	21.91	21.88	21.88	2	23.5	2	23.5
		12	0	20.92	20.96	20.94	3	22.5	3	22.5
		12	6	20.95	20.96	20.90	3	22.5	3	22.5
		12	13	21.05	20.98	21.26	3	22.5	3	22.5
		25	0	20.91	21.08	21.13	3	22.5	3	22.5
	QPSK	1	0	23.05	24.05	24.02	0	20	0	25.5
		1	24	24.16	24.06	24.14	0	20	0	25.5
		1	49	24.11	24.12	24.09	0	20	0	25.5
		8	0	23.02	23.07	22.95	1	24.5	1	24.5
		8	7	23.02	23.07	22.95	1	24.5	1	24.5
		8	7	23.03	23.04	23.04	1	24.5	1	24.5
		15	0	22.09	23.05	22.97	1	24.5	1	24.5
		1	0	23.08	23.09	23.04	1	24.5	1	24.5
		1	7	23.07	23.22	23.18	1	24.5	1	24.5
		1	14	22.99	23.09	23.18	1	24.5	1	24.5
	16QAM	1	14	22.99	23.09	23.18	1	24.5	1	24.5
		8	3	22.17	22.01	21.98	2	23.5	2	23.5
		8	7	21.79	22.02	21.90	2	23.5	2	23.5
		25	0	21.81	22.00	22.07	2	23.5	2	23.5
		1	0	21.90	21.82	21.87	2	23.5	2	23.5
		1	7	21.88	21.84	21.88	2	23.5	2	23.5
		1	14	21.97	21.91	21.89	2	23.5	2	23.5
		8	0	21.91	20.77	20.91	3	22.5	3	22.5
		8	3	20.87	21.06	21.04	3	22.5	3	22.5
		15	0	21.07	21.08	21.27	3	22.5	3	22.5
	QPSK	1	0	23.05	24.05	24.02	0	20	0	25.5
		1	2	24.13	24.21	24.17	0	25.5	0	25.5
		1	5	24.18	24.21	24.19	0	25.5	0	25.5
		3	0	23.97	24.00	23.99	0	25.5	0	25.5
		3	1	23.82	24.15	24.12	0	25.5	0	25.5
		3	3	24.00	24.05	24.08	0	25.5	0	25.5
		1	0	23.08	23.12	22.92	1	24.5	1	24.5
		1	0	23.00	23.08	22.99	1	24.5	1	24.5
		1	5	23.13	23.22	23.19	1	24.5	1	24.5
		1	5	23.00	23.12	23.01	1	24.5	1	24.5
	16QAM	3	0	22.98	23.05	23.22	1	24.5	1	24.5
		3	1	22.98	23.18	23.01	1	24.5	1	24.5
		3	3	22.80	23.10	23.01	1	24.5	1	24.5
		6	0	21.96	22.13	22.18	2	23.5	2	23.5
		1	2	21.86	21.97	21.87	2	23.5	2	23.5
		1	2	21.90	21.95	21.99	2	23.5	2	23.5
		1	5	21.87	21.88	21.83	2	23.5	2	23.5
		3	0	22.02	21.80	21.84	2	23.5	2	23.5
		3	1	21.95	22.06	21.74	2	23.5	2	23.5
		3	3	22.08	22.01	22.25	2	23.5	2	23.5
	QPSK	3	3	22.06	21.96	21.94	2	23.5	2	23.5
		3	3	22.08	22.06	22.25	2	23.5	2	23.5
		3	3	22.06	21.96	21.94	2	23.5	2	23.5
		3	3	22.08	22.01	22.25	2	23.5	2	23.5
		3	3	22.06	21.96	21.94	2	23.5	2	23.5
		3	3	22.08	22.01	22.25	2	23.5	2	23.5
		3	3	22.06	21.96	21.94	2	23.5	2	23.5
		3	3	22.08	22.01	22.25	2	23.5	2	23.5
		3	3	22.06	21.96	21.94	2	23.5	2	23.5
		3	3	22.08	22.01	22.25	2	23.5	2	23.5

LTE Band 38											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Channel	Max. Time-up (dBm)			
		Channel									
		Frequency (MHz)	2005	2005	2005	2005	2005			2005	
20M	QPSK	1	0	22.21	22.14	22.11	23.5				
		1	50	22.26	22.18	22.18	23.5				
		1	99	22.19	22.14	22.14	23.5				
		50	0	21.96	21.95	21.87	23.5				
		50	25	22.01	22.03	21.96	23.5				
		50	50	22.21	22.21	22.28	23.5				
		100	0	22.26	22.18	22.11	23.5				
		1	0	21.81	21.88	21.75	23.5				
		1	50	22.14	22.06	22.14	23.5				
		1	99	21.93	21.82	21.91	23.5				
20M	16QAM	50	0	22.06	22.03	21.98	23.5				
		50	25	22.10	22.00	22.08	23.5				
		50	50	22.16	22.15	22.12	23.5				
		100	0	22.20	22.09	22.17	23.5				
		1	0	22.07	22.13	21.92	23.5				
		1	50	22.26	22.11	22.16	23.5				
		1	99	22.15	22.07	22.06	23.5				
		50	0	21.05	20.98	20.99	22.5				
		50	25	21.27	21.25	21.24	22.5				
		50	50	21.01	21.03	21.18	22.5				
20M	64QAM	50	0	21.05	20.98	20.99	22.5				
		50	25	21.27	21.25	21.24	22.5				
		50	50	21.01	21.03	21.18	22.5				
		100	0	20.98	21.30	21.19	22.5				
20M	QPSK	Channel	3725	3880	3875	Max. Time-up (dBm)					
		Frequency (MHz)	2005	2005	2005	2005					
		1	0	22.18	22.07	22.01	23.5				
		1	37	22.30	22.15	22.12	23.5				
		1	74	22.08	22.12	22.07	23.5				
		38	0	21.92	21.91	21.76	23.5				
		38	19	21.96	21.97	21.94	23.5				
		38	38	22.21	22.10	22.27	23.5				
		75	0	22.15	22.09	22.03	23.5				
		1	0	21.74	21.85	21.70	23.5				
15M	16QAM	1	74	21.81	21.79	21.89	23.5				
		38	0	21.95	21.92	21.97	23.5				
		38	19	22.06	21.95	22.02	23.5				
		38	38	22.09	22.11	22.06	23.5				
		75	0	22.18	22.08	22.08	23.5				
		1	0	22.05	22.10	21.82	23.5				
		1	37	22.19	22.09	22.07	23.5				
		1	74	22.10	22.03	22.08	23.5				
		38	0	21.93	21.91	20.86	22.5				
		38	19	21.15	21.15	21.23	22.5				
20M	QPSK	Channel	3725	3880	3875	Max. Time-up (dBm)					
		Frequency (MHz)	2005	2005	2005	2005					
		1	0	22.14	22.11	22.01	23.5				
		1	24	22.24	22.13	22.11	23.5				
		1	49	22.02	22.16	22.10	23.5				
		25	0	21.89	21.89	21.80	23.5				
		25	12	21.89	21.91	21.83	23.5				
		25	25	22.10	22.14	22.26	23.5				
		50	0	22.22	22.12	22.01	23.5				
		1	0	21.80	21.78	21.66	23.5				
15M	16QAM	1	24	22.11	22.02	22.09	23.5				
		1	49	21.81	21.73	21.81	23.5				
		25	0	21.88	21.82	21.87	23.5				
		25	12	22.08	21.89	21.95	23.5				
		25	25	22.07	22.08	22.06	23.5				
		50	0	22.10	22.03	22.12	23.5				
		1	0	22.00	22.05	21.82	23.5				
		1	24	22.17	22.05	22.10	23.5				
		1	49	22.13	22.01	21.86	23.5				
		25	0	20.99	20.87	20.86	22.5				
20M	64QAM	25	12	21.92	21.16	21.23	22.5				
		25	25	20.97	20.98	21.00	22.5				
		50	0	20.99	21.28	21.12	22.5				
20M	QPSK	Channel	3725	3880	3875	Max. Time-up (dBm)					
		Frequency (MHz)	2005	2005	2005	2005					
		1	0	22.12	22.08	22.09	23.5				
		1	12	22.29	22.12	22.18	23.5				
		1	24	22.00	22.12	22.10	23.5				
		12	0	21.92	21.83	21.79	23.5				
		12	6	21.91	21.91	21.92	23.5				
		12	13	22.15	22.05	22.10	23.5				
		25	0	22.22	22.08	22.09	23.5				
		1	0	21.78	21.78	21.67	23.5				
15M	16QAM	1	12	22.08	21.87	22.11	23.5				
		1	24	21.88	21.78	21.83	23.5				
		12	0	21.95	21.97	21.95	23.5				
		12	6	22.07	21.91	21.99	23.5				
		12	13	22.13	22.14	22.12	23.5				
		25	0	22.10	22.02	22.08	23.5				
		1	0	22.05	22.08	21.87	23.5				
		1	12	22.15	22.09	22.14	23.5				
		1	24	22.10	21.97	22.02	23.5				
		12	0	21.92	20.91	20.78	22.5				
20M	64QAM	12	6	21.98	21.14	21.18	22.5				
		12	13	20.93	20.93	21.07	22.5				
		25	0	20.90	21.22	21.08	22.5				

LTE Band 41 (2486 ~ 2600MHz)									
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Max. Channel
		Channel							
		Frequency (MHz)	2505	2545.5	2555	2565.5	2585	2595	(dBm)
20M	QPSK	1	0	22.10	21.98	21.99	22.08	22.10	23.5
		1	50	22.04	22.22	22.13	22.24	22.15	23.5
		1	99	22.03	21.71	21.92	21.98	21.99	23.5
		50	0	22.00	21.84	21.75	22.02	21.83	23.5
		50	25	22.00	22.05	21.75	21.85	21.99	23.5
		50	50	21.99	21.72	21.82	21.83	21.74	23.5
		100	0	22.02	21.81	21.95	21.87	22.12	23.5
		1	0	21.86	21.85	21.85	21.73	21.85	23.5
		1	50	21.90	21.83	21.73	21.75	21.85	23.5
		1	99	21.76	21.65	21.49	21.62	21.63	23.5
20M	16QAM	50	0	22.06	21.73	21.73	21.75	21.97	23.5
		50	25	21.99	21.87	21.77	21.84	21.98	23.5
		50	50	22.00	21.81	21.83	21.78	21.92	23.5
		100	0	22.07	21.75	21.83	22.01	22.11	23.5
		1	0	21.82	21.75	21.59	21.74	21.70	23.5
		1	50	21.91	21.87	22.01	21.90	21.85	23.5
		1	99	21.70	21.71	21.76	21.86	21.86	23.5
		50	0	20.61	21.01	20.91	20.89	21.04	22.5
		50	25	20.97	20.77	20.98	20.96	20.91	22.5
		100	0	20.89	20.98	21.17	21.04	20.97	22.5
20M	64QAM	Channel	3975	4075	4080	4085	4105	4115	Max. Time-up (dBm)
		Frequency (MHz)	2505	2545.5	2555	2565.5	2585	2595	
		1	0	22.11	21.99	21.97	22.09	22.11	23.5
		1	37	22.33	22.13	22.18	22.19	22.19	23.5
		1	74	22.04	21.70	21.76	21.93	21.94	23.5
		38	0	21.89	21.84	21.71	21.98	21.81	23.5
		38	19	21.97	21.95	21.82	21.85	21.93	23.5
		38	38	21.96	21.79	21.76	21.85	21.75	23.5
		75	0	22.04	21.82	21.86	21.83	22.10	23.5
		1	0	21.71	21.57	21.64	21.64	21.62	23.5
15M	16QAM	1	37	21.95	21.82	21.76	21.83	21.91	23.5
		1	74	21.75	21.60	21.46	21.59	21.61	23.5
		38	0	21.99	21.79	21.89	21.81	21.99	23.5
		38	19	22.06	21.85	21.73	21.88	22.08	23.5
		38	38	21.94	21.82	21.81	21.81	21.96	23.5
		75	0	22.11	21.78	21.83	22.08	22.08	23.5
		1	0	21.86	21.73	21.85	21.69	21.75	23.5
		1	37	21.82	21.69	21.82	21.69	21.85	23.5
		1	74	21.72	21.73	21.72	21.81	21.81	23.5
		38	0	20.91	20.96	20.93	20.88	20.94	22.5
15M	64QAM	38	19	20.94	20.83	20.94	21.01	20.89	22.5
		38	38	20.97	20.86	20.97	21.04	20.91	22.5
		75	0	20.89	20.98	21.17	21.04	20.97	22.5
		Channel	3975	4075	4080	4085	4105	4115	Max. Time-up (dBm)
		Frequency (MHz)	2505	2545.5	2555	2565.5	2585	2595	
		1	0	22.07	21.98	21.97	22.09	22.11	23.5
		1	24	22.32	22.16	22.19	22.19	22.25	23.5
		1	48	22.01	21.68	21.74	21.90	21.91	23.5
		25	0	22.01	21.85	21.70	22.00	21.90	23.5
		25	12	22.04	21.91	21.82	21.82	21.93	23.5
50	0	21.99	21.72	21.82	21.83	21.87	23.5		
50	0	22.03	21.83	21.85	21.82	22.09	23.5		
10M	16QAM	1	0	21.76	21.61	21.68	21.70	21.78	23.5
		1	24	21.84	21.61	21.71	21.71	21.81	23.5
		1	48	21.74	21.56	21.48	21.60	21.63	23.5
		25	0	21.73	21.71	21.73	21.78	21.76	23.5
		25	12	21.93	21.93	21.86	21.86	22.07	23.5
		50	0	21.99	21.78	21.82	21.87	21.97	23.5
		50	0	22.11	21.79	21.82	22.05	22.03	23.5
		1	0	21.64	21.71	21.58	21.65	21.68	23.5
		1	24	21.87	21.68	21.78	21.80	21.90	23.5
		1	48	21.79	21.66	21.76	21.83	21.87	23.5
10M	64QAM	25	0	20.93	21.07	20.87	20.95	21.03	22.5
		25	12	20.96	20.97	20.90	20.97	21.06	22.5
		50	0	20.99	20.88	20.89	20.97	21.05	22.5
		50	25	20.95	20.81	20.89	21.02	21.14	22.5
		100	0	20.87	21.00	21.11	21.09	21.16	22.5
		Channel	3975	4075	4080	4085	4105	4115	Max. Time-up (dBm)
		Frequency (MHz)	2505	2545.5	2555	2565.5	2585	2595	
		1	0	22.06	22.01	21.97	22.04	22.10	23.5
		1	12	22.28	22.10	22.17	22.17	22.25	23.5
		1	24	21.96	21.60	21.64	21.80	22.01	23.5
5M	QPSK	12	0	21.89	21.79	21.73	22.02	21.81	23.5
		12	6	21.02	21.06	21.06	21.02	21.02	23.5
		12	13	21.89	21.71	21.89	21.74	21.87	23.5
		25	0	22.08	21.83	21.87	21.90	22.15	23.5
		1	0	21.83	21.68	21.71	21.85	21.73	23.5
		1	12	21.96	21.79	21.72	21.78	21.89	23.5
		1	24	21.76	21.60	21.45	21.64	21.59	23.5
		12	6	21.04	21.07	21.07	21.04	21.04	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
5M	16QAM	25	0	22.16	21.77	21.81	21.86	22.06	23.5
		1	0	21.85	21.62	21.59	21.71	21.65	23.5
		1	12	21.92	21.89	22.01	21.89	21.83	23.5
		1	24	21.76	21.68	21.71	21.84	21.84	23.5
		12	6	20.93	21.07	20.89	21.04	21.14	22.5
		12	6	20.98	20.78	20.88	20.98	21.08	22.5
		12	13	21.87	21.63	21.69	21.82	21.92	22.5
		25	0	20.98	21.00	21.08	21.08	20.98	22.5
		Channel	3975	4075	4080	4085	4105	4115	Max. Time-up (dBm)
		Frequency (MHz)	2505	2545.5	2555	2565.5	2585	2595	

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
		64	5320	14.33	15.50	13.5
	802.11n-HT40 MCS0	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						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	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						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	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						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit (dBm)	Power Setting
	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

Appendix E. Photographs of EUT and Setup