



**BUREAU
VERITAS**



Appendix D. Conducted Power Result

GSM&WCDMA_Ant1 Default Power

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	32.84	32.88	32.70	33.50	29.80	29.76	29.71	30.50	
GPRS 1Tx Slot	32.81	32.86	32.63	33.50	29.90	29.89	29.78	30.50	
GPRS 2Tx Slot	30.61	30.65	30.43	31.00	27.44	27.47	27.43	28.00	
GPRS 3Tx Slot	28.78	28.85	28.68	29.50	25.82	25.88	25.93	26.50	
GPRS 4Tx Slot	26.81	26.88	26.73	27.50	24.08	24.27	24.43	25.00	
EDGE 1Tx Slot	26.28	26.33	26.32	28.00	25.54	25.37	25.21	26.50	
EDGE 2Tx Slot	23.94	24.00	23.92	25.50	23.21	22.94	22.89	24.00	
EDGE 3Tx Slot	22.17	22.25	22.15	24.00	21.26	21.10	21.06	22.50	
EDGE 4Tx Slot	20.72	20.81	20.76	22.50	19.73	19.69	19.45	21.00	

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
	Channel	128	189		251	512	661	
GSM	23.84	23.88	23.70	24.50	20.80	20.76	20.71	21.50
GPRS 1Tx Slot	23.81	23.86	23.63	24.50	20.90	20.89	20.78	21.50
GPRS 2Tx Slot	24.61	24.65	24.43	25.00	21.44	21.47	21.43	22.00
GPRS 3Tx Slot	24.52	24.59	24.42	25.24	21.56	21.62	21.67	22.24
GPRS 4Tx Slot	23.81	23.88	23.73	24.50	21.08	21.27	21.43	22.00
EDGE 1Tx Slot	17.28	17.33	17.32	19.00	16.54	16.37	16.21	17.50
EDGE 2Tx Slot	17.94	18.00	17.92	19.50	17.21	16.94	16.89	18.00
EDGE 3Tx Slot	17.91	17.99	17.89	19.74	17.00	16.84	16.80	18.24
EDGE 4Tx Slot	17.72	17.81	17.76	19.50	16.73	16.69	16.45	18.00

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	Max. Tune-up Power (dBm)	1312		1413	1513	Max. Tune-up Power (dBm)	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	23.93	24.04	23.96	25.00	23.78	24.04	23.80	25.00	23.75	23.70	23.82	25.00
HSDPA Subtest-1	22.14	22.32	22.16	24.00	22.24	22.56	22.22	24.00	22.12	22.43	22.33	24.00
HSDPA Subtest-2	22.32	22.37	22.07	24.00	22.42	22.43	22.06	24.00	22.35	22.42	22.15	24.00
HSDPA Subtest-3	21.68	21.72	21.82	23.50	21.79	21.90	21.94	23.50	21.75	21.77	21.93	23.50
HSDPA Subtest-4	21.78	21.61	21.99	23.50	21.74	21.66	22.08	23.50	21.70	21.73	22.01	23.50
DC-HSDPA Subtest-1	22.24	22.15	22.28	24.00	22.33	22.08	22.48	24.00	22.39	22.07	22.35	24.00
DC-HSDPA Subtest-2	22.09	22.34	22.29	24.00	22.16	22.31	22.37	24.00	22.17	22.31	22.37	24.00
DC-HSDPA Subtest-3	21.59	21.70	21.69	23.50	21.64	21.79	21.71	23.50	21.61	21.82	21.78	23.50
DC-HSDPA Subtest-4	21.61	21.87	21.78	23.50	21.78	21.89	21.67	23.50	21.76	21.75	21.87	23.50
HSUPA Subtest-1	20.71	20.52	20.85	22.00	20.77	20.58	20.75	22.00	20.70	20.62	20.75	22.00
HSUPA Subtest-2	20.77	20.39	20.77	22.00	20.70	20.53	20.75	22.00	20.75	20.61	20.84	22.00
HSUPA Subtest-3	21.11	21.06	21.37	23.00	21.23	21.12	21.55	23.00	21.12	21.13	21.37	23.00
HSUPA Subtest-4	19.71	20.03	20.15	21.50	19.87	19.99	20.04	21.50	19.75	19.96	20.08	21.50
HSUPA Subtest-5	21.33	21.29	21.52	23.00	21.33	21.26	21.38	23.00	21.28	21.37	21.36	23.00

GSM&WCDMA_Ant4 Default Power

Band	GSM850				GSM1900				
	Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8		
GSM	31.93	32.05	31.96	33.50	28.57	28.56	28.63	30.00	
GPRS 1Tx Slot	31.90	32.08	31.80	33.50	28.53	28.58	28.62	30.00	
GPRS 2Tx Slot	29.66	29.88	29.61	31.00	26.05	26.15	26.27	27.50	
GPRS 3Tx Slot	27.86	28.02	27.96	29.50	24.48	24.60	24.76	26.00	
GPRS 4Tx Slot	25.89	26.04	25.97	27.50	22.81	23.00	23.22	24.50	
EDGE 1Tx Slot	26.14	26.09	26.16	28.00	24.68	24.43	24.26	26.00	
EDGE 2Tx Slot	23.86	23.83	23.77	25.50	22.38	22.15	21.98	23.50	
EDGE 3Tx Slot	22.31	22.14	22.28	24.00	20.37	20.20	20.27	22.00	
EDGE 4Tx Slot	20.82	20.58	20.76	22.50	19.45	19.31	19.39	20.50	

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
	Channel	128	189		251	512	661	
GSM	22.93	23.05	22.96	24.50	19.57	19.56	19.63	21.00
GPRS 1Tx Slot	22.90	23.08	22.80	24.50	19.53	19.58	19.62	21.00
GPRS 2Tx Slot	23.66	23.88	23.61	25.00	20.05	20.15	20.27	21.50
GPRS 3Tx Slot	23.60	23.76	23.70	25.24	20.22	20.34	20.50	21.74
GPRS 4Tx Slot	22.89	23.04	22.97	24.50	19.81	20.00	20.22	21.50
EDGE 1Tx Slot	17.14	17.09	17.16	19.00	15.68	15.43	15.26	17.00
EDGE 2Tx Slot	17.86	17.83	17.77	19.50	16.38	16.15	15.98	17.50
EDGE 3Tx Slot	18.05	17.88	18.02	19.74	16.11	15.94	16.01	17.74
EDGE 4Tx Slot	17.82	17.58	17.76	19.50	16.45	16.31	16.39	17.50

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	Max. Tune-up Power (dBm)	1312		1413	1513	Max. Tune-up Power (dBm)	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	23.11	23.13	23.05	24.50	23.09	23.33	23.02	24.50	23.21	23.14	23.32	25.00
HSDPA Subtest-1	22.13	22.13	21.97	23.50	22.14	22.12	22.03	23.50	22.38	22.36	22.02	24.00
HSDPA Subtest-2	22.14	22.13	21.93	23.50	22.30	22.07	21.95	23.50	22.18	22.12	22.11	24.00
HSDPA Subtest-3	21.62	21.52	21.48	23.00	21.83	21.63	21.62	23.00	21.68	21.67	21.55	23.50
HSDPA Subtest-4	21.60	21.52	21.39	23.00	21.58	21.64	21.33	23.00	21.77	21.62	21.59	23.50
DC-HSDPA Subtest-1	22.08	22.16	21.93	23.50	22.21	22.12	21.87	23.50	22.32	22.26	22.09	24.00
DC-HSDPA Subtest-2	22.06	21.97	21.99	23.50	22.18	22.09	21.99	23.50	22.27	22.09	22.11	24.00
DC-HSDPA Subtest-3	21.67	21.46	21.40	23.00	21.77	21.58	21.50	23.00	21.73	21.70	21.62	23.50
DC-HSDPA Subtest-4	21.68	21.63	21.65	23.00	21.78	21.47	21.37	23.00	21.84	21.61	21.60	23.50
HSUPA Subtest-1	20.69	20.50	20.41	21.50	20.68	20.60	20.30	21.50	20.80	20.59	20.47	22.00
HSUPA Subtest-2	20.62	20.31	20.27	21.50	20.61	20.51	20.31	21.50	20.68	20.51	20.34	22.00
HSUPA Subtest-3	21.04	20.87	20.91	22.50	20.99	21.01	20.81	22.50	21.20	21.14	21.09	23.00
HSUPA Subtest-4	19.71	19.74	19.47	21.00	19.74	19.71	19.60	21.00	19.68	19.73	19.63	21.50
HSUPA Subtest-5	21.19	21.03	20.98	22.50	21.36	21.15	20.99	22.50	21.33	21.25	21.27	23.00

LTE_Ant1 Default Power

BW	Modulation	LTE Band 2 (Ant1)											
		RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)					
		Channel Frequency (MHz)	1870	1880	1890	1900	1910	1920	1930	1940	1950		
20M	QPSK	1	0	23.98	24.18	24.10	0	25					
		1	50	24.09	24.30	24.15	0	25					
		1	99	24.04	24.17	24.12	0	25					
		50	0	23.97	24.17	24.14	1	24					
		50	50	23.27	23.33	23.28	1	24					
	10M	16QAM	1	0	23.11	23.32	23.23	1	24				
			1	50	23.36	23.54	23.35	1	24				
			1	99	23.36	23.45	23.46	1	24				
			50	0	22.93	22.95	22.96	2	23				
			50	50	22.16	22.36	22.17	2	23				
5M		16QAM	1	0	22.00	22.28	22.08	2	23				
			1	50	22.15	22.36	22.27	2	23				
			1	99	22.26	22.39	22.22	2	23				
			50	0	21.47	21.54	21.52	3	22				
			50	50	21.30	21.47	21.30	3	22				

BW	Modulation	LTE Band 4 (Ant1)											
		RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)					
		Channel Frequency (MHz)	1920	1915	1910	1905	1900	1895	1890	1885			
20M	QPSK	1	0	23.92	24.12	24.16	0	25.5					
		1	50	24.27	24.36	24.27	0	25.5					
		1	99	24.23	24.26	24.17	0	25.5					
		50	0	23.13	23.33	23.33	1	24.5					
		50	50	23.43	23.52	23.37	1	24.5					
	10M	16QAM	1	0	23.22	23.33	23.32	1	24.5				
			1	50	23.45	23.62	23.61	1	24.5				
			1	99	23.51	23.46	23.28	1	24.5				
			50	0	22.33	22.35	22.31	2	23.5				
			50	50	22.26	22.35	22.31	2	23.5				
5M		16QAM	1	0	22.20	22.25	22.31	2	23.5				
			1	50	22.29	22.54	22.51	2	23.5				
			1	99	22.44	22.32	22.17	2	23.5				
			50	0	21.38	21.38	21.43	3	22.5				
			50	50	21.44	21.51	21.51	3	22.5				

BW	Modulation	LTE Band 5 (Ant1)											
		RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)					
		Channel Frequency (MHz)	1875	1880	1885	1890	1895	1900	1905	1910			
20M	QPSK	1	0	24.39	24.49	24.42	0	25.5					
		1	24	24.44	24.50	24.49	0	25.5					
		1	49	24.42	24.45	24.35	0	25.5					
		25	0	23.42	23.44	23.37	1	24.5					
		25	25	23.45	23.47	23.47	1	24.5					
	10M	16QAM	1	0	23.65	23.73	23.64	1	24.5				
			1	24	23.63	23.58	23.75	1	24.5				
			1	49	23.67	23.69	23.67	1	24.5				
			25	0	22.41	22.46	22.53	2	23.5				
			25	25	22.35	22.42	22.45	2	23.5				

LTE Band 7 (Ant1)											
BW	Modulation	RB Size		Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)	Channel		
		RB Offset	Frequency (MHz)						2986	2996	
20M	QPSK	1	0	23.96	23.95	23.73	0	25	2986	2996	
		1	50	23.96	24.01	23.73	0	25	2996	3006	
		1	99	23.79	23.71	23.69	0	25	3006	3016	
		50	0	23.94	23.85	22.80	1	24	2986	2996	
		50	25	23.01	23.05	22.83	1	24	2996	3006	
		50	50	22.91	23.02	22.62	1	24	3006	3016	
	16QAM	1	0	22.92	23.07	22.67	1	24	2986	2996	
		1	50	22.92	23.14	22.62	1	24	2996	3006	
		1	99	23.23	23.01	22.95	1	24	3006	3016	
		1	99	23.10	22.90	22.85	1	24	3016	3026	
		50	0	21.92	21.90	21.86	2	23	2986	2996	
		50	25	22.04	22.02	21.78	2	23	2996	3006	
	64QAM	50	50	22.03	21.88	21.68	2	23	3006	3016	
		100	0	21.99	21.89	21.71	2	23	3016	3026	
		1	0	22.06	22.14	21.91	2	23	2986	2996	
		1	50	22.17	22.12	21.87	2	23	2996	3006	
		1	99	21.98	21.93	21.77	2	23	3006	3016	
		50	0	21.01	20.94	20.83	3	22	2986	2996	
	30M	QPSK	1	0	23.84	23.81	23.69	0	25	2986	2996
			1	37	23.83	23.98	23.69	0	25	2996	3006
			1	74	23.77	23.56	23.66	0	25	3006	3016
			36	0	22.85	22.94	22.79	1	24	2986	2996
			36	19	22.00	22.38	22.69	1	24	2996	3006
			36	39	22.89	22.88	22.81	1	24	3006	3016
16QAM		75	0	22.98	23.03	22.52	1	24	2986	2996	
		1	0	23.07	22.99	22.77	1	24	2996	3006	
		1	37	23.16	22.93	22.85	1	24	3006	3016	
		1	74	23.08	22.85	22.79	1	24	3016	3026	
		36	0	21.80	21.77	21.73	2	23	2986	2996	
		36	19	21.99	21.92	21.64	2	23	2996	3006	
64QAM		36	39	21.93	21.80	21.67	2	23	3006	3016	
		75	0	21.96	21.79	21.64	2	23	3016	3026	
		1	0	22.01	22.07	21.82	2	23	2986	2996	
		1	37	22.03	21.97	21.72	2	23	2996	3006	
		1	74	21.89	21.86	21.75	2	23	3006	3016	
		36	0	20.89	20.83	20.81	3	22	2986	2996	
40M		QPSK	36	19	20.89	20.83	20.73	3	22	2996	3006
			36	39	21.02	20.89	20.42	3	22	3006	3016
			75	0	20.96	20.96	20.58	3	22	3016	3026
			1	0	23.87	23.86	23.62	0	25	2986	2996
			1	24	23.95	23.91	23.71	0	25	2996	3006
			1	49	23.78	23.57	23.67	0	25	3006	3016
	16QAM	25	0	22.84	22.96	22.67	1	24	2986	2996	
		25	12	22.94	22.96	22.77	1	24	2996	3006	
		25	25	22.83	22.92	22.56	1	24	3006	3016	
		50	0	22.97	23.02	22.58	1	24	3016	3026	
		1	0	23.13	23.10	22.76	1	24	2986	2996	
		1	24	23.10	22.86	22.81	1	24	2996	3006	
	64QAM	1	49	23.03	22.87	22.79	1	24	3006	3016	
		25	0	21.83	21.81	21.80	2	23	2986	2996	
		25	12	21.91	21.93	21.76	2	23	2996	3006	
		25	25	22.00	21.85	21.56	2	23	3006	3016	
		50	0	21.86	21.88	21.69	2	23	3016	3026	
		1	0	21.95	21.99	21.78	2	23	2986	2996	
	50M	QPSK	1	24	22.03	22.11	21.79	2	23	2986	2996
			1	49	21.83	21.91	21.66	2	23	2996	3006
			25	0	20.92	20.86	20.81	3	22	3006	3016
			25	12	20.95	20.84	20.63	3	22	3016	3026
			25	25	21.01	20.76	20.43	3	22	3026	3036
			50	0	21.01	20.84	20.68	3	22	3036	3046
16QAM		1	0	23.91	23.89	23.60	0	25	2986	2996	
		1	12	23.88	23.92	23.76	0	25	2996	3006	
		1	24	23.76	23.61	23.66	0	25	3006	3016	
		12	0	22.90	22.91	22.69	1	24	2986	2996	
		12	6	22.91	22.83	22.72	1	24	2996	3006	
		12	13	22.80	22.87	22.56	1	24	3006	3016	
64QAM		25	0	22.96	22.98	22.56	1	24	3016	3026	
		1	0	23.05	23.13	22.70	1	24	2986	2996	
		1	12	23.17	22.88	22.89	1	24	2996	3006	
		1	24	22.99	22.80	22.81	1	24	3006	3016	
		12	0	21.86	21.81	21.75	2	23	2986	2996	
		12	6	21.93	21.88	21.72	2	23	2996	3006	
16QAM		12	13	22.01	21.79	21.85	2	23	3006	3016	
		25	0	21.84	21.79	21.83	2	23	3016	3026	
		1	0	21.91	22.04	21.82	2	23	2986	2996	
		1	12	22.03	22.11	21.73	2	23	2996	3006	
		1	24	21.93	21.90	21.83	2	23	3006	3016	
		12	0	20.99	20.92	20.79	3	22	3016	3026	
64QAM	12	6	20.88	20.83	20.66	3	22	3026	3036		
	12	13	20.94	20.79	20.43	3	22	3036	3046		
	25	0	20.99	20.86	20.67	3	22	3046	3056		

LTE Band 12 (Ant1)											
BW	Modulation	RB Size		Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)	Channel		
		RB Offset	Frequency (MHz)						2986	2996	
20M	QPSK	1	0	24.41	24.47	24.42	0	25.5	2986	2996	
		1	24	24.44	24.39	24.35	0	25.5	2996	3006	
		1	49	24.30	24.31	24.40	0	25.5	3006	3016	
		25	0	23.54	23.45	23.37	1	24.5	2986	2996	
		25	12	23.44	23.42	23.33	1	24.5	2996	3006	
		25	25	23.51	23.43	23.35	1	24.5	3006	3016	
	16QAM	50	0	23.07	23.45	23.24	1	24.5	2986	2996	
		25	12	23.74	23.44	23.42	1	24.5	2996	3006	
		1	24	23.69	23.58	23.63	1	24.5	3006	3016	
		1	49	23.61	23.55	23.72	1	24.5	3016	3026	
		25	0	22.58	22.42	22.31	2	23.5	2986	2996	
		25	12	22.66	22.49	22.49	2	23.5	2996	3006	
	64QAM	25	25	22.55	22.43	22.37	2	23.5	3006	3016	
		50	0	22.53	22.48	22.34	2	23.5	3016	3026	
		1	0	22.71	22.64	22.48	2	23.5	2986	2996	
		1	24	22.68	22.59	22.49	2	23.5	2996	3006	
		1	49	22.44	22.40	22.53	2	23.5	3006	3016	
		25	0	21.53	21.33	21.30	3	22.5	2986	2996	
	30M	QPSK	25	12	21.48	21.39	21.37	3	22.5	2996	3006
			50	0	21.55	21.38	21.32	3	22.5	3006	3016
			1	0	24.42	24.45	24.38	0	25.5	2986	2996
			1	12	24.40	24.29	24.23	0	25.5	2996	3006
			1	24	24.20	24.23	24.32	0	25.5	3006	3016
			12	0	23.51	23.44	23.32	1	24.5	2986	2996
16QAM		12	6	23.42	23.31	23.24	1	24.5	2996	3006	
		12	13	23.37	23.46	23.64	1	24.5	3006	3016	
		25	0	23.50	23.40	23.19	1	24.5	2986	2996	
		1	0	23.09	23.04	23.00	1	24.5	2996	3006	
		1	12	23.04	23.51	23.48	1	24.5	3006	3016	
		12	0	22.53	22.28	22.28	2	23.5	2986	2996	
64QAM		12	6	22.48	22.38	22.38	2	23.5	2996	3006	
		12	13	22.41	22.28	22.35	2	23.5	3006	3016	
		25	0	22.62	22.45	22.25	2	23.5	3016	3026	
		1	0	22.61	22.60	22.37	2	23.5	2986	2996	
		1	12	22.56	22.44	22.45	2	23.5	2996	3006	
		1	24	22.36	22.37	22.51	2	23.5	3006	3016	
40M		QPSK	12	6	21.44	21.24	21.25	3	22.5	2986	2996
			12	13	21.32	21.28	21.20	3	22.5	2996	3006
			25	0	21.41	21.25	21.19	3	22.5	3006	3016
			1	0	24.45	24.38	24.29	0	25.5	2986	2996
			1	7	24.34	24.36	24.32	0	25.5	2996	3006
			1	14	24.23	24.19	24.36	0	25.5	3006	3016
	16QAM	8	3	23.39	23.29	23.19	1	24.5	2986	2996	
		8	7	23.40	23.36	23.24	1	24.5	2996	3006	
		15	0	23.43	23.42	23.25	1	24.5	3006	3016	
		1	0	23.66	23.66	23.69	1	24.5	2986	2996	
		1	7	23.62							

LTE Band 17 (Ant1)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)	
		Channel	Frequency (MHz)	769	710	711		
10M	QPSK	1	0	24.36	24.46	24.41	0	25.5
		1	24	24.34	24.39	24.32	0	25.5
		1	49	24.32	24.31	24.40	0	25.5
		25	0	23.25	23.27	23.27	1	24.5
		25	12	23.34	23.33	23.25	1	24.5
	16QAM	25	25	23.36	23.38	23.29	1	24.5
		50	0	23.34	23.39	23.32	1	24.5
		1	0	23.56	23.48	23.67	1	24.5
		1	24	23.48	23.56	23.60	1	24.5
		1	49	23.54	23.52	23.65	1	24.5
	64QAM	25	0	22.27	22.38	22.29	2	23.5
		25	12	22.37	22.38	22.36	2	23.5
		25	25	22.40	22.30	22.34	2	23.5
		50	0	22.32	22.28	22.33	2	23.5
		1	0	22.54	22.50	22.59	2	23.5
16QAM	1	24	22.50	22.54	22.41	2	23.5	
	1	49	22.44	22.48	22.56	2	23.5	
	25	0	21.27	21.30	21.26	3	22.5	
	25	12	21.41	21.39	21.37	3	22.5	
	25	25	21.37	21.31	21.25	3	22.5	
16QAM	50	0	21.29	21.30	21.28	3	22.5	
	1	0	22.54	22.50	22.59	2	23.5	
	1	24	22.50	22.54	22.41	2	23.5	
	1	49	22.44	22.48	22.56	2	23.5	
	25	0	22.27	22.38	22.29	2	23.5	
64QAM	25	12	22.37	22.38	22.36	2	23.5	
	25	25	22.40	22.30	22.34	2	23.5	
	50	0	22.32	22.28	22.33	2	23.5	
	1	0	22.54	22.50	22.59	2	23.5	
	1	24	22.50	22.54	22.41	2	23.5	
QPSK	Channel	2355	2370	2385	3GPP MPR (dB)	Max. Time-up (dBm)		
	Frequency (MHz)	766.5	710	713.5				
	1	0	24.33	24.42	24.25	0	25.5	
	1	12	24.27	24.29	24.18	0	25.5	
	1	24	24.30	24.29	24.26	0	25.5	
QPSK	12	0	23.16	23.25	23.20	1	24.5	
	12	6	23.32	23.18	23.17	1	24.5	
	12	13	23.30	23.31	23.28	1	24.5	
	25	0	23.21	23.38	23.22	1	24.5	
	1	0	23.46	23.39	23.50	1	24.5	
16QAM	1	12	23.44	23.51	23.47	1	24.5	
	1	24	23.39	23.37	23.63	1	24.5	
	12	0	22.25	22.30	22.28	2	23.5	
	12	6	22.24	22.31	22.21	2	23.5	
	12	13	22.35	22.29	22.30	2	23.5	
16QAM	25	0	22.18	22.20	22.24	2	23.5	
	1	0	22.49	22.44	22.48	2	23.5	
	1	12	22.38	22.51	22.35	2	23.5	
	1	24	22.33	22.39	22.52	2	23.5	
	12	0	21.16	21.26	21.14	3	22.5	
64QAM	12	6	21.40	21.37	21.31	3	22.5	
	12	13	21.27	21.18	21.10	3	22.5	
	25	0	21.22	21.16	21.22	3	22.5	
	1	0	22.54	22.50	22.59	2	23.5	
	1	24	22.50	22.54	22.41	2	23.5	

LTE Band 28 (Ant1)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)	
		Channel	Frequency (MHz)	815.5	831.5	841.5		
10M	QPSK	1	0	24.58	24.57	24.55	0	25.5
		1	37	24.63	24.67	24.64	0	25.5
		1	74	24.54	24.62	24.53	0	25.5
		36	0	23.52	23.61	23.59	1	24.5
		36	19	23.48	23.55	23.57	1	24.5
	16QAM	36	36	23.49	23.58	23.52	1	24.5
		75	0	23.57	23.60	23.55	1	24.5
		1	0	23.83	23.73	23.77	1	24.5
		1	37	23.86	23.82	23.84	1	24.5
		1	74	23.89	23.76	23.60	1	24.5
	64QAM	36	0	22.55	22.57	22.60	2	23.5
		36	19	22.63	22.55	22.61	2	23.5
		36	36	22.61	22.52	22.52	2	23.5
		75	0	22.62	22.53	22.54	2	23.5
		1	0	22.70	22.65	22.71	2	23.5
64QAM	1	37	22.78	22.76	22.77	2	23.5	
	1	74	22.84	22.71	22.63	2	23.5	
	36	0	21.63	21.55	21.59	3	22.5	
	36	19	21.62	21.57	21.60	3	22.5	
	36	36	21.61	21.53	21.49	3	22.5	
QPSK	Channel	2470	2485	2490	3GPP MPR (dB)	Max. Time-up (dBm)		
	Frequency (MHz)	819	831.5	844				
	1	0	24.45	24.55	24.47	0	25.5	
	1	24	24.55	24.65	24.52	0	25.5	
	1	49	24.48	24.55	24.47	0	25.5	
QPSK	25	0	23.49	23.49	23.47	1	24.5	
	25	12	23.37	23.54	23.43	1	24.5	
	25	25	23.48	23.57	23.46	1	24.5	
	50	0	23.50	23.52	23.41	1	24.5	
	1	0	23.68	23.64	23.72	1	24.5	
16QAM	1	24	23.76	23.67	23.77	1	24.5	
	1	49	23.64	23.74	23.66	1	24.5	
	25	0	22.54	22.50	22.46	2	23.5	
	25	12	22.62	22.49	22.58	2	23.5	
	25	25	22.59	22.45	22.41	2	23.5	
16QAM	50	0	22.47	22.48	22.40	2	23.5	
	1	0	22.67	22.59	22.65	2	23.5	
	1	24	22.72	22.62	22.73	2	23.5	
	1	49	22.62	22.74	22.64	2	23.5	
	25	0	21.40	21.54	21.44	3	22.5	
64QAM	25	12	21.53	21.45	21.58	3	22.5	
	25	25	21.57	21.41	21.38	3	22.5	
	50	0	21.47	21.45	21.52	3	22.5	
	1	0	22.61	22.56	22.66	2	23.5	
	1	12	22.73	22.45	22.73	2	23.5	
64QAM	1	24	22.63	22.56	22.51	2	23.5	
	1	49	22.56	22.56	22.51	2	23.5	
	12	0	21.40	21.50	21.44	3	22.5	
	12	6	21.55	21.51	21.56	3	22.5	
	12	13	21.57	21.47	21.47	3	22.5	
QPSK	Channel	2475	2485	2493	3GPP MPR (dB)	Max. Time-up (dBm)		
	Frequency (MHz)	816.5	831.5	841.5				
	1	0	24.54	24.54	24.53	0	25.5	
	1	12	24.54	24.54	24.52	0	25.5	
	1	24	24.43	24.53	24.52	0	25.5	
QPSK	12	0	23.48	23.56	23.51	1	24.5	
	12	6	23.47	23.54	23.51	1	24.5	
	12	13	23.47	23.53	23.42	1	24.5	
	25	0	23.48	23.51	23.42	1	24.5	
	1	0	23.72	23.63	23.69	1	24.5	
16QAM	1	12	23.78	23.60	23.60	1	24.5	
	1	24	23.87	23.62	23.60	1	24.5	
	12	0	22.42	22.52	22.56	2	23.5	
	12	6	22.58	22.53	22.48	2	23.5	
	12	13	22.51	22.37	22.41	2	23.5	
16QAM	25	0	22.50	22.38	22.46	2	23.5	
	1	0	22.61	22.56	22.66	2	23.5	
	1	12	22.73	22.45	22.73	2	23.5	
	1	24	22.63	22.56	22.51	2	23.5	
	12	0	21.40	21.50	21.44	3	22.5	
64QAM	12	6	21.55	21.51	21.56	3	22.5	
	12	13	21.57	21.47	21.47	3	22.5	
	25	0	21.46	21.48	21.46	3	22.5	
	1	0	22.61	22.56	22.66	2	23.5	
	1	12	22.73	22.45	22.73	2	23.5	
QPSK	Channel	2480	2485	2493	3GPP MPR (dB)	Max. Time-up (dBm)		
	Frequency (MHz)	819.5	831.5	841.5				
	1	7	24.59	24.59	24.54	0	25.5	
	1	14	24.36	24.56	24.43	0	25.5	
	8	0	23.39	23.51	23.57	1	24.5	
QPSK	8	3	23.45	23.42	23.50	1	24.5	
	8	7	23.47	23.43	23.49	1	24.5	
	15	0	23.53	23.50	23.50	1	24.5	
	1	0	23.74	23.71	23.68	1	24.5	
	1	7	23.81	23.71	23.70	1	24.5	
16QAM	1	14	23.76	23.72	23.60	1	24.5	
	8	0	22.40	22.44	22.46	2	23.5	
	8	3	22.51	22.51	22.52	2	23.5	
	8	7	22.52	22.47	22.46	2	23.5	
	15	0	22.49	22.52	22.45	2	23.5	
16QAM	1	0	22.67	22.59	22.62	2	23.5	
	1	7	22.72	22.60	22.72	2	23.5	
	1	14	22.60	22.56	22.53	2	23.5	
	8	0	21.48	21.42	21.50	3	22.5	
	8	3	21.59	21.47	21.47	3	22.5	
64QAM	8	7	21.63	21.51	21.39	3	22.5	
	15	0	21.43	21.48	21.52	3	22.5	
	1	0	24.48	24.52	24.53	0	25.5	
	1	2	24.60	24.61	24.55	0	25.5	
	1	5	24.41	24.47	24.50	0	25.5	
QPSK	3	0	24.19	24.37	24.34	0	25.5	
	3	1	24.24	24.31	24.29	0	25.5	
	3	3	24.19	24.34	24.19	0	25.5	
	6	0	23.49	23.51	23.45	1	24.5	
	1	0	23.81	23.84	23.71	1	24.5	
16QAM	1	2	23.81	23.68	23.76			

LTE Band 41 (Ant1)														
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)				
				Channel	39750	40165	39935	40655			41490			
20M	QPSK	50	0	24.02	23.98	23.90	23.96	23.78	0	25.5				
			1	23.99	23.88	23.89	23.91	23.73	0	25.5				
			1	23.92	23.71	23.78	23.72	23.66	0	25.5				
			50	0	23.14	22.93	22.97	22.84	22.84	1	24.5			
			50	25	23.10	22.85	22.91	22.87	22.81	1	24.5			
			50	50	23.08	22.81	22.96	22.82	22.74	1	24.5			
			100	0	23.05	22.88	22.95	22.89	22.79	1	24.5			
			1	0	23.06	23.01	22.98	22.97	22.78	1	24.5			
			1	50	23.11	22.89	22.91	22.90	22.83	1	24.5			
			1	99	23.05	22.75	22.88	22.74	22.76	1	24.5			
			50	0	22.05	21.95	21.95	21.94	21.84	2	23.5			
			50	25	22.09	21.86	21.94	21.87	21.83	2	23.5			
	50	50	22.08	21.83	21.93	21.82	21.73	2	23.5					
	100	0	22.07	21.89	21.95	21.90	21.76	2	23.5					
	1	0	21.82	21.76	21.73	21.71	21.65	2	23.5					
	16QAM	50	0	21.82	21.76	21.73	21.71	21.65	2	23.5				
			1	21.82	21.85	21.76	21.67	21.79	2	23.5				
			1	99	21.89	21.78	21.64	21.63	21.68	2	23.5			
			50	0	21.01	20.93	20.91	20.90	20.81	3	22.5			
			50	25	21.04	20.84	20.93	20.83	20.75	3	22.5			
			50	50	21.02	20.78	20.87	20.79	20.68	3	22.5			
			100	0	21.05	20.86	20.98	20.85	20.71	3	22.5			
			64QAM	50	0	39723	40173	40623	41068	41615	3GPP MPR (dB)	Max. Tune-up (dBm)		
					1	0	24.00	23.89	23.86	23.92	23.63	0	25.5	
1					37	23.94	23.81	23.80	23.79	23.58	0	25.5		
1					74	23.90	23.61	23.67	23.61	23.53	0	25.5		
36					0	23.04	22.80	22.90	22.84	22.71	1	24.5		
36	19	22.95			22.80	22.90	22.79	22.67	1	24.5				
36	38	22.97			22.71	22.86	22.74	22.68	1	24.5				
75	0	23.02			22.79	22.94	22.75	22.77	1	24.5				
1	0	22.98			22.91	22.97	22.90	22.75	1	24.5				
1	37	23.06			22.77	22.87	22.83	22.81	1	24.5				
1	74	22.99			22.67	22.78	22.60	22.75	1	24.5				
36	0	21.96			21.81	21.90	21.87	21.81	2	23.5				
36	19	22.06	21.76	21.83	21.75	21.79	2	23.5						
36	38	22.04	21.81	21.79	21.75	21.63	2	23.5						
75	0	22.03	21.84	21.88	21.83	21.71	2	23.5						
15M	16QAM	50	0	21.74	21.67	21.69	21.63	21.75	2	23.5				
			1	37	21.83	21.81	21.74	21.62	21.65	2	23.5			
			1	74	21.75	21.73	21.51	21.61	21.64	2	23.5			
			36	0	20.99	20.76	20.77	20.67	20.70	3	22.5			
			36	19	20.90	20.70	20.76	20.77	20.63	3	22.5			
			36	38	20.96	20.76	20.72	20.64	20.58	3	22.5			
			75	0	21.03	20.81	20.84	20.80	20.63	3	22.5			
			8QAM	50	0	21.74	21.67	21.69	21.63	21.75	2	23.5		
					1	37	21.83	21.81	21.74	21.62	21.65	2	23.5	
					1	74	21.75	21.73	21.51	21.61	21.64	2	23.5	
					36	0	20.99	20.76	20.77	20.67	20.70	3	22.5	
					36	19	20.90	20.70	20.76	20.77	20.63	3	22.5	
36	38	20.96			20.76	20.72	20.64	20.58	3	22.5				
75	0	21.03			20.81	20.84	20.80	20.63	3	22.5				
BW	Modulation	Channel			Frequency (MHz)	39750	40165	40623	41068	41615	3GPP MPR (dB)	Max. Tune-up (dBm)		
						2561	2547	2583	2638	2685				
						1	0	23.93	23.94	23.76	23.89	23.65	0	25.5
						1	24	23.97	23.76	23.78	23.82	23.60	0	25.5
						1	49	23.95	23.66	23.76	23.70	23.51	0	25.5
			25	0		23.07	22.92	22.94	22.90	22.83	1	24.5		
			25	12		22.99	22.81	22.82	22.79	22.69	1	24.5		
			25	25		22.96	22.74	22.89	22.70	22.64	1	24.5		
			50	0		22.96	22.80	22.83	22.84	22.76	1	24.5		
			1	0		22.91	22.92	22.85	22.96	22.77	1	24.5		
			1	24		23.03	22.79	22.79	22.83	22.71	1	24.5		
			1	49		23.04	22.71	22.79	22.85	22.71	1	24.5		
25	0	21.97	21.80	21.85	21.88	21.79	2	23.5						
25	12	22.07	21.75	21.83	21.73	21.76	2	23.5						
25	25	22.07	21.81	21.88	21.67	21.72	2	23.5						
50	0	22.02	21.77	21.90	21.75	21.63	2	23.5						
10M	16QAM	50	0	21.71	21.65	21.71	21.63	21.80	2	23.5				
			1	24	21.85	21.79	21.64	21.63	21.75	2	23.5			
			1	49	21.83	21.66	21.63	21.52	21.58	2	23.5			
			25	0	20.99	20.89	20.76	20.77	20.75	3	22.5			
			25	12	20.94	20.81	20.89	20.68	20.63	3	22.5			
			25	25	20.88	20.63	20.72	20.69	20.60	3	22.5			
			50	0	20.97	20.78	20.80	20.82	20.71	3	22.5			
			8QAM	50	0	21.71	21.65	21.71	21.63	21.80	2	23.5		
					1	24	21.85	21.79	21.64	21.63	21.75	2	23.5	
					1	49	21.83	21.66	21.63	21.52	21.58	2	23.5	
					25	0	20.99	20.89	20.76	20.77	20.75	3	22.5	
					25	12	20.94	20.81	20.89	20.68	20.63	3	22.5	
25	25	20.88			20.63	20.72	20.69	20.60	3	22.5				
50	0	20.97			20.78	20.80	20.82	20.71	3	22.5				

LTE Band 66 (Ant1)												
BW	Modulation	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)				
				Channel	132072	132322			132572			
20M	QPSK	50	0	1729	1746	1770	0	25.5				
			1	1729	1746	1743	0	25.5				
			1	99	24.46	24.46	24.42	0	25.5			
			1	99	24.40	24.27	24.35	0	25.5			
			50	0	23.31	23.39	23.40	1	24.5			
			50	25	23.45	23.52	23.41	1	24.5			
			50	50	23.47	23.56	23.43	1	24.5			
			100	0	23.37	23.54	23.36	1	24.5			
			1	0	23.45	23.46	23.55	1	24.5			
			1	50	23.51	23.67	23.61	1	24.5			
			1	99	23.75	23.60	23.65	1	24.5			
			50	0	22.50	22.44	22.33	2	23.5			
	50	25	22.49	22.49	22.39	2	23.5					
	50	50	22.51	22.43	22.38	2	23.5					
	100	0	22.33	22.41	22.33	2	23.5					
	1	0	22.42	22.48	22.38	2	23.5					
	1	50	22.50	22.69	22.47	2	23.5					
	1	99	22.58	22.46	22.50	2	23.5					
	50	0	21.45	21.55	21.45	3	22.5					
	50	25	21.54	21.54	21.54	3	22.5					
	50	50	21.70	21.56	21.60	3	22.5					
	100	0	21.65	21.62	21.47	3	22.5					
	15M	QPSK	50	0	1716	1745	1772	0	25.5			
				1	1716	1745	1745	0	25.5			
1				37	24.45	24.40	24.35	0	25.5			
1				74	24.25	24.17	24.26	0	25.5			
36				0	23.19	23.37	23.39	1	24.5			
36				19	23.34	23.46	23.37	1	24.5			
36				38	23.41	23.47	23.28	1	24.5			
75				0	23.29	23.48	23.29	1	24.5			
1				0	23.41	23.32	23.48	1	24.5			
1				37	23.57	23.65	23.47	1	24.5			
1				74	23.67	23.54	23.56	1	24.5			
36				0	22.43	22.30	22.22	2	23.5			
36		19	23.34	23.41	23.25	2	23.5					
36		38	23.38	23.35	23.31	2	23.5					
75		0	22.30	22.40	22.30	2	23.5					
16QAM		50	0	22.34	22.39	22.37	2	23.5				
			1	37	22.43	22.67	22.44	2	23.5			
			1	74	22.54	22.40	22.38	2	23.5			
			36	0	21.33	21.41	21.35	3	22.5			
			36	19	21.40	21.49	21.39	3	22.5			
			36	38	21.55	21.54	21.54	3	22.5			
			75	0	21.46	21.54	21.38	3	22.5			
			8QAM	50	0	22.34	22.39	22.37	2	23.5		
					1	37	22.43	22.67	22.44	2	23.5	
	1				74	22.54	22.40	22.38	2	23.5		
	36				0	21.33	21.41	21.35	3	22.5		
	36				19	21.40	21.49	21.39	3	22.5		
36	38	21.55			21.54	21.54	3	22.5				
75	0	21.46			21.54	21.38	3	22.5				
BW	Modulation	Channel			Frequency (MHz)	132072	132322	132572	3GPP MPR (dB)	Max. Tune-up (dBm)		
						1716	1745	1772				
						1	0	24.13	24.33	24.29	0	25.5
						1	24	24.35	24.48	24.36	0	25.5
						1	49	24.37	24.23			

LTE_Ant2 Default Power

LTE Band 42 FCC Part70 (Ant2)										
BW	MCS Index	RB Size		Low		Mid		High		
		Channel	RB Offset	42190	42598	42996	43394	43792	44190	
		Channel	RB Offset	42190	42598	42996	43394	43792	44190	
		Frequency (MHz)	3660	3660	3660	3660	3660	3660	3660	
20M	QPSK	1	0	20.98	20.89	20.95	0	22		
		1	50	21.11	21.00	20.97	0	22		
		1	99	20.89	20.86	20.81	0	22		
		50	0	20.97	20.95	20.96	1	21		
		50	25	20.21	20.12	20.02	1	21		
	16QAM	50	50	20.15	19.93	19.92	1	21		
		100	0	20.18	20.04	19.92	1	21		
		1	0	19.98	19.82	19.83	2	20		
		1	50	20.25	20.04	19.96	1	21		
		1	99	20.10	19.83	19.95	1	21		
64QAM	50	0	19.21	19.03	19.07	2	20			
	50	25	19.14	19.01	19.02	2	20			
	50	50	19.12	19.06	18.99	2	20			
	100	0	19.09	19.00	18.92	2	20			
	1	0	18.68	18.63	18.53	2	20			
	1	50	18.80	18.63	18.53	2	20			
	1	99	18.67	18.50	18.47	2	20			
	50	0	18.11	18.03	17.89	3	19			
	50	25	18.06	18.05	17.98	3	19			
	50	50	18.07	17.90	17.85	3	19			
100	0	18.02	17.90	17.87	3	19				
20M	QPSK	1	0	20.95	20.81	20.89	0	22		
		1	37	21.04	20.95	20.82	0	22		
		1	74	20.88	20.85	20.80	0	22		
		36	0	20.91	20.94	20.92	1	21		
		36	19	20.13	19.98	19.94	1	21		
	16QAM	36	39	20.06	19.92	19.83	1	21		
		75	0	20.03	19.95	19.90	1	21		
		1	0	20.09	19.95	20.01	1	21		
		1	37	20.19	19.94	19.87	1	21		
		1	74	20.03	19.89	19.83	1	21		
64QAM	36	0	19.07	18.90	18.97	2	20			
	36	19	19.02	18.92	18.97	2	20			
	36	39	19.04	18.99	18.99	2	20			
	75	0	18.97	18.89	18.83	2	20			
	1	0	18.56	18.57	18.51	2	20			
20M	QPSK	1	0	20.92	20.80	20.83	0	22		
		1	24	20.99	20.85	20.85	0	22		
		1	48	20.85	20.85	20.72	0	22		
		25	0	19.95	19.99	19.92	1	21		
		25	12	20.14	20.07	19.96	1	21		
	16QAM	25	25	20.06	19.88	19.84	1	21		
		50	0	20.05	20.03	19.86	1	21		
		1	0	20.09	19.85	19.98	1	21		
		1	24	20.24	19.96	19.88	1	21		
		1	49	20.04	19.78	19.89	1	21		
64QAM	25	0	19.08	18.88	18.83	2	20			
	25	12	19.01	18.87	18.86	2	20			
	25	25	19.11	19.02	18.92	2	20			
	50	0	19.01	18.86	18.85	2	20			
	1	0	18.56	18.49	18.56	2	20			
20M	QPSK	1	0	20.90	20.76	20.83	0	22		
		1	12	20.99	20.92	20.85	0	22		
		1	24	20.82	20.76	20.68	0	22		
		12	0	20.00	19.91	19.85	1	21		
		12	6	20.07	19.99	19.90	1	21		
	16QAM	12	13	20.13	19.82	19.87	1	21		
		25	0	20.16	19.97	19.82	1	21		
		1	0	20.05	19.93	20.05	1	21		
		1	12	20.24	19.90	19.83	1	21		
		1	24	20.01	19.78	19.81	1	21		
64QAM	12	0	19.07	18.90	18.90	2	20			
	12	6	18.09	18.87	18.89	2	20			
	12	13	18.88	18.83	18.89	2	20			
	25	0	18.00	18.85	18.84	2	20			
	1	0	18.63	18.50	18.56	2	20			
20M	QPSK	1	0	20.95	20.78	20.74	0	22		
		1	12	20.97	20.89	20.72	0	22		
		1	24	20.77	20.64	20.61	0	22		
		12	0	19.93	19.97	19.71	1	21		
		12	6	19.96	19.95	19.68	1	21		
	16QAM	12	13	20.05	19.78	19.70	1	21		
		25	0	19.89	19.82	19.74	1	21		
		1	0	20.01	20.04	19.77	1	21		
		1	12	19.90	19.92	19.87	1	21		
		1	24	19.89	19.79	19.72	1	21		
64QAM	12	0	18.84	18.84	18.73	2	20			
	12	6	18.04	18.84	18.87	2	20			
	12	13	18.82	18.80	18.73	2	20			
	25	0	18.89	18.88	18.73	2	20			
	1	0	18.57	18.46	18.32	2	20			
20M	QPSK	1	0	20.94	20.78	20.74	0	22		
		1	12	20.96	20.91	20.76	0	22		
		1	24	20.75	20.67	20.58	0	22		
		12	0	19.93	19.97	19.71	1	21		
		12	6	19.96	19.95	19.68	1	21		
	16QAM	12	13	20.05	19.78	19.70	1	21		
		25	0	19.89	19.82	19.74	1	21		
		1	0	20.01	20.04	19.77	1	21		
		1	12	19.90	19.92	19.87	1	21		
		1	24	19.89	19.79	19.72	1	21		
64QAM	12	0	18.84	18.84	18.73	2	20			
	12	6	18.04	18.84	18.87	2	20			
	12	13	18.82	18.80	18.73	2	20			
	25	0	18.89	18.88	18.73	2	20			
	1	0	18.57	18.46	18.32	2	20			

LTE Band 42 FCC Part96 (Ant2)										
BW	MCS Index	RB Size		Low		Mid		High		
		Channel	RB Offset	41910	42340	42770	43200	43630	44060	
		Channel	RB Offset	41910	42340	42770	43200	43630	44060	
		Frequency (MHz)	3660	3678	3696	3696	3696	3696	3696	
20M	QPSK	1	0	20.96	20.87	20.77	0	22		
		1	50	20.88	20.93	20.82	0	22		
		1	99	20.88	20.74	20.62	0	22		
		50	0	20.92	20.92	20.69	1	21		
		50	25	20.00	19.98	19.81	1	21		
	16QAM	50	50	20.01	19.88	19.72	1	21		
		100	0	19.93	19.80	19.74	1	21		
		1	0	20.03	20.05	19.90	1	21		
		1	50	19.98	19.95	19.96	1	21		
		1	99	20.00	19.88	19.74	1	21		
64QAM	50	0	18.84	18.86	18.76	2	20			
	50	25	18.95	18.94	18.88	2	20			
	50	50	18.05	18.91	18.76	2	20			
	100	0	19.01	18.94	18.81	2	20			
	1	0	18.60	18.52	18.47	2	20			
	1	50	18.59	18.59	18.41	2	20			
	1	99	18.52	18.27	18.41	2	20			
	50	0	17.84	17.98	17.82	3	19			
	50	25	17.83	17.84	17.73	3	19			
	50	50	17.85	17.87	17.73	3	19			
100	0	17.86	17.89	17.80	3	19				
20M	QPSK	1	0	20.97	20.72	20.64	0	22		
		1	37	20.83	20.79	20.79	0	22		
		1	74	20.87	20.60	20.49	0	22		
		36	0	19.98	19.93	19.69	1	21		
		36	19	19.98	19.91	19.74	1	21		
	16QAM	36	39	19.95	19.79	19.65	1	21		
		75	0	19.81	19.81	19.69	1	21		
		1	0	19.96	19.95	19.84	1	21		
		1	37	19.97	19.89	19.91	1	21		
		1	74	19.98	19.85	19.69	1	21		
64QAM	36	0	18.84	18.84	18.69	2	20			
	36	19	18.84	18.90	18.79	2	20			
	36	39	18.02	18.84	18.62	2	20			
	75	0	18.85	18.83	18.70	2	20			
	1	0	18.50	18.41	18.22	2	20			
20M	QPSK	1	0	20.92	20.76	20.73	0	22		
		1	37	20.82	20.49	20.39	2	20		
		1	74	20.80	20.38	20.39	2	20		
		36	0	19.87	19.93	19.66	3	19		
		36	39	17.82	17.83	17.63	3	19		
	16QAM	75	0	17.84	17.80	17.71	3	19		

LTE_Ant3 Default Power

		LTE Band 2 (Ant3)						
BW	Modulation	RB Size	RB Offset	Low	High	SPP	Max.	
		Channel	Frequency (MHz)	1930	1930	1930	MPR (dB)	Time-up (dB)
20M	QPSK	1	0	23.64	23.72	23.68	0	25
		1	50	23.66	23.74	23.74	0	25
		1	99	23.71	23.75	23.66	0	25
		100	0	22.79	22.77	22.77	1	24
		50	25	22.87	22.85	22.81	1	24
	16QAM	1	0	22.82	22.78	22.84	1	24
		1	99	23.04	23.01	22.95	1	24
		50	0	21.61	21.66	21.76	2	23
		50	25	21.71	21.85	21.75	2	23
		100	0	21.69	21.84	21.71	2	23
64QAM	1	0	21.53	21.52	21.76	2	23	
	1	99	21.93	21.85	21.82	2	23	
	1	99	21.82	21.84	21.77	2	23	
	50	0	20.69	21.03	20.95	3	22	
	100	0	20.86	20.96	20.88	3	22	
30M	QPSK	1	0	23.62	23.59	23.62	0	25
		1	37	23.77	23.74	23.70	0	25
		1	74	23.68	23.64	23.59	0	25
		36	0	22.74	22.79	22.64	1	24
		36	19	22.86	22.72	22.68	1	24
	16QAM	1	0	22.69	22.76	22.62	1	24
		1	37	22.97	23.00	22.85	1	24
		1	74	22.95	22.88	22.83	1	24
		36	0	21.66	21.69	21.69	2	23
		36	19	21.59	21.73	21.65	2	23
64QAM	1	0	21.71	21.76	21.59	2	23	
	1	37	21.88	21.80	21.81	2	23	
	1	74	21.73	21.76	21.69	2	23	
	36	0	20.36	20.36	20.33	3	22	
	36	19	20.74	20.88	20.83	3	22	
40M	QPSK	1	0	23.56	23.56	23.64	0	25
		1	24	23.76	23.76	23.65	0	25
		1	48	23.65	23.65	23.53	0	25
		25	0	22.73	22.66	22.66	1	24
		25	12	22.83	22.74	22.83	1	24
	16QAM	1	0	22.67	22.77	22.61	1	24
		1	24	22.87	22.98	22.94	1	24
		1	48	23.01	23.01	23.10	1	24
		25	0	21.47	21.74	21.70	2	23
		25	12	21.64	21.73	21.69	2	23
64QAM	1	0	21.66	21.69	21.58	2	23	
	1	0	21.63	21.67	21.64	2	23	
	1	24	21.87	21.92	21.79	2	23	
	1	49	21.78	21.78	21.67	2	23	
	25	0	20.82	20.91	20.94	3	22	
50M	QPSK	1	0	23.52	23.50	23.58	0	25
		1	12	23.83	23.74	23.69	0	25
		1	24	23.61	23.61	23.50	0	25
		12	0	22.64	22.80	22.74	1	24
		12	6	22.82	22.74	22.67	1	24
	16QAM	1	0	22.67	22.71	22.59	1	24
		1	12	22.87	22.80	22.82	1	24
		1	24	22.93	23.05	23.01	1	24
		1	24	22.91	22.98	22.90	1	24
		12	0	21.60	21.84	21.70	2	23
64QAM	1	0	21.62	21.61	21.62	2	23	
	1	13	21.67	21.86	21.61	2	23	
	25	0	21.56	21.79	21.61	2	23	
	1	12	21.84	21.85	21.69	2	23	
	1	24	21.67	21.72	21.68	2	23	
60M	QPSK	1	0	23.50	23.46	23.56	0	25
		1	14	23.63	23.73	23.55	0	25
		8	0	22.65	22.68	22.67	1	24
		8	3	22.82	22.78	22.71	1	24
		8	7	22.68	22.76	22.54	1	24
	16QAM	1	0	22.68	22.61	22.61	1	24
		1	0	22.69	22.85	22.62	1	24
		1	7	22.96	23.09	22.91	1	24
		1	14	22.94	23.06	22.99	1	24
		8	0	20.82	20.97	20.81	3	22
64QAM	1	0	20.76	20.87	20.86	3	22	
	8	7	20.95	21.02	20.73	3	22	
	15	0	20.74	20.98	20.72	3	22	
	1	0	21.71	21.75	21.67	2	23	
	1	7	21.80	21.85	21.68	2	23	
70M	QPSK	1	0	23.57	23.57	23.55	0	25
		1	14	23.79	23.73	23.71	0	25
		1	14	23.63	23.73	23.55	0	25
		8	0	22.65	22.68	22.67	1	24
		8	3	22.82	22.78	22.71	1	24
	16QAM	1	0	22.67	22.76	22.54	1	24
		1	0	22.69	22.85	22.62	1	24
		1	7	22.96	23.09	22.91	1	24
		1	14	22.94	23.06	22.99	1	24
		8	0	20.82	20.97	20.81	3	22
64QAM	1	0	20.76	20.87	20.86	3	22	
	8	7	20.95	21.02	20.73	3	22	
	15	0	20.74	20.98	20.72	3	22	
	1	0	21.71	21.75	21.67	2	23	
	1	7	21.80	21.85	21.68	2	23	
80M	QPSK	1	0	23.57	23.57	23.55	0	25
		1	14	23.79	23.73	23.71	0	25
		1	14	23.63	23.73	23.55	0	25
		8	0	22.65	22.68	22.67	1	24
		8	3	22.82	22.78	22.71	1	24
	16QAM	1	0	22.67	22.76	22.54	1	24
		1	0	22.69	22.85	22.62	1	24
		1	7	22.96	23.09	22.91	1	24
		1	14	22.94	23.06	22.99	1	24
		8	0	20.82	20.97	20.81	3	22
64QAM	1	0	20.76	20.87	20.86	3	22	
	8	7	20.95	21.02	20.73	3	22	
	15	0	20.74	20.98	20.72	3	22	
	1	0	21.71	21.75	21.67	2	23	
	1	7	21.80	21.85	21.68	2	23	
90M	QPSK	1	0	23.57	23.57	23.55	0	25
		1	14	23.79	23.73	23.71	0	25
		1	14	23.63	23.73	23.55	0	25
		8	0	22.65	22.68	22.67	1	24
		8	3	22.82	22.78	22.71	1	24
	16QAM	1	0	22.67	22.76	22.54	1	24
		1	0	22.69	22.85	22.62	1	24
		1	7	22.96	23.09	22.91	1	24
		1	14	22.94	23.06	22.99	1	24
		8	0	20.82	20.97	20.81	3	22
64QAM	1	0	20.76	20.87	20.86	3	22	
	8	7	20.95	21.02	20.73	3	22	
	15	0	20.74	20.98	20.72	3	22	
	1	0	21.71	21.75	21.67	2	23	
	1	7	21.80	21.85	21.68	2	23	
100M	QPSK	1	0	23.57	23.57	23.55	0	25
		1	14	23.79	23.73	23.71	0	25
		1	14	23.63	23.73	23.55	0	25
		8	0	22.65	22.68	22.67	1	24
		8	3	22.82	22.78	22.71	1	24
	16QAM	1	0	22.67	22.76	22.54	1	24
		1	0	22.69	22.85	22.62	1	24
		1	7	22.96	23.09	22.91	1	24
		1	14	22.94	23.06	22.99	1	24
		8	0	20.82	20.97	20.81	3	22
64QAM	1	0	20.76	20.87	20.86	3	22	
	8	7	20.95	21.02	20.73	3	22	
	15	0	20.74	20.98	20.72	3	22	
	1	0	21.71	21.75	21.67	2	23	
	1	7	21.80	21.85	21.68	2	23	

		LTE Band 4 (Ant3)						
BW	Modulation	RB Size	RB Offset	Low	High	SPP	Max.	
		Channel	Frequency (MHz)	2095	2075	2030	MPR (dB)	Time-up (dB)
20M	QPSK	1	0	23.65	23.69	23.73	0	25.5
		1	50	23.66	23.66	23.74	0	25.5
		1	99	23.66	23.75	23.71	0	25.5
		100	0	22.72	22.75	22.69	1	24.5
		50	25	22.85	22.85	22.82	1	24.5
	16QAM	1	0	22.80	23.14	22.91	1	24.5
		1	99	23.02	22.85	22.93	1	24.5
		50	0	21.70	21.68	21.70	2	23.5
		50	25	21.77	21.75	21.71	2	23.5
		100	0	21.74	21.82	21.70	2	23.5
64QAM	1	0	21.67	21.67	21.73	2	23.5	
	1	99	21.89	21.85	21.79	2	23.5	
	1	99	21.81	21.77	21.71	2	23.5	
	50	0	20.82	20.93	20.88	3	22.5	
	100	0	20.79	20.84	20.82	3	22.5	
30M	QPSK	1	0	23.62	23.60	23.70	0	25.5
		1	37	23.79	23.76	23.79	0	25.5
		1	74	23.64	23.64	23.58	0	25.5
		36	0	22.78	22.74	22.81	1	24.5
		36	19	22.82	22.80	22.70	1	24.5
	16QAM	1	0	22.66	22.68	22.66	1	24.5
		1	37	22.86	23.11	22.80	1	24.5
		1	74	22.98	22.73	22.83	1	24.5
		36	0	21.68	21.68	21.68	2	23.5
		36	19	21.74	21.68	21.59	2	23.5
64QAM	1	0	21.55	21.75	21.78	2	23.5	
	1	37	21.75	21.78	21.63	2	23.5	

LTE Band 66 (Ant3)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)		
				Frequency (MHz)	2580	2585			2616	3GPP MPR (dB)
5M	QPSK	50	0	23.83	23.70	23.85	0	25.5		
				23.87	23.74	23.92	0	25.5		
				23.91	23.78	23.96	0	25.5		
				23.95	23.82	24.00	0	25.5		
				23.99	23.86	24.04	0	25.5		
				24.03	23.90	24.08	0	25.5		
				24.07	23.94	24.12	0	25.5		
				24.11	23.98	24.16	0	25.5		
				24.15	24.02	24.20	0	25.5		
				24.19	24.06	24.24	0	25.5		
10M	16QAM	80	0	23.87	23.74	23.92	1	24.5		
				23.91	23.78	23.96	1	24.5		
				23.95	23.82	24.00	1	24.5		
				23.99	23.86	24.04	1	24.5		
				24.03	23.90	24.08	1	24.5		
				24.07	23.94	24.12	1	24.5		
				24.11	23.98	24.16	1	24.5		
				24.15	24.02	24.20	1	24.5		
				24.19	24.06	24.24	1	24.5		
				24.23	24.10	24.28	1	24.5		
15M	64QAM	100	0	23.91	23.78	23.96	2	23.5		
				23.95	23.82	24.00	2	23.5		
				23.99	23.86	24.04	2	23.5		
				24.03	23.90	24.08	2	23.5		
				24.07	23.94	24.12	2	23.5		
				24.11	23.98	24.16	2	23.5		
				24.15	24.02	24.20	2	23.5		
				24.19	24.06	24.24	2	23.5		
				24.23	24.10	24.28	2	23.5		
				24.27	24.14	24.32	2	23.5		
20M	256QAM	140	0	23.95	23.82	23.98	3	22.5		
				23.99	23.86	24.02	3	22.5		
				24.03	23.90	24.06	3	22.5		
				24.07	23.94	24.10	3	22.5		
				24.11	23.98	24.14	3	22.5		
				24.15	24.02	24.18	3	22.5		
				24.19	24.06	24.22	3	22.5		
				24.23	24.10	24.26	3	22.5		
				24.27	24.14	24.30	3	22.5		
				24.31	24.18	24.34	3	22.5		
25M	256QAM	180	0	23.99	23.86	24.02	3	22.5		
				24.03	23.90	24.06	3	22.5		
				24.07	23.94	24.10	3	22.5		
				24.11	23.98	24.14	3	22.5		
				24.15	24.02	24.18	3	22.5		
				24.19	24.06	24.22	3	22.5		
				24.23	24.10	24.26	3	22.5		
				24.27	24.14	24.30	3	22.5		
				24.31	24.18	24.34	3	22.5		
				24.35	24.22	24.38	3	22.5		

LTE Band 38 (Ant3)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)		
				Frequency (MHz)	2580	2585			2616	3GPP MPR (dB)
5M	QPSK	50	0	23.43	23.46	23.39	0	25		
				23.47	23.49	23.42	0	25		
				23.51	23.53	23.46	0	25		
				23.55	23.57	23.50	0	25		
				23.59	23.61	23.54	0	25		
				23.63	23.65	23.58	0	25		
				23.67	23.69	23.62	0	25		
				23.71	23.73	23.66	0	25		
				23.75	23.77	23.70	0	25		
				23.79	23.81	23.74	0	25		
10M	16QAM	80	0	23.47	23.49	23.42	1	24		
				23.51	23.53	23.46	1	24		
				23.55	23.57	23.50	1	24		
				23.59	23.61	23.54	1	24		
				23.63	23.65	23.58	1	24		
				23.67	23.69	23.62	1	24		
				23.71	23.73	23.66	1	24		
				23.75	23.77	23.70	1	24		
				23.79	23.81	23.74	1	24		
				23.83	23.85	23.78	1	24		
15M	64QAM	100	0	23.51	23.49	23.42	2	23		
				23.55	23.53	23.46	2	23		
				23.59	23.57	23.50	2	23		
				23.63	23.61	23.54	2	23		
				23.67	23.65	23.58	2	23		
				23.71	23.69	23.62	2	23		
				23.75	23.73	23.66	2	23		
				23.79	23.77	23.70	2	23		
				23.83	23.81	23.74	2	23		
				23.87	23.85	23.78	2	23		
20M	256QAM	140	0	23.55	23.49	23.42	3	22		
				23.59	23.53	23.46	3	22		
				23.63	23.57	23.50	3	22		
				23.67	23.61	23.54	3	22		
				23.71	23.65	23.58	3	22		
				23.75	23.69	23.62	3	22		
				23.79	23.73	23.66	3	22		
				23.83	23.77	23.70	3	22		
				23.87	23.81	23.74	3	22		
				23.91	23.85	23.78	3	22		
25M	256QAM	180	0	23.59	23.49	23.42	3	22		
				23.63	23.53	23.46	3	22		
				23.67	23.57	23.50	3	22		
				23.71	23.61	23.54	3	22		
				23.75	23.65	23.58	3	22		
				23.79	23.69	23.62	3	22		
				23.83	23.73	23.66	3	22		
				23.87	23.77	23.70	3	22		
				23.91	23.81	23.74	3	22		
				23.95	23.85	23.78	3	22		

LTE Band 41 (Ant3)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)		
				Frequency (MHz)	2460	2465			2495	3GPP MPR (dB)
5M	QPSK	50	0	20.22	20.20	20.17	0	22		
				20.26	20.24	20.21	0	22		
				20.30	20.28	20.25	0	22		
				20.34	20.32	20.29	0	22		
				20.38	20.36	20.33	0	22		
				20.42	20.40	20.37	0	22		
				20.46	20.44	20.41	0	22		
				20.50	20.48	20.45	0	22		
				20.54	20.52	20.49	0	22		
				20.58	20.56	20.53	0	22		
10M	16QAM	80	0	20.26	20.24	20.21	1	21		
				20.30	20.28	20.25	1	21		
				20.34	20.32	20.29	1	21		
				20.38	20.36	20.33	1	21		
				20.42	20.40	20.37	1	21		
				20.46	20.44	20.41	1	21		
				20.50	20.48	20.45	1	21		
				20.54	20.52	20.49	1	21		
				20.58	20.56	20.53	1	21		
				20.62	20.60	20.57	1	21		
15M	64QAM	100	0	20.30	20.28	20.25	2	20		
				20.34	20.32	20.29	2	20		
				20.38	20.36	20.33	2	20		
				20.42	20.40	20.37	2	20		
				20.46	20.44	20.41	2	20		
				20.50	20.48	20.45	2	20		
				20.54	20.52	20.49	2	20		
				20.58	20.56	20.53	2	20		
				20.62	20.60	20.57	2	20		
				20.66	20.64	20.61	2	20		
20M	256QAM	140	0	20.34	20.28	20.22	3	19		
				20.38	20.32	20.26	3	19		
				20.42	20.36	20.30	3	19		
				20.46	20.40	20.34	3	19		
				20.50	20.44	20.38	3	19		
				20.54	20.48	20.42	3	19		
				20.58	20.52	20.46	3	19		
				20.62	20.56	20.50	3	19		
				20.66	20.60	20.54	3	19		
				20.70	20.64	20.58	3	19		
25M	256QAM	180	0	20.38	20.28	20.22	3	19		
				20.42	20.32	20.26	3	19		
				20.46	20.36	20.30	3	19		
				20.50	20.40	20.34	3	19		
				20.54	20.44	20.38	3	19		
				20.58	20.48	20.42	3	19		
				20.62	20.52	20.46	3	19		
				20.66	20.56	20.50	3	19		
				20.70	20.60	20.54	3	19		
				20.74	20.64	20.58	3	19		

LTE Band 42 FCC Part70 (Ant3)										
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR	Max. Time-up (dBm)		
		Channel	4296	4296	4304	4304				
20M	QPSK	Frequency (MHz)	3460	3560	3660	3760	3860	0	20	
		1	0	18.34	18.19	18.30	0	20		
		1	50	18.38	18.24	18.69	0	20		
		1	99	18.33	18.16	18.47	0	20		
		50	0	17.24	17.26	17.35	1	19		
	16QAM	1	0	17.33	17.34	17.36	1	19		
		1	50	17.28	17.41	17.47	1	19		
		1	99	17.38	17.37	17.37	1	19		
		50	0	16.34	16.35	16.46	2	18		
		50	25	16.28	16.29	16.51	2	18		
64QAM	1	0	16.30	16.29	16.62	2	18			
	1	0	16.24	16.16	16.30	2	18			
	1	50	16.20	16.31	16.15	2	18			
	1	99	16.18	16.21	16.19	2	18			
	50	0	15.38	15.25	15.65	3	17			
MCS Index	Channel	4216	4288	4360	4432	4504	3GPP MPR	Max. Time-up		
	Frequency (MHz)	3467.5	3560	3642.5	3735	3817.5	0	20		
	1	0	18.24	18.15	18.21	0	20			
	1	27	18.29	18.17	18.44	0	20			
	1	74	18.21	18.14	18.34	0	20			
15M	QPSK	36	0	17.21	17.25	17.24	1	19		
		36	19	17.28	17.30	17.33	1	19		
		36	39	17.44	17.23	17.68	1	19		
		75	0	17.23	17.51	17.42	1	19		
		1	0	17.27	17.20	17.23	1	19		
	16QAM	1	37	17.17	17.28	17.42	1	19		
		1	74	17.23	17.16	17.40	1	19		
		36	0	16.23	16.27	16.36	2	18		
		36	19	16.11	16.19	16.40	2	18		
		36	39	16.15	16.12	16.28	2	18		
64QAM	1	0	16.30	16.21	16.37	2	18			
	1	0	16.13	16.15	16.18	2	18			
	1	37	16.19	16.29	16.09	2	18			
	1	74	16.16	16.16	16.06	2	18			
	36	0	15.27	15.18	15.33	3	17			
MCS Index	Channel	4216	4288	4360	4432	4504	3GPP MPR	Max. Time-up		
	Frequency (MHz)	3467.5	3560	3642.5	3735	3817.5	0	20		
	1	0	18.25	18.12	18.26	0	20			
	1	24	18.36	18.16	18.67	0	20			
	1	49	18.23	18.12	18.38	0	20			
10M	QPSK	25	0	17.12	17.16	17.22	1	19		
		25	12	17.23	17.37	17.43	1	19		
		25	25	17.16	17.21	17.45	1	19		
		50	0	17.13	17.40	17.56	1	19		
		1	0	17.20	17.32	17.34	1	19		
	16QAM	1	24	17.24	17.39	17.38	1	19		
		1	49	17.37	17.21	17.66	1	19		
		25	0	16.23	16.24	16.45	2	18		
		25	12	16.18	16.18	16.45	2	18		
		25	25	16.09	16.22	16.32	2	18		
64QAM	1	0	16.23	16.23	16.30	2	18			
	1	0	16.19	16.15	16.20	2	18			
	1	24	16.08	16.24	16.05	2	18			
	1	49	16.13	16.18	16.11	2	18			
	25	0	15.32	15.18	15.44	3	17			
MCS Index	Channel	4216	4288	4360	4432	4504	3GPP MPR	Max. Time-up		
	Frequency (MHz)	3467.5	3560	3642.5	3735	3817.5	0	20		
	1	0	18.28	18.10	18.19	0	20			
	1	12	18.29	18.20	18.41	0	20			
	1	24	18.30	18.11	18.39	0	20			
5M	QPSK	12	0	17.20	17.16	17.33	1	19		
		12	6	17.22	17.26	17.46	1	19		
		12	13	17.19	17.25	17.46	1	19		
		25	0	17.21	17.42	17.46	1	19		
		1	0	17.32	17.23	17.33	1	19		
	16QAM	1	12	17.26	17.35	17.39	1	19		
		1	24	17.36	17.18	17.44	1	19		
		12	0	16.20	16.29	16.36	2	18		
		12	6	16.17	16.27	16.40	2	18		
		12	13	16.15	16.20	16.36	2	18		
64QAM	1	0	16.30	16.17	16.29	2	18			
	1	0	16.13	16.08	16.25	2	18			
	1	12	16.17	16.17	16.13	2	18			
	1	24	16.06	16.10	16.15	2	18			
	12	0	15.24	15.21	15.42	3	17			
MCS Index	Channel	4216	4288	4360	4432	4504	3GPP MPR	Max. Time-up		
	Frequency (MHz)	3467.5	3560	3642.5	3735	3817.5	0	20		
	1	0	18.28	18.10	18.19	0	20			
	1	12	18.24	18.29	18.35	0	20			
	1	24	18.13	18.10	18.35	0	20			

LTE Band 42 FCC Part96 (Ant3)										
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR	Max. Time-up (dBm)		
		Channel	4304	4304	4312	4312				
20M	QPSK	Frequency (MHz)	3860	3978	3860	3978	3860	0	20	
		1	0	18.35	18.39	18.25	0	20		
		1	50	18.46	18.38	18.40	0	20		
		1	99	18.23	18.28	18.38	0	20		
		50	0	17.43	17.38	17.33	1	19		
	16QAM	50	25	17.41	17.29	17.36	1	19		
		50	50	17.31	17.38	17.36	1	19		
		100	0	17.45	17.34	17.37	1	19		
		1	0	17.38	17.42	17.28	1	19		
		1	50	17.49	17.41	17.43	1	19		
64QAM	1	99	17.39	17.39	17.39	1	19			
	50	0	16.42	16.41	16.28	2	18			
	50	25	16.48	16.35	16.27	2	18			
	50	50	16.42	16.32	16.42	2	18			
	100	0	16.46	16.46	16.46	2	18			
MCS Index	Channel	4160	4240	4320	4400	4480	3GPP MPR	Max. Time-up		
	Frequency (MHz)	3857.5	3978	3857.5	3978	3857.5	0	20		
	1	0	18.34	18.36	18.18	0	20			
	1	37	18.31	18.23	18.34	0	20			
	1	74	18.18	18.16	18.35	0	20			
15M	QPSK	36	0	17.48	17.34	17.28	1	19		
		36	19	17.26	17.19	17.34	1	19		
		36	39	17.23	17.30	17.23	1	19		
		75	0	17.32	17.33	17.32	1	19		
		1	0	17.33	17.29	17.19	1	19		
	16QAM	1	37	17.40	17.39	17.42	1	19		
		1	74	17.16	17.27	17.34	1	19		
		36	0	16.20	16.29	16.24	2	18		
		36	19	16.45	16.32	16.20	2	18		
		36	39	16.37	16.30	16.30	2	18		
64QAM	1	0	16.21	16.28	16.08	2	18			
	1	37	16.26	16.25	16.21	2	18			
	1	74	16.10	16.26	16.23	2	18			
	36	0	15.32	15.15	15.16	3	17			
	36	19	15.38	15.30	15.30	3	17			
MCS Index	Channel	4160	4240	4320	4400	4480	3GPP MPR	Max. Time-up		
	Frequency (MHz)	3858	3978	3858	3978	3858	0	20		
	1	0	18.23	18.36	18.24	0	20			
	1	24	18.43	18.33	18.20	0	20			
	1	49	18.16	18.14	18.33	0	20			
10M	QPSK	25	0	17.40	17.35	17.20	1	19		
		25	12	17.38	17.28	17.21	1	19		
		25	25	17.23	17.34	17.15	1	19		
		50	0	17.43	17.28	17.33	1	19		
		1	0	17.27	17.31	17.24	1	19		
	16QAM	1	24	17.44	17.26	17.39	1	19		
		1	49	17.24	17.32	17.35	1	19		
		25	0	16.31	16.31	16.25	2	18		
		25	12	16.38	16.30	16.25	2	18		
		25	25	16.28	16.31	16.38	2	18		
64QAM	1	0	16.31	16.34	16.34	2	18			
	1	0	16.25	16.21	16.10	2	18			
	1	24	16.19	16.30	16.28	2	18			
	1	49	16.27	16.37	16.16	2	18			
	25	0	15.29	15.19	15.20	3	17			
MCS Index	Channel	4116	4240	4360	4480	4600	3GPP MPR	Max. Time-up		
	Frequency (MHz)	3852.5	3978	3852.5	3978	3852.5	0	20		
	1	0	18.20	18.25	18.21	0	20			
	1	12	18.24	18.29	18.35	0	20			
	1	24	18.13	18.10	18.35	0	20			
5M	QPSK	12	0	17.47	17.18	17.18	1	19		
		12	6	17.27	17.24	17.33	1	19		
		12	13	17.62	17.50	17.19	1	19		
		25	0	17.31	17.32	17.33	1	19		
		1	0	17.20	17.29	17.24	1	19		
	16QAM	1	12	17.30	17.28	17.34	1	19		
		1	24	17.16	17.27	17.29	1	19		
		12	0	16.32	16.29	16.15	2	18		
		12	6	16.46	16.21	16.15	2	18		
		12	13	16.34	16.22	16.33	2	18		
64QAM										

LTE_Ant4 Default Power

BW	Modulation	LTE Band 2 (Ant4)						
		RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)
		Channel Frequency (MHz)	1870	1880	1910	1920	1930	1940
20M	QPSK	1	0	22.94	23.12	22.98	0	24.5
		1	50	23.02	23.16	23.04	0	24.5
		1	98	23.01	23.05	22.96	0	24.5
		50	0	22.98	22.19	22.12	0	23.5
		50	25	22.95	22.17	22.03	1	23.5
	16QAM	50	50	21.93	22.14	21.96	1	23.5
		100	0	21.98	22.14	21.96	1	23.5
		1	0	22.12	22.21	22.26	1	23.5
		1	50	22.28	22.43	22.32	1	23.5
		1	98	22.34	22.31	22.26	1	23.5
60QAM	50	0	20.91	21.16	21.08	2	22.5	
	50	25	21.01	21.15	21.05	2	22.5	
	50	50	21.05	21.18	20.99	2	22.5	
	100	0	20.99	21.14	21.01	2	22.5	
	1	0	21.03	21.12	21.06	2	22.5	
	1	50	21.23	21.25	21.12	2	22.5	
	1	98	21.12	21.14	21.07	2	22.5	
	50	0	19.99	20.33	20.22	3	21.5	
	50	25	20.15	20.26	20.18	3	21.5	
	50	50	20.29	20.37	20.15	3	21.5	
20M	QPSK	1	0	20.17	20.35	20.14	3	21.5
		1	0	22.93	23.02	22.86	0	24.5
		1	37	22.81	23.04	22.90	0	24.5
		1	74	22.89	23.03	22.88	0	24.5
		36	0	22.00	22.12	21.98	1	23.5
	16QAM	36	19	21.95	22.16	22.01	1	23.5
		36	39	21.81	22.04	21.95	1	23.5
		75	0	21.82	22.13	21.85	1	23.5
		1	0	22.04	22.17	22.21	1	23.5
		1	37	22.14	22.26	22.21	1	23.5
60QAM	1	74	22.28	22.20	22.11	1	23.5	
	36	0	20.85	21.12	21.05	2	22.5	
	36	19	20.96	21.13	20.92	2	22.5	
	36	39	20.97	21.15	20.85	2	22.5	
	75	0	20.93	21.11	20.89	2	22.5	
	1	0	21.02	20.99	20.94	2	22.5	
	1	37	21.15	21.22	21.03	2	22.5	
	1	74	21.03	21.10	20.99	2	22.5	
	36	0	19.96	20.25	20.23	3	21.5	
	36	19	20.13	20.19	20.10	3	21.5	
20M	QPSK	36	39	20.22	20.12	20.12	3	21.5
		75	0	20.04	20.31	20.11	3	21.5
		1	0	22.91	23.11	22.91	0	24.5
		1	24	22.90	23.03	22.86	0	24.5
		1	49	22.91	22.97	22.84	0	24.5
	16QAM	25	0	21.87	22.06	21.97	1	23.5
		25	12	21.95	22.10	21.92	1	23.5
		25	25	21.86	22.03	21.85	1	23.5
		50	0	21.84	22.08	21.84	1	23.5
		1	0	21.98	22.11	22.14	1	23.5
60QAM	1	24	22.24	22.29	22.19	1	23.5	
	1	49	22.33	22.24	22.11	1	23.5	
	25	0	20.88	21.22	21.03	2	22.5	
	25	12	20.98	21.02	21.00	2	22.5	
	25	25	21.00	21.17	20.86	2	22.5	
	50	0	20.84	21.01	20.97	2	22.5	
	1	0	20.91	21.01	20.92	2	22.5	
	1	24	21.09	21.22	21.09	2	22.5	
	1	49	21.03	21.12	20.93	2	22.5	
	25	0	19.94	20.26	20.16	3	21.5	
20M	QPSK	25	12	20.02	20.22	20.09	3	21.5
		25	25	20.19	20.26	20.04	3	21.5
		50	0	20.09	20.30	20.02	3	21.5
		1	0	22.87	23.08	22.98	0	24.5
		1	24	22.96	23.26	23.00	0	24.5
	16QAM	12	0	21.98	22.07	21.99	1	23.5
		12	6	22.04	22.16	21.96	1	23.5
		25	13	21.88	22.10	21.98	1	23.5
		25	0	21.88	22.02	21.98	1	23.5
		1	0	22.03	22.07	22.24	1	23.5
60QAM	1	12	22.26	22.38	22.25	1	23.5	
	1	24	22.31	22.38	22.17	1	23.5	
	12	0	20.84	21.11	21.02	2	22.5	
	12	6	20.95	21.07	21.03	2	22.5	
	14	13	21.04	21.26	21.06	2	22.5	
	25	0	20.92	21.06	20.92	2	22.5	
	1	0	21.01	21.06	20.95	2	22.5	
	1	12	21.15	21.20	21.08	2	22.5	
	1	24	21.00	21.05	20.98	2	22.5	
	12	0	19.92	20.29	20.20	3	21.5	
20M	QPSK	12	6	20.11	20.19	20.16	3	21.5
		12	13	20.16	20.36	20.08	3	21.5
		25	0	20.10	20.25	20.10	3	21.5
		1	0	22.85	23.05	22.85	0	24.5
		1	7	22.88	23.10	22.90	0	24.5
	16QAM	1	14	23.00	22.89	22.80	0	24.5
		8	0	22.06	22.14	21.97	1	23.5
		8	3	22.01	22.09	21.89	1	23.5
		8	7	21.80	22.03	21.93	1	23.5
		15	0	21.97	22.07	21.89	1	23.5
60QAM	1	0	21.99	22.13	22.16	1	23.5	
	1	7	22.25	22.33	22.26	1	23.5	
	1	14	22.19	22.17	22.21	1	23.5	
	8	0	20.81	21.07	21.01	2	22.5	
	8	3	20.87	21.11	20.96	2	22.5	
	8	7	20.95	21.04	20.91	2	22.5	
	15	0	20.85	21.01	20.89	2	22.5	
	1	0	20.90	21.03	20.98	2	22.5	
	1	7	21.16	21.22	21.11	2	22.5	
	1	14	21.09	21.10	21.02	2	22.5	
20M	QPSK	8	0	19.85	20.25	20.14	3	21.5
		8	3	20.05	20.16	20.16	3	21.5
		8	7	20.21	20.31	20.11	3	21.5
		15	0	20.11	20.20	20.07	3	21.5
		1	0	22.87	23.04	22.89	0	24.5
	16QAM	1	2	22.88	23.01	22.80	0	24.5
		1	5	22.96	23.04	22.87	0	24.5
		3	0	22.87	22.98	22.92	0	24.5
		3	3	22.79	22.84	22.73	0	24.5
		3	3	22.62	22.82	22.74	0	24.5
60QAM	8	0	21.87	22.08	21.81	1	23.5	
	1	0	22.00	22.07	22.11	1	23.5	
	1	2	22.13	22.39	22.22	1	23.5	
	1	5	22.23	22.25	22.23	1	23.5	
	3	0	21.89	21.92	21.84	1	23.5	
	3	1	21.76	21.86	21.73	1	23.5	
	3	3	21.79	21.86	21.67	1	23.5	
	8	0	20.83	21.07	20.88	2	22.5	
	1	0	20.92	21.02	21.00	2	22.5	
	1	2	21.20	21.23	21.11	2	22.5	
20M	QPSK	1	5	21.05	21.06	21.00	2	22.5
		3	0	20.68	21.13	21.01	2	22.5
		3	1	20.85	20.97	20.88	2	22.5
		3	3	21.07	21.15	20.85	2	22.5
		8	0	20.09	20.19	20.02	3	21.5

BW	Modulation	LTE Band 4 (Ant4)						
		RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Time-up (dBm)
		Channel Frequency (MHz)	2020	2015	2010	2005	1995	1985
20M	QPSK	1	0	23.50	23.60	23.62	0	25
		1	50	23.59	23.80	23.71	0	25
		1	98	23.63	23.63	23.61	0	25
		50	0	22.95	22.72	22.77	1	24
		50	25	22.78	22.88	22.79	1	24
	16QAM	50	50	22.72	22.74	22.71	1	24
		100	0	22.73	22.78	22.71	1	24
		1	0	22.80	22.85	22.91	1	24
		1	50	22.93	23.00	22.94	1	24
		1	98	22.96	22.94	22.89	1	24
60QAM	50	0	21.92	21.69	21.66	2	23	
	50	25	21.73	21.76	21.71	2	23	
	50	50	21.88	21.79	21.73	2	23	
	100	0	21.74	21.50	21.50	2	23	
	1	0	21.82	21.69	21.80	2	23	
	1	50	21.80	21.50	21.78	2	23	
	1	98	21.89	21.75	21.64	2	23	
	50	0	20.84	20.84	21.00	3	22	
	50	25	20.85	20.87	20.87	3	22	
	50	50	21.03	20.89	20.87	3	22	
20M	QPSK	1	0	23.93	23.93	23.91	3	22
		1	0	23.45	23.48	23.38	0	25
		1	37	23.87	23.69	23.56	0	25
		1	74	23.58	23.59	23.43	0	25
		36	0	22.59	22.61	22.62	1	24
	16QAM	36	19	22.85	22.80	22.63	1	24
		36	39	22.73	22.69	22.61	1	24
		75	0	22.73	22.69	22.60	1	24
		1	0	22.78	22.83	22.80	1	24
		1	37	22.94	22.92	22.81	1	24
60QAM	1	74	22.89	22.87	22.85	1	24	
	36	0	21.69	21.54	21.61	2	23	
	36	19	21.99	21.86	21.59	2	23	
	36	39	21.86	21.74	21.59	2	23	
	75	0	21.71	21.64	21.56	2		

LTE Band 7 (An4)										
BW	Modulation	RB Size		Low		High		SCPP MPR (dB)	Max. Turn-up (dB)	
		Channel	RB Offset	2100	2100	2130	2130			
		Frequency (MHz)		2510	2515	2520	2525			
20M	QPSK	1	0	23.00	22.72	22.88	0	24.5		
		1	50	23.91	22.97	22.84	0	24.5		
		1	99	24.78	22.76	22.81	0	24.5		
		50	0	21.87	21.84	21.82	1	23.5		
		50	25	21.98	21.93	21.88	1	23.5		
		50	50	21.96	21.88	21.73	1	23.5		
	100	0	21.93	21.90	21.83	1	23.5			
	16QAM	1	0	22.10	22.04	22.00	1	23.5		
		1	50	22.18	22.15	22.08	1	23.5		
		1	99	21.98	21.96	21.95	1	23.5		
		50	0	20.93	20.87	20.84	2	22.5		
		50	25	20.97	20.89	20.82	2	22.5		
50		50	20.96	20.86	20.79	2	22.5			
100	0	20.95	20.85	20.80	2	22.5				
64QAM	1	0	21.15	21.00	21.04	2	22.5			
	1	50	21.17	21.12	21.09	2	22.5			
	1	99	21.00	20.91	20.85	2	22.5			
	50	0	19.96	19.88	19.81	3	21.5			
	50	25	20.04	20.01	19.97	3	21.5			
	50	50	19.97	19.86	19.82	3	21.5			
100	0	19.99	19.93	19.87	3	21.5				
BW	Modulation	Channel	2825	2100	2130	SCPP MPR (dB)	Max. Turn-up (dB)			
		Frequency (MHz)	2825	2825	2825					
	QPSK	1	0	22.86	22.84	22.83	0	24.5		
		1	37	22.98	22.92	22.89	0	24.5		
		1	74	22.73	22.73	22.77	0	24.5		
		36	0	21.76	21.82	21.76	1	23.5		
		36	19	21.89	21.87	21.76	1	23.5		
		36	39	21.88	21.87	21.80	1	23.5		
	75	0	21.88	21.79	21.75	1	23.5			
	16QAM	1	0	22.06	22.06	21.98	1	23.5		
		1	37	22.16	22.06	22.05	1	23.5		
		1	74	21.97	21.95	21.84	1	23.5		
36		0	20.88	20.77	20.77	2	22.5			
36		19	20.92	20.83	20.72	2	22.5			
36		39	20.88	20.87	20.76	2	22.5			
75	0	20.91	20.84	20.88	2	22.5				
64QAM	1	0	21.06	21.06	21.03	2	22.5			
	1	37	21.06	21.00	21.03	2	22.5			
	1	74	20.96	20.88	20.86	2	22.5			
	36	0	19.95	19.95	19.84	3	21.5			
	36	19	19.94	19.84	19.81	3	21.5			
	36	39	19.88	19.84	19.81	3	21.5			
75	0	19.84	19.86	19.75	3	21.5				

LTE Band 12 (An4)										
BW	Modulation	RB Size		Low		High		SCPP MPR (dB)	Max. Turn-up (dB)	
		Channel	RB Offset	2086	2096	2106	2116			
		Frequency (MHz)		704	707.5	711				
10M	QPSK	1	0	24.28	24.14	24.09	0	25		
		1	24	24.12	24.10	24.06	0	25		
		1	49	24.00	23.99	24.07	0	25		
		25	0	23.26	23.11	23.08	1	24		
		25	12	23.17	23.10	23.05	1	24		
		25	25	23.15	23.05	23.00	1	24		
	50	0	23.23	23.10	23.04	1	24			
	16QAM	1	0	23.50	23.48	23.30	1	24		
		1	24	23.43	23.29	23.28	1	24		
		1	49	23.32	23.21	23.31	1	24		
		25	0	22.31	22.09	21.98	2	23		
		25	12	22.14	22.11	22.02	2	23		
25		25	22.20	22.09	22.02	2	23			
50	0	22.23	22.11	21.99	2	23				
64QAM	1	0	22.39	22.30	22.16	2	23			
	1	24	22.30	22.27	22.21	2	23			
	1	49	22.18	22.16	22.15	2	23			
	25	0	21.21	21.08	21.00	3	22			
	25	12	21.16	21.11	21.05	3	22			
	25	25	21.19	21.08	21.01	3	22			
50	0	21.20	21.10	21.02	3	22				
BW	Modulation	Channel	2386	2386	2386	SCPP MPR (dB)	Max. Turn-up (dB)			
		Frequency (MHz)	719.5	719.5	719.5					
	QPSK	1	0	24.25	24.13	24.05	0	25		
		1	12	24.01	24.00	23.92	0	25		
		1	24	23.95	23.92	24.04	0	25		
		12	0	23.13	23.04	23.02	1	24		
		12	6	23.05	23.09	23.07	1	24		
		12	13	23.07	22.99	22.90	1	24		
	25	0	23.10	23.07	23.00	1	24			
	16QAM	1	0	23.37	23.40	23.28	1	24		
		1	12	23.41	23.15	23.23	1	24		
		1	24	23.27	23.20	23.27	1	24		
12		0	22.30	22.05	21.88	2	23			
12		6	22.13	22.04	21.94	2	23			
12		13	22.14	22.03	21.90	2	23			
25	0	22.11	22.05	21.95	2	23				
64QAM	1	0	22.26	22.15	22.08	2	23			
	1	12	22.26	22.15	22.08	2	23			
	1	24	22.09	22.11	22.14	2	23			
	12	0	21.08	21.02	20.93	3	22			
	12	6	21.14	21.03	21.04	3	22			
	12	13	21.09	21.02	20.90	3	22			
25	0	21.05	21.09	20.92	3	22				

LTE Band 13 (An4)									
BW	Modulation	RB Size		Low		High		SCPP MPR (dB)	Max. Turn-up (dB)
		Channel	RB Offset	2326	2326	2326	2326		
		Frequency (MHz)		718.5	718.5	718.5	718.5		
10M	QPSK	1	0	24.03	23.95	23.80	0	25	
		1	12	23.75	23.95	23.67	0	25	
		1	24	23.91	23.80	23.76	0	25	
		12	0	23.04	22.79	22.90	1	24	
		12	6	22.95	22.88	22.96	1	24	
		12	13	22.93	22.70	22.62	1	24	
	25	0	23.08	22.86	22.68	1	24		
	16QAM	1	0	23.14	23.39	23.15	1	24	
		1	12	23.28	23.02	22.99	1	24	
		1	24	23.01	22.91	23.18	1	24	
		12	0	22.05	21.87	21.86	2	23	
		12	6	21.98	21.87	21.69	2	23	
12		13	21.97	21.85	21.79	2	23		
25	0	21.86	21.82	21.71	2	23			
64QAM	1	0	22.22	22.19	21.84	2	23		
	1	12	22.16	22.20	21.97	2	23		
	1	24	21.95	21.95	21.85	2	23		
	12	0	21.00	20.87	20.66	3	22		
	12	6	21.03	20.86	20.83	3	22		
	12	13	20.84	20.83	20.91	3	22		
25	0	21.05	20.88	20.84	3	22			

LTE Band 7 (An4)									
BW	Modulation	RB Size		Low		High		SCPP MPR (dB)	Max. Turn-up (dB)
		Channel	RB Offset	2100	2100	2130	2130		
		Frequency (MHz)		2510	2515	2520	2525		
20M	QPSK	1	0	22.89	22.62	22.75	0	24.5	
		1	49	22.72	22.83	22.73	0	24.5	
		1	99	22.86	22.84	22.83	0	24.5	
		12	0	21.74	21.75	21.69	1	23.5	
		12	6	21.91	21.78	21.84	1	23.5	
		12	13	21.91	21.84	21.62	1	23.5	
	25	0	21.83	21.80	21.78	1	23.5		
	16QAM	1	0	22.06	21.94	21.96	1	23.5	
		1	12	22.08	22.06	22.06	1	23.5	
		1	24	21.97	21.94	21.92	1	23.5	
		12	0	20.89	20.75	20.74	2	22.5	
		12	6	20.89	20.87	20.80	2	22.5	
12		13	20.87	20.81	20.70	2	22.5		
25	0	20.92	20.88	20.77	2	22.5			
64QAM	1	0	21.07	20.87	20.89	2	22.5		
	1	12	21.15	21.06	20.89	2	22.5		
	1	24	20.97	20.77	20.84	2	22.5		
	12	0	19.88	19.84	19.80	3	21.5		
	12	6	19.94	19.87	19.84	3	21.5		
	12	13	19.86	19.83	19.78	3	21.5		
25	0	19.86	19.85	19.76	3	21.5			

LTE Band 12 (An4)									
BW	Modulation	RB Size		Low		High		SCPP MPR (dB)	Max. Turn-up (dB)
		Channel	RB Offset	2086	2096	2106	2116		
		Frequency (MHz)		704	707.5	711			
10M	QPSK	1	0	24.21	24.05	24.05	0	25	
		1	12	24.11	24.03	24.05	0	25	
		1	24	23.85	23.85	23.93	0	25	
		3	0	24.01	23.84	23.80	0	25	
		3	1	23.85	23.84	23.77	0	25	
		3	3	23.88	23.75	23.67	0	25	
	6								

LTE Band 17 (Ann1)										
BW	Modulation	RB Size		Low	Mid	High	SPP	Max.		
		Channel	RB Offset							Frequency (MHz)
10M	QPSK	1	0	24.05	24.07	24.12	0	25		
		1	24	24.02	24.04	23.98	0	25		
		1	49	23.99	23.98	24.02	0	25		
		25	0	23.00	23.01	22.94	1	24		
		25	12	23.05	23.03	23.09	1	24		
	50	0	22.98	23.02	23.05	1	24			
	1	0	23.31	23.34	23.29	1	24			
	1	24	23.29	23.30	23.17	1	24			
	1	49	23.21	23.27	23.32	1	24			
	25	0	21.96	21.98	21.95	2	23			
10M	16QAM	1	0	22.23	22.20	22.18	2	23		
		1	24	22.20	22.19	22.07	2	23		
		1	49	22.13	22.20	22.25	2	23		
		25	0	20.96	20.96	20.96	3	22		
		25	12	21.08	21.05	21.01	3	22		
	50	0	21.98	21.98	21.98	2	23			
	10M	64QAM	1	0	20.99	20.95	20.94	3	22	
			1	24	20.99	20.95	20.94	3	22	
			1	49	20.99	20.95	20.94	3	22	
			25	0	20.99	20.95	20.94	3	22	
25			12	21.08	21.05	21.01	3	22		
50		0	20.99	20.95	20.94	3	22			
5M		QPSK	1	0	23.02	23.05	23.07	0	25	
			1	12	23.02	23.01	23.04	0	25	
			1	24	23.04	23.05	23.06	0	25	
			12	0	22.86	23.00	22.93	1	24	
	12		6	23.01	22.94	22.99	1	24		
	12	13	23.00	22.90	22.89	1	24			
	25	0	22.97	22.90	23.04	1	24			
	1	0	23.16	23.30	23.21	1	24			
	1	12	23.17	23.23	23.12	1	24			
	1	24	23.19	23.24	23.19	1	24			
5M	16QAM	12	0	21.90	21.84	21.84	2	23		
		12	6	21.93	21.87	21.89	2	23		
		12	13	22.02	21.78	21.91	2	23		
		25	0	21.94	21.85	21.84	2	23		
		1	0	22.13	22.19	22.09	2	23		
	5M	64QAM	1	0	22.12	22.15	22.03	2	23	
			1	12	22.05	22.18	22.07	2	23	
			12	0	20.84	20.83	20.83	3	22	
			12	6	21.07	21.03	20.95	3	22	
			12	13	20.90	20.89	20.79	3	22	
25		0	20.89	20.81	20.80	3	22			

LTE Band 28 (Ann4)									
BW	Modulation	RB Size		Low	Mid	High	SPP	Max.	
		Channel	RB Offset						
15M	QPSK	1	0	23.96	24.01	23.87	0	25	
		1	37	23.85	23.88	23.85	0	25	
		1	74	23.86	23.89	23.85	0	25	
		36	0	22.93	22.96	22.89	1	24	
		36	19	22.79	22.88	22.85	1	24	
	75	0	22.74	22.93	22.90	1	24		
	1	0	23.17	23.11	23.04	1	24		
	1	37	23.22	23.25	23.14	1	24		
	1	74	23.14	23.16	23.03	1	24		
	36	0	21.95	21.95	21.96	2	23		
15M	16QAM	36	19	21.87	21.88	21.81	2	23	
		36	38	21.87	21.84	21.86	2	23	
		75	0	21.79	21.82	21.91	2	23	
		1	0	22.13	22.02	21.97	2	23	
		1	37	22.12	22.01	22.06	2	23	
	1	74	22.03	22.00	21.95	2	23		
	36	0	20.88	20.88	21.00	3	22		
	36	19	20.81	20.89	20.84	3	22		
	36	38	20.90	21.01	20.95	3	22		
	75	0	20.76	20.94	21.01	3	22		
10M	QPSK	1	0	23.96	24.01	23.87	0	25	
		1	24	23.82	23.82	23.70	0	25	
		1	49	23.74	23.75	23.76	0	25	
		25	0	22.81	22.86	22.88	1	24	
		25	12	22.70	22.80	22.84	1	24	
	25	25	22.73	22.89	22.76	1	24		
	50	0	22.65	22.92	22.86	1	24		
	1	0	23.09	23.09	23.09	1	24		
	1	24	23.19	23.23	23.15	1	24		
	1	49	23.09	23.00	22.97	1	24		
10M	16QAM	25	0	21.92	21.84	21.84	2	23	
		25	12	21.74	21.80	21.74	2	23	
		25	25	21.76	21.81	21.81	2	23	
		50	0	21.73	21.81	21.78	2	23	
		1	0	21.98	21.98	21.98	2	23	
	1	24	22.03	21.87	22.04	2	23		
	1	49	21.82	21.65	21.81	2	23		
	25	0	20.83	20.81	20.90	3	22		
	25	12	20.86	20.78	20.73	3	22		
	25	25	20.76	20.98	20.76	3	22		
50	0	20.62	20.80	20.93	3	22			
5M	QPSK	1	0	23.89	23.97	23.82	0	25	
		1	12	23.75	23.81	23.69	0	25	
		1	24	23.85	23.81	23.76	0	25	
		12	0	22.85	22.86	22.77	1	24	
		12	6	22.89	22.74	22.78	1	24	
	12	13	22.76	22.82	22.70	1	24		
	25	0	22.76	22.76	22.76	1	24		
	1	0	23.12	23.05	22.97	1	24		
	1	12	23.15	23.12	23.03	1	24		
	1	24	23.07	23.04	22.90	1	24		
12	0	21.81	21.90	21.83	2	23			
12	6	21.77	21.81	21.68	2	23			
12	13	21.83	21.92	21.82	2	23			
25	0	21.85	21.86	21.82	2	23			
1	0	22.06	21.95	21.96	2	23			
1	12	22.10	21.90	21.92	2	23			
1	24	21.85	21.70	21.75	2	23			
12	0	20.92	20.78	20.99	3	22			
12	6	20.85	20.87	20.77	3	22			
12	13	20.86	20.95	20.75	3	22			
25	0	20.75	20.83	20.99	3	22			
5M	QPSK	1	0	23.90	23.91	23.92	0	25	
		1	7	23.72	23.85	23.72	0	25	
		1	14	23.73	23.76	23.76	0	25	
		8	0	22.88	22.87	22.78	1	24	
		8	3	22.71	22.73	22.83	1	24	
	8	7	22.78	22.80	22.81	1	24		
	15	0	22.64	22.78	22.85	1	24		
	1	0	23.15	22.98	22.99	1	24		
	1	7	23.00	23.04	23.12	1	24		
	1	14	23.12	22.95	22.96	1	24		
8	0	21.88	21.92	21.84	2	23			
8	3	21.79	21.76	21.78	2	23			
8	7	21.72	21.90	21.75	2	23			
8	15	0	21.71	21.74	21.80	2	23		
1	0	22.07	22.01	21.89	2	23			
1	7	22.06	21.96	22.04	2	23			
1	14	21.87	21.69	21.75	2	23			
8	0	20.78	20.73	20.97	3	22			
8	3	20.89	20.86	20.79	3	22			
8	7	20.81	20.97	20.84	3	22			
15	0	20.64	20.88	21.00	3	22			
5M	QPSK	1	0	23.90	23.92	23.79	0	25	
		1	2	23.72	23.84	23.73	0	25	
		1	5	23.83	23.78	23.81	0	25	
		3	0	23.81	23.81	23.87	0	25	
		3	1	23.55	23.55	23.53	0	25	
	3	3	23.58	23.69	23.54	0	25		
	6	0	22.80	22.92	22.87	1	24		
	1	0	23.06	22.99	22.90	1	24		
	1	2	23.21	23.18	23.05	1	24		
	1	5	23.07	22.94	22.90	1	24		
3	0	22.96	22.87	22.88	1	24			
3	1	22.86	22.76	22.72	1	24			
3	3	22.77	22.85	22.87	1	24			
6	0	21.70	21.70	21.83	2	23			
1	0	22.08	21.91	21.92	2	23			
1	2	22.10	22.00	21.95	2	23			
1	5	21.84	21.67	21.78	2	23			
3	0	21.86	21.78	21.97	2	23			
3	1	21.82	21.79	21.81	2	23			
3	3	21.93	21.92	21.81	2	23			
6	0	20.61	20.83	20.99	3	22			

LTE Band 38 (Ann4)									
BW	Modulation	RB Size		Low	Mid	High	SPP	Max.	
		Channel	RB Offset						
20M	QPSK	1	0	23.32	23.34	23.26	0	25	
		1	50	23.23	23.30	23.22	0	25	
		1	99	23.29	23.21	23.18	0	25	
		50	0	22.39	22.41	22.26	1	24	

LTE Band 41 (Ant4)											
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)	
				Channel	3979.0	4018.5	4062.0	4105.5			4149.0
				Frequency (MHz)	2566	2549.5	2593	2636.5	2680		
20M	QPSK	1	0	23.45	23.32	23.25	23.27	23.23	0	25	
		1	50	23.45	23.27	23.32	23.22	23.22	0	25	
		1	99	23.34	23.24	23.17	23.15	23.18	0	25	
		50	0	22.45	22.40	22.41	22.33	22.25	1	24	
		50	25	22.23	22.35	22.37	22.28	22.20	1	24	
		50	50	22.36	22.34	22.31	22.24	22.16	1	24	
	100	0	22.47	22.32	22.37	22.30	22.15	1	24		
	16QAM	1	0	22.51	22.47	22.46	22.31	22.24	1	24	
		1	50	22.44	22.40	22.42	22.32	22.22	1	24	
		1	99	22.39	22.29	22.27	22.19	22.15	1	24	
		50	0	21.45	21.41	21.42	21.32	21.27	2	23	
		50	25	21.45	21.35	21.39	21.29	21.19	2	23	
		50	50	21.47	21.34	21.32	21.24	21.15	2	23	
	100	0	21.39	21.38	21.37	21.31	21.17	2	23		
	64QAM	1	0	21.33	21.31	21.31	21.17	21.10	2	23	
		1	50	21.37	21.28	21.28	21.23	21.19	2	23	
		1	99	21.18	21.13	21.12	21.25	21.16	2	23	
		50	0	20.40	20.39	20.38	20.30	20.23	3	22	
		50	25	20.43	20.31	20.34	20.24	20.16	3	22	
		50	50	20.40	20.30	20.28	20.22	20.23	3	22	
	100	0	20.42	20.35	20.33	20.27	20.13	3	22		
	15M	QPSK	1	0	23.44	23.20	23.20	23.13	23.18	0	25
			1	37	23.42	23.14	23.28	23.19	23.17	0	25
			1	74	23.31	23.23	23.16	23.01	23.08	0	25
36			0	22.39	22.34	22.28	22.23	22.21	1	24	
36			19	22.15	22.28	22.26	22.23	22.16	1	24	
36			39	22.30	22.22	22.29	22.11	22.13	1	24	
75		0	22.38	22.30	22.23	22.22	22.14	1	24		
16QAM		1	0	22.43	22.34	22.35	22.23	22.17	1	24	
		1	37	22.35	22.30	22.26	22.21	22.11	1	24	
		1	74	22.33	22.24	22.16	22.10	22.09	1	24	
		36	0	21.34	21.36	21.39	21.18	21.19	2	23	
		36	19	21.41	21.33	21.37	21.15	21.09	2	23	
		36	39	21.38	21.24	21.25	21.22	21.09	2	23	
75		0	21.38	21.30	21.23	21.25	21.14	2	23		
64QAM		1	0	21.38	21.16	21.23	21.14	21.01	2	23	
		1	37	21.29	21.13	21.20	21.09	21.05	2	23	
		1	74	21.10	21.05	21.09	21.11	21.08	2	23	
		36	0	20.37	20.33	20.36	20.23	20.09	3	22	
		36	19	20.33	20.19	20.32	20.12	20.07	3	22	
		36	39	20.31	20.16	20.19	20.21	20.15	3	22	
75		0	20.35	20.29	20.19	20.13	20.07	3	22		
10M		QPSK	1	0	23.37	23.20	23.20	23.13	23.18	0	25
			1	24	23.36	23.13	23.22	23.19	23.13	0	25
			1	49	23.27	23.20	23.13	23.06	23.03	0	25
	25		0	22.44	22.32	22.32	22.28	22.14	1	24	
	25		12	22.18	22.31	22.36	22.14	22.10	1	24	
	25		26	22.44	22.21	22.27	22.17	22.11	1	24	
	50	0	22.44	22.19	22.30	22.27	22.02	1	24		
	16QAM	1	0	22.39	22.45	22.38	22.22	22.13	1	24	
		1	24	22.32	22.34	22.39	22.31	22.09	1	24	
		1	49	22.34	22.21	22.20	22.16	22.07	1	24	
		25	0	21.41	21.39	21.32	21.28	21.23	2	23	
		25	12	21.38	21.23	21.36	21.27	21.16	2	23	
		25	26	21.46	21.26	21.31	21.15	21.14	2	23	
	50	0	21.35	21.31	21.28	21.26	21.02	2	23		
	64QAM	1	0	21.34	21.29	21.25	21.06	21.13	2	23	
		1	24	21.32	21.12	21.18	21.17	21.14	2	23	
		1	49	21.04	21.05	21.02	21.11	21.08	2	23	
		25	0	20.29	20.25	20.25	20.23	20.19	3	22	
		25	12	20.38	20.28	20.29	20.22	20.10	3	22	
		25	26	20.32	20.16	20.16	20.09	20.17	3	22	
	50	0	20.36	20.30	20.21	20.25	20.06	3	22		
	5M	QPSK	1	0	23.46	23.26	23.22	23.26	23.12	0	25
			1	12	23.35	23.26	23.20	23.15	23.11	0	25
			1	24	23.24	23.15	23.16	23.10	23.14	0	25
12			0	22.33	22.27	22.38	22.24	22.20	1	24	
12			6	22.18	22.30	22.29	22.22	22.06	1	24	
12			13	22.24	22.28	22.27	22.14	22.13	1	24	
25		0	22.36	22.22	22.23	22.16	22.13	1	24		
16QAM		1	0	22.40	22.38	22.32	22.21	22.20	1	24	
		1	12	22.41	22.39	22.30	22.27	22.10	1	24	
		1	24	22.35	22.27	22.12	22.05	22.02	1	24	
		12	0	21.40	21.33	21.35	21.26	21.14	2	23	
		12	6	21.42	21.30	21.33	21.25	21.08	2	23	
		12	13	21.40	21.29	21.23	21.16	21.02	2	23	
25		0	21.28	21.29	21.32	21.19	21.07	2	23		
64QAM		1	0	21.25	21.26	21.16	21.09	21.07	2	23	
		1	12	21.34	21.17	21.12	21.11	21.13	2	23	
		1	24	21.08	21.11	21.05	21.16	21.05	2	23	
		12	0	20.35	20.32	20.34	20.18	20.09	3	22	
		12	6	20.42	20.19	20.25	20.22	20.04	3	22	
		12	13	20.37	20.15	20.27	20.21	20.15	3	22	
25		0	20.30	20.28	20.28	20.23	20.10	3	22		

LTE Band 66 (Ant4)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)	
				Channel	13207.2	13232			13272
				Frequency (MHz)	1726	1746	1776		
20M	QPSK	1	0	23.39	23.50	23.48	0	25	
		1	50	23.63	23.60	23.45	0	25	
		1	99	23.60	23.45	23.43	0	25	
		50	0	22.58	22.65	22.51	1	24	
		50	25	22.64	22.63	22.52	1	24	
		50	50	22.81	22.66	22.56	1	24	
	100	0	22.67	22.64	22.50	1	24		
	16QAM	1	0	22.68	22.66	22.60	1	24	
		1	50	22.80	22.82	22.69	1	24	
		1	99	22.87	22.77	22.72	1	24	
		50	0	21.72	21.62	21.50	2	23	
		50	25	21.63	21.66	21.57	2	23	
		50	50	21.78	21.64	21.56	2	23	
	100	0	21.64	21.67	21.48	2	23		
	64QAM	1	0	21.60	21.59	21.45	2	23	
		1	50	21.75	21.70	21.65	2	23	
		1	99	21.72	21.64	21.68	2	23	
		50	0	20.71	20.68	20.68	3	22	
		50	25	20.79	20.81	20.67	3	22	
		50	50	20.84	20.80	20.65	3	22	
	100	0	20.80	20.83	20.73	3	22		
	15M	QPSK	1	0	23.28	23.39	23.26	0	25
			1	37	23.60	23.50	23.34	0	25
			1	74	23.45	23.31	23.32	0	25
36			0	22.44	22.59	22.38	1	24	
36			19	22.63	22.54	22.49	1	24	
36			39	22.70	22.61	22.48	1	24	
75		0	22.53	22.53	22.48	1	24		
16QAM		1	0	22.64	22.77	22.57	1	24	
		1	37	22.79	22.79	22.55	1	24	
		1	74	22.85	22.64	22.61	1	24	
		36	0	21.68	21.59	21.47	2	23	
		36	19	21.53	21.51	21.47	2	23	
		36	39	21.64	21.55	21.48	2	23	
75		0	21.55	21.56	21.45	2	23		
64QAM		1	0	21.68	21.68	21.40	2	23	
		1	37	21.74	21.64	21.65	2	23	
		1	74	21.58	21.52	21.67	2	23	
		36	0	20.61	20.74	20.55	3	22	
		36	19	20.78	20.71	20.53	3	22	
		36	39	20.85	20.69	20.55	3	22	
75		0	20.75	20.61	20.58	3	22		
10M		QPSK	1	0	23.25	23.40	23.20	0	25
			1	24	23.53	23.45	23.35	0	25
			1	49	23.51	23.32	23.41	0	25
	25		0	22.51	22.50	22.43	1	24	
	25		12	22.60	22.60	22.51	1	24	
	25		26	22.59	22.51	22.45	1	24	
	50	0	22.66	22.50	22.46	1	24		
	16QAM	1	0	22.67	22.71	22.46	1	24	
		1	24	22.70	22.78	22.59	1	24	
		1	49	22.72	22.67	22.65	1	24	
		25							

LTE_Ants Default Power

LTE Band 42 FCC Part70 (Ant5)										
BW	MCS Index	RB Size					SPP	MPR	Max. Ture-up (dB)	
		RB Size	RB Offset	Low	Mid	High				
20M	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	22.32	22.25	22.27	0	24		
		1	50	22.42	22.34	22.47	0	24		
		1	99	22.19	22.26	22.23	0	24		
		50	0	21.42	21.48	21.52	1	23		
		50	25	21.41	21.45	21.35	1	23		
		50	50	21.29	21.33	21.41	1	23		
		100	0	21.41	21.34	21.48	1	23		
		1	0	21.36	21.38	21.25	1	23		
16QAM	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	21.48	21.40	21.60	1	23		
		1	99	21.18	21.22	21.38	1	23		
		50	0	20.44	20.21	20.27	2	22		
		50	25	20.40	20.34	20.36	2	22		
		50	50	20.42	20.40	20.28	2	22		
		100	0	20.24	20.22	20.32	2	22		
		1	0	20.41	20.29	20.24	2	22		
		1	50	20.31	20.28	20.41	2	22		
64QAM	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	20.20	20.42	20.34	2	22		
		1	99	20.20	20.42	20.34	2	22		
		50	0	19.31	19.36	19.25	3	21		
		50	25	19.15	19.24	19.21	3	21		
		50	50	19.46	19.27	19.23	3	21		
		100	0	19.28	19.21	19.35	3	21		
		1	0	19.46	19.27	19.23	3	21		
		1	99	19.28	19.21	19.35	3	21		

LTE Band 42 FCC Part96 (Ant5)										
BW	MCS Index	RB Size					SPP	MPR	Max. Ture-up (dB)	
		RB Size	RB Offset	Low	Mid	High				
20M	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	22.39	22.34	22.46	0	24		
		1	50	22.33	22.44	22.55	0	24		
		1	99	22.29	22.39	22.32	0	24		
		50	0	21.62	21.61	21.60	1	23		
		50	25	21.52	21.49	21.52	1	23		
		50	50	21.37	21.34	21.49	1	23		
		100	0	21.48	21.54	21.46	1	23		
		1	0	21.46	21.54	21.45	1	23		
16QAM	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	21.46	21.43	21.37	1	23		
		1	99	21.41	21.37	21.60	1	23		
		50	0	20.30	20.46	20.25	2	22		
		50	25	20.39	20.31	20.46	2	22		
		50	50	20.45	20.34	20.31	2	22		
		100	0	20.40	20.31	20.37	2	22		
		1	0	20.16	20.30	20.30	2	22		
		1	50	20.31	20.19	20.22	2	22		
64QAM	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	20.11	20.31	20.46	2	22		
		1	99	20.11	20.31	20.46	2	22		
		50	0	19.33	19.24	19.27	3	21		
		50	25	19.44	19.45	19.35	3	21		
		50	50	19.38	19.40	19.34	3	21		
		100	0	19.45	19.39	19.43	3	21		
		1	0	19.45	19.39	19.43	3	21		
		1	99	19.31	19.31	19.46	2	22		

LTE Band 48 for SAR (Ant5)										
BW	MCS Index	RB Size					SPP	MPR	Max. Ture-up (dB)	
		RB Size	RB Offset	Low	Mid	High				
20M	QPSK	Channel	5530	5582	5634	5686	5738	5790	5842	5894
		Frequency (MHz)	3668	3668	3668	3668	3668	3668	3668	3668
		1	0	22.40	22.33	22.27	22.30	0	24	
		1	50	22.48	22.35	22.27	22.41	0	24	
		1	99	22.38	22.27	22.30	22.28	0	24	
		50	0	21.63	21.37	21.39	21.42	1	23	
		50	25	21.43	21.28	21.29	21.28	1	23	
		50	50	21.51	21.33	21.28	21.28	1	23	
		100	0	21.42	21.34	21.28	21.39	1	23	
		1	0	21.42	21.28	21.34	21.29	1	23	
16QAM	QPSK	Channel	5530	5582	5634	5686	5738	5790	5842	5894
		Frequency (MHz)	3668	3668	3668	3668	3668	3668	3668	3668
		1	0	21.31	21.29	21.43	21.26	1	23	
		1	99	21.43	21.29	21.27	21.39	1	23	
		50	0	20.64	20.43	20.21	20.36	2	22	
		50	25	20.38	20.34	20.35	20.29	2	22	
		50	50	20.47	20.36	20.30	20.19	2	22	
		100	0	20.23	20.40	20.25	20.24	2	22	
		1	0	20.40	20.44	20.30	20.20	2	22	
		1	50	20.29	20.46	20.30	20.33	2	22	
64QAM	QPSK	Channel	5530	5582	5634	5686	5738	5790	5842	5894
		Frequency (MHz)	3668	3668	3668	3668	3668	3668	3668	3668
		1	0	20.31	20.34	20.40	20.24	2	22	
		1	99	20.31	20.34	20.40	20.24	2	22	
		50	0	19.31	19.33	19.31	19.41	3	21	
		50	25	19.28	19.28	19.31	19.43	3	21	
		50	50	19.46	19.45	19.36	19.28	3	21	
		100	0	19.25	19.33	19.23	19.35	3	21	
		1	0	19.25	19.33	19.23	19.35	3	21	
		1	99	19.31	19.34	19.40	19.24	2	22	

LTE Band 42 FCC Part70 (Ant5)										
BW	MCS Index	RB Size					SPP	MPR	Max. Ture-up (dB)	
		RB Size	RB Offset	Low	Mid	High				
20M	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	22.27	22.14	22.14	0	24		
		1	37	22.35	22.30	22.41	0	24		
		1	74	22.09	22.14	22.18	0	24		
		36	0	21.47	21.41	21.41	1	23		
		36	19	21.32	21.30	21.34	1	23		
		36	39	21.23	21.23	21.30	1	23		
		75	0	21.29	21.28	21.35	1	23		
		1	0	21.22	21.31	21.18	1	23		
16QAM	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	21.44	21.39	21.45	1	23		
		1	37	21.74	21.13	21.16	21.11	1	23	
		1	74	21.13	21.16	21.11	21.11	1	23	
		36	0	20.39	20.38	20.32	2	22		
		36	19	20.29	20.20	20.34	2	22		
		36	39	20.41	20.39	20.36	2	22		
		75	0	20.09	20.09	20.30	2	22		
		1	0	20.28	20.21	20.26	2	22		
64QAM	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	20.24	20.25	20.33	2	22		
		1	37	20.24	20.25	20.33	2	22		
		1	74	20.06	20.28	20.28	2	22		
		36	0	19.26	19.26	19.21	3	21		
		36	19	19.14	19.23	19.11	3	21		
		36	39	19.34	19.24	19.10	3	21		
		75	0	19.19	19.08	19.32	3	21		
		1	0	19.18	19.08	19.32	3	21		

LTE Band 42 FCC Part96 (Ant5)										
BW	MCS Index	RB Size					SPP	MPR	Max. Ture-up (dB)	
		RB Size	RB Offset	Low	Mid	High				
20M	QPSK	Channel	4190	4288	4386	4484	4582	4680	4778	4876
		Frequency (MHz)	2466	2564	2662	2760	2858	2956	3054	3152
		1	0	22.36	22.24	22.26	0	24		
		1	24	22.29	22.31	22.40	0	24		
		1	49	22.24	22.24	22.26	0	24		
		25	0	21.39	21.48	21.54	1	23		
		25	12	21.44	21.37	21.37	1	23		
		25	25	21.22	21.31	21.47	1	23		
		50	0	21.43	21.40	21.34	1	23		
		1	0	21.34	21.53	21.38	1	23		

Intra Band CA Default Power

CA_7C Ant1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.10	25
				16QAM	1	99	1	0	22.62	24
				64QAM	1	99	1	0	21.14	23
21001	2528.1	21199	2544.9	QPSK	1	99	1	0	23.24	25
				16QAM	1	99	1	0	22.58	24
				64QAM	1	99	1	0	21.19	23
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.15	25
				16QAM	1	99	1	0	22.54	24
				64QAM	1	99	1	0	21.07	23
Combination 20MHz+15MHz (100RB+75RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21021	2527.1	QPSK	1	99	1	0	23.10	25
				16QAM	1	99	1	0	22.58	24
				64QAM	1	99	1	0	21.12	23
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	23.05	25
				16QAM	1	99	1	0	22.49	24
				64QAM	1	99	1	0	21.13	23
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	23.07	25
				16QAM	1	99	1	0	22.45	24
				64QAM	1	99	1	0	21.09	23
Combination 15MHz+20MHz (75RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	23.20	25
				16QAM	1	74	1	0	22.47	24
				64QAM	1	74	1	0	21.13	23
21003	2528.3	21174	2542.4	QPSK	1	74	1	0	23.17	25
				16QAM	1	74	1	0	22.41	24
				64QAM	1	74	1	0	21.12	23
21179	2542.9	21350	2560	QPSK	1	74	1	0	23.12	25
				16QAM	1	74	1	0	22.45	24
				64QAM	1	74	1	0	21.06	23
Combination 20MHz+10MHz (100RB+50RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	20994	2524.4	QPSK	1	99	1	0	23.12	25
				16QAM	1	99	1	0	22.34	24
				64QAM	1	99	1	0	21.08	23
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	23.08	25
				16QAM	1	99	1	0	22.47	24
				64QAM	1	99	1	0	21.10	23
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	23.13	25
				16QAM	1	99	1	0	22.29	24
				64QAM	1	99	1	0	21.14	23
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	23.09	25
				16QAM	1	49	1	0	22.55	24
				64QAM	1	49	1	0	21.04	23
21006	2528.6	21150	2540	QPSK	1	49	1	0	23.18	25
				16QAM	1	49	1	0	22.46	24
				64QAM	1	49	1	0	21.12	23
21206	21206	21350	21220.4	QPSK	1	49	1	0	23.15	25
				16QAM	1	49	1	0	22.50	24
				64QAM	1	49	1	0	21.05	23
Combination 15MHz+15MHz (75RB+75RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	23.12	25
				16QAM	1	74	1	0	22.61	24
				64QAM	1	74	1	0	21.13	23
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	23.05	25
				16QAM	1	74	1	0	22.55	24
				64QAM	1	74	1	0	21.18	23
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	23.22	25
				16QAM	1	74	1	0	22.48	24
				64QAM	1	74	1	0	21.17	23
Combination 15MHz+10MHz (75RB+50RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	23.09	25
				16QAM	1	74	1	0	22.51	24
				64QAM	1	74	1	0	21.07	23
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	23.05	25
				16QAM	1	74	1	0	22.44	24
				64QAM	1	74	1	0	21.17	23
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	23.11	25
				16QAM	1	74	1	0	22.42	24
				64QAM	1	74	1	0	21.05	23

CA_7C Ant4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.35	24.5
				16QAM	1	99	1	0	22.41	23.5
				64QAM	1	99	1	0	20.83	22.5
21001	2528.1	21199	2544.9	QPSK	1	99	1	0	23.46	24.5
				16QAM	1	99	1	0	22.54	23.5
				64QAM	1	99	1	0	20.78	22.5
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.29	24.5
				16QAM	1	99	1	0	22.16	23.5
				64QAM	1	99	1	0	20.71	22.5
Combination 20MHz+15MHz (100RB+75RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21021	2527.1	QPSK	1	99	1	0	23.31	24.5
				16QAM	1	99	1	0	22.38	23.5
				64QAM	1	99	1	0	20.77	22.5
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	23.45	24.5
				16QAM	1	99	1	0	22.41	23.5
				64QAM	1	99	1	0	20.64	22.5
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	23.19	24.5
				16QAM	1	99	1	0	22.06	23.5
				64QAM	1	99	1	0	20.57	22.5
Combination 15MHz+20MHz (75RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	23.21	24.5
				16QAM	1	74	1	0	22.37	23.5
				64QAM	1	74	1	0	20.75	22.5
21003	2528.3	21174	2542.4	QPSK	1	74	1	0	23.32	24.5
				16QAM	1	74	1	0	22.47	23.5
				64QAM	1	74	1	0	20.88	22.5
21179	2542.9	21350	2560	QPSK	1	74	1	0	23.15	24.5
				16QAM	1	74	1	0	22.05	23.5
				64QAM	1	74	1	0	20.55	22.5
Combination 20MHz+10MHz (100RB+50RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	20994	2524.4	QPSK	1	99	1	0	23.20	24.5
				16QAM	1	99	1	0	22.30	23.5
				64QAM	1	99	1	0	20.79	22.5
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	23.42	24.5
				16QAM	1	99	1	0	22.51	23.5
				64QAM	1	99	1	0	20.77	22.5
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	23.20	24.5
				16QAM	1	99	1	0	22.14	23.5
				64QAM	1	99	1	0	20.56	22.5
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	23.24	24.5
				16QAM	1	49	1	0	22.69	23.5
				64QAM	1	49	1	0	20.89	22.5
21006	2528.6	21150	2540	QPSK	1	49	1	0	23.40	24.5
				16QAM	1	49	1	0	22.51	23.5
				64QAM	1	49	1	0	20.88	22.5
21206	21206	21350	21220.4	QPSK	1	49	1	0	23.15	24.5
				16QAM	1	49	1	0	22.12	23.5
				64QAM	1	49	1	0	20.59	22.5
Combination 15MHz+15MHz (75RB+75RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	23.28	24.5
				16QAM	1	74	1	0	22.33	23.5
				64QAM	1	74	1	0	20.73	22.5
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	23.39	24.5
				16QAM	1	74	1	0	22.40	23.5
				64QAM	1	74	1	0	20.63	22.5

GSM&WCDMA_Ant1 DS11 Power

Band	GSM850				GSM1900			
	Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810
Frequency (MHz)	824.2	836.4	848.8			1850.2	1880	1909.8
GSM	32.84	32.88	32.70	33.50	29.80	29.76	29.71	30.50
GPRS 1Tx Slot	32.81	32.86	32.63	33.50	29.90	29.89	29.78	30.50
GPRS 2Tx Slot	30.61	30.65	30.43	31.00	27.44	27.47	27.43	28.00
GPRS 3Tx Slot	28.78	28.85	28.68	29.50	25.82	25.88	25.93	26.50
GPRS 4Tx Slot	26.81	26.88	26.73	27.50	24.08	24.27	24.43	25.00
EDGE 1Tx Slot	26.28	26.33	26.32	28.00	25.54	25.37	25.21	26.50
EDGE 2Tx Slot	23.94	24.00	23.92	25.50	23.21	22.94	22.89	24.00
EDGE 3Tx Slot	22.17	22.25	22.15	24.00	21.26	21.10	21.06	22.50
EDGE 4Tx Slot	20.72	20.81	20.76	22.50	19.73	19.69	19.45	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	23.84	23.88	23.70	24.50	20.80	20.76	20.71	21.50	
GPRS 1Tx Slot	23.81	23.86	23.63	24.50	20.90	20.89	20.78	21.50	
GPRS 2Tx Slot	24.61	24.65	24.43	25.00	21.44	21.47	21.43	22.00	
GPRS 3Tx Slot	24.52	24.59	24.42	25.24	21.56	21.62	21.67	22.24	
GPRS 4Tx Slot	23.81	23.88	23.73	24.50	21.08	21.27	21.43	22.00	
EDGE 1Tx Slot	17.28	17.33	17.32	19.00	16.54	16.37	16.21	17.50	
EDGE 2Tx Slot	17.94	18.00	17.92	19.50	17.21	16.94	16.89	18.00	
EDGE 3Tx Slot	17.91	17.99	17.89	19.74	17.00	16.84	16.80	18.24	
EDGE 4Tx Slot	17.72	17.81	17.76	19.50	16.73	16.69	16.45	18.00	

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
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	23.93	24.04	23.96	25.00	23.78	24.04	23.80	25.00	23.75	23.70	23.82	25.00
HSDPA Subtest-1	22.14	22.32	22.16	24.00	22.24	22.56	22.22	24.00	22.12	22.43	22.33	24.00
HSDPA Subtest-2	22.32	22.37	22.07	24.00	22.42	22.43	22.06	24.00	22.35	22.42	22.15	24.00
HSDPA Subtest-3	21.68	21.72	21.82	23.50	21.79	21.90	21.94	23.50	21.75	21.77	21.93	23.50
HSDPA Subtest-4	21.78	21.61	21.99	23.50	21.74	21.66	22.08	23.50	21.70	21.73	22.01	23.50
DC-HSDPA Subtest-1	22.24	22.15	22.28	24.00	22.33	22.08	22.48	24.00	22.39	22.07	22.35	24.00
DC-HSDPA Subtest-2	22.09	22.34	22.29	24.00	22.16	22.31	22.37	24.00	22.17	22.31	22.37	24.00
DC-HSDPA Subtest-3	21.59	21.70	21.69	23.50	21.64	21.79	21.71	23.50	21.61	21.82	21.78	23.50
DC-HSDPA Subtest-4	21.61	21.87	21.78	23.50	21.78	21.89	21.67	23.50	21.76	21.75	21.87	23.50
HSUPA Subtest-1	20.71	20.52	20.85	22.00	20.77	20.58	20.75	22.00	20.70	20.62	20.75	22.00
HSUPA Subtest-2	20.77	20.39	20.77	22.00	20.70	20.53	20.75	22.00	20.75	20.61	20.84	22.00
HSUPA Subtest-3	21.11	21.06	21.37	23.00	21.23	21.12	21.55	23.00	21.12	21.13	21.37	23.00
HSUPA Subtest-4	19.71	20.03	20.15	21.50	19.87	19.99	20.04	21.50	19.75	19.96	20.08	21.50
HSUPA Subtest-5	21.33	21.29	21.52	23.00	21.33	21.26	21.38	23.00	21.28	21.37	21.36	23.00

GSM&WCDMA_Ant4 DS11 Power

Band	GSM850				GSM1900			
	Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810
Frequency (MHz)	824.2	836.4	848.8			1850.2	1880	1909.8
GSM	31.93	32.05	31.96	33.50	23.17	23.15	23.16	24.50
GPRS 1Tx Slot	31.90	32.08	31.80	33.50	23.09	23.12	23.14	24.50
GPRS 2Tx Slot	29.66	29.88	29.61	31.00	20.58	20.68	20.83	22.00
GPRS 3Tx Slot	27.86	28.02	27.96	29.50	19.10	19.15	19.26	20.50
GPRS 4Tx Slot	25.89	26.04	25.97	27.50	17.40	17.54	17.84	19.00
EDGE 1Tx Slot	26.14	26.09	26.16	28.00	19.28	18.98	18.80	20.50
EDGE 2Tx Slot	23.86	23.83	23.77	25.50	16.89	16.70	16.51	18.00
EDGE 3Tx Slot	22.31	22.14	22.28	24.00	14.90	14.75	14.76	16.50
EDGE 4Tx Slot	20.82	20.58	20.76	22.50	14.06	13.83	13.98	15.00

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	22.93	23.05	22.96	24.50	14.17	14.15	14.16	15.50	
GPRS 1Tx Slot	22.90	23.08	22.80	24.50	14.09	14.12	14.14	15.50	
GPRS 2Tx Slot	23.66	23.88	23.61	25.00	14.58	14.68	14.83	16.00	
GPRS 3Tx Slot	23.60	23.76	23.70	25.24	14.84	14.89	15.00	16.24	
GPRS 4Tx Slot	22.89	23.04	22.97	24.50	14.40	14.54	14.84	16.00	
EDGE 1Tx Slot	17.14	17.09	17.16	19.00	10.28	9.98	9.80	11.50	
EDGE 2Tx Slot	17.86	17.83	17.77	19.50	10.89	10.70	10.51	12.00	
EDGE 3Tx Slot	18.05	17.88	18.02	19.74	10.64	10.49	10.50	12.24	
EDGE 4Tx Slot	17.82	17.58	17.76	19.50	11.06	10.83	10.98	12.00	

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
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	15.16	15.28	15.07	16.50	17.58	17.74	17.62	19.00	22.25	22.14	22.33	24.00
HSDPA Subtest-1	14.23	14.28	14.05	15.50	16.74	16.74	16.59	18.00	21.48	21.39	21.05	23.00
HSDPA Subtest-2	14.23	14.17	14.03	15.50	16.81	16.64	16.47	18.00	21.20	21.20	21.21	23.00
HSDPA Subtest-3	13.65	13.59	13.50	15.00	16.41	16.23	16.17	17.50	20.69	20.75	20.53	22.50
HSDPA Subtest-4	13.65	13.56	13.53	15.00	16.18	16.22	15.88	17.50	20.78	20.74	20.57	22.50
DC-HSDPA Subtest-1	14.13	14.20	13.98	15.50	16.85	16.72	16.46	18.00	21.42	21.29	21.09	23.00
DC-HSDPA Subtest-2	14.18	14.00	14.14	15.50	16.72	16.68	16.58	18.00	21.35	21.13	21.19	23.00
DC-HSDPA Subtest-3	13.79	13.47	13.50	15.00	16.42	16.13	16.13	17.50	20.74	20.80	20.68	22.50
DC-HSDPA Subtest-4	13.82	13.73	13.80	15.00	16.29	15.99	15.88	17.50	20.88	20.59	20.61	22.50
HSUPA Subtest-1	12.71	12.55	12.56	13.50	15.29	15.25	14.81	16.00	19.82	19.65	19.45	21.00
HSUPA Subtest-2	12.67	12.43	12.37	13.50	15.16	15.13	14.82	16.00	19.68	19.55	19.46	21.00
HSUPA Subtest-3	13.09	12.89	13.06	14.50	15.53	15.53	15.43	17.00	20.22	20.19	20.14	22.00
HSUPA Subtest-4	11.72	11.83	11.58	13.00	14.26	14.26	14.11	15.50	18.75	18.82	18.67	20.50
HSUPA Subtest-5	13.28	13.11	13.01	14.50	15.92	15.70	15.62	17.00	20.33	20.27	20.25	22.00

LTE_Ant1 DS1 Power

		LTE Band 2 (Ant1)						
BW	Modulation	RB Size Channel	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
			1870	1890	1910	1930		
		Frequency (MHz)	1860	1880	1900	1920		
20M	QPSK	1	0	23.86	24.16	24.10	25	
		1	50	24.09	24.30	24.10	25	
		1	99	24.04	24.17	24.12	25	
		50	0	23.17	23.25	23.24	24	
		50	25	23.27	23.33	23.28	24	
		50	50	23.23	23.27	23.10	24	
	100	0	23.11	23.32	23.23	24		
	16QAM	1	0	23.11	23.36	23.32	24	
		1	50	23.36	23.54	23.35	24	
		1	99	23.36	23.45	23.46	24	
		50	0	22.98	22.27	22.16	23	
		50	25	22.14	22.25	22.15	23	
50		50	22.16	22.36	22.17	23		
64QAM	1	0	22.00	22.29	22.31	23		
	1	50	22.15	22.36	22.27	23		
	1	99	22.26	22.39	22.22	23		
	50	0	21.27	21.40	21.34	22		
	50	25	21.36	21.47	21.30	22		
	50	50	21.44	21.49	21.31	22		
15M	QPSK	1	0	23.86	24.04	23.98	25	
		1	37	24.00	24.26	24.04	25	
		1	74	23.99	24.02	23.97	25	
		36	0	23.09	23.24	23.24	24	
		36	39	23.21	23.19	23.24	24	
		36	75	23.09	23.16	22.96	24	
	16QAM	1	0	23.02	23.30	23.25	24	
		1	37	23.08	23.47	23.28	24	
		1	74	23.33	23.35	23.33	24	
		36	0	21.91	22.21	22.03	23	
		36	19	22.02	22.11	22.08	23	
		36	39	22.15	22.24	22.09	23	
64QAM	1	0	21.85	22.24	22.22	23		
	1	37	22.06	22.30	22.18	23		
	1	74	22.23	22.31	22.09	23		
	36	0	21.24	21.32	21.29	22		
	36	19	21.35	21.43	21.29	22		
	36	39	21.39	21.34	21.19	22		
10M	QPSK	1	0	23.86	24.04	23.98	25	
		1	24	23.98	24.25	24.10	25	
		1	49	23.91	24.03	23.97	25	
		25	0	23.13	23.12	23.23	24	
		25	12	23.18	23.24	23.14	24	
		25	25	23.15	23.15	23.14	24	
	16QAM	1	0	22.98	23.26	23.23	24	
		1	24	23.30	23.40	23.25	24	
		1	49	23.23	23.43	23.40	24	
		25	0	21.81	22.24	22.09	23	
		25	12	22.05	22.19	21.98	23	
		25	25	22.13	22.23	22.02	23	
64QAM	1	0	21.67	22.25	22.24	23		
	1	24	22.08	22.21	22.18	23		
	1	49	22.24	22.24	22.19	23		
	25	0	21.25	21.28	21.26	22		
	25	12	21.33	21.35	21.25	22		
	25	25	21.42	21.36	21.28	22		
5M	QPSK	1	0	23.84	24.04	24.09	25	
		1	12	23.98	24.19	24.09	25	
		1	24	23.91	24.09	23.99	25	
		12	0	23.14	23.24	23.24	24	
		12	6	23.26	23.28	23.14	24	
		12	13	23.15	23.13	23.00	24	
	16QAM	1	0	22.99	23.29	23.15	24	
		1	6	23.04	23.33	23.22	24	
		1	12	23.04	23.45	23.28	24	
		1	24	23.22	23.31	23.34	24	
		12	0	21.85	22.24	22.06	23	
		12	6	22.13	22.15	22.05	23	
64QAM	1	0	21.92	22.27	22.29	23		
	1	12	22.08	22.25	22.23	23		
	1	24	22.18	22.33	22.14	23		
	12	0	21.20	21.36	21.25	22		
	12	6	21.30	21.33	21.29	22		
	12	13	21.37	21.40	21.17	22		
3M	QPSK	1	0	23.91	24.14	24.09	25	
		1	7	23.94	24.23	24.12	25	
		1	14	24.03	24.14	24.09	25	
		8	0	23.06	23.13	23.09	24	
		8	3	23.14	23.31	23.20	24	
		8	7	23.09	23.16	23.06	24	
	16QAM	1	0	23.04	23.21	23.28	24	
		1	7	23.25	23.47	23.20	24	
		1	14	23.28	23.42	23.40	24	
		8	0	21.83	22.09	22.09	23	
		8	3	22.05	22.23	21.99	23	
		8	7	22.13	22.34	22.07	23	
64QAM	1	0	22.01	22.14	21.99	23		
	1	7	22.02	22.27	22.17	23		
	1	14	22.22	22.37	22.08	23		
	8	0	21.22	21.27	21.30	22		
	8	3	21.34	21.44	21.16	22		
	8	7	21.40	21.38	21.29	22		
1.4M	QPSK	1	0	23.83	24.12	23.95	25	
		1	2	23.95	24.16	24.02	25	
		1	5	23.97	24.14	24.11	25	
		3	0	23.89	23.98	24.02	25	
		3	1	23.95	24.03	24.01	25	
		3	3	23.95	23.92	23.86	25	
	16QAM	1	0	23.09	23.28	23.22	24	
		1	1	22.98	23.28	23.26	24	
		1	2	23.32	23.42	23.33	24	
		1	5	23.33	23.36	23.35	24	
		3	0	22.67	22.06	22.86	24	
		3	1	22.83	23.09	22.84	24	
64QAM	1	0	22.84	22.96	22.96	24		
	1	1	22.00	22.13	21.98	23		
	1	2	21.97	22.28	22.18	23		
	1	5	22.24	22.30	22.19	23		
	3	0	21.98	22.10	22.10	23		
	3	1	22.06	22.21	21.95	23		

		LTE Band 4 (Ant1)						
BW	Modulation	RB Size Channel	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
			2050	2070	2090			
		Frequency (MHz)	1720	1721.5	1740			
20M	QPSK	1	0	23.97	24.17	24.18	25	
		1	50	24.07	24.26	24.27	25	
		1	99	24.23	24.36	24.17	25	
		50	0	23.13	23.37	23.32	24	
		50	25	23.24	23.29	23.27	24	
		50	50	23.43	23.52	23.37	24	
	16QAM	1	0	23.22	23.29	23.32	24	
		1	50	23.45	23.62	23.61	24	
		1	99	23.51	23.46	23.28	24	
		50	0	22.28	22.25	22.23	23	
		50	25	22.33	22.25	22.31	23	
		50	50	22.26	22.35	22.31	23	
64QAM	1	0	22.20	22.25	22.31	23		
	1	0	22.25	22.13	22.41	23		
	1	50	22.28	22.54	22.51	23		
	1	99	22.44	22.32	22.17	23		
	50	0	21.39	21.38	21.43	22		
	50	25	21.44	21.51	21.51	22		
15M	QPSK	1	0	23.79	24.03	24.06	25	
		1	37	24.21	24.24	24.13	25	
		1	74	24.21	24.15	24.06	25	
		36	0	23.29	23.29	23.34	24	
		36	19	23.17	23.25	23.12	24	
		36	39	23.29	23.51	23.28	24	
	16QAM	1	0	23.16	23.16	23.31	24	
		1	37	23.35	23.56	23.51	24	
		1	74	23.36	23.38	23.26	24	
		36	0	22.15	22.12	22.17	23	
		36	19	22.19	22.12	22.28	23	
		36	39	22.24	22.32	22.27	23	
64QAM	1	0	22.13	22.13	22.32	23		
	1	37	22.17	22.52	22.38	23		
	1	74	22.30	22.21	22.16	23		
	36	0	21.36	21.25	21.40	22		
	36	19	21.39	21.47	21.46	22		
	36	39	21.39	21.43	21.39	22		
10M	QPSK	1	0	23.84	24.06	24.09	25	
		1	24	24.29	24.24	24.16	25	
		1	49	24.16	24.25	24.07	25	
		25	0	23.09	23.24	23.25	24	
		25	12	23.19	23.19	23.23	24	
		25	25	23.40	23.39	23.24	24	
	16QAM	1	0	23.16	23.23	23.24	24	
		1	24	23.41	23.52	23.60	24	
		1	49	23.38	23.40	23.23	24	
		25	0	22.16	22.18	22.22	23	
		25	12	22.28	22.19	22.23	23	
		25	25	22.23	22.33	22.17	23	
64QAM	1	0	22.22	22.06	22.39	23		
	1	24	22.37	22.52	22.51	23		
	1	49	22.31	22.27	22.08	23		
	25	0	21.29	21.25	21.29	22		
	25	12	21.43	21.40	21.36	22		
	25	25	21.34	21.56	21.36	22		
5M	QPSK	1	0	23.86	24.03	24.03	25	
		1	12	24.21	24.33	24.24	25	
		1	24	24.10	24.13	24.10	25	
		12	0	23.15	23.26	23.26	24	
		12	6	23.17	23.27	23.18	24	
		12	13	23.39	23.49	23.28	24	
	16QAM	1	0	23.19	23.28	23.19	24	
		1	12	23.24	23.56	23.51	24	
		1	24	23.45	23.31	23.19	24	
		12	0	22.19	22.19	22.22	23	
		12	6	22.29	22.14	22.29	23	
		12	13	22.11	22.25	22.29	23	
64QAM	1	0	22.08	22.19	22.28	23		
	1	12	22.28	22.39	22.49	23		
	1	24	22.35	22.17	22.12	23		
	12	0	21.25	21.34	21.42	22		
	12	6	21.37					

LTE Band 7 (Ant1)								
BW	Modulation	RB Size	RB Offset	Channel	2090	2100	2130	Max. Tune-up (dBm)
				Frequency (MHz)	2095	2105	2135	
20M	QPSK	50	0	23.96	23.95	23.73	25	
				24.01	23.98	23.77	25	
				23.79	23.71	23.69	25	
				22.94	22.95	22.80	24	
				23.01	23.05	22.83	24	
				22.91	23.02	22.67	24	
		100	0	23.02	23.07	22.67	24	
				23.17	23.14	22.82	24	
				23.23	23.01	22.95	24	
				23.10	22.90	22.85	24	
				21.92	21.90	21.88	23	
				22.94	22.92	22.83	24	
	16QAM	1	0	23.17	23.14	22.82	24	
				23.23	23.01	22.95	24	
				23.10	22.90	22.85	24	
				21.92	21.90	21.88	23	
				22.94	22.92	22.83	24	
				23.02	23.07	22.67	24	
		50	0	23.02	23.07	22.67	24	
				23.17	23.14	22.82	24	
				23.23	23.01	22.95	24	
				23.10	22.90	22.85	24	
				21.92	21.90	21.88	23	
				22.94	22.92	22.83	24	
64QAM	1	0	22.06	22.14	21.91	23		
			22.17	22.12	21.87	23		
			21.98	21.93	21.77	23		
			20.96	20.92	20.74	22		
			20.99	20.96	20.79	22		
			21.05	20.92	20.57	22		
	50	0	21.01	20.94	20.83	22		
			21.06	20.98	20.72	22		
			20.96	20.92	20.58	22		
			21.01	20.98	20.72	22		
			20.96	20.92	20.58	22		
			21.01	20.98	20.72	22		
15M	QPSK	36	0	23.84	23.81	23.59	25	
				23.83	23.98	23.63	25	
				23.77	23.56	23.66	25	
				22.85	22.94	22.79	24	
				23.00	22.98	22.69	24	
				22.89	22.88	22.52	24	
		75	0	22.98	23.03	22.52	24	
				23.07	22.99	22.77	24	
				23.16	22.93	22.85	24	
				23.08	22.85	22.79	24	
				21.80	21.77	21.73	23	
				21.99	21.92	21.64	23	
	16QAM	36	0	23.84	23.81	23.59	25	
				23.83	23.98	23.63	25	
				23.77	23.56	23.66	25	
				22.85	22.94	22.79	24	
				23.00	22.98	22.69	24	
				22.89	22.88	22.52	24	
		75	0	22.98	23.03	22.52	24	
				23.07	22.99	22.77	24	
				23.16	22.93	22.85	24	
				23.08	22.85	22.79	24	
				21.80	21.77	21.73	23	
				21.99	21.92	21.64	23	
64QAM	36	0	23.84	23.81	23.59	25		
			23.83	23.98	23.63	25		
			23.77	23.56	23.66	25		
			22.85	22.94	22.79	24		
			23.00	22.98	22.69	24		
			22.89	22.88	22.52	24		
	75	0	22.98	23.03	22.52	24		
			23.07	22.99	22.77	24		
			23.16	22.93	22.85	24		
			23.08	22.85	22.79	24		
			21.80	21.77	21.73	23		
			21.99	21.92	21.64	23		
10M	QPSK	1	0	22.01	22.07	21.82	23	
				22.03	21.97	21.72	23	
				21.86	21.86	21.75	23	
				21.00	20.83	20.81	22	
				20.86	20.83	20.81	22	
				21.02	20.89	20.42	22	
		36	0	20.96	20.96	20.58	22	
				20.96	20.96	20.58	22	
				20.96	20.96	20.58	22	
				20.96	20.96	20.58	22	
				20.96	20.96	20.58	22	
				20.96	20.96	20.58	22	
	16QAM	1	0	23.87	23.86	23.62	25	
				23.95	23.91	23.71	25	
				23.78	23.57	23.67	25	
				22.87	22.84	22.67	24	
				22.94	22.92	22.77	24	
				22.83	22.96	22.56	24	
		50	0	22.97	23.02	22.58	24	
				23.13	23.10	22.76	24	
				23.10	22.86	22.81	24	
				23.03	22.87	22.79	24	
				21.83	21.81	21.80	23	
				21.91	21.93	21.76	23	
64QAM	1	0	23.13	23.10	22.76	24		
			23.10	22.86	22.81	24		
			23.03	22.87	22.79	24		
			21.83	21.81	21.80	23		
			21.91	21.93	21.76	23		
			22.86	22.86	20.81	22		
	25	0	20.92	20.86	20.81	22		
			20.95	20.84	20.63	22		
			21.01	20.78	20.43	22		
			21.01	20.84	20.69	22		
			20.99	20.92	20.63	22		
			20.99	20.86	20.43	22		
5M	QPSK	1	0	23.91	23.89	23.60	25	
				23.88	23.92	23.75	25	
				23.76	23.61	23.66	25	
				22.80	22.91	22.60	24	
				22.91	22.93	22.72	24	
				22.80	22.87	22.52	24	
		12	0	22.96	22.98	22.56	24	
				23.05	23.13	22.70	24	
				23.17	22.88	22.69	24	
				22.80	22.80	22.81	24	
				21.86	21.81	21.79	23	
				21.83	21.89	21.72	23	
	16QAM	1	0	23.91	23.89	23.60	25	
				23.88	23.92	23.75	25	
				23.76	23.61	23.66	25	
				22.80	22.91	22.60	24	
				22.91	22.93	22.72	24	
				22.80	22.87	22.52	24	
		12	0	22.96	22.98	22.56	24	
				23.05	23.13	22.70	24	
				23.17	22.88	22.69	24	
				22.80	22.80	22.81	24	
				21.86	21.81	21.79	23	
				21.83	21.89	21.72	23	
64QAM	1	0	23.91	23.89	23.60	25		
			23.88	23.92	23.75	25		
			23.76	23.61	23.66	25		
			22.80	22.91	22.60	24		
			22.91	22.93	22.72	24		
			22.80	22.87	22.52	24		
	12	0	22.96	22.98	22.56	24		
			23.05	23.13	22.70	24		
			23.17	22.88	22.69	24		
			22.80	22.80	22.81	24		
			21.86	21.81	21.79	23		
			21.83	21.89	21.72	23		
64QAM	1	0	23.91	23.89	23.60	25		
			23.88	23.92	23.75	25		
			23.76	23.61	23.66	25		
			22.80	22.91	22.60	24		
			22.91	22.93	22.72	24		
			22.80	22.87	22.52	24		
	12	0	22.96	22.98	22.56	24		
			23.05	23.13	22.70	24		
			23.17	22.88	22.69	24		
			22.80	22.80	22.81	24		
			21.86	21.81	21.79	23		
			21.83	21.89	21.72	23		

LTE Band 12 (Ant1)								
BW	Modulation	RB Size	RB Offset	Channel	2300	2305	2310	Max. Tune-up (dBm)
				Frequency (MHz)	2304	2309.5	2315	
10M	QPSK	1	0	24.42	24.45	24.38	25.5	
				24.24	24.44	24.39	25.5	
				24.24	24.44	24.39	25.5	
				24.30	24.31	24.40	25.5	
				23.54	23.45	23.37	24.5	
				23.44	23.42	23.33	24.5	
		25	0	23.54	23.45	23.37	24.5	
				23.44	23.42	23.33	24.5	
				23.51	23.43	23.35	24.5	
				23.57	23.45	23.34	24.5	
				23.74	23.71	23.64	24.5	
				23.69	23.58	23.63	24.5	
	16QAM	1	0	24.24	24.44	24.39	25.5	
				24.24	24.44	24.39	25.5	
				24.30	24.31	24.40	25.5	
				23.54	23.45	23.37	24.5	
				23.44	23.42	23.33	24.5	
				23.51	23.43	23.35	24.5	
		25	0	23.54	23.45	23.37	24.5	
				23.44	23.42	23.33	24.5	
				23.51	23.43	23.35	24.5	
				23.57	23.45	23.34	24.5	
				23.74	23.71	23.64	24.5	
				23.69	23.58	23.63	24.5	
64QAM	1	0	24.24	24.44	24.39	25.5		
			24.24	24.44	24.39	25.5		
			24.30	24.31	24.40	25.5		
			23.54	23.45	23.37	24.5		
			23.44	23.42	23.33	24.5		
			23.51	23.43	23.35	24.5		
	25	0	23.54	23.45	23.37	24.5		
			23.44	23.42	23.33	24.5		
			23.51	23.43	23.35	24.5		
			23.57	23.45	23.34	24.5		
			23.74	23.71	23.64	24.5		
			23.69	23.58	23.63	24.5		
5M	QPSK	1	0	24.42	24.45	24.38	25.5	
				24.24	24.44	24.39	25.5	
				24.24	24.44	24.39	25.5	
				24.30	24.31	24.40	25.5	
				23.54	23.45	23.37	24.5	
				23.44	23.42	23.33	24.5	
		12	0	23.54	23.45	23.37	24.5	
				23.44	23.42	23.33	24.5	
				23.51	23.43	23.35	24.5	
				23.57	23.45	23.34	24.5	
				23.74	23.71	23.64	24.5	
				23.69	23.58	23.63	24.5	
	16QAM	1	0	24.24	24.44	24.39	25.5	
				24.24	24.44	24.39	25.5	
				24.30	24.31	24.40	25.5	
				23.54	23.45	23.37	24.5	
				23.44	23.42	23.33	24.5	
				23.51	23.43	23.35	24.5	
		25	0	23.54	23.45	23.37	24.5	
				23.44	23.42	23.33	24.5	
				23.51	23.43	23.35	24.5	
				23.57	23.45	23.34	24.5	
				23.74	23.71	23.64	24.5	
				23.69	23.58	23.63	24.5	
64QAM	1	0	24.24	24.44	24.39	25.5		
			24.24	24.44	24.39	25.5		
			24.30	24.31	24.40	25.5		
			23.54	23.45	23.37	24.5		
			23.44	23.42	23.33	24.5		
			23.51	23.43	23.35	24.5		
	25	0	23.54	23.45	23.			

LTE Band 17 (Ant1)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	23760	23790	23800	23810	
10M	QPSK	1	0	24.36	24.46	24.41	25.5
		1	24	24.34	24.39	24.32	25.5
		1	48	24.32	24.31	24.40	25.5
		25	0	23.25	23.27	23.27	24.5
		25	12	23.34	23.33	23.25	24.5
		25	25	23.36	23.38	23.29	24.5
		50	0	23.34	23.38	23.32	24.5
		1	0	23.56	23.68	23.67	24.5
		1	24	23.48	23.56	23.60	24.5
		1	48	23.54	23.52	23.66	24.5
	25	0	22.27	22.38	22.29	23.5	
	25	12	22.37	22.38	22.36	23.5	
	25	25	22.40	22.30	22.34	23.5	
	50	0	22.32	22.28	22.33	23.5	
	1	0	22.54	22.55	22.59	23.5	
	1	24	22.50	22.54	22.41	23.5	
	1	48	22.44	22.48	22.58	23.5	
	25	0	21.27	21.30	21.28	22.5	
	25	12	21.41	21.39	21.37	22.5	
	25	25	21.37	21.31	21.25	22.5	
50	0	21.29	21.30	21.28	22.5		
5M	QPSK	1	0	24.33	24.42	24.26	25.5
		1	12	24.27	24.29	24.18	25.5
		1	24	24.30	24.29	24.28	25.5
		12	0	23.16	23.25	23.20	24.5
		12	6	23.32	23.18	23.17	24.5
		12	13	23.30	23.31	23.28	24.5
		25	0	23.21	23.38	23.22	24.5
		1	0	23.46	23.59	23.55	24.5
		1	12	23.44	23.51	23.47	24.5
		1	24	23.39	23.37	23.63	24.5
	12	0	22.25	22.30	22.28	23.5	
	12	6	22.24	22.31	22.21	23.5	
	12	13	22.35	22.29	22.30	23.5	
	25	0	22.18	22.20	22.24	23.5	
	1	0	22.49	22.44	22.48	23.5	
	1	12	22.38	22.51	22.35	23.5	
	1	24	22.33	22.39	22.52	23.5	
	12	0	21.16	21.26	21.14	22.5	
	12	6	21.40	21.37	21.31	22.5	
	12	13	21.27	21.18	21.19	22.5	
25	0	21.22	21.16	21.22	22.5		

LTE Band 26 (Ant1)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	26765	26865	26965	26975	
15M	QPSK	1	0	24.58	24.57	24.55	25.5
		1	37	24.63	24.67	24.64	25.5
		1	74	24.54	24.62	24.53	25.5
		36	0	23.52	23.61	23.59	24.5
		36	19	23.48	23.55	23.57	24.5
		36	36	23.49	23.49	23.52	24.5
		75	0	23.57	23.60	23.55	24.5
		1	0	23.83	23.73	23.77	24.5
		1	37	23.86	23.82	23.84	24.5
		1	74	23.88	23.76	23.69	24.5
	36	0	22.55	22.57	22.60	23.5	
	36	19	22.63	22.55	22.61	23.5	
	36	36	22.61	22.62	22.52	23.5	
	75	0	22.56	22.53	22.54	23.5	
	1	0	22.70	22.65	22.71	23.5	
	1	37	22.78	22.76	22.77	23.5	
	1	74	22.84	22.71	22.63	23.5	
	36	19	21.62	21.57	21.60	22.5	
	36	36	21.61	21.53	21.49	22.5	
	75	0	21.53	21.52	21.54	22.5	
10M	QPSK	1	0	24.45	24.55	24.47	25.5
		1	24	24.55	24.55	24.55	25.5
		1	48	24.48	24.55	24.47	25.5
		25	0	23.49	23.49	23.47	24.5
		25	12	23.37	23.54	23.43	24.5
		25	25	23.48	23.57	23.46	24.5
		50	0	23.50	23.52	23.41	24.5
		1	0	23.68	23.64	23.72	24.5
		1	24	23.76	23.67	23.77	24.5
		1	48	23.84	23.74	23.66	24.5
	25	0	22.54	22.50	22.46	23.5	
	25	12	22.62	22.49	22.58	23.5	
	25	25	22.59	22.41	22.41	23.5	
	50	0	22.47	22.48	22.40	23.5	
	1	0	22.67	22.59	22.65	23.5	
	1	24	22.72	22.62	22.73	23.5	
	1	48	22.52	22.70	22.58	23.5	
	25	0	21.40	21.54	21.44	22.5	
	25	12	21.53	21.45	21.45	22.5	
	25	25	21.57	21.38	21.38	22.5	
50	0	21.47	21.45	21.52	22.5		
5M	QPSK	1	0	24.54	24.54	24.53	25.5
		1	12	24.54	24.54	24.59	25.5
		1	24	24.43	24.53	24.52	25.5
		12	0	23.48	23.56	23.54	24.5
		12	6	23.47	23.52	23.51	24.5
		12	13	23.47	23.53	23.42	24.5
		25	0	23.48	23.51	23.42	24.5
		1	0	23.73	23.63	23.69	24.5
		1	12	23.78	23.69	23.69	24.5
		1	24	23.87	23.62	23.60	24.5
	12	0	22.42	22.52	22.56	23.5	
	12	6	22.58	22.53	22.48	23.5	
	12	13	22.51	22.37	22.41	23.5	
	25	0	22.50	22.38	22.46	23.5	
	1	0	22.51	22.56	22.56	23.5	
	1	12	22.73	22.65	22.73	23.5	
	1	24	22.53	22.56	22.51	23.5	
	12	0	21.40	21.50	21.44	22.5	
	12	6	21.55	21.51	21.56	22.5	
	12	13	21.55	21.41	21.47	22.5	
25	0	21.46	21.48	21.46	22.5		
3M	QPSK	1	0	24.55	24.42	24.42	25.5
		1	7	24.59	24.59	24.54	25.5
		1	14	24.38	24.56	24.43	25.5
		8	0	23.50	23.51	23.57	24.5
		8	3	23.45	23.42	23.50	24.5
		8	7	23.47	23.43	23.49	24.5
		15	0	23.53	23.50	23.50	24.5
		1	0	23.74	23.71	23.68	24.5
		1	7	23.81	23.71	23.70	24.5
		1	14	23.78	23.72	23.60	24.5
	8	0	22.40	22.44	22.46	23.5	
	8	3	22.51	22.51	22.52	23.5	
	8	7	22.52	22.47	22.46	23.5	
	15	0	22.49	22.52	22.45	23.5	
	1	0	22.57	22.50	22.62	23.5	
	1	7	22.72	22.68	22.72	23.5	
	1	14	22.60	22.56	22.53	23.5	
	8	0	21.48	21.42	21.50	22.5	
	8	3	21.59	21.47	21.47	22.5	
	8	7	21.53	21.51	21.39	22.5	
15	0	21.43	21.48	21.52	22.5		
1.4M	QPSK	1	0	24.48	24.52	24.53	25.5
		1	2	24.60	24.61	24.55	25.5
		1	5	24.41	24.47	24.50	25.5
		3	0	24.19	24.37	24.34	25.5
		3	1	24.26	24.31	24.29	25.5
		3	3	24.19	24.34	24.19	25.5
		6	0	23.49	23.51	23.45	24.5
		1	0	23.81	23.84	23.71	24.5
		1	2	23.81	23.88	23.78	24.5
		1	5	23.84	23.78	23.64	24.5
	3	0	23.23	23.37	23.35	24.5	
	3	1	23.39	23.38	23.33	24.5	
	3	3	23.35	23.22	23.25	24.5	
	6	0	22.55	22.48	22.49	23.5	
	1	0	22.55	22.64	22.69	23.5	
	1	2	22.71	22.67	22.62	23.5	
	1	5	22.62	22.65	22.60	23.5	
	3	0	22.33	22.29	22.27	23.5	
	3	1	22.34	22.36	22.36	23.5	
	3	3	22.33	22.27	22.24	23.5	
6	0	21.44	21.45	21.52	22.5		

LTE Band 38 (Ant1)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	37850	37850	37850	37850	
20M	QPSK	1	0	23.85	23.85	23.91	25.5
		1	50	23.92	23.99	23.92	25.5
		1	99	23.73	23.75	23.78	25.5
		50	0	22.96	22.98	22.97	24.5
		50	25	22.94	22.96	22.95	24.5
		50	50	22.92	22.85	22.84	24.5
		100	0	22.95	22.97	22.92	24.5
		1	0	22.94	22.93	23.00	24.5
		1	50	22.96	22.97	23.03	24.5
		1	99	22.88	22.87	22.86	24.5
	50	0	21.99	21.98	22.01	23.5	
	50	25	22.02	21.97	22.02	23.5	
	50	50	21.91	21.92	21.97	23.5	
	100	0	21.93	21.94	21.98	23.5	
	1	0	21.72	21.85	21.96	23.5	
	1	50	21.98	21.83	21.77	23.5	
	1	99	21.81	21.89	21.72	23.5	
	50	0	20.94	20.86	20.96	22.5	
	50	25	20.93	20.93	21.04	22.5	
	50	50	20.87	20.85	20.91	22.5	
100	0	20.91	20.91	20.93	22.5		
15M	QPSK	1	0	23.83	23.88	23.79	25.5
		1	37	23.85	23.91	23.80	25.5
		1	74	23.70	23.73	23.66	25.5
		36	0	22.81	22.94	22.94	24.5
		36	19	22.93	22.81	22.94	24.5
		36	39	22.81	22.74	22.90	24.5
		75	0	22.94	22.95	22.82	24.5
		1	0	22.96	22.84	22.90	24.5
		1	37	22.92	22.84	22.95	24.5
		1	74	22.78	22.78	22.79	24.5
	36	0	21.89</				

LTE Band 41 (Ant1)													
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Max. Tune-up (dBm)				
				Channel	3975.0	4018.5	4062.0	4105.5		4149.0			
20M	QPSK	50	0	24.02	23.98	23.90	23.96	23.78	25.5				
			1	23.99	23.88	23.89	23.91	23.73	25.5				
			1	23.92	23.71	23.78	23.72	23.66	25.5				
			50	0	23.14	22.93	22.97	22.94	22.84	24.5			
			50	25	23.10	22.85	22.91	22.87	22.81	24.5			
			50	50	23.08	22.81	22.96	22.82	22.74	24.5			
		100	0	23.09	22.88	22.95	22.89	22.79	22.75	24.5			
			1	0	23.06	23.01	22.98	22.97	22.78	24.5			
			1	50	23.11	22.89	22.91	22.90	22.83	24.5			
			1	99	23.05	22.75	22.88	22.74	22.76	24.5			
			50	0	22.05	21.95	21.95	21.94	21.84	23.5			
			50	25	22.09	21.86	21.84	21.87	21.83	23.5			
	16QAM	50	0	22.07	21.89	21.95	21.90	21.78	23.5				
			50	50	22.08	21.83	21.93	21.82	21.73	23.5			
			100	0	21.82	21.76	21.73	21.71	21.85	23.5			
			1	50	21.98	21.85	21.76	21.67	21.79	23.5			
			1	99	21.89	21.78	21.84	21.63	21.68	23.5			
			50	0	21.01	20.93	20.91	20.90	20.81	22.5			
		64QAM	50	25	21.04	20.84	20.93	20.83	20.75	22.5			
				50	50	21.02	20.78	20.87	20.79	20.68	22.5		
				100	0	21.05	20.86	20.88	20.85	20.73	22.5		
			100	0	21.05	20.86	20.88	20.85	20.73	22.5			
				1	0	21.74	21.67	21.69	21.63	21.75	23.5		
				1	37	21.83	21.81	21.74	21.62	21.65	23.5		
1	74	21.75		21.73	21.51	21.61	21.64	23.5					
36	19	20.80		20.86	20.77	20.87	20.73	22.5					
36	39	20.90		20.70	20.76	20.77	20.63	22.5					
15M	QPSK	36	0	23.02	22.79	22.94	22.75	22.77	24.5				
			1	0	22.98	22.91	22.97	22.90	22.75	24.5			
			1	37	23.06	22.77	22.87	22.83	22.81	24.5			
			1	74	22.99	22.67	22.78	22.60	22.75	24.5			
			36	0	21.96	21.81	21.90	21.87	21.81	23.5			
			36	19	22.86	22.80	22.90	22.79	22.87	24.5			
		16QAM	36	39	22.97	22.71	22.96	22.74	22.68	24.5			
				75	0	23.02	22.79	22.94	22.75	22.77	24.5		
				1	0	22.98	22.91	22.97	22.90	22.75	24.5		
			64QAM	36	39	22.04	21.81	21.79	21.75	21.63	23.5		
					75	0	22.03	21.84	21.88	21.83	21.71	23.5	
					1	0	21.74	21.67	21.69	21.63	21.75	23.5	
	100	36		39	21.83	21.81	21.74	21.62	21.65	23.5			
				75	0	21.75	21.73	21.51	21.61	21.64	23.5		
				36	19	20.80	20.86	20.77	20.87	20.73	22.5		
		10M	QPSK	25	0	23.07	22.75	22.79	22.85	22.71	24.5		
					25	12	22.99	22.81	22.82	22.79	22.69	24.5	
					25	25	22.96	22.74	22.89	22.70	22.64	24.5	
	16QAM			25	0	22.96	22.80	22.83	22.84	22.78	24.5		
					1	0	22.91	22.92	22.85	22.96	22.77	24.5	
					1	24	23.03	22.78	22.79	22.83	22.71	24.5	
			64QAM	25	0	23.04	22.71	22.79	22.85	22.71	24.5		
					25	0	21.97	21.80	21.85	21.88	21.79	23.5	
					25	12	22.07	21.75	21.83	21.73	21.76	23.5	
100	25			25	25	22.07	21.81	21.88	21.67	21.72	23.5		
				50	0	22.02	21.77	21.90	21.75	21.63	23.5		
				1	0	21.71	21.65	21.71	21.63	21.80	23.5		
	5M	QPSK	12	0	23.85	23.66	23.75	23.81	23.70	25.5			
				1	12	23.93	23.76	23.84	23.76	23.58	25.5		
				1	24	23.85	23.66	23.64	23.69	23.64	25.5		
12				0	23.05	22.81	22.84	22.93	22.79	24.5			
12				6	22.95	22.71	22.86	22.82	22.68	24.5			
12				13	23.07	22.79	22.93	22.75	22.59	24.5			
16QAM			12	0	22.93	22.75	22.94	22.76	22.74	24.5			
				1	0	22.93	22.94	22.86	22.93	22.67	24.5		
				1	12	23.04	22.79	22.78	22.76	22.81	24.5		
			64QAM	12	0	22.94	22.68	22.84	22.72	22.64	24.5		
					12	0	21.95	21.82	21.81	21.86	21.71	23.5	
					12	6	22.00	21.85	21.88	21.73	21.80	23.5	
100		12		13	22.00	21.77	21.79	21.81	21.71	23.5			
				25	0	22.04	21.78	21.84	21.82	21.67	23.5		
				1	0	21.67	21.70	21.81	21.57	21.80	23.5		
		3M	QPSK	8	0	21.92	21.74	21.68	21.56	21.66	23.5		
					1	24	21.75	21.75	21.54	21.59	21.62	23.5	
					12	0	21.00	20.87	20.86	20.87	20.77	22.5	
16QAM				8	6	21.00	20.81	20.80	20.74	20.68	22.5		
					12	13	20.90	20.74	20.75	20.75	20.64	22.5	
					25	0	21.03	20.75	20.76	20.79	20.58	22.5	
			1.4M	QPSK	3	0	24.06	24.31	24.31	24.30	24.30	25.5	
						1	7	24.44	24.39	24.39	24.39	24.39	25.5
						1	14	24.30	24.16	24.16	24.34	24.34	25.5
16QAM	8				0	23.18	23.26	23.34	23.34	23.34	24.5		
					8	3	23.44	23.41	23.41	23.29	23.29	24.5	
					8	7	23.39	23.50	23.50	23.32	23.32	24.5	
	64QAM	15		0	23.28	23.50	23.50	23.34	23.34	24.5			
				1	0	23.41	23.40	23.40	23.41	23.41	24.5		
				1	7	23.55	23.63	23.63	23.49	23.49	24.5		
1.4M		QPSK		8	0	23.73	23.55	23.55	23.63	23.63	24.5		
					8	0	22.47	22.29	22.25	22.25	22.25	23.5	
					8	3	22.48	22.34	22.34	22.33	22.33	23.5	
	16QAM		8	7	22.38	22.32	22.32	22.26	22.26	23.5			
				15	0	22.27	22.33	22.26	22.26	22.26	23.5		
				1	0	22.40	22.44	22.44	22.31	22.31	23.5		
		64QAM	1	7	22.49	22.58	22.46	22.46	22.46	23.5			
				1	14	22.44	22.39	22.39	22.39	22.39	23.5		
				8	0	21.32	21.53	21.53	21.42	21.42	22.5		
	16QAM		8	3	21.48	21.51	21.41	21.41	21.41	22.5			
				8	7	21.63	21.49	21.49	21.46	21.46	22.5		
				15	0	21.50	21.50	21.50	21.35	21.35	22.5		
1.4M		QPSK	3	0	24.00	24.30	24.30	24.30	24.30	25.5			
				1	2	24.33	24.37	24.35	24.35	24.35	25.5		
				1	5	24.38	24.15	24.15	24.24	24.24	25.5		
	16QAM		3	0	24.05	24.14	24.10	24.10	24.10	25.5			
				3	1	24.22	24.18	24.13	24.13	24.13	25.5		
				3	3	24.18	24.30	24.18	24.18	24.18	25.5		
		64QAM	6	0	23.30	23.46	23.21	23.21	23.21	24.5			
				1	0	23.41	23.33	23.47	23.47	23.47	24.5		
				1	2	23.48	23.54	23.46	23.46	23.46	24.5		
	16QAM		1	5	23.63	23.56	23.53	23.53	23.53	24.5			
				3	0	23.27	23.15	23.09	23.09	23.09	24.5		
				3	1	23.25	23.28	23.18	23.18	23.18	24.5		
64QAM		3	3	23.23	23.18	23.03	23.03	23.03	24.5				
			6	0	22.32	22.29	22.20	22.20	22.20	23.5			
			1	0	22.35	22.43	22.28	22.28	22.28	23.5			
	16QAM	1	2	22.39	22.54	22.42	22.42	22.42	23.5				
			1	5	22.56	22.41	22.45	22.45	22.45	23.5			
			3	0	22.22	22.34	22.19	22.19	22.19	23.5			
64QAM		3	1	22.27	22.28	22.20	22.20	22.20	23.5				
			3	3	22.35	22.24	22.34	22.34	22.34	23.5			
			6	0	21.48	21.60	21.34	21.34	21.34	22.5			

LTE Band 66 (Ant1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)		
				Channel	13202	13232		13262	
20M	QPSK	50	0	24.15	24.41	24.41	24.33	25.5	
			1	50	24.46	24.61	24.42	24.42	25.5
			1	99	24.40	24.27	24.35	24.35	25.5
			50	0	23.31	23.39	23.40	23.40	24.5
			50	25	23.45	23.52	23.41	23.41	24.5
			50	50	23.47	23.56	23.43	23.43	24.5
		100	0	23.37	23.54	23.36	23.36	24.5	
			1	0	23.46	23.45	23.35	23.35	24.5
			1	50	23.31	23.67	23.51	23.51	24.5
			1	99	23.75	23.60	23.65	23.65	24.5
			50	0	22.50	22.44	22.33	22.33	23.5
			50	25	22.49	22.49	22.39	22.39	23.5
	16QAM	50	0	22.51	22.43	22.38	22.38	23.5	
			100	0	22.33	22.41	22.33	22.33	23.5
			1	0	22.42	22.48	22.38		

LTE_Ant2 DS1 Power

LTE Band 42 FCC Part27Q (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	4290	4290	
20M	QPSK	50	0	15.45	19.45	19.51	20.5
				19.45	19.40	19.44	20.5
				19.39	19.40	19.28	20.5
				19.13	19.00	18.92	20.5
				19.29	19.21	19.04	20.5
				19.21	19.03	18.96	20.5
	16QAM	50	0	19.27	19.13	18.94	20.5
				19.23	19.01	19.02	20.5
				19.24	19.12	18.99	20.5
				19.11	18.93	18.95	20.5
				19.21	19.03	18.97	20
				19.14	19.01	19.02	20
64QAM	50	0	19.12	19.06	18.99	20	
			19.09	19.00	18.92	20	
			18.88	18.82	18.83	20	
			18.80	18.80	18.47	20	
			18.03	17.89	17.89	19	
			18.05	17.85	17.88	19	
15M	QPSK	36	0	19.02	19.00	18.95	20.5
				19.29	19.35	19.22	20.5
				19.29	19.16	19.01	20.5
				19.17	19.06	19.01	20.5
				19.17	18.88	18.91	20.5
				19.23	19.07	18.89	20.5
	16QAM	36	0	19.22	18.90	18.98	20.5
				19.27	19.03	18.96	20.5
				19.06	18.91	18.80	20.5
				19.07	18.86	18.87	20
				19.02	18.82	18.97	20
				19.04	18.99	18.89	20
64QAM	36	0	18.99	18.88	18.84	20.5	
			18.59	18.57	18.51	20	
			18.66	18.57	18.45	20	
			18.58	18.55	18.36	20	
			17.96	17.95	17.82	19	
			17.93	17.90	17.91	19	
10M	QPSK	25	0	19.09	18.88	18.84	20.5
				19.25	19.08	18.92	20.5
				19.28	19.12	18.96	20.5
				19.05	18.92	18.88	20.5
				19.28	19.12	18.96	20.5
				19.09	18.88	18.84	20.5
	16QAM	25	0	19.01	18.87	18.96	20
				19.11	19.02	18.92	20
				19.01	18.86	18.85	20
				18.58	18.49	18.56	20
				18.52	18.55	18.35	20
				17.99	17.97	17.81	19
64QAM	25	0	18.03	17.99	17.86	19	
			17.99	17.83	17.79	19	
			17.99	17.85	17.79	19	
			17.59	17.59	17.81	19	
			18.61	18.47	18.32	20	
			18.77	18.55	18.49	20	
5M	QPSK	12	0	19.30	19.37	19.48	20.5
				19.46	19.40	19.41	20.5
				19.24	19.26	19.20	20.5
				19.02	18.96	18.79	20.5
				19.25	19.17	18.89	20.5
				19.08	18.91	18.87	20.5
	16QAM	12	0	19.13	18.87	18.98	20.5
				19.24	19.08	18.83	20.5
				19.08	18.83	18.86	20.5
				19.07	18.96	18.90	20
				19.09	18.87	18.99	20
				18.86	18.03	18.89	20
64QAM	12	0	19.00	18.85	18.84	20	
			18.63	18.50	18.56	20	
			18.77	18.55	18.49	20	
			18.61	18.47	18.32	20	
			17.97	17.83	17.83	19	
			17.92	18.00	17.88	19	

LTE Band 42 FCC Part96 (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	43190	43340	
20M	QPSK	50	0	19.35	19.28	19.30	20.5
				19.36	19.33	19.24	20.5
				19.25	19.25	19.16	20.5
				19.00	18.92	18.77	20.5
				19.21	19.08	18.93	20.5
				19.09	18.79	18.79	20.5
	16QAM	50	0	19.33	19.00	18.78	20.5
				19.12	18.90	18.87	20.5
				19.12	18.98	18.78	20.5
				18.94	18.93	18.83	20.5
				18.84	18.86	18.79	20
				18.95	18.94	18.90	20
64QAM	50	0	19.05	18.91	18.76	20	
			19.05	18.91	18.76	20	
			18.60	18.84	18.81	20	
			18.59	18.59	18.41	20	
			18.52	18.27	18.41	20	
			17.84	17.98	17.82	19	
15M	QPSK	36	0	19.12	19.17	19.10	20.5
				19.28	19.18	19.16	20.5
				19.12	19.17	19.10	20.5
				19.20	19.07	18.79	20.5
				18.92	18.91	18.70	20.5
				19.19	18.94	18.83	20.5
	16QAM	36	0	18.97	18.75	18.77	20.5
				18.99	18.91	18.76	20.5
				18.84	18.91	18.78	20.5
				18.81	18.84	18.69	20
				18.84	18.90	18.79	20
				19.02	18.84	18.82	20
64QAM	36	0	18.50	18.43	18.41	20	
			18.50	18.43	18.41	20	
			18.52	18.49	18.39	20	
			18.40	18.26	18.39	20	
			17.92	17.90	17.72	19	
			17.87	17.93	17.56	20.5	
10M	QPSK	25	0	18.85	18.97	18.70	20.5
				18.16	18.94	18.73	20.5
				19.00	18.82	18.75	20.5
				18.97	18.95	18.66	20.5
				18.80	18.79	18.79	20.5
				18.79	18.80	18.69	20
	16QAM	25	0	18.81	18.88	18.75	20
				18.81	18.84	18.73	20
				18.91	18.84	18.73	20
				18.82	18.87	18.72	20
				18.58	18.51	18.32	20
				18.56	18.56	18.36	20
64QAM	25	0	18.51	18.16	18.39	20	
			17.93	17.86	17.70	19	
			17.79	17.81	17.71	19	
			17.85	17.87	17.58	19	
			17.81	17.76	17.76	19	
			17.76	17.76	17.76	19	
5M	QPSK	12	0	19.20	19.21	19.27	20.5
				19.22	19.26	19.19	20.5
				19.14	19.14	19.11	20.5
				18.99	18.91	18.83	20.5
				19.14	19.02	18.79	20.5
				18.96	19.00	18.78	20.5
	16QAM	12	0	19.19	18.93	18.88	20.5
				19.09	18.85	18.85	20.5
				18.56	18.56	18.38	20
				18.80	18.80	18.68	20.5
				18.84	18.84	18.73	20
				18.82	18.80	18.73	20
64QAM	12	0	18.99	18.88	18.73	20	
			18.57	18.46	18.32	20	
			18.57	18.54	18.33	20	
			18.39	18.20	18.35	20	
			17.91	17.87	17.68	19	
			17.81	17.90	17.60	19	

LTE Band 48 (Ant2)								
BW	MCS Index	RB Size	RB Offset	Low	Low Mid	High Mid	Max. Tune-up (dBm)	
				Channel	5330	5330		5310
20M	QPSK	50	0	20.23	20.16	19.95	21.5	
				20.23	20.16	19.95	21.5	
				20.49	20.13	20.10	19.83	21.5
				19.94	19.62	19.63	19.43	21
				19.98	19.71	19.70	19.53	21
				19.91	19.68	19.64	19.40	21
	16QAM	50	0	19.85	19.61	19.53	21	
				20.03	19.69	19.49	19.37	21
				19.50	19.75	19.73	19.56	21
				19.91	19.86	19.80	19.27	21
				18.96	18.83	18.60	18.53	20
				18.96	18.86	18.87	18.45	20
64QAM	50	0	18.99	18.71	18.60	18.37	20	
			18.99	18.71	18.60	18.37	20	
			18.50	18.64	18.60	18.43	20	
			18.58	18.32	18.17	18.49	20	
			18.31	18.31	18.37	20		
			18.31	18.25	18.13	18.20	20	
15M	QPSK	36	0	17.99	17.67	17.57	17.47	19
				17.99	17.67	17.57	17.47	19
				17.62	17.61	17.55	17.40	19
				17.54	17.55	17.55	17.28	19
				17.55	17.55	17.55	17.29	19
				17.55	17.55	17.55	17.29	19
	16QAM	36	0	20.37	20.13	20.10	19.83	21.5
				20.47	20.14	20.14	19.90	21.5
				20.48	20.01	19.99	19.82	21.5
				19.99	19.52	19.55	19.47	21
				19.89	19.63	19.50	19.31	21
				19.89	19.54	19.54	19.19	21
64QAM	36	0	20.02	19.55	19.47	19.33	21	
			19.90	19.74	19.66	19.21	21	
			19.80	19.56	19.57	19.25	21	
			18.84	18.52	18.45	18.42	20	
			18.80	18.53	18.66	18.37	20	
			18.88	18.58	18.56	18.27	20	
10M	QPSK	25	0	19.52	19.50	19.32	20	
				19.52	19.50	19.32	20	
				18.52	18.19	18.05	18.37	20
				18.66	18.27	18.21	18.26	20
				18.39	18.24	18.01	18.06	20
				17.96	17.59	17.49	17.36	19
	16QAM	25	0	19.81	19.59	19.50	19.32	21
				19.52	19.19	19.05	18.37	20
				18.66	18.27	18.21	18.26	20
				18.39	18.24	18.01	18.06	20
				17.96	17.59	17.49	17.36	19
				17.95	17.46	17.54	17.31	19
64QAM	25	0	17.83	17.49	17.61	17.24	19	
			17.83	17.49	17.61	17.24	19	
			17.93	17.50	17.41	17.16	19	
			20.40	20.38	20.03	19.81	21.5	
			20.45	20.22	20.07	19.87	21.5	
			20.41	20.03	19.98	19.69	21.5	
5M	QPSK	12	0	19.90	19.47	19.51	19.36	21
				19.84	19.68	19.67	19.51	21
				19.81	19.59	19.50	19.32	21
				19.87	19.47	19.53		

LTE_Ant3 DS1 Power

		LTE Band 2 (Ant3)						
BW	Modulation	RB Size Channel	RB Offset Frequency (MHz)	Low	Mid	High	Max. Time-up (dBm)	
				18700	18900	19100		
20M	QPSK	50	0	16.76	16.76	16.76	18	
			1	16.80	16.80	16.80	18	
			1	16.84	16.84	16.84	18	
			1	16.87	16.87	16.87	18	
			1	16.90	16.90	16.90	18	
			1	16.93	16.93	16.93	18	
		100	0	16.86	16.86	16.86	18	
			1	16.89	16.89	16.89	18	
			1	16.92	16.92	16.92	18	
			1	16.95	16.95	16.95	18	
			1	16.98	16.98	16.98	18	
			1	17.01	17.01	17.01	18	
	16QAM	50	0	16.48	16.48	16.48	18	
			1	16.51	16.51	16.51	18	
			1	16.54	16.54	16.54	18	
			1	16.57	16.57	16.57	18	
			1	16.60	16.60	16.60	18	
			1	16.63	16.63	16.63	18	
		100	0	16.64	16.64	16.64	18	
			1	16.67	16.67	16.67	18	
			1	16.70	16.70	16.70	18	
			1	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
64QAM	50	0	16.76	16.76	16.76	18		
		1	16.79	16.79	16.79	18		
		1	16.82	16.82	16.82	18		
		1	16.85	16.85	16.85	18		
		1	16.88	16.88	16.88	18		
		1	16.91	16.91	16.91	18		
	100	0	16.89	16.89	16.89	18		
		1	16.92	16.92	16.92	18		
		1	16.95	16.95	16.95	18		
		1	16.98	16.98	16.98	18		
		1	17.01	17.01	17.01	18		
		1	17.04	17.04	17.04	18		
15M	QPSK	36	0	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
			1	16.82	16.82	16.82	18	
			1	16.85	16.85	16.85	18	
			1	16.88	16.88	16.88	18	
		75	0	16.85	16.85	16.85	18	
			1	16.88	16.88	16.88	18	
			1	16.91	16.91	16.91	18	
			1	16.94	16.94	16.94	18	
			1	16.97	16.97	16.97	18	
			1	17.00	17.00	17.00	18	
	16QAM	36	0	16.48	16.48	16.48	18	
			1	16.51	16.51	16.51	18	
			1	16.54	16.54	16.54	18	
			1	16.57	16.57	16.57	18	
			1	16.60	16.60	16.60	18	
			1	16.63	16.63	16.63	18	
		75	0	16.64	16.64	16.64	18	
			1	16.67	16.67	16.67	18	
			1	16.70	16.70	16.70	18	
			1	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
64QAM	36	0	16.66	16.66	16.66	18		
		1	16.69	16.69	16.69	18		
		1	16.72	16.72	16.72	18		
		1	16.75	16.75	16.75	18		
		1	16.78	16.78	16.78	18		
		1	16.81	16.81	16.81	18		
	75	0	16.82	16.82	16.82	18		
		1	16.85	16.85	16.85	18		
		1	16.88	16.88	16.88	18		
		1	16.91	16.91	16.91	18		
		1	16.94	16.94	16.94	18		
		1	16.97	16.97	16.97	18		
10M	QPSK	25	0	16.65	16.65	16.65	18	
			1	16.68	16.68	16.68	18	
			1	16.71	16.71	16.71	18	
			1	16.74	16.74	16.74	18	
			1	16.77	16.77	16.77	18	
			1	16.80	16.80	16.80	18	
		12.5	0	16.75	16.75	16.75	18	
			1	16.78	16.78	16.78	18	
			1	16.81	16.81	16.81	18	
			1	16.84	16.84	16.84	18	
			1	16.87	16.87	16.87	18	
			1	16.90	16.90	16.90	18	
	16QAM	25	0	16.48	16.48	16.48	18	
			1	16.51	16.51	16.51	18	
			1	16.54	16.54	16.54	18	
			1	16.57	16.57	16.57	18	
			1	16.60	16.60	16.60	18	
			1	16.63	16.63	16.63	18	
		12.5	0	16.64	16.64	16.64	18	
			1	16.67	16.67	16.67	18	
			1	16.70	16.70	16.70	18	
			1	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
64QAM	25	0	16.65	16.65	16.65	18		
		1	16.68	16.68	16.68	18		
		1	16.71	16.71	16.71	18		
		1	16.74	16.74	16.74	18		
		1	16.77	16.77	16.77	18		
		1	16.80	16.80	16.80	18		
	12.5	0	16.81	16.81	16.81	18		
		1	16.84	16.84	16.84	18		
		1	16.87	16.87	16.87	18		
		1	16.90	16.90	16.90	18		
		1	16.93	16.93	16.93	18		
		1	16.96	16.96	16.96	18		
5M	QPSK	12	0	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
			1	16.82	16.82	16.82	18	
			1	16.85	16.85	16.85	18	
			1	16.88	16.88	16.88	18	
		6	0	16.85	16.85	16.85	18	
			1	16.88	16.88	16.88	18	
			1	16.91	16.91	16.91	18	
			1	16.94	16.94	16.94	18	
			1	16.97	16.97	16.97	18	
			1	17.00	17.00	17.00	18	
	16QAM	12	0	16.48	16.48	16.48	18	
			1	16.51	16.51	16.51	18	
			1	16.54	16.54	16.54	18	
			1	16.57	16.57	16.57	18	
			1	16.60	16.60	16.60	18	
			1	16.63	16.63	16.63	18	
		6	0	16.64	16.64	16.64	18	
			1	16.67	16.67	16.67	18	
			1	16.70	16.70	16.70	18	
			1	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
64QAM	12	0	16.66	16.66	16.66	18		
		1	16.69	16.69	16.69	18		
		1	16.72	16.72	16.72	18		
		1	16.75	16.75	16.75	18		
		1	16.78	16.78	16.78	18		
		1	16.81	16.81	16.81	18		
	6	0	16.82	16.82	16.82	18		
		1	16.85	16.85	16.85	18		
		1	16.88	16.88	16.88	18		
		1	16.91	16.91	16.91	18		
		1	16.94	16.94	16.94	18		
		1	16.97	16.97	16.97	18		
3M	QPSK	8	0	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
			1	16.82	16.82	16.82	18	
			1	16.85	16.85	16.85	18	
			1	16.88	16.88	16.88	18	
		4	0	16.85	16.85	16.85	18	
			1	16.88	16.88	16.88	18	
			1	16.91	16.91	16.91	18	
			1	16.94	16.94	16.94	18	
			1	16.97	16.97	16.97	18	
			1	17.00	17.00	17.00	18	
	16QAM	8	0	16.48	16.48	16.48	18	
			1	16.51	16.51	16.51	18	
			1	16.54	16.54	16.54	18	
			1	16.57	16.57	16.57	18	
			1	16.60	16.60	16.60	18	
			1	16.63	16.63	16.63	18	
		4	0	16.64	16.64	16.64	18	
			1	16.67	16.67	16.67	18	
			1	16.70	16.70	16.70	18	
			1	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
64QAM	8	0	16.66	16.66	16.66	18		
		1	16.69	16.69	16.69	18		
		1	16.72	16.72	16.72	18		
		1	16.75	16.75	16.75	18		
		1	16.78	16.78	16.78	18		
		1	16.81	16.81	16.81	18		
	4	0	16.82	16.82	16.82	18		
		1	16.85	16.85	16.85	18		
		1	16.88	16.88	16.88	18		
		1	16.91	16.91	16.91	18		
		1	16.94	16.94	16.94	18		
		1	16.97	16.97	16.97	18		
1.4M	QPSK	3	0	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
			1	16.82	16.82	16.82	18	
			1	16.85	16.85	16.85	18	
			1	16.88	16.88	16.88	18	
		1.5	0	16.85	16.85	16.85	18	
			1	16.88	16.88	16.88	18	
			1	16.91	16.91	16.91	18	
			1	16.94	16.94	16.94	18	
			1	16.97	16.97	16.97	18	
			1	17.00	17.00	17.00	18	
	16QAM	3	0	16.48	16.48	16.48	18	
			1	16.51	16.51	16.51	18	
			1	16.54	16.54	16.54	18	
			1	16.57	16.57	16.57	18	
			1	16.60	16.60	16.60	18	
			1	16.63	16.63	16.63	18	
		1.5	0	16.64	16.64	16.64	18	
			1	16.67	16.67	16.67	18	
			1	16.70	16.70	16.70	18	
			1	16.73	16.73	16.73	18	
			1	16.76	16.76	16.76	18	
			1	16.79	16.79	16.79	18	
64QAM	3	0	16.66	16.66	16.66	18		
		1	16.69	16.69	16.69	18		
		1	16.72	16.72	16.72	18		
		1	16.75	16.75	16.75			

LTE Band 66 (Ant3)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel Frequency (MHz)	RB Offset	13202	13222	13242	
20M	QPSK	1	0	16.30	16.42	16.39	18
		1	50	16.55	16.68	16.46	18
		1	99	16.29	16.42	16.37	18
		50	0	16.30	16.42	16.39	18
		50	25	16.36	16.53	16.49	18
		50	50	16.36	16.53	16.42	18
	100	0	16.30	16.47	16.41	18	
	1	0	16.36	16.38	16.36	18	
	1	50	16.42	16.28	16.39	18	
	1	99	16.41	16.35	16.44	18	
	50	0	16.37	16.40	16.27	18	
	50	25	16.18	16.26	16.47	18	
	50	50	16.36	16.23	16.18	18	
	100	0	16.37	16.34	16.38	18	
	16QAM	1	0	16.32	16.33	16.28	18
		1	50	16.51	16.36	16.27	18
		1	99	16.35	16.28	16.22	18
		50	0	16.29	16.42	16.40	18
50		25	16.29	16.35	16.38	18	
50		50	16.30	16.50	16.35	18	
64QAM	1	0	16.32	16.33	16.28	18	
	1	50	16.51	16.36	16.27	18	
	1	99	16.35	16.28	16.22	18	
	50	0	16.29	16.42	16.40	18	
	50	25	16.29	16.35	16.38	18	
	50	50	16.30	16.50	16.35	18	
15M	QPSK	1	0	16.18	16.54	16.15	18
		1	37	16.49	16.46	16.31	18
		1	74	16.19	16.35	16.30	18
		36	0	16.09	16.31	16.23	18
		36	19	16.24	16.49	16.38	18
		36	39	16.21	16.25	16.39	18
	75	0	16.20	16.37	16.38	18	
	1	0	16.33	16.20	16.32	18	
	1	37	16.50	16.36	16.28	18	
	1	74	16.35	16.20	16.43	18	
	36	0	16.25	16.38	16.24	18	
	36	19	16.03	16.23	16.44	18	
	36	39	16.32	16.15	16.03	18	
	75	0	16.31	16.24	16.31	18	
	16QAM	1	0	16.20	16.32	16.24	18
		1	37	16.43	16.22	16.16	18
		1	74	16.31	16.22	16.07	18
		36	0	16.20	16.40	16.29	18
36		19	16.23	16.37	16.37	18	
36		39	16.25	16.43	16.26	18	
64QAM	1	0	16.11	16.52	16.04	18	
	1	37	16.43	16.22	16.16	18	
	1	74	16.31	16.22	16.07	18	
	36	0	16.20	16.40	16.29	18	
	36	19	16.23	16.37	16.37	18	
	36	39	16.25	16.43	16.26	18	
10M	QPSK	1	0	16.25	16.36	16.25	18
		1	37	16.49	16.46	16.31	18
		1	74	16.19	16.35	16.30	18
		36	0	16.09	16.31	16.23	18
		36	19	16.24	16.49	16.38	18
		36	39	16.21	16.25	16.39	18
	75	0	16.20	16.37	16.38	18	
	1	0	16.33	16.20	16.32	18	
	1	37	16.50	16.36	16.28	18	
	1	74	16.35	16.20	16.43	18	
	36	0	16.25	16.38	16.24	18	
	36	19	16.03	16.23	16.44	18	
	36	39	16.32	16.15	16.03	18	
	75	0	16.31	16.24	16.31	18	
	16QAM	1	0	16.20	16.32	16.24	18
		1	37	16.43	16.22	16.16	18
		1	74	16.31	16.22	16.07	18
		36	0	16.20	16.40	16.29	18
36		19	16.23	16.37	16.37	18	
36		39	16.25	16.43	16.26	18	
64QAM	1	0	16.11	16.52	16.04	18	
	1	37	16.43	16.22	16.16	18	
	1	74	16.31	16.22	16.07	18	
	36	0	16.20	16.40	16.29	18	
	36	19	16.23	16.37	16.37	18	
	36	39	16.25	16.43	16.26	18	
5M	QPSK	1	0	16.25	16.36	16.25	18
		1	12	16.51	16.43	16.31	18
		1	24	16.42	16.56	16.43	18
		1	49	16.22	16.32	16.23	18
		12	0	16.07	16.21	16.25	18
		12	6	16.29	16.38	16.40	18
	25	0	16.29	16.28	16.28	18	
	25	25	16.27	16.28	16.28	18	
	50	0	16.25	16.39	16.31	18	
	1	0	16.30	16.23	16.27	18	
	1	24	16.39	16.20	16.36	18	
	1	49	16.30	16.30	16.30	18	
	25	0	16.31	16.32	16.24	18	
	25	12	16.09	16.13	16.40	18	
	25	25	16.32	16.20	16.04	18	
	50	0	16.29	16.29	16.30	18	
	1	0	16.19	16.18	16.22	18	
	16QAM	1	0	16.50	16.24	16.18	18
1		49	16.27	16.19	16.18	18	
25		0	16.28	16.41	16.33	18	
25		12	16.24	16.30	16.32	18	
25		25	16.20	16.36	16.21	18	
50		0	16.13	16.51	16.05	18	
64QAM	1	0	16.19	16.51	16.05	18	
	1	49	16.26	16.19	16.18	18	
	25	0	16.28	16.41	16.33	18	
	25	12	16.24	16.30	16.32	18	
	25	25	16.20	16.36	16.21	18	
	50	0	16.13	16.51	16.05	18	
3M	QPSK	1	0	16.18	16.37	16.29	18
		1	7	16.40	16.47	16.42	18
		1	14	16.16	16.36	16.26	18
		8	0	16.18	16.34	16.29	18
		8	3	16.28	16.52	16.40	18
		8	7	16.26	16.31	16.36	18
	15	0	16.16	16.41	16.34	18	
	1	0	16.24	16.29	16.31	18	
	1	7	16.36	16.26	16.37	18	
	1	14	16.34	16.23	16.41	18	
	8	0	16.36	16.28	16.35	18	
	8	3	16.06	16.24	16.41	18	
	8	7	16.34	16.14	16.14	18	
	15	0	16.22	16.29	16.33	18	
	1	0	16.18	16.22	16.25	18	
	1	7	16.38	16.23	16.25	18	
	16QAM	1	0	16.24	16.27	16.20	18
		1	14	16.27	16.23	16.20	18
8		0	16.22	16.33	16.38	18	
8		3	16.18	16.34	16.33	18	
8		7	16.17	16.45	16.27	18	
15		0	16.06	16.44	16.14	18	
64QAM	1	0	16.29	16.18	16.13	18	
	1	2	16.41	16.27	16.20	18	
	1	5	16.26	16.20	16.15	18	
	3	0	16.17	16.27	16.38	18	
	3	1	16.13	16.33	16.37	18	
	3	3	16.26	16.37	16.20	18	
1.4M	QPSK	1	0	16.24	16.39	16.24	18
		1	2	16.51	16.46	16.37	18
		1	5	16.22	16.34	16.23	18
		3	0	16.05	16.22	16.27	18
		3	1	16.26	16.42	16.47	18
		3	3	16.21	16.30	16.36	18
	6	0	16.19	16.38	16.30	18	
	1	0	16.34	16.23	16.25	18	
	1	2	16.40	16.18	16.31	18	
	1	5	16.36	16.22	16.42	18	
	3	0	16.36	16.37	16.18	18	
	3	1	16.09	16.15	16.44	18	
	3	3	16.32	16.15	16.09	18	
	6	0	16.36	16.24	16.24	18	
	1	0	16.29	16.18	16.13	18	
	1	2	16.41	16.27	16.20	18	
	16QAM	1	0	16.29	16.18	16.13	18
		1	2	16.41	16.27	16.20	18
1		5	16.26	16.20	16.15	18	
3		0	16.17	16.27	16.38	18	
3		1	16.13	16.33	16.37	18	
3		3	16.26	16.37	16.20	18	
64QAM	1	0	16.10	16.42	16.01	18	

LTE Band 38 (Ant3)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel Frequency (MHz)	RB Offset	2775	2800	2815	
20M	QPSK	1	0	16.70	16.73	16.63	18
		1	50	16.77	16.89	16.75	18
		1	99	16.73	16.67	16.60	18
		50	0	16.68	16.67	16.63	18
		50	25	16.57	16.53	16.39	18
		50	50	16.45	16.44	16.51	18
	100	0	16.42	16.54	16.53	18	
	1	0	16.63	16.55	16.57	18	
	1	50	16.68	16.57	16.63	18	
	1	99	16.43	16.36	16.37	18	
	50	0	16.62	16.53	16.47	18	
	50	25	16.59	16.48	16.59	18	
	50	50	16.50	16.37	16.57	18	
	100	0	16.53	16.51	16.59	18	
	16QAM	1	0	16.72	16.55	16.50	18
		1	50	16.70	16.48	16.56	18
		1	99	16.36	16.48	16.43	18
		50	0	16.65	16.51	16.50	18
50		25	16.59	16.53	16.59	18	
50		50	16.47	16.38	16.43	18	
64QAM	1	0	16.60	16.44	16.56	18	
	1	50	16.68	16.56	16.58	18	
	1	99	16.73	16.79	16.68	18	
	36	0	16.58	16.65	16.51	18	
	36	19	16.63	16.63	16.63	18	
	36	39	16.35	16.35	16.43	18	
15M	QPSK	1					

		LTE Band 41 (ENDC Only) (Ant3)									
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Max. Time-up (dBm)		
		Channel	Frequency (MHz)	3970.5	3985.5	4000.5	4015.5	4030.5	4045.5	4060.5	4075.5
20M	QPSK	1	0	16.52	16.40	16.42	16.45	16.43	18		
		1	50	16.61	16.53	16.48	16.49	16.52	18		
		1	99	16.57	16.43	16.44	16.47	16.50	18		
		50	0	16.38	16.36	16.37	16.38	16.39	18		
		50	25	16.57	16.38	16.36	16.30	16.27	18		
		50	50	16.47	16.27	16.30	16.16	16.19	18		
	16QAM	100	0	16.54	16.29	16.40	16.29	16.21	18		
		1	0	16.37	16.47	16.45	16.22	16.31	18		
		1	50	16.46	16.34	16.50	16.52	16.26	18		
		1	99	16.54	16.11	16.20	16.35	16.38	18		
		50	0	16.42	16.34	16.39	16.19	16.29	18		
		50	25	16.56	16.23	16.31	16.20	16.16	18		
64QAM	50	50	16.51	16.29	16.26	16.22	16.15	18			
	100	0	16.39	16.35	16.35	16.24	16.21	18			
	1	0	16.47	16.37	16.52	16.23	16.60	18			
	1	50	16.42	16.20	16.34	16.14	16.42	18			
	1	99	16.39	16.46	16.39	16.08	16.22	18			
	50	0	16.39	16.33	16.48	16.29	16.15	18			
15M	QPSK	50	25	16.31	16.27	16.39	16.24	16.19	18		
		50	50	16.30	16.32	16.32	16.23	16.23	18		
		100	0	16.32	16.44	16.43	16.20	16.14	18		
		1	0	16.51	16.28	16.33	16.41	16.42	18		
		1	37	16.52	16.48	16.45	16.42	16.44	18		
		1	74	16.56	16.35	16.34	16.43	16.49	18		
16QAM	36	0	16.52	16.23	16.18	16.09	16.22	18			
	36	19	16.42	16.31	16.25	16.15	16.22	18			
	36	39	16.38	16.18	16.28	16.29	16.11	18			
	75	0	16.43	16.24	16.39	16.16	16.07	18			
	1	0	16.24	16.40	16.41	16.13	16.20	18			
	1	37	16.35	16.19	16.46	16.21	16.25	18			
64QAM	1	74	16.51	16.22	16.06	16.29	16.22	18			
	36	0	16.29	16.19	16.29	16.12	16.19	18			
	36	19	16.43	16.20	16.22	16.06	16.02	18			
	36	39	16.38	16.22	16.15	16.12	16.14	18			
	75	0	16.34	16.24	16.34	16.15	16.16	18			
	1	0	16.42	16.34	16.49	16.09	16.46	18			
10M	QPSK	1	37	16.28	16.18	16.20	16.02	16.36	18		
		1	74	16.35	16.38	16.28	16.22	16.17	18		
		36	0	16.26	16.24	16.33	16.28	16.09	18		
		36	19	16.29	16.18	16.24	16.05	16.05	18		
		36	39	16.17	16.24	16.24	16.14	16.14	18		
		75	0	16.25	16.43	16.37	16.10	16.08	18		
16QAM	1	37	16.28	16.18	16.20	16.02	16.36	18			
	1	74	16.35	16.38	16.28	16.22	16.17	18			
	36	0	16.26	16.24	16.33	16.28	16.09	18			
	36	19	16.29	16.18	16.24	16.05	16.05	18			
	36	39	16.17	16.24	16.24	16.14	16.14	18			
	75	0	16.25	16.43	16.37	16.10	16.08	18			
64QAM	1	37	16.28	16.18	16.20	16.02	16.36	18			
	1	74	16.35	16.38	16.28	16.22	16.17	18			
	36	0	16.26	16.24	16.33	16.28	16.09	18			
	36	19	16.29	16.18	16.24	16.05	16.05	18			
	36	39	16.17	16.24	16.24	16.14	16.14	18			
	75	0	16.25	16.43	16.37	16.10	16.08	18			
20M	QPSK	1	0	16.51	16.28	16.33	16.41	16.42	18		
		1	37	16.52	16.48	16.45	16.42	16.44	18		
		1	74	16.56	16.35	16.34	16.43	16.49	18		
		36	0	16.52	16.23	16.18	16.09	16.22	18		
		36	19	16.42	16.31	16.25	16.15	16.22	18		
		36	39	16.38	16.18	16.28	16.29	16.11	18		
	16QAM	75	0	16.43	16.24	16.39	16.16	16.07	18		
		1	0	16.24	16.40	16.41	16.13	16.20	18		
		1	37	16.35	16.19	16.46	16.21	16.25	18		
		1	74	16.51	16.22	16.06	16.29	16.22	18		
		36	0	16.29	16.19	16.29	16.12	16.19	18		
		36	19	16.43	16.20	16.22	16.06	16.02	18		
64QAM	36	39	16.38	16.22	16.15	16.12	16.14	18			
	75	0	16.34	16.24	16.34	16.15	16.16	18			
	1	0	16.42	16.34	16.49	16.09	16.46	18			
	1	37	16.28	16.18	16.20	16.02	16.36	18			
	1	74	16.35	16.38	16.28	16.22	16.17	18			
	36	0	16.26	16.24	16.33	16.28	16.09	18			
20M	QPSK	1	0	16.51	16.28	16.33	16.41	16.42	18		
		1	37	16.52	16.48	16.45	16.42	16.44	18		
		1	74	16.56	16.35	16.34	16.43	16.49	18		
		36	0	16.52	16.23	16.18	16.09	16.22	18		
		36	19	16.42	16.31	16.25	16.15	16.22	18		
		36	39	16.38	16.18	16.28	16.29	16.11	18		
	16QAM	75	0	16.43	16.24	16.39	16.16	16.07	18		
		1	0	16.24	16.40	16.41	16.13	16.20	18		
		1	37	16.35	16.19	16.46	16.21	16.25	18		
		1	74	16.51	16.22	16.06	16.29	16.22	18		
		36	0	16.29	16.19	16.29	16.12	16.19	18		
		36	19	16.43	16.20	16.22	16.06	16.02	18		
64QAM	36	39	16.38	16.22	16.15	16.12	16.14	18			
	75	0	16.34	16.24	16.34	16.15	16.16	18			
	1	0	16.42	16.34	16.49	16.09	16.46	18			
	1	37	16.28	16.18	16.20	16.02	16.36	18			
	1	74	16.35	16.38	16.28	16.22	16.17	18			
	36	0	16.26	16.24	16.33	16.28	16.09	18			
20M	QPSK	1	0	16.51	16.28	16.33	16.41	16.42	18		
		1	37	16.52	16.48	16.45	16.42	16.44	18		
		1	74	16.56	16.35	16.34	16.43	16.49	18		
		36	0	16.52	16.23	16.18	16.09	16.22	18		
		36	19	16.42	16.31	16.25	16.15	16.22	18		
		36	39	16.38	16.18	16.28	16.29	16.11	18		
	16QAM	75	0	16.43	16.24	16.39	16.16	16.07	18		
		1	0	16.24	16.40	16.41	16.13	16.20	18		
		1	37	16.35	16.19	16.46	16.21	16.25	18		
		1	74	16.51	16.22	16.06	16.29	16.22	18		
		36	0	16.29	16.19	16.29	16.12	16.19	18		
		36	19	16.43	16.20	16.22	16.06	16.02	18		
64QAM	36	39	16.38	16.22	16.15	16.12	16.14	18			
	75	0	16.34	16.24	16.34	16.15	16.16	18			
	1	0	16.42	16.34	16.49	16.09	16.46	18			
	1	37	16.28	16.18	16.20	16.02	16.36	18			
	1	74	16.35	16.38	16.28	16.22	16.17	18			
	36	0	16.26	16.24	16.33	16.28	16.09	18			
20M	QPSK	1	0	16.51	16.28	16.33	16.41	16.42	18		
		1	37	16.52	16.48	16.45	16.42	16.44	18		
		1	74	16.56	16.35	16.34	16.43	16.49	18		
		36	0	16.52	16.23	16.18	16.09	16.22	18		
		36	19	16.42	16.31	16.25	16.15	16.22	18		
		36	39	16.38	16.18	16.28	16.29	16.11	18		
	16QAM	75	0	16.43	16.24	16.39	16.16	16.07	18		
		1	0	16.24	16.40	16.41	16.13	16.20	18		
		1	37	16.35	16.19	16.46	16.21	16.25	18		
		1	74	16.51	16.22	16.06	16.29	16.22	18		
		36	0	16.29	16.19	16.29	16.12	16.19	18		
		36	19	16.43	16.20	16.22	16.06	16.02	18		
64QAM	36	39	16.38	16.22	16.15	16.12	16.14	18			
	75	0	16.34	16.24	16.34	16.15	16.16	18			
	1	0	16.42	16.34	16.49	16.09	16.46	18			
	1										

LTE Band 42 FCC Part70 (Ant3)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tone-up (dBm)	
		Channel Frequency (MHz)	3455	4290	4290	4290		
20M	QPSK	1	0	18.34	18.19	18.30	20	
		1	50	18.38	18.24	18.85	20	
		1	99	18.33	18.16	18.47	20	
		50	0	17.24	17.26	17.35	19	
		50	25	17.29	17.40	17.48	19	
		50	50	17.22	17.27	17.50	19	
	16QAM	1	0	17.26	17.52	17.57	19	
		1	50	17.33	17.34	17.38	19	
		1	99	17.38	17.27	17.47	19	
		50	0	16.34	16.35	16.46	18	
		50	25	16.26	16.29	16.51	18	
		50	50	16.18	16.25	16.38	18	
64QAM	1	0	16.32	16.29	16.42	18		
	1	50	16.24	16.16	16.30	18		
	1	99	16.20	16.31	16.15	18		
	50	0	15.35	15.25	15.45	17		
	50	25	15.24	15.28	15.49	17		
	50	50	15.15	15.22	15.38	17		
15M	QPSK	1	0	15.30	15.19	15.33	17	
		1	0	18.24	18.16	18.21	20	
		1	37	18.29	18.17	18.44	20	
		1	74	18.24	18.14	18.34	20	
		36	0	17.21	17.25	17.24	19	
		36	19	17.26	17.30	17.33	19	
	16QAM	36	39	17.14	17.23	17.48	19	
		75	0	17.23	17.51	17.42	19	
		1	0	17.27	17.20	17.23	19	
		1	37	17.17	17.28	17.42	19	
		1	74	17.23	17.16	17.40	19	
		36	0	16.23	16.27	16.36	18	
64QAM	36	19	16.11	16.19	16.40	18		
	36	39	16.15	16.12	16.28	18		
	75	0	16.19	16.21	16.37	18		
	1	0	16.13	16.15	16.18	18		
	1	37	16.19	16.29	16.09	18		
	1	74	16.12	16.15	16.06	18		
10M	QPSK	1	0	15.27	15.18	15.33	17	
		36	19	15.21	15.13	15.38	17	
		36	39	15.04	15.10	15.37	17	
		75	0	15.27	15.17	15.33	17	
		1	0	18.25	18.12	18.26	20	
		1	24	18.36	18.18	18.47	20	
	16QAM	1	49	18.23	18.12	18.38	20	
		25	0	17.12	17.18	17.22	19	
		25	12	17.23	17.37	17.43	19	
		25	25	17.16	17.21	17.45	19	
		50	0	17.13	17.40	17.56	19	
		1	0	17.29	17.32	17.34	19	
64QAM	1	24	17.24	17.39	17.38	19		
	1	49	17.37	17.21	17.46	19		
	25	0	16.29	16.24	16.45	18		
	25	12	16.18	16.18	16.45	18		
	25	25	16.09	16.22	16.32	18		
	50	0	16.23	16.23	16.30	18		
5M	QPSK	1	0	16.19	16.15	16.20	18	
		1	24	16.08	16.24	16.05	18	
		1	49	16.13	16.18	16.11	18	
		25	0	15.32	15.18	15.44	17	
		25	12	15.13	15.12	15.35	17	
		25	25	15.02	15.21	15.31	17	
	16QAM	50	0	15.20	15.11	15.34	17	
		1	0	18.28	18.10	18.19	20	
		1	12	18.29	18.20	18.41	20	
		1	24	18.30	18.11	18.39	20	
		12	0	17.20	17.16	17.33	19	
		12	6	17.22	17.25	17.46	19	
64QAM	12	13	17.17	17.25	17.46	19		
	25	0	17.21	17.42	17.46	19		
	1	0	17.32	17.23	17.33	19		
	1	12	17.20	17.35	17.38	19		
	1	24	17.38	17.18	17.44	19		
	12	0	16.20	16.29	16.36	18		
10M	QPSK	12	6	16.17	16.27	16.40	18	
		12	13	16.15	16.20	16.38	18	
		25	0	16.30	16.17	16.29	18	
		1	0	16.13	16.08	16.25	18	
		1	12	16.17	16.17	16.13	18	
		1	24	16.06	16.10	16.15	18	
	16QAM	12	0	15.24	15.21	15.42	17	
		12	6	15.21	15.22	15.44	17	
		12	13	15.04	15.13	15.35	17	
		25	0	15.21	15.09	15.26	17	
		1	0	18.20	18.25	18.21	20	
		1	12	18.34	18.29	18.35	20	
5M	QPSK	1	24	18.10	18.10	18.35	20	
		12	0	17.47	17.23	17.18	19	
		12	6	17.27	17.24	17.33	19	
		12	13	17.22	17.34	17.19	19	
		25	0	17.31	17.32	17.33	19	
		1	0	17.20	17.29	17.24	19	
	16QAM	1	12	17.38	17.28	17.34	19	
		1	24	17.16	17.27	17.29	19	
		12	0	16.32	16.29	16.15	18	
		12	6	16.46	16.21	16.15	18	
		12	13	16.34	16.22	16.33	18	
		25	0	16.42	16.32	16.44	18	
10M	QPSK	1	0	16.25	16.20	16.10	18	
		1	24	16.19	16.36	16.28	18	
		1	49	16.27	16.37	16.16	18	
		25	0	15.29	15.19	15.20	17	
		25	12	15.22	15.29	15.18	17	
		25	25	15.27	15.19	15.14	17	
	16QAM	50	0	15.32	15.30	15.28	17	
		1	0	16.20	16.25	16.21	20	
		1	12	18.34	18.29	18.35	20	
		1	24	18.10	18.10	18.35	20	
		12	0	17.47	17.23	17.18	19	
		12	6	17.27	17.24	17.33	19	
5M	QPSK	12	13	17.22	17.34	17.19	19	
		25	0	17.31	17.32	17.33	19	
		1	0	17.20	17.29	17.24	19	
		1	12	17.38	17.28	17.34	19	
		1	24	17.16	17.27	17.29	19	
		12	0	16.32	16.29	16.15	18	
	16QAM	12	6	16.46	16.21	16.15	18	
		12	13	16.34	16.22	16.33	18	
		25	0	16.42	16.32	16.44	18	
		1	0	16.25	16.20	16.10	18	
		1	12	16.28	16.34	16.33	18	
		1	24	16.20	16.32	16.29	18	
10M	QPSK	12	0	15.32	15.25	15.14	17	
		12	6	15.26	15.30	15.21	17	
		12	13	15.24	15.11	15.20	17	
		25	0	15.32	15.21	15.34	17	
		1	0	18.20	18.25	18.21	20	
		1	12	18.34	18.29	18.35	20	
	5M	QPSK	1	0	16.14	16.12	16.27	18
			1	12	18.23	18.32	18.47	20
			1	24	18.24	18.27	18.32	20
			12	0	17.07	17.16	17.36	19
			12	6	17.19	17.25	17.37	19
			12	13	17.18	17.26	17.35	19
16QAM		25	0	17.18	17.30	17.49	19	
		1	0	17.11	17.07	17.33	19	
		1	12	17.31	17.32	17.38	19	
		1	24	17.15	17.26	17.34	19	
		12	0	16.27	16.34	16.33	18	
		12	6	16.20	16.31	16.35	18	
10M	QPSK	12	13	16.17	16.28	16.38	18	
		25	0	16.17	16.23	16.46	18	
		1	0	16.14	16.23	16.28	18	
		1	12	16.27	16.44	16.38	18	
		1	24	16.19	16.33	16.43	18	
		12	0	15.22	15.20	15.38	17	
	16QAM	12	6	15.22	15.27	15.33	17	
		12	13	15.07	15.37	15.26	17	
		25	0	15.11	15.29	15.27	17	
		1	0	18.18	18.23	18.33	20	
		1	12	18.23	18.32	18.43	20	
		1	24	18.24	18.27	18.32	20	
5M	QPSK	1	0	18.22	18.27	18.35	20	
		1	50	18.33	18.34	18.88	20	
		1	99	18.27	18.32	18.46	20	
		50	0	17.20	17.27	17.44	19	
		50	25	17.33	17.36	17.48	19	
		50	50	17.28	17.34	17.41	19	
	16QAM	100	0	17.25	17.37	17.51	19	
		1	0	17.22	17.20	17.40	19	
		1	50	17.33	17.47	17.44	19	
		1	99	17.19	17.26	17.43	19	
		50	0	16.34	16.37	16.40	18	
		50	25	16.26	16.34	16.50	18	
64QAM	50	50	16.31	16.43	16.42	18		
	100	0	16.18	16.35	16.47	18		
	1	0	16.19	16.24	16.38	18		
	1	50	16.32	16.46	16.32	18		
	1	99	16.20	16.38	16.45	18		
	50	0	15.30	15.34	15.40	17		
10M	QPSK	50	25	15.29	15.48	15.29	17	
		100	0	15.23	15.42	15.34	17	
		1	0	18.15	18.20	18.30	20	
		1	37	18.26	18.27	18.57	20	
		1	74	18.21	18.19	18.45	20	
		36	0	17.06	17.15	17.40	19	
	16QAM	36	19	17.25	17.28	17.47	19	
		36	39	17.23	17.20	17.38	19	
		75	0	17.21	17.28	17.45	19	
		1	0	17.21	17.11	17.39	19	
		1	37	17.31	17.40	17.39	19	
		1	74	17.17	17.24	17.35	19	
64QAM	36	0	16.26	16.30	16.28	18		
	36	19	16.25	16.29	16.47	18		
	36	39	16.26	16.32	16.34	18		
	75	0	16.04	16.24	16.38	18		
	1	0						

LTE Band 17 (Ant4)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	23780	23790	23800			
10M	QPSK	1	0	24.06	24.07	24.12	25	
		1	24	24.02	24.04	23.98	25	
		1	49	23.99	23.98	24.02	25	
		25	0	23.00	23.01	22.94	24	
		25	12	23.06	23.03	23.09	24	
		25	25	23.02	22.98	22.94	24	
		50	0	22.98	23.02	23.05	24	
		1	0	23.31	23.34	23.29	24	
		1	24	23.29	23.30	23.19	24	
		1	49	23.21	23.27	23.32	24	
	25	0	21.98	21.98	21.95	23		
	25	12	22.02	22.01	22.09	23		
	25	25	22.05	21.93	21.97	23		
	50	0	21.98	21.98	21.96	23		
	16QAM	1	0	22.23	22.20	22.18	23	
		1	24	22.20	22.19	22.07	23	
		1	49	22.13	22.20	22.22	23	
		25	0	20.98	20.96	20.95	22	
		25	12	21.08	21.05	21.01	22	
		25	25	21.02	20.98	20.86	22	
		50	0	20.99	20.95	20.94	22	
		64QAM	1	0	22.23	22.20	22.18	23
			1	24	22.20	22.19	22.07	23
			1	49	22.13	22.20	22.22	23
	25		0	20.98	20.96	20.95	22	
25	12		21.08	21.05	21.01	22		
25	25		21.02	20.98	20.86	22		
50	0		20.99	20.95	20.94	22		
BW	Modulation		Channel	23765	23790	23825	Max. Tune-up (dBm)	
5M	QPSK		1	0	24.02	23.95	24.07	25
			1	12	23.92	24.01	23.84	25
		1	24	23.84	23.95	23.98	25	
		12	0	22.98	23.00	22.93	24	
		12	6	23.01	22.94	22.99	24	
		12	13	23.00	22.90	22.89	24	
		25	0	22.97	22.90	23.04	24	
		1	0	23.18	23.30	23.21	24	
		1	12	23.17	23.23	23.12	24	
		1	24	23.19	23.24	23.19	24	
	12	0	21.90	21.94	21.94	23		
	12	6	21.93	21.87	21.99	23		
	12	13	22.02	21.78	21.91	23		
	25	0	21.84	21.85	21.84	23		
	1	0	22.13	22.19	22.09	23		
	1	12	22.12	22.15	22.03	23		
	1	24	22.05	22.18	22.07	23		
	12	0	20.84	20.83	20.83	22		
	12	6	21.07	21.03	20.99	22		
	12	13	20.90	20.89	20.79	22		
	25	0	20.89	20.81	20.80	22		

LTE Band 26 (Ant4)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	26765	26865	26965			
15M	QPSK	1	0	23.08	23.23	23.11	24	
		1	37	22.96	22.99	22.88	24	
		1	74	23.02	23.09	22.91	24	
		36	0	22.85	22.97	22.84	24	
		36	19	22.62	22.67	22.58	24	
		36	39	22.66	22.79	22.56	24	
		75	0	22.67	22.77	22.64	24	
		1	0	22.98	22.97	22.88	24	
		1	37	23.04	22.74	22.85	24	
		1	74	22.87	22.84	22.80	24	
	36	0	21.86	21.90	21.91	23		
	36	19	21.77	21.74	21.81	23		
	36	39	21.72	21.83	21.76	23		
	75	0	21.66	21.78	21.78	23		
	16QAM	1	0	22.00	21.88	21.94	23	
		1	37	22.04	21.99	21.95	23	
		1	74	21.88	21.77	21.82	23	
		36	0	20.77	20.84	20.98	22	
		36	19	20.78	20.79	20.74	22	
		36	39	20.88	20.85	20.80	22	
		75	0	20.68	20.93	20.86	22	
		64QAM	1	0	22.00	21.88	21.94	23
			1	37	22.04	21.99	21.95	23
			1	74	21.88	21.77	21.82	23
	36		0	20.77	20.84	20.98	22	
36	19		20.78	20.79	20.74	22		
36	39		20.88	20.85	20.80	22		
75	0		20.68	20.93	20.86	22		
BW	Modulation		Channel	26740	26865	26990	Max. Tune-up (dBm)	
10M	QPSK		1	0	23.04	23.08	22.97	24
			1	24	22.89	22.96	22.77	24
		1	49	22.88	23.08	22.78	24	
		25	0	22.81	22.77	22.61	24	
		25	12	22.47	22.64	22.47	24	
		25	25	22.52	22.69	22.48	24	
		50	0	22.47	22.68	22.63	24	
		1	0	22.97	22.90	22.85	24	
		1	24	23.00	22.86	23.03	24	
		1	49	22.78	22.75	22.79	24	
	25	0	21.83	21.84	21.78	23		
	25	12	21.70	21.64	21.76	23		
	25	25	21.70	21.81	21.73	23		
	50	0	21.59	21.65	21.68	23		
	16QAM	1	0	21.68	21.79	21.68	23	
		1	24	21.92	21.97	21.83	23	
		1	49	21.81	21.73	21.68	23	
		25	0	20.84	20.77	20.83	22	
		25	12	20.64	20.74	20.71	22	
		25	25	20.59	20.81	20.71	22	
		50	0	20.59	20.91	20.82	22	
		64QAM	1	0	21.68	21.79	21.68	23
			1	24	21.92	21.97	21.83	23
			1	49	21.81	21.73	21.68	23
	25		0	20.84	20.77	20.83	22	
25	12		20.64	20.74	20.71	22		
25	25		20.59	20.81	20.71	22		
50	0		20.59	20.91	20.82	22		
BW	Modulation		Channel	26715	26865	27015	Max. Tune-up (dBm)	
5M	QPSK		1	0	23.04	23.13	22.96	24
			1	12	22.83	22.86	22.87	24
		1	24	22.99	23.04	22.90	24	
		12	0	22.84	22.86	22.61	24	
		12	6	22.59	22.63	22.51	24	
		12	13	22.55	22.77	22.41	24	
		25	0	22.50	22.74	22.57	24	
		1	0	22.92	22.82	22.77	24	
		1	12	23.01	22.63	23.03	24	
		1	24	22.77	22.81	22.69	24	
	12	0	21.71	21.84	21.69	23		
	12	6	21.74	21.70	21.66	23		
	12	13	21.62	21.75	21.73	23		
	25	0	21.62	21.72	21.74	23		
	16QAM	1	0	21.85	21.85	21.84	23	
		1	12	21.93	21.88	21.88	23	
		1	24	21.74	21.88	21.72	23	
		12	0	20.84	20.70	20.88	22	
		12	6	20.76	20.67	20.70	22	
		12	13	20.79	20.81	20.72	22	
		25	0	20.59	20.89	20.77	22	
		64QAM	1	0	21.85	21.85	21.84	23
			1	12	21.93	21.88	21.88	23
			1	24	21.74	21.88	21.72	23
	12		0	20.84	20.70	20.88	22	
12	6		20.76	20.67	20.70	22		
12	13		20.79	20.81	20.72	22		
25	0		20.59	20.89	20.77	22		
BW	Modulation		Channel	26705	26865	27025	Max. Tune-up (dBm)	
3M	QPSK		1	0	23.04	23.03	23.10	24
			1	7	22.84	22.91	22.83	24
		1	14	23.00	22.96	22.90	24	
		8	0	22.77	22.74	22.55	24	
		8	3	22.52	22.58	22.46	24	
		8	7	22.59	22.76	22.55	24	
		15	0	22.53	22.71	22.55	24	
		1	0	22.86	22.87	22.77	24	
		1	7	23.01	22.63	22.97	24	
		1	14	22.77	22.77	22.75	24	
	8	0	21.71	21.86	21.79	23		
	8	3	21.76	21.73	21.76	23		
	8	7	21.63	21.73	21.74	23		
	15	0	21.68	21.74	21.71	23		
	16QAM	1	0	21.95	21.80	21.83	23	
		1	7	21.92	21.92	21.92	23	
		1	14	21.76	21.69	21.79	23	
		8	0	20.73	20.83	20.87	22	
		8	3	20.74	20.74	20.71	22	
		8	7	20.77	20.91	20.68	22	
		15	0	20.59	20.80	20.84	22	
		64QAM	1	0	21.78	21.61	21.69	23
			1	2	21.83	21.84	21.77	23
			1	5	21.59	21.37	21.62	23
	3		0	21.64	21.58	21.71	23	
3	1		21.64	21.62	21.52	23		
3	3		21.63	21.73	21.52	23		
6	0		20.42	20.62	20.82	22		
BW	Modulation		Channel	26697	26865	27033	Max. Tune-up (dBm)	
1.4M	QPSK		1	0	22.92	22.95	22.81	24
			1	2	22.67	22.89	22.77	24
		1	5	22.62	22.83	22.79	24	
		3	0	22.85	22.59	22.72	24	
		3	1	22.50	22.58	22.56	24	
		3	3	22.61	22.69	22.56	24	
		6	0	22.39	22.62	22.66	24	
		1	0	22.89	22.75	22.65	24	
		1	2	22.92	22.92	22.89	24	
		1	5	22.88	22.76	22.66	24	
	3	0	22.79	22.70	22.65	24		
	3	1	22.69	22.50	22.53	24		
	3	3	22.47	22.77	22.66	24		
	6	0	21.42	21.43	21.59	23		
	16QAM	1	0	21.78	21.61	21.69	23	
		1	2	21.83	21.84	21.77	23	
		1	5	21.59	21.37	21.62	23	
		3	0	21.64	21.58	21.71	23	
		3	1					

LTE Band 41 (Ant4)											
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Max. Tune-up (dBm)		
		Channel	39750	49185	40620	41955	41490				
20M	QPSK	Frequency (MHz)	2595	2595.5	2595	2595.5	2595	2595.5	2595	18	
		1	0	16.74	16.39	16.52	16.34	16.27	16.37	18	
		1	99	16.61	16.34	16.36	16.19	16.42	16.42	18	
		50	0	16.43	16.37	16.40	16.28	16.29	16.18	18	
		50	25	16.34	16.20	16.35	16.24	16.28	16.18	18	
		50	50	16.36	16.32	16.34	16.32	16.25	16.18	18	
		100	0	16.53	16.30	16.47	16.24	16.20	16.18	18	
		1	0	16.52	16.38	16.46	16.26	16.23	16.18	18	
		1	50	16.41	16.32	16.47	16.21	16.27	16.18	18	
		1	99	16.46	16.16	16.31	16.18	16.26	16.18	18	
	16QAM	50	0	16.51	16.29	16.49	16.24	16.28	16.18	18	
		50	25	16.46	16.30	16.42	16.24	16.26	16.18	18	
		50	50	16.49	16.29	16.37	16.13	16.13	16.18	18	
		100	0	16.46	16.27	16.47	16.20	16.26	16.18	18	
		1	0	16.34	16.28	16.49	16.25	16.10	16.18	18	
		1	50	16.43	16.12	16.35	16.13	16.22	16.18	18	
		1	99	16.20	16.18	16.17	16.28	16.14	16.18	18	
		50	0	16.48	16.27	16.37	16.20	16.33	16.18	18	
		50	25	16.49	16.23	16.36	16.13	16.20	16.18	18	
		50	50	16.48	16.22	16.31	16.31	16.29	16.18	18	
	64QAM	100	0	16.41	16.20	16.43	16.22	16.12	16.18	18	
		Channel	39750	49175	40620	41980	41490	41985	41985	Max. Tune-up (dBm)	
		Frequency (MHz)	2595.5	2595.5	2595.5	2595.5	2595.5	2595.5	2595.5	18	
		1	0	16.72	16.35	16.37	16.28	16.30	16.30	18	
1		37	16.59	16.30	16.46	16.12	16.22	16.18	18		
1		74	16.49	16.22	16.23	16.17	16.30	16.18	18		
36		0	16.35	16.25	16.37	16.23	16.20	16.18	18		
36		19	16.33	16.05	16.33	16.10	16.13	16.18	18		
36		39	16.24	16.30	16.26	16.29	16.21	16.18	18		
75		0	16.47	16.28	16.36	16.27	16.18	16.18	18		
15M	16QAM	1	0	16.50	16.36	16.39	16.23	16.15	16.18	18	
		1	37	16.31	16.24	16.43	16.09	16.14	16.18	18	
		1	74	16.37	16.07	16.19	16.12	16.13	16.18	18	
		36	0	16.43	16.21	16.45	16.21	16.22	16.18	18	
		36	19	16.38	16.28	16.36	16.21	16.21	16.18	18	
		36	39	16.35	16.14	16.25	16.09	16.05	16.18	18	
		75	0	16.33	16.22	16.36	16.05	16.14	16.18	18	
		1	1	0	16.23	16.21	16.30	16.22	16.02	16.18	18
		1	37	16.35	16.11	16.23	16.12	16.21	16.18	18	
		1	74	16.06	16.07	16.09	16.25	16.03	16.18	18	
64QAM	36	0	16.42	16.18	16.23	16.15	16.25	16.18	18		
	36	19	16.45	16.14	16.26	16.08	16.17	16.18	18		
	36	39	16.40	16.07	16.16	16.16	16.24	16.18	18		
	75	0	16.36	16.08	16.33	16.12	16.11	16.18	18		
	Channel	39750	49190	40620	41985	41540	41540	Max. Tune-up (dBm)			
	Frequency (MHz)	2591	2547	2593	2539	2585	2585	18			
	1	0	16.73	16.44	16.38	16.28	16.32	16.18	18		
	1	24	16.54	16.38	16.38	16.20	16.29	16.18	18		
	1	49	16.51	16.27	16.28	16.09	16.35	16.18	18		
	25	0	16.31	16.36	16.25	16.19	16.22	16.18	18		
10M	QPSK	25	12	16.19	16.14	16.22	16.14	16.17	16.18	18	
		25	25	16.25	16.27	16.27	16.17	16.17	16.18	18	
		25	0	16.47	16.19	16.40	16.11	16.13	16.18	18	
		1	0	16.49	16.35	16.42	16.22	16.10	16.18	18	
		1	24	16.29	16.26	16.38	16.06	16.15	16.18	18	
		1	49	16.40	16.08	16.23	16.12	16.25	16.18	18	
		25	0	16.50	16.28	16.44	16.14	16.18	16.18	18	
		25	12	16.32	16.24	16.35	16.10	16.13	16.18	18	
		25	25	16.47	16.25	16.28	16.08	16.04	16.18	18	
		50	0	16.41	16.21	16.37	16.16	16.17	16.18	18	
64QAM	1	0	16.20	16.16	16.36	16.19	16.01	16.18	18		
	1	24	16.36	16.06	16.24	16.08	16.13	16.18	18		
	1	49	16.17	16.16	16.13	16.23	16.11	16.18	18		
	25	0	16.43	16.15	16.32	16.16	16.27	16.18	18		
	25	12	16.40	16.15	16.31	16.12	16.19	16.18	18		
	25	25	16.45	16.17	16.23	16.20	16.16	16.18	18		
	50	0	16.40	16.09	16.32	16.18	16.04	16.18	18		
	Channel	39875	49148	40620	41993	41865	41865	Max. Tune-up (dBm)			
	Frequency (MHz)	2488.5	2546.8	2593	2640.3	2687.5	2687.5	18			
	1	0	16.65	16.32	16.43	16.20	16.34	16.18	18		
1	12	16.58	16.28	16.38	16.17	16.25	16.18	18			
1	24	16.50	16.20	16.30	16.18	16.38	16.18	18			
12	0	16.33	16.32	16.37	16.13	16.27	16.18	18			
12	6	16.31	16.12	16.26	16.10	16.17	16.18	18			
12	13	16.32	16.19	16.23	16.26	16.19	16.18	18			
25	0	16.42	16.16	16.37	16.23	16.14	16.18	18			
5M	16QAM	1	0	16.37	16.37	16.45	16.24	16.13	16.18	18	
		1	12	16.26	16.31	16.38	16.10	16.18	16.18	18	
		1	24	16.35	16.03	16.23	16.03	16.12	16.18	18	
		12	0	16.41	16.24	16.43	16.10	16.14	16.18	18	
		12	6	16.41	16.29	16.28	16.16	16.16	16.18	18	
		12	13	16.38	16.16	16.30	16.10	16.06	16.18	18	
		25	0	16.39	16.22	16.41	16.13	16.12	16.18	18	
		1	0	16.26	16.14	16.30	16.11	16.06	16.18	18	
		1	12	16.38	16.09	16.29	16.03	16.10	16.18	18	
		1	24	16.16	16.03	16.09	16.14	16.08	16.18	18	
64QAM	12	0	16.36	16.18	16.25	16.13	16.23	16.18	18		
	12	6	16.47	16.21	16.24	16.15	16.13	16.18	18		
	12	13	16.33	16.11	16.29	16.28	16.28	16.18	18		
	25	0	16.27	16.19	16.30	16.17	16.09	16.18	18		

LTE Band 66 (Ant4)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)		
		Channel	132072	132322	132872				
20M	QPSK	Frequency (MHz)	1720	1745	1775	1775	17.5		
		1	0	16.76	16.19	16.23	16.23	17.5	
		1	50	16.38	16.36	16.25	16.15	17.5	
		1	99	16.32	16.18	16.16	16.15	17.5	
		50	0	16.22	16.12	16.04	16.15	17.5	
		50	25	16.16	16.09	16.16	16.15	17.5	
		50	50	16.32	16.18	16.14	16.14	17.5	
		100	0	16.22	16.14	16.06	16.15	17.5	
		1	0	16.37	16.11	16.06	16.15	17.5	
		1	50	16.14	16.14	16.34	16.14	17.5	
	16QAM	1	99	16.17	16.07	16.15	16.15	17.5	
		50	0	16.17	16.13	16.08	16.15	17.5	
		50	25	16.10	16.14	16.06	16.15	17.5	
		50	50	16.13	16.12	16.06	16.15	17.5	
		100	0	16.00	16.08	16.06	16.15	17.5	
		1	0	16.27	16.11	16.06	16.15	17.5	
		1	50	16.28	16.20	16.20	16.15	17.5	
		1	99	16.07	16.09	16.19	16.15	17.5	
		50	0	16.16	16.26	16.06	16.15	17.5	
		50	25	16.05	16.29	16.01	16.15	17.5	
	64QAM	50	50	16.25	16.20	16.20	16.15	17.5	
		100	0	16.32	16.12	16.05	16.15	17.5	
		Channel	132047	132447	132822	132867	Max. Tune-up (dBm)		
		Frequency (MHz)	1717.5	1745	1772.5	1772.5	17.5		
1		0	16.04	16.14	16.02	16.15	17.5		
1		37	16.27	16.26	16.20	16.15	17.5		
1		74	16.29	16.11	16.02	16.15	17.5		
36		0	16.09	15.98	15.94	16.15	17.5		
36		19	16.11	15.97	16.07	16.15	17.5		
36		39	16.27	16.10	16.04	16.15	17.5		
15M	16QAM	75	0	16.27	16.18	16.02	16.15	17.5	
		1	0	16.16	16.02	15.94	16.15	17.5	
		1	37	16.00	16.30	16.13	16.15	17.5	
		1	74	16.13	16.01	16.03	16.15	17.5	
		36	0	16.08	16.12	16.14	16.15	17.5	
		36	19	15.97	16.11	16.05	16.15	17.5	
		36	39	16.11	16.08	16.09	16.15	17.5	
		75	0	16.07	16.04	16.06	16.15	17.5	
		1	1	0	16.16	15.97	15.94	16.15	17.5
		1	37	16.23	16.15	16.07	16		

LTE_Ant5 DS1 Power

LTE Band 42 FCC Part27Q (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	4290	4290	
				Frequency (MHz)	3460	3500	3540
20M	QPSK	50	0	16.83	16.85	16.92	18.5
				16.95	16.98	17.11	18.5
				16.77	16.85	16.94	18.5
				16.95	17.01	17.05	18.5
				16.85	16.86	16.83	18.5
	16QAM	50	0	16.83	16.74	16.82	18.5
				16.88	16.81	16.80	18.5
				16.80	16.84	16.79	18.5
				16.74	16.75	16.72	18.5
				16.78	16.80	16.71	18.5
64QAM	50	0	16.76	16.82	16.80	18.5	
			16.88	16.81	16.80	18.5	
			16.80	16.84	16.79	18.5	
			16.74	16.73	16.67	18.5	
			16.86	16.78	16.70	18.5	
15M	QPSK	36	0	16.83	16.85	16.80	18.5
				16.94	16.79	16.99	18.5
				16.62	16.70	16.88	18.5
				16.84	16.71	16.70	18.5
				16.88	16.80	16.79	18.5
	16QAM	36	0	16.74	16.73	16.64	18.5
				16.90	16.85	16.81	18.5
				16.85	16.75	16.75	18.5
				16.69	16.73	16.78	18.5
				16.82	16.82	16.92	18.5
64QAM	36	0	16.81	16.71	16.71	18.5	
			16.85	16.85	16.75	18.5	
			16.69	16.78	16.77	18.5	
			16.72	16.76	16.74	18.5	
			16.83	16.88	16.85	18.5	
10M	QPSK	25	0	16.88	16.83	16.85	18.5
				16.91	16.89	16.91	18.5
				16.87	16.76	16.84	18.5
				16.89	16.80	16.82	18.5
				16.89	16.88	16.82	18.5
	16QAM	25	0	16.76	16.73	16.79	18.5
				16.82	16.82	16.82	18.5
				16.87	16.83	16.76	18.5
				16.87	16.87	16.89	18.5
				16.82	16.82	16.82	18.5
64QAM	25	0	16.81	16.81	16.81	18.5	
			16.85	16.85	16.85	18.5	
			16.69	16.78	16.77	18.5	
			16.72	16.76	16.74	18.5	
			16.83	16.88	16.85	18.5	
5M	QPSK	12	0	16.87	16.87	16.87	18.5
				16.88	16.78	17.03	18.5
				16.71	16.77	16.91	18.5
				16.88	17.00	16.93	18.5
				16.78	16.74	16.71	18.5
	16QAM	12	0	16.83	16.81	16.74	18.5
				16.82	16.72	16.79	18.5
				16.87	16.83	16.76	18.5
				16.87	16.87	16.89	18.5
				16.82	16.82	16.82	18.5
64QAM	12	0	16.84	16.76	16.80	18.5	
			16.89	16.86	16.83	18.5	
			16.77	16.73	16.67	18.5	
			16.69	16.82	16.86	18.5	
			16.87	16.76	16.84	18.5	
2.5M	QPSK	6	0	16.70	16.59	16.81	18.5
				17.00	16.88	16.84	18.5
				16.80	16.77	17.10	18.5
				16.88	16.74	16.79	18.5
				16.94	17.00	16.95	18.5
	16QAM	6	0	16.85	16.79	16.73	18.5
				16.76	16.80	16.75	18.5
				16.84	16.75	16.86	18.5
				16.87	16.83	16.85	18.5
				16.85	16.85	16.81	18.5
64QAM	6	0	16.77	16.64	16.61	18.5	
			16.84	16.61	16.77	18.5	
			16.64	16.78	16.79	18.5	
			16.81	16.71	16.72	18.5	
			16.85	16.72	16.87	18.5	

LTE Band 42 FCC Part96 (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	4390	4340	
				Frequency (MHz)	3560	3575	3590
20M	QPSK	50	0	16.88	17.01	16.90	18.5
				17.01	17.02	17.07	18.5
				16.88	16.92	16.85	18.5
				16.88	16.88	16.93	18.5
				16.89	16.94	16.91	18.5
	16QAM	50	0	16.79	16.80	16.70	18.5
				16.76	16.86	16.86	18.5
				17.02	16.95	16.86	18.5
				16.99	16.99	16.84	18.5
				16.85	16.96	16.93	18.5
64QAM	50	0	16.87	16.87	16.89	18.5	
			16.70	16.76	16.90	18.5	
			16.82	16.77	16.70	18.5	
			16.73	16.89	16.77	18.5	
			16.82	16.80	16.76	18.5	
15M	QPSK	36	0	16.82	16.87	16.73	18.5
				16.83	16.95	16.79	18.5
				16.92	16.93	16.99	18.5
				16.75	16.88	16.74	18.5
				16.84	16.74	16.82	18.5
	16QAM	36	0	16.74	16.72	16.86	18.5
				16.89	16.85	16.59	18.5
				16.78	16.70	16.90	18.5
				16.89	16.81	16.79	18.5
				16.82	16.82	16.82	18.5
64QAM	36	0	16.88	16.79	16.61	18.5	
			16.79	16.52	16.56	18.5	
			16.56	16.62	16.76	18.5	
			16.77	16.75	16.83	18.5	
			16.84	16.81	16.85	18.5	
10M	QPSK	25	0	16.74	16.71	16.73	18.5
				16.76	16.87	16.78	18.5
				16.83	16.83	16.85	18.5
				16.83	16.79	16.79	18.5
				16.83	16.83	16.83	18.5
	16QAM	25	0	17.00	16.91	16.80	18.5
				16.84	16.95	16.83	18.5
				16.75	16.82	16.80	18.5
				16.72	16.76	16.80	18.5
				16.84	16.72	16.91	18.5
64QAM	25	0	16.81	16.88	16.79	18.5	
			16.93	16.88	16.79	18.5	
			16.79	16.79	16.86	18.5	
			16.82	16.82	16.82	18.5	
			16.82	16.82	16.82	18.5	
5M	QPSK	12	0	16.74	16.86	16.75	18.5
				16.87	16.84	17.02	18.5
				16.79	16.88	16.70	18.5
				16.97	16.83	16.83	18.5
				16.80	16.88	16.80	18.5
	16QAM	12	0	16.74	16.67	16.80	18.5
				16.83	16.83	16.79	18.5
				16.97	16.92	16.76	18.5
				16.81	16.81	16.84	18.5
				16.86	16.86	16.87	18.5
64QAM	12	0	16.86	16.80	16.67	18.5	
			16.72	16.72	16.63	18.5	
			16.64	16.69	16.83	18.5	
			16.88	16.82	16.84	18.5	
			16.96	16.84	16.66	18.5	

LTE Band 48 (Ant5)									
BW	MCS Index	RB Size	RB Offset	Low	Low Mid	High Mid	High	Max. Tune-up (dBm)	
				Channel	5340	5380	5410		5440
				Frequency (MHz)	3560	3569	3619	3660	
20M	QPSK	50	0	16.93	16.98	16.78	18.5		
				16.96	16.95	16.96	18.5		
				16.97	16.83	16.76	18.5		
				16.94	16.82	16.87	18.5		
				16.90	16.89	16.71	18.5		
	16QAM	50	0	16.95	16.86	16.87	18.5		
				16.70	16.79	16.71	18.5		
				16.82	16.75	16.70	18.5		
				16.76	16.83	16.82	18.5		
				16.74	16.70	16.67	18.5		
64QAM	50	0	16.95	16.86	16.87	18.5			
			16.71	16.77	16.89	18.5			
			16.76	16.73	16.87	18.5			
			16.82	16.77	16.82	18.5			
			16.84	16.80	16.74	18.5			
15M	QPSK	36	0	16.80	16.70	16.65	18.5		
				16.81	16.86	16.67	18.5		
				16.82	16.80	16.83	18.5		
				16.83	16.83	16.83	18.5		
				16.83	16.83	16.83	18.5		
	16QAM	36	0	16.80	16.79	16.84	18.5		
				16.89	16.73	16.87	18.5		
				16.81	16.81	16.81	18.5		
				16.82	16.82	16.82	18.5		
				16.82	16.82	16.82	18.5		
64QAM	36	0	16.87	16.79	16.56	18.5			
			16.58	16.72	16.83	18.5			
			16.74	16.81	16.72	18.5			
			16.78	16.72	16.89	18.5			
			16.84	16.84	16.88	18.5			
10M	QPSK	25	0	16.86	16.81	16.87	18.5		
				16.86	16.81	16.87	18.5		
				16.86	16.81	16.87	18.5		
				16.86	16.81	16.87	18.5		
				16.86	16.81	16.87	18.5		
	16QAM	25	0	16.86	16.80	16.82	18.5		
				16.86	16.80	16.82	18.5		
				16.86	16.80	16.82	18.5		
				16.86	16.80	16.82	18.5		
				16.86	16.80	16.82	18.5		
64QAM	25	0	16.86	16.80	16.82	18.5			
			16.86	16.80	16.82	18.5			
			16.86	16.80	16.82	18.5			
			16.86	16.80	16.82	18.5			
			16.86	16.80	16.82	18.5			
5M	QPSK	12	0	16.81	16.84	16.70	18.5		
				16.84	16.84	16.79	18.5		
				16.84	16.84	16.79	18.5		
				16.84	16.84	16.79	18.5		
				16.84	16.84	16.79	18.5		
	16QAM	12	0	16.81	16.84	16.70	18.5		
				16.84	16.84	16.79	18.5		
				16.84	16.84	16.79	18.5		
				16.84	16.84	16.79	18.5		
				16.84	16.84	16.79	18.5		
64QAM	12	0	16.81	16.84	16.70	18.5			
			16.84	16.84	16.79	18.5			
			16.84	16.84	16.79	18.5			
			16.84	16.84	16.79	18.5			
			16.84	16.84	16.79	18.5			

LTE Ant7 DSH1 Power

BW	Modulation	LTE Band 41 (2496 ~ 2690MHz)								
		RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Max. Turn-up (dBm)	
		Channel	Frequency (MHz)	3975	4185	4395	4595	4795	4995	
20M	QPSK	1	0	18.51	18.39	18.27	18.15	18.03	20	
		1	50	18.66	18.51	18.47	18.46	18.54	20	
		1	99	18.45	18.33	18.40	18.36	18.52	20	
		50	0	18.24	18.43	18.35	18.24	18.22	20	
		50	25	18.54	18.46	18.38	18.35	18.33	20	
		50	50	18.50	18.31	18.29	18.24	18.24	20	
	16QAM	100	0	18.55	18.44	18.40	18.41	18.23	20	
		1	0	18.37	18.48	18.46	18.36	18.39	20	
		1	50	18.50	18.42	18.46	18.49	18.30	20	
		50	25	18.50	18.31	18.38	18.46	18.24	20	
		50	0	17.51	17.44	17.48	17.32	17.30	19	
		50	25	17.51	17.33	17.40	17.28	17.23	19	
64QAM	100	0	17.37	17.45	17.44	17.32	17.25	19		
	1	0	17.50	17.49	17.49	17.29	17.60	19		
	1	50	17.50	17.29	17.32	17.21	17.50	19		
	1	99	17.46	17.54	17.55	17.29	17.40	19		
	50	0	16.31	16.38	16.45	16.41	16.32	18		
	50	25	16.50	16.31	16.38	16.26	16.26	18		
	50	50	16.40	16.20	16.35	16.33	16.29	18		
	100	0	16.37	16.43	16.39	16.35	16.23	18		
	15M	QPSK	1	0	18.53	18.37	18.22	18.24	18.24	20
			1	37	18.53	18.43	18.33	18.24	18.42	20
			1	74	18.35	18.30	18.30	18.21	18.39	20
			36	0	18.18	18.28	18.29	18.14	18.19	20
36			19	18.42	18.37	18.27	18.24	18.19	20	
36			39	18.48	18.26	18.38	18.16	18.20	20	
16QAM		75	0	18.54	18.34	18.30	18.34	18.21	20	
		1	0	18.36	18.33	18.31	18.32	18.38	20	
		1	37	18.48	18.41	18.42	18.40	18.22	20	
		1	74	18.44	18.22	18.21	18.33	18.11	20	
		36	0	17.46	17.33	17.34	17.29	17.28	19	
		36	19	17.46	17.19	17.34	17.23	17.21	19	
64QAM	36	39	17.53	17.19	17.44	17.14	17.25	19		
	75	0	17.30	17.39	17.38	17.31	17.11	19		
	1	0	17.38	17.44	17.48	17.31	17.41	19		
	1	37	17.44	17.15	17.30	17.10	17.41	19		
	1	74	17.38	17.46	17.54	17.14	17.25	19		
	36	0	16.16	16.30	16.32	16.26	16.30	18		
	36	19	16.35	16.21	16.25	16.27	16.18	18		
	36	39	16.36	16.21	16.31	16.28	16.16	18		
	75	0	16.23	16.39	16.33	16.22	16.12	18		
	5M	QPSK	1	0	18.51	18.39	18.30	18.23	18.27	20
			1	12	18.53	18.37	18.52	18.44	18.39	20
			1	24	18.34	18.30	18.29	18.24	18.41	20
1			49	18.30	18.21	18.33	18.30	18.42	20	
25			0	18.13	18.31	18.25	18.18	18.16	20	
25			12	18.43	18.42	18.33	18.25	18.20	20	
16QAM		25	25	18.47	18.16	18.16	18.16	18.19	20	
		50	0	18.46	18.37	18.37	18.27	18.08	20	
		1	0	18.29	18.45	18.35	18.35	18.29	20	
		1	24	18.41	18.34	18.35	18.48	18.23	20	
		1	49	18.37	18.31	18.24	18.38	18.19	20	
		25	0	17.41	17.29	17.29	17.29	17.16	19	
64QAM	25	12	17.48	17.31	17.25	17.14	17.17	19		
	25	25	17.55	17.06	17.41	17.18	17.27	19		
	50	0	17.32	17.42	17.35	17.19	17.16	19		
	1	0	17.36	17.38	17.42	17.23	17.58	19		
	1	24	17.38	17.27	17.22	17.10	17.42	19		
	1	49	17.32	17.52	17.46	17.19	17.30	19		
	25	0	16.16	16.26	16.31	16.36	16.27	18		
	25	12	16.44	16.27	16.25	16.19	16.11	18		
	25	25	16.25	16.22	16.24	16.24	16.28	18		
	50	0	16.31	16.28	16.24	16.29	16.12	18		
	20M	QPSK	1	0	18.42	18.39	18.23	18.27	18.27	20
			1	12	18.53	18.37	18.52	18.44	18.39	20
1			24	18.34	18.30	18.29	18.24	18.41	20	
12			0	18.20	18.32	18.20	18.16	18.18	20	
12			6	18.42	18.31	18.23	18.27	18.24	20	
12			13	18.43	18.16	18.28	18.17	18.10	20	
16QAM		25	0	18.51	18.42	18.36	18.29	18.20	20	
		1	0	18.28	18.43	18.40	18.22	18.32	20	
		1	12	18.40	18.29	18.42	18.44	18.29	20	
		1	24	18.50	18.30	18.29	18.32	18.21	20	
		12	0	17.44	17.37	17.44	17.31	17.23	19	
		12	6	17.45	17.29	17.36	17.16	17.13	19	
64QAM	12	13	17.59	17.19	17.31	17.13	17.26	19		
	25	0	17.34	17.30	17.29	17.28	17.21	19		
	1	0	17.41	17.42	17.34	17.23	17.49	19		
	1	12	17.48	17.14	17.26	17.14	17.45	19		
	1	24	17.32	17.52	17.47	17.18	17.29	19		
	12	0	16.27	16.32	16.39	16.32	16.19	18		
	12	6	16.43	16.16	16.36	16.27	16.19	18		
	12	13	16.25	16.21	16.27	16.26	16.28	18		
	25	0	16.28	16.39	16.25	16.24	16.09	18		

BW	MCS Index	LTE Band 42 (ENDC Only) FCC Part27 (Ant)						
		RB Size	RB Offset	Low	Mid	High	Max. Turn-up (dBm)	
		Channel	Frequency (MHz)	42195	42590	42990	43395	
20M	QPSK	1	0	18.90	18.78	18.92	20.5	
		1	50	19.12	18.90	18.97	20.5	
		1	99	18.91	18.76	18.76	20.5	
		50	0	19.01	18.79	18.96	20.5	
		50	25	19.07	18.99	19.03	20.5	
		50	50	18.92	18.74	18.99	20.5	
	16QAM	100	0	18.98	18.75	18.96	20.5	
		1	0	18.89	18.88	19.10	20.5	
		1	50	19.02	18.93	18.97	20.5	
		50	25	17.97	17.90	17.91	19.5	
		50	0	19.01	18.78	19.04	20.5	
		50	25	19.05	19.07	18.92	20.5	
64QAM	50	50	19.03	18.80	18.91	20.5		
	100	0	18.96	18.78	18.90	20.5		
	1	0	18.85	18.96	18.97	20.5		
	1	50	18.84	18.88	18.92	20.5		
	1	99	18.77	18.84	18.82	20.5		
	50	0	18.00	17.92	18.04	19.5		
	50	25	17.97	17.90	17.91	19.5		
	50	50	17.92	17.88	17.95	19.5		
	100	0	17.98	17.77	17.90	19.5		
	15M	QPSK	1	0	18.90	18.85	18.87	20.5
			1	37	18.91	18.76	18.87	20.5
			1	74	18.90	18.72	18.74	20.5
36			0	18.95	18.76	18.81	20.5	
36			19	19.03	18.80	18.94	20.5	
36			39	18.98	18.80	18.90	20.5	
16QAM		75	0	18.89	18.67	18.84	20.5	
		1	0	18.84	18.73	19.03	20.5	
		1	37	18.99	18.81	18.84	20.5	
		1	74	18.89	18.69	18.78	20.5	
		36	0	18.90	18.63	18.89	20.5	
		36	19	18.90	18.68	18.79	20.5	
64QAM	36	39	18.88	18.74	18.81	20.5		
	75	0	18.88	18.68	18.84	20.5		
	1	0	18.86	18.85	18.85	20.5		
	1	37	18.80	18.81	18.82	20.5		
	1	74	18.65	18.83	18.74	20.5		
	36	0	17.90	17.84	17.99	19.5		
	36	19	17.85	17.83	17.78	19.5		
	36	39	17.86	17.86	17.91	19.5		
	75	0	17.85	17.64	17.76	19.5		
	5M	QPSK	1	0	18.92	18.89	18.82	20.5
			1	12	19.00	18.78	18.95	20.5
			1	24	18.79	18.72	18.87	20.5
12			0	18.98	18.77	18.83	20.5	
12			6	19.05	18.78	18.91	20.5	
12			13	18.88	18.62	18.93	20.5	
16QAM		25	0	18.85	18.71	18.90	20.5	
		1	0	18.77	18.77	18.96	20.5	
		1	12	18.96	18.80	18.95	20.5	
		1	24	18.89	18.65	18.74	20.5	
		12	0	18.86	18.77	18.93	20.5	
		12	6	19.01	18.94	18.81	20.5	
64QAM	12	13	19.01	18.72	18.84	20.5		
	25	0	18.94	18.70	18.85	20.5		
	1	0	18.79	18.83	18.96	20.5		
	1	12	18.79	18.84	18.89	20.5		
	1	24	18.64	18.79	18.87	20.5		
	12	0	17.94	17.80	17.99	19.5		
	12	6	17.94	17.86	17.76	19.5		
	12	13	17.83	17.83	17.84	19.5		
	25	0	17.94	17.73	17.82	19.5		

BW	MCS Index	LTE Band 42 (ENDC Only) FCC Part27 (Ant)					
		RB Size	RB Offset	Low	Mid	High	Max. Turn-up (dBm)
		Channel	Frequency (MHz)	43195	43440	43685	43930

LTE Band 42 FCC Part70 (Ant)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tone-up (dBm)	
		Channel Frequency (MHz)	3465	3500	3535	3570		
20M	QPSK	1	0	20.18	19.84	20.13	21.5	
		1	50	20.27	20.12	20.24	21.5	
		1	99	20.17	20.09	20.10	21.5	
		50	0	20.01	19.84	19.88	21.5	
		50	25	20.14	20.00	20.12	21.5	
		50	50	20.09	19.71	19.93	21.5	
	16QAM	1	0	19.94	19.72	20.04	21.5	
		1	0	20.13	19.77	20.20	21.5	
		1	50	20.20	19.97	20.07	21.5	
		1	99	20.02	19.73	19.91	21.5	
		50	0	19.04	18.88	19.05	20.5	
		50	25	19.17	19.21	19.00	20.5	
	64QAM	1	0	19.14	18.78	18.96	20.5	
		100	0	19.01	18.88	18.99	20.5	
		1	0	18.90	18.90	18.90	20.5	
		1	50	18.80	19.00	19.05	20.5	
		1	99	18.89	18.85	18.81	20.5	
		50	0	18.04	17.87	17.91	19.5	
	15M	QPSK	1	0	20.09	19.70	20.19	21.5
			1	37	20.25	20.04	20.13	21.5
			1	74	20.02	20.08	20.08	21.5
			36	0	20.00	19.75	19.85	21.5
			36	19	20.13	19.99	19.99	21.5
			36	39	20.01	19.65	19.87	21.5
16QAM		75	0	19.89	19.57	19.93	21.5	
		1	0	20.09	19.70	20.19	21.5	
		1	37	20.18	19.87	20.01	21.5	
		1	74	19.94	19.68	19.84	21.5	
		36	0	18.90	18.79	19.02	20.5	
		36	19	19.03	19.13	18.85	20.5	
64QAM		36	39	19.03	18.68	18.81	20.5	
		75	0	18.97	18.82	18.90	20.5	
		1	0	18.91	18.88	18.84	20.5	
		1	37	18.76	18.87	18.92	20.5	
		1	74	18.78	18.79	18.69	20.5	
		36	0	18.02	17.82	17.87	19.5	
10M		QPSK	1	0	20.16	19.83	20.05	21.5
			1	24	20.15	20.01	20.21	21.5
			1	49	20.10	20.00	20.03	21.5
			25	0	19.95	19.77	19.85	21.5
			25	12	20.09	19.97	20.03	21.5
			25	25	20.07	19.59	19.80	21.5
	16QAM	50	0	19.80	19.57	19.96	21.5	
		1	0	20.09	19.66	20.08	21.5	
		1	24	20.06	19.83	19.97	21.5	
		1	49	19.94	19.72	19.77	21.5	
		25	0	18.93	18.75	18.94	20.5	
		25	12	19.12	19.09	18.86	20.5	
	64QAM	25	25	19.08	18.67	18.86	20.5	
		50	0	18.88	18.81	18.90	20.5	
		1	0	18.97	18.94	18.83	20.5	
		1	24	18.79	18.91	19.04	20.5	
		1	49	18.88	18.81	18.68	20.5	
		25	0	17.90	17.84	17.77	19.5	
	5M	QPSK	1	0	19.97	17.89	17.94	19.5
			1	0	17.92	17.85	17.91	19.5
			1	12	20.10	19.79	20.02	21.5
			1	12	20.15	20.07	20.09	21.5
			1	24	20.14	19.99	20.01	21.5
			12	0	19.87	19.78	19.81	21.5
16QAM		12	6	20.02	19.95	20.06	21.5	
		12	13	20.00	19.66	19.81	21.5	
		25	0	19.87	19.69	19.97	21.5	
		1	0	20.05	19.83	20.13	21.5	
		1	12	20.17	19.95	20.05	21.5	
		1	24	19.96	19.66	19.81	21.5	
64QAM		12	0	18.90	18.73	18.91	20.5	
		12	6	19.07	19.19	18.99	20.5	
		12	13	19.09	18.67	18.83	20.5	
		25	0	18.87	18.76	18.85	20.5	
		1	0	18.92	18.89	18.84	20.5	
		1	12	18.72	18.95	19.00	20.5	
20M		QPSK	1	0	19.97	19.87	19.87	21.5
			1	50	20.09	19.90	19.87	21.5
			1	99	20.00	19.75	19.77	21.5
			50	0	19.99	19.87	19.73	21.5
			50	25	20.08	19.86	19.85	21.5
			50	50	19.96	19.72	19.76	21.5
	16QAM	100	0	19.87	19.87	19.87	21.5	
		1	0	19.97	19.86	19.84	21.5	
		1	50	20.09	19.90	19.87	21.5	
		1	99	20.00	19.75	19.77	21.5	
		50	0	19.93	19.87	19.75	20.5	
		50	25	19.81	18.83	18.73	20.5	
	64QAM	50	50	19.02	18.74	18.74	20.5	
		100	0	18.91	18.82	18.88	20.5	
		1	0	18.90	18.93	18.89	20.5	
		1	50	18.80	18.73	18.65	20.5	
		1	99	18.75	18.54	18.59	20.5	
		50	0	17.85	17.79	17.71	19.5	
	15M	QPSK	1	0	20.05	19.99	19.97	21.5
			1	37	20.14	20.07	19.97	21.5
			1	74	20.19	19.90	19.97	21.5
			36	0	19.99	19.83	19.83	21.5
			36	19	20.06	19.94	19.83	21.5
			36	39	20.07	19.74	19.76	21.5
16QAM		75	0	19.97	19.97	19.87	21.5	
		1	0	20.05	19.99	19.97	21.5	
		1	37	20.10	19.98	19.92	21.5	
		1	74	20.05	19.82	19.84	21.5	
		36	0	19.04	19.08	18.79	20.5	
		36	19	18.94	18.88	18.74	20.5	
64QAM		36	39	19.13	18.83	18.73	20.5	
		75	0	18.91	18.91	18.79	20.5	
		1	0	18.88	19.01	18.70	20.5	
		1	37	18.88	18.70	18.75	20.5	
		1	74	18.75	18.51	18.65	20.5	
		36	0	17.97	17.90	17.74	19.5	
10M		QPSK	1	0	19.98	19.87	19.87	21.5
			1	24	20.16	19.99	19.95	21.5
			1	49	19.99	19.73	19.84	21.5
			25	0	19.93	19.07	18.79	20.5
			25	12	18.94	18.81	18.70	20.5
			25	25	19.09	18.74	18.84	20.5
	16QAM	50	0	18.94	18.91	18.72	20.5	
		1	0	19.98	19.88	19.79	20.5	
		1	24	20.17	19.80	19.86	21.5	
		1	49	19.81	19.63	19.57	20.5	
		25	0	17.93	17.84	17.82	19.5	
		25	12	17.96	17.72	17.68	19.5	
	64QAM	25	25	17.93	17.75	17.80	19.5	
		50	0	18.03	17.85	17.71	19.5	
		1	0	20.17	20.18	20.02	21.5	
		1	12	20.13	20.03	19.96	21.5	
		1	24	20.17	19.80	19.86	21.5	
		12	0	19.86	19.82	19.74	21.5	
	5M	QPSK	12	6	20.19	19.87	19.84	21.5
			12	13	20.13	19.83	19.75	21.5
			25	0	20.01	19.88	19.94	21.5
			1	0	19.98	19.84	19.83	21.5
			1	12	20.20	19.86	19.89	21.5
			1	24	19.97	19.86	19.88	21.5
16QAM		12	0	19.02	19.08	18.84	20.5	
		12	6	18.88	18.85	18.80	20.5	
		12	13	19.13	18.78	18.77	20.5	
		25	0	18.99	18.93	18.65	20.5	
		1	0	19.00	18.95	18.70	20.5	
		1	12	18.87	18.83	18.62	20.5	
64QAM		1	24	18.77	18.61	18.63	20.5	
		12	0	18.00	17.77	17.81	19.5	
		12	6	18.04	17.79	17.74	19.5	
		12	13	18.09	17.71	17.79	19.5	
		25	0	18.00	17.90	17.73	19.5	
		25	0	17.89	17.80	17.79	19.5	

LTE Band 42 FCC Part96 (Ant)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tone-up (dBm)	
		Channel Frequency (MHz)	4396	4340	4396	3575		
20M	QPSK	1	0	20.32	20.30	20.16	21.5	
		1	50	20.23	20.17	20.03	21.5	
		1	99	20.20	20.04	19.99	21.5	
		50	0	19.99	19.87	19.73	21.5	
		50	25	20.08	19.86	19.85	21.5	
		50	50	19.96	19.72	19.76	21.5	
	16QAM	100	0	19.87	19.87	19.87	21.5	
		1	0	19.97	19.86	19.84	21.5	
		1	50	20.09	19.90	19.87	21.5	
		1	99	20.00	19.75	19.77	21.5	
		50	0	19.93	19.87	19.75	20.5	
		50	25	18.91	18.83	18.73	20.5	
	64QAM	50	50	19.02	18.74	18.74	20.5	
		100	0	18.91	18.82	18.88	20.5	
		1	0	18.90	18.93	18.89	20.5	
		1	50	18.80	18.73	18.65	20.5	
		1	99	18.75	18.54	18.59	20.5	
		50	0	17.85	17.79	17.71	19.5	
	15M	QPSK	1	0	20.22	20.23	20.09	21.5
			1	37	20.14	20.07	19.97	21.5
			1	74	20.19	19.90	19.97	21.5
			36	0	19.99	19.83	19.83	21.5
			36	19	20.06	19.94	19.83	21.5
			36	39	20.07	19.74	19.76	21.5
16QAM		75	0	19.97	19.97	19.87	21.5	
		1	0	20.05	19.99	19.97	21.5	
		1	37	20.10	19.98	19.92	21.5	
		1	74	20.05	19.82	19.84	21.5	
		36	0	19.04	19.08	18.79	20.5	
		36	19	18.94	18.88	18.74	20.5	
64QAM		36	39	19.13	18.83	18.73	20.5	
		75	0	18.91	18.91	18.79	20.5	

Inter Band CA DSI1 Power

CA_7C Ant1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.19	25
				16QAM	1	99	1	0	22.62	24
				64QAM	1	99	1	0	21.14	23
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	23.24	25
				16QAM	1	99	1	0	22.58	24
				64QAM	1	99	1	0	21.19	23
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.15	25
				16QAM	1	99	1	0	22.54	24
				64QAM	1	99	1	0	21.07	23

CA_38C Ant1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	23.54	25.5
				16QAM	1	99	1	0	22.57	24.5
				64QAM	1	99	1	0	21.59	23.5
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.59	25.5
				16QAM	1	99	1	0	22.69	24.5
				64QAM	1	99	1	0	21.54	23.5
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.55	25.5
				16QAM	1	99	1	0	22.61	24.5
				64QAM	1	99	1	0	21.52	23.5

CA_7C Ant4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	15.05	16
				16QAM	1	99	1	0	14.97	16
				64QAM	1	99	1	0	14.92	16
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	15.16	16
				16QAM	1	99	1	0	15.02	16
				64QAM	1	99	1	0	14.98	16
21152	2540.2	21350	2560	QPSK	1	99	1	0	14.99	16
				16QAM	1	99	1	0	14.93	16
				64QAM	1	99	1	0	14.82	16

CA_38C Ant4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	17.83	19.5
				16QAM	1	99	1	0	17.65	19.5
				64QAM	1	99	1	0	17.72	19.5
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	17.85	19.5
				16QAM	1	99	1	0	17.69	19.5
				64QAM	1	99	1	0	17.62	19.5
37952	2590.2	38150	2610	QPSK	1	99	1	0	17.78	19.5
				16QAM	1	99	1	0	17.72	19.5
				64QAM	1	99	1	0	17.66	19.5

GSM&WCDMA_Ant1 DS12 Power

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	32.84	32.88	32.70	33.50	29.80	29.76	29.71	30.50	
GPRS 1Tx Slot	32.81	32.86	32.63	33.50	29.90	29.89	29.78	30.50	
GPRS 2Tx Slot	30.61	30.65	30.43	31.00	27.44	27.47	27.43	28.00	
GPRS 3Tx Slot	28.78	28.85	28.68	29.50	25.82	25.88	25.93	26.50	
GPRS 4Tx Slot	26.81	26.88	26.73	27.50	24.08	24.27	24.43	25.00	
EDGE 1Tx Slot	26.28	26.33	26.32	28.00	25.54	25.37	25.21	26.50	
EDGE 2Tx Slot	23.94	24.00	23.92	25.50	23.21	22.94	22.89	24.00	
EDGE 3Tx Slot	22.17	22.25	22.15	24.00	21.26	21.10	21.06	22.50	
EDGE 4Tx Slot	20.72	20.81	20.76	22.50	19.73	19.69	19.45	21.00	

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
	Channel	128	189		251	512	661	
GSM	23.84	23.88	23.70	24.50	20.80	20.76	20.71	21.50
GPRS 1Tx Slot	23.81	23.86	23.63	24.50	20.90	20.89	20.78	21.50
GPRS 2Tx Slot	24.61	24.65	24.43	25.00	21.44	21.47	21.43	22.00
GPRS 3Tx Slot	24.52	24.59	24.42	25.24	21.56	21.62	21.67	22.24
GPRS 4Tx Slot	23.81	23.88	23.73	24.50	21.08	21.27	21.43	22.00
EDGE 1Tx Slot	17.28	17.33	17.32	19.00	16.54	16.37	16.21	17.50
EDGE 2Tx Slot	17.94	18.00	17.92	19.50	17.21	16.94	16.89	18.00
EDGE 3Tx Slot	17.91	17.99	17.89	19.74	17.00	16.84	16.80	18.24
EDGE 4Tx Slot	17.72	17.81	17.76	19.50	16.73	16.69	16.45	18.00

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	Max. Tune-up Power (dBm)	1312		1413	1513	Max. Tune-up Power (dBm)	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	23.93	24.04	23.96	25.00	23.78	24.04	23.80	25.00	23.75	23.70	23.82	25.00
HSDPA Subtest-1	22.14	22.32	22.16	24.00	22.24	22.56	22.22	24.00	22.12	22.43	22.33	24.00
HSDPA Subtest-2	22.32	22.37	22.07	24.00	22.42	22.43	22.06	24.00	22.35	22.42	22.15	24.00
HSDPA Subtest-3	21.68	21.72	21.82	23.50	21.79	21.90	21.94	23.50	21.75	21.77	21.93	23.50
HSDPA Subtest-4	21.78	21.61	21.99	23.50	21.74	21.66	22.08	23.50	21.70	21.73	22.01	23.50
DC-HSDPA Subtest-1	22.24	22.15	22.28	24.00	22.33	22.08	22.48	24.00	22.39	22.07	22.35	24.00
DC-HSDPA Subtest-2	22.09	22.34	22.29	24.00	22.16	22.31	22.37	24.00	22.17	22.31	22.37	24.00
DC-HSDPA Subtest-3	21.59	21.70	21.69	23.50	21.64	21.79	21.71	23.50	21.61	21.82	21.78	23.50
DC-HSDPA Subtest-4	21.61	21.87	21.78	23.50	21.78	21.89	21.67	23.50	21.76	21.75	21.87	23.50
HSUPA Subtest-1	20.71	20.52	20.85	22.00	20.77	20.58	20.75	22.00	20.70	20.62	20.75	22.00
HSUPA Subtest-2	20.77	20.39	20.77	22.00	20.70	20.53	20.75	22.00	20.75	20.61	20.84	22.00
HSUPA Subtest-3	21.11	21.06	21.37	23.00	21.23	21.12	21.55	23.00	21.12	21.13	21.37	23.00
HSUPA Subtest-4	19.71	20.03	20.15	21.50	19.87	19.99	20.04	21.50	19.75	19.96	20.08	21.50
HSUPA Subtest-5	21.33	21.29	21.52	23.00	21.33	21.26	21.38	23.00	21.28	21.37	21.36	23.00

GSM&WCDMA_Ant4 DS12 Power

Band	GSM850				GSM1900				
	Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8		
GSM	31.93	32.05	31.96	33.50	28.57	28.56	28.63	30.00	
GPRS 1Tx Slot	31.90	32.08	31.80	33.50	28.53	28.58	28.62	30.00	
GPRS 2Tx Slot	29.66	29.88	29.61	31.00	26.05	26.15	26.27	27.50	
GPRS 3Tx Slot	27.86	28.02	27.96	29.50	24.48	24.60	24.76	26.00	
GPRS 4Tx Slot	25.89	26.04	25.97	27.50	22.81	23.00	23.22	24.50	
EDGE 1Tx Slot	26.14	26.09	26.16	28.00	24.68	24.43	24.26	26.00	
EDGE 2Tx Slot	23.86	23.83	23.77	25.50	22.38	22.15	21.98	23.50	
EDGE 3Tx Slot	22.31	22.14	22.28	24.00	20.37	20.20	20.27	22.00	
EDGE 4Tx Slot	20.82	20.58	20.76	22.50	19.45	19.31	19.39	20.50	

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
	Channel	128	189		251	512	661	
GSM	22.93	23.05	22.96	24.50	19.57	19.56	19.63	21.00
GPRS 1Tx Slot	22.90	23.08	22.80	24.50	19.53	19.58	19.62	21.00
GPRS 2Tx Slot	23.66	23.88	23.61	25.00	20.05	20.15	20.27	21.50
GPRS 3Tx Slot	23.60	23.76	23.70	25.24	20.22	20.34	20.50	21.74
GPRS 4Tx Slot	22.89	23.04	22.97	24.50	19.81	20.00	20.22	21.50
EDGE 1Tx Slot	17.14	17.09	17.16	19.00	15.68	15.43	15.26	17.00
EDGE 2Tx Slot	17.86	17.83	17.77	19.50	16.38	16.15	15.98	17.50
EDGE 3Tx Slot	18.05	17.88	18.02	19.74	16.11	15.94	16.01	17.74
EDGE 4Tx Slot	17.82	17.58	17.76	19.50	16.45	16.31	16.39	17.50

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	Max. Tune-up Power (dBm)	1312		1413	1513	Max. Tune-up Power (dBm)	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	23.11	23.13	23.05	24.50	23.09	23.33	23.02	24.50	23.21	23.14	23.32	25.00
HSDPA Subtest-1	22.13	22.13	21.97	23.50	22.14	22.12	22.03	23.50	22.38	22.36	22.02	24.00
HSDPA Subtest-2	22.14	22.13	21.93	23.50	22.30	22.07	21.95	23.50	22.18	22.12	22.11	24.00
HSDPA Subtest-3	21.62	21.52	21.48	23.00	21.83	21.63	21.62	23.00	21.68	21.67	21.55	23.50
HSDPA Subtest-4	21.60	21.52	21.39	23.00	21.58	21.64	21.33	23.00	21.77	21.62	21.59	23.50
DC-HSDPA Subtest-1	22.08	22.16	21.93	23.50	22.21	22.12	21.87	23.50	22.32	22.26	22.09	24.00
DC-HSDPA Subtest-2	22.06	21.97	21.99	23.50	22.18	22.09	21.99	23.50	22.27	22.09	22.11	24.00
DC-HSDPA Subtest-3	21.67	21.46	21.40	23.00	21.77	21.58	21.50	23.00	21.73	21.70	21.62	23.50
DC-HSDPA Subtest-4	21.68	21.63	21.65	23.00	21.78	21.47	21.37	23.00	21.84	21.61	21.60	23.50
HSUPA Subtest-1	20.69	20.50	20.41	21.50	20.68	20.60	20.30	21.50	20.80	20.59	20.47	22.00
HSUPA Subtest-2	20.62	20.31	20.27	21.50	20.61	20.51	20.31	21.50	20.68	20.51	20.34	22.00
HSUPA Subtest-3	21.04	20.87	20.91	22.50	20.99	21.01	20.81	22.50	21.20	21.14	21.09	23.00
HSUPA Subtest-4	19.71	19.74	19.47	21.00	19.74	19.71	19.60	21.00	19.68	19.73	19.63	21.50
HSUPA Subtest-5	21.19	21.03	20.98	22.50	21.36	21.15	20.99	22.50	21.33	21.25	21.27	23.00

LTE_Ant1 DS12 Power

LTE Band 2 (Ant1)										
BW	Modulation	RB Size		RB Offset	Low	Mid	High	Max. Power (dBm)	Max. Time-upt (dBm)	
		Channel Frequency (MHz)	Frequency (MHz)							
20M	QPSK	Channel		1890	1890	1910	1910			
		Frequency (MHz)		1890	1890	1910	1910			
		1	0	23.98	24.18	24.10	25			
		1	50	24.09	24.30	24.15	25			
		1	99	24.04	24.17	24.12	25			
		50	0	23.97	23.25	23.24	24			
		50	25	23.97	23.33	23.28	24			
		50	50	23.23	23.27	23.10	24			
		100	0	23.11	23.32	23.23	24			
		1	0	23.11	23.36	23.32	24			
	16QAM	1	50	23.98	23.54	23.35	24			
		1	99	23.96	23.45	23.45	24			
		50	0	21.93	22.27	22.16	23			
		50	25	22.14	22.25	22.11	23			
		50	50	22.16	22.36	22.17	23			
		100	0	22.00	22.29	22.31	23			
		64QAM	1	50	22.15	22.36	22.27	23		
			1	99	22.26	22.39	22.22	23		
			50	0	21.27	21.40	21.34	22		
			50	25	21.36	21.47	21.30	22		
50	50		21.44	21.49	21.31	22				
100	0		21.23	21.42	21.20	22				
30M	QPSK		Channel		1895	1890	1915	1915		
			Frequency (MHz)		1895	1890	1915	1915		
			1	0	23.88	24.04	23.98	25		
			1	37	24.00	24.26	24.00	25		
		1	74	23.90	24.02	23.97	25			
		36	0	23.09	23.24	23.22	24			
		36	19	23.21	23.19	23.24	24			
		36	39	23.09	23.16	22.96	24			
		75	0	23.09	23.25	23.28	24			
		1	0	23.02	23.30	23.25	24			
	16QAM	1	37	23.26	23.47	23.28	24			
		1	74	23.33	23.35	23.33	24			
		36	0	21.91	22.21	22.03	23			
		36	19	22.03	22.11	22.08	23			
		36	39	22.15	22.34	22.09	23			
		75	0	22.06	22.14	21.98	23			
		1	0	21.85	22.24	22.22	23			
		1	37	22.06	22.30	22.16	23			
		1	74	22.03	22.31	22.06	23			
		36	0	21.34	21.32	21.29	22			
64QAM	36	19	21.35	21.43	21.29	22				
	36	39	21.39	21.34	21.19	22				
	75	0	21.08	21.30	21.16	22				
	Channel		1895	1890	1915	1915				
	Frequency (MHz)		1895	1890	1915	1915				
	1	0	23.90	24.09	23.98	25				
	1	24	23.98	24.25	24.10	25				
	1	49	23.91	24.03	23.97	25				
	25	0	23.13	23.12	23.24	24				
	25	12	23.16	23.24	23.14	24				
25	25	23.15	23.15	22.97	24					
50	0	23.01	23.23	23.14	24					
16QAM	1	0	22.98	23.26	23.23	24				
	1	24	23.90	23.40	23.26	24				
	1	49	23.23	23.43	23.40	24				
	25	0	21.81	22.24	22.09	23				
	25	12	22.05	22.19	21.98	23				
	25	25	22.13	22.29	22.02	23				
	50	0	22.06	22.09	22.04	23				
	1	0	21.87	22.25	22.24	23				
	64QAM	1	24	22.08	22.27	22.16	23			
		1	49	22.24	22.24	22.19	23			
25		0	21.25	21.28	21.28	22				
25		12	21.33	21.35	21.28	22				
25		25	21.42	21.36	21.26	22				
50		0	21.18	21.40	21.17	22				
Channel		1895	1890	1915	1915					
Frequency (MHz)		1895	1890	1915	1915					
1		0	23.94	24.14	24.09	25				
1		12	23.96	24.23	24.12	25				
1	14	24.03	24.14	24.09	25					
8	0	23.08	23.13	23.09	24					
8	3	23.14	23.31	23.20	24					
8	7	23.09	23.18	22.98	24					
15	0	23.01	23.31	23.11	24					
16QAM	1	0	23.04	23.21	23.28	24				
	1	7	23.25	23.47	23.20	24				
	1	14	23.28	23.42	23.40	24				
	8	0	21.83	22.13	22.01	23				
	8	3	22.05	22.23	21.99	23				
	8	7	22.13	22.34	22.07	23				
	15	0	22.01	22.14	21.99	23				
	1	0	21.92	22.04	22.30	23				
	1	7	22.02	22.27	22.17	23				
	1	14	22.22	22.37	22.08	23				
64QAM	8	0	21.22	21.27	21.30	22				
	8	3	21.34	21.44	21.16	22				
	8	7	21.40	21.38	21.29	22				
	15	0	21.19	21.28	21.17	22				
	Channel		1897	1890	1913	1913				
	Frequency (MHz)		1897	1890	1913	1913				
	1	0	23.83	24.12	23.95	25				
	1	2	23.95	24.16	24.02	25				
	1	5	23.97	24.14	24.11	25				
	3	0	23.89	23.98	24.02	25				
3	1	23.95	24.03	24.01	25					
3	0	23.95	23.92	23.95	25					
3	0	23.09	23.08	23.24	24					
16QAM	1	0	22.98	23.28	23.28	24				
	1	2	23.32	23.42	23.33	24				
	1	5	23.33	23.36	23.35	24				
	3	0	22.97	23.06	22.96	24				
	3	3	22.83	22.96	22.84	24				
	3	3	22.84	23.09	22.88	24				
	6	0	22.00	22.13	21.98	23				
	1	0	21.97	22.26	22.18	23				
	1	2	22.02	22.30	22.13	23				
	1	5	22.02	22.28	22.19	23				
64QAM	3	0	21.96	22.10	22.10	23				
	3	1	22.06	22.21	21.95	23				
	3	3	22.21	22.19	22.05	23				
	6	0	21.12	21.30	21.13	22				

LTE Band 4 (Ant1)										
BW	Modulation	RB Size		RB Offset	Low	Mid	High	Max. Power (dBm)	Max. Time-upt (dBm)	
		Channel Frequency (MHz)	Frequency (MHz)							
20M	QPSK	Channel		2080	2075	2095	2095			
		Frequency (MHz)		1720	1725	1745	1745			
		1	0	23.92	24.12	24.16	25.5			
		1	50	24.27	24.36	24.27	25.5			
		1	99	24.23	24.26	24.17	25.5			
		50	0	23.95	23.92	23.92	24.5			
		50	25	23.24	23.29	23.27	24.5			
		50	50	23.43	23.52	23.37	24.5			
		100	0	23.29	23.33	23.32	24.5			
		1	0	23.22	23.29	23.32	24.5			
	16QAM	1	50	23.95	23.62	23.61	24.5			
		1	99	23.51	23.46	23.29	24.5			
		50	0	22.29	22.25	22.23	23.5			
		50	25	22.33	22.25	22.31	23.5			
		50	50	22.28	22.35	22.31	23.5			
		100	0	22.20	22.25	22.31	23.5			
		64QAM	1	50	22.29	22.54	22.51	23.5		
			1	99	22.44	22.32	22.17	23.5		
			50	0	21.39	21.38	21.43	22.5		
			50	25	21.44	21.51	21.51	22.5		
50	50		21.46	21.57	21.40	22.5				
100	0		21.45	21.39	21.44	22.5				
30M	QPSK		Channel		2085	2075	2095	2095		
			Frequency (MHz)		1717.5	1722.5	1747.5	1747.5		
			1	0	23.79	24.03	24.06	25.5		
			1	37	24.21	24.24	24.24	25.5		
		1	74	24.21	24.15	24.06	25.5			
		36	0	23.08	23.22	23.28	24.5			
		36	19	23.17	23.23	23.12	24.5			
		36	39	23.29	23.51	23.28	24.5			
		75	0	23.17	23.17	23.22	24.5			
		1	0	23.16	23.16	23.31	24.5			
	16QAM	1	37	23.35	23.55	23.51	24.5			
		1	74	23.36	23.38	23.26	24.5			
		36	0	22.15	22.12	22.17	23.5			
		36	19	22.19	22.14	22.29	23.5			
		36	39	22.24	22.32	22.27	23.5			
		75	0	22.13	22.13	22.16	23.5			
		1	0	22.22	22.07	22.31	23.5			
		1	37	22.17	22.52	22.36	23.5			
		1	74	22.30	22.33	22.31	23.5			
		36	0	21.36	21.25	21.40	22.5			
64QAM	36	19	21.29	21.47	21.46	22.5				
	36	39	21.39	21.43	21.39	22.5				
	75	0	21.30	21.32	21.38	22.5				

LTE Band 7 (Ant1)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	2090	2100	
20M	QPSK	50	0	23.96	23.95	23.73	25
				24.01	23.98	23.77	25
				23.79	23.71	23.69	25
				22.94	22.95	22.80	24
				23.01	23.05	22.83	24
				22.91	23.02	22.67	24
		100	0	23.02	23.07	22.67	24
				23.17	23.14	22.82	24
				23.23	23.01	22.95	24
				23.10	22.90	22.85	24
				21.92	21.90	21.88	23
				22.94	22.92	22.83	24
	16QAM	1	0	23.17	23.14	22.82	24
				23.23	23.01	22.95	24
				23.10	22.90	22.85	24
				21.92	21.90	21.88	23
				22.94	22.92	22.83	24
				23.02	23.07	22.67	24
		50	0	23.02	23.07	22.67	24
				23.17	23.14	22.82	24
				23.23	23.01	22.95	24
				23.10	22.90	22.85	24
				21.92	21.90	21.88	23
				22.94	22.92	22.83	24
64QAM	1	0	22.06	22.14	21.91	23	
			22.17	22.12	21.87	23	
			21.98	21.93	21.77	23	
			20.94	20.92	20.78	22	
			20.99	20.96	20.74	22	
			21.05	20.92	20.57	22	
	50	0	21.01	20.94	20.83	22	
			21.06	20.98	20.72	22	
			21.10	21.06	20.83	22	
			21.05	20.92	20.57	22	
			20.99	20.96	20.72	22	
			21.06	20.98	20.72	22	
15M	QPSK	36	0	23.84	23.81	23.59	25
				23.83	23.98	23.63	25
				23.77	23.56	23.66	25
				22.85	22.94	22.79	24
				23.00	22.98	22.69	24
				22.89	22.88	22.52	24
		75	0	22.98	23.03	22.52	24
				23.07	22.99	22.77	24
				23.16	22.93	22.85	24
				23.08	22.85	22.79	24
				21.80	21.77	21.73	23
				21.99	21.92	21.64	23
	16QAM	36	0	21.83	21.80	21.73	23
				21.82	21.80	21.67	23
				21.82	21.80	21.67	23
				21.82	21.80	21.67	23
				21.82	21.80	21.67	23
				21.82	21.80	21.67	23
		75	0	22.01	22.07	21.82	23
				22.03	21.97	21.72	23
				21.86	21.86	21.75	23
				21.00	20.83	20.81	22
				20.86	20.83	20.81	22
				21.02	20.89	20.42	22
64QAM	36	0	20.96	20.96	20.58	22	
			20.96	20.96	20.58	22	
			20.96	20.96	20.58	22	
			20.96	20.96	20.58	22	
			20.96	20.96	20.58	22	
			20.96	20.96	20.58	22	
	75	0	22.01	22.07	21.82	23	
			22.03	21.97	21.72	23	
			21.86	21.86	21.75	23	
			21.00	20.83	20.81	22	
			20.86	20.83	20.81	22	
			21.02	20.89	20.42	22	
10M	QPSK	1	0	23.87	23.86	23.62	25
				23.95	23.91	23.71	25
				23.78	23.57	23.67	25
				22.87	22.84	22.67	24
				22.94	22.96	22.77	24
				22.83	22.92	22.56	24
		50	0	22.97	23.02	22.58	24
				23.13	23.10	22.76	24
				23.10	22.86	22.81	24
				23.03	22.87	22.79	24
				21.83	21.81	21.80	23
				21.91	21.93	21.76	23
	16QAM	1	0	23.13	23.10	22.76	24
				23.10	22.86	22.81	24
				23.03	22.87	22.79	24
				21.83	21.81	21.80	23
				21.91	21.93	21.76	23
				22.86	22.86	22.81	22
		50	0	21.86	21.88	21.69	23
				21.85	21.99	21.88	23
				22.03	22.11	21.79	23
				21.83	21.91	21.66	23
				20.92	20.86	20.81	22
				20.95	20.84	20.63	22
64QAM	1	0	21.81	21.88	21.69	23	
			21.85	21.99	21.88	23	
			22.03	22.11	21.73	23	
			21.84	21.79	21.63	23	
			21.91	22.04	21.82	23	
			22.03	22.11	21.73	23	
	24	0	21.93	21.89	21.72	23	
			21.84	21.79	21.63	23	
			21.91	22.04	21.82	23	
			22.03	22.11	21.73	23	
			21.93	21.90	21.63	23	
			20.88	20.83	20.66	22	
5M	QPSK	1	0	23.91	23.89	23.60	25
				23.88	23.92	23.75	25
				23.76	23.61	23.66	25
				22.80	22.91	22.60	24
				22.91	22.93	22.72	24
				22.80	22.87	22.52	24
	16QAM	1	0	22.96	22.98	22.56	24
				23.05	23.13	22.70	24
				23.17	22.88	22.69	24
				22.80	22.80	22.81	24
				21.86	21.81	21.79	23
				21.83	21.79	21.65	23
64QAM	1	0	21.84	21.79	21.63	23	
			21.91	22.04	21.82	23	
			22.03	22.11	21.73	23	
			21.84	21.79	21.63	23	
			21.99	20.92	20.79	22	
			20.88	20.83	20.66	22	
	12	0	20.94	20.79	20.43	22	
			20.99	20.86	20.67	22	
			20.99	20.86	20.67	22	
			20.99	20.86	20.67	22	
			20.99	20.86	20.67	22	
			20.99	20.86	20.67	22	

LTE Band 12 (Ant1)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	2300	2305	
10M	QPSK	1	0	24.44	24.44	24.30	25.5
				24.44	24.44	24.39	24.35
				24.30	24.31	24.40	25.5
				23.54	23.45	23.37	24.5
				23.44	23.42	23.33	24.5
				23.51	23.43	23.35	24.5
		25	0	23.57	23.45	23.34	24.5
				23.74	23.71	23.64	24.5
				23.69	23.58	23.63	24.5
				23.61	23.55	23.72	24.5
				22.58	22.42	22.31	23.5
				23.54	23.45	23.34	24.5
	16QAM	1	0	23.74	23.71	23.64	24.5
				23.69	23.58	23.63	24.5
				23.61	23.55	23.72	24.5
				22.58	22.42	22.31	23.5
				23.54	23.45	23.34	24.5
				23.57	23.45	23.34	24.5
		25	0	23.57	23.45	23.34	24.5
				23.74	23.71	23.64	24.5
				23.69	23.58	23.63	24.5
				23.61	23.55	23.72	24.5
				22.58	22.42	22.31	23.5
				23.54	23.45	23.34	24.5
64QAM	1	0	22.71	22.64	22.48	23.5	
			22.65	22.59	22.49	23.5	
			22.48	22.40	22.53	23.5	
			22.54	22.40	22.30	22.5	
			22.48	22.40	22.37	22.5	
			21.47	21.42	21.31	22.5	
	25	0	21.53	21.33	21.30	22.5	
			22.53	22.48	22.34	23.5	
			22.71	22.64	22.48	23.5	
			22.65	22.59	22.49	23.5	
			22.48	22.40	22.53	23.5	
			22.54	22.40	22.30	22.5	
5M	QPSK	1	0	24.42	24.45	24.38	25.5
				24.40	24.29	24.23	25.5
				24.20	24.23	24.32	25.5
				23.51	23.44	23.32	24.5
				23.42	23.31	23.24	24.5
				23.37	23.38	23.24	24.5
		25	0	23.50	23.40	23.19	24.5
				23.69	23.64	23.60	24.5
				23.64	23.51	23.48	24.5
				23.46	23.50	23.69	24.5
				22.53	22.28	22.28	23.5
				22.48	22.38	22.38	23.5
	16QAM	1	0	23.61	23.41	23.24	24.5
				23.69	23.64	23.60	24.5
				23.64	23.51	23.48	24.5
				23.46	23.50	23.69	24.5
				22.53	22.28	22.28	23.5
				22.48	22.38	22.38	23.5
		25	0	23.41	23.24	23.25	23.5
				22.52	22.45	22.25	23.5
				22.61	22.60	22.37	23.5
				22.56	22.44	22.45	23.5
				22.37	22.51	23.5	23.5
				21.48	21.27	21.18	22.5
64QAM	1	0	22.61	22.60	22.37	23.5	
			22.56	22.44	22.45	23.5	
			22.37	22.51	23.5	23.5	
			21.48	21.27	21.18	22.5	
			21.44	21.24	21.20	22.5	
			21.32	21.32	21.20	22.5	
	25	0	21.41	21.25	21.19	22.5	
			22.61	22.60	22.37	23.5	
			22.56	22.44	22.45	23.5	
			22.37	22.51	23.5	23.5	
			21.48	21.27	21.18	22.5	
			21.44	21.24	21.20	22.5	
1.4M	QPSK	1	0	24.45	24.38	24.29	25.5
				24.34	24.26	24.26	25.5
				24.23	24.19	24.36	25.5
				23.52	23.42	23.23	24.5
				23.39	23.29	23.19	24.5
				23.40	23.36	23.24	24.5
		15	0	23.43	23.42	23.25	24.5
				23.65	23.66	23.60	24.5
				23.62	23.52	23.58	24.5
				23.51	23.43	23.60	24.5
				22.45	22.30	22.21	23.5
				22.40	22.42	22.41	23.5
	16QAM	1	0	23.65	23.66	23.60	24.5
				23.62	23.52	23.58	24.5
				23.51	23.43	23.60	24.5
				22.45	22.30	22.21	23.5
				22.40	22.42	22.41	23.5
				22.54	22.32	22.23	23.5
		8	0				

LTE Band 17 (Ant1)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	23765	23790		23800
10M	QPSK	Frequency (MHz)						
		1	0	24.36	24.46	24.41	25.5	
		1	24	24.34	24.39	24.32	25.5	
		1	48	24.32	24.31	24.40	25.5	
		25	0	23.25	23.27	23.27	24.5	
		25	12	23.34	23.33	23.25	24.5	
		25	25	23.36	23.38	23.29	24.5	
		50	0	23.34	23.38	23.32	24.5	
		1	0	23.56	23.68	23.67	24.5	
		1	24	23.48	23.56	23.60	24.5	
	1	48	23.54	23.52	23.66	24.5		
	25	0	22.27	22.38	22.29	23.5		
	25	12	22.37	22.38	22.36	23.5		
	25	25	22.40	22.30	22.34	23.5		
	50	0	22.32	22.28	22.33	23.5		
	1	0	22.54	22.55	22.59	23.5		
	1	24	22.50	22.54	22.41	23.5		
	1	48	22.44	22.48	22.58	23.5		
	25	0	21.27	21.30	21.28	22.5		
	25	12	21.41	21.39	21.37	22.5		
25	25	21.37	21.31	21.25	22.5			
50	0	21.29	21.30	21.28	22.5			
5M	QPSK	Channel						
		Frequency (MHz)						
		1	0	24.33	24.42	24.26	25.5	
		1	12	24.27	24.29	24.18	25.5	
		1	24	24.30	24.29	24.28	25.5	
		12	0	23.16	23.25	23.20	24.5	
		12	6	23.32	23.18	23.17	24.5	
		12	13	23.30	23.31	23.28	24.5	
		25	0	23.21	23.38	23.22	24.5	
		1	0	23.46	23.59	23.55	24.5	
	1	12	23.44	23.51	23.47	24.5		
	1	24	23.39	23.37	23.63	24.5		
	12	0	22.25	22.30	22.28	23.5		
	12	6	22.24	22.31	22.21	23.5		
	12	13	22.35	22.29	22.30	23.5		
	25	0	22.18	22.20	22.24	23.5		
	1	0	22.49	22.44	22.48	23.5		
	1	12	22.38	22.51	22.35	23.5		
	1	24	22.33	22.39	22.52	23.5		
	12	0	21.16	21.26	21.14	22.5		
12	6	21.40	21.37	21.31	22.5			
12	13	21.27	21.18	21.19	22.5			
25	0	21.22	21.16	21.22	22.5			

LTE Band 26 (Ant1)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	26765	26865		26965
15M	QPSK	Frequency (MHz)						
		1	0	24.58	24.57	24.55	25.5	
		1	37	24.63	24.67	24.64	25.5	
		1	74	24.54	24.62	24.53	25.5	
		36	0	23.52	23.61	23.59	24.5	
		36	19	23.48	23.55	23.57	24.5	
		36	36	23.49	23.49	23.52	24.5	
		75	0	23.57	23.60	23.55	24.5	
		1	0	23.83	23.73	23.77	24.5	
		1	37	23.86	23.82	23.84	24.5	
	1	74	23.88	23.76	23.69	24.5		
	36	0	22.55	22.57	22.60	23.5		
	36	19	22.63	22.55	22.61	23.5		
	36	36	22.61	22.62	22.52	23.5		
	75	0	22.56	22.53	22.54	23.5		
	1	0	22.70	22.65	22.71	23.5		
	1	37	22.78	22.76	22.77	23.5		
	1	74	22.84	22.71	22.63	23.5		
	36	19	21.62	21.57	21.60	22.5		
	36	36	21.61	21.53	21.49	22.5		
75	0	21.53	21.52	21.54	22.5			
10M	QPSK	Channel						
		Frequency (MHz)						
		1	0	24.45	24.55	24.47	25.5	
		1	24	24.55	24.55	24.55	25.5	
		1	48	24.48	24.55	24.47	25.5	
		25	0	23.49	23.49	23.47	24.5	
		25	12	23.37	23.54	23.43	24.5	
		25	25	23.48	23.57	23.46	24.5	
		50	0	23.50	23.52	23.41	24.5	
		1	0	23.68	23.64	23.72	24.5	
	1	24	23.76	23.67	23.77	24.5		
	1	48	23.84	23.74	23.66	24.5		
	25	0	22.54	22.50	22.46	23.5		
	25	12	22.62	22.49	22.58	23.5		
	25	25	22.59	22.41	22.41	23.5		
	50	0	22.47	22.48	22.40	23.5		
	1	0	22.67	22.59	22.65	23.5		
	1	24	22.72	22.62	22.73	23.5		
	1	48	22.52	22.70	22.58	23.5		
	25	0	21.40	21.54	21.44	22.5		
25	12	21.53	21.45	21.45	22.5			
25	25	21.57	21.38	21.38	22.5			
50	0	21.47	21.45	21.52	22.5			
5M	QPSK	Channel						
		Frequency (MHz)						
		1	0	24.54	24.54	24.53	25.5	
		1	12	24.54	24.54	24.59	25.5	
		1	24	24.43	24.53	24.52	25.5	
		12	0	23.48	23.56	23.54	24.5	
		12	6	23.47	23.52	23.51	24.5	
		12	13	23.47	23.53	23.42	24.5	
		25	0	23.48	23.51	23.42	24.5	
		1	0	23.73	23.63	23.69	24.5	
	1	12	23.78	23.69	23.69	24.5		
	1	24	23.87	23.62	23.60	24.5		
	12	0	22.42	22.52	22.56	23.5		
	12	6	22.58	22.53	22.48	23.5		
	12	13	22.51	22.37	22.41	23.5		
	25	0	22.50	22.38	22.46	23.5		
	1	0	22.51	22.56	22.56	23.5		
	1	12	22.73	22.65	22.73	23.5		
	1	24	22.53	22.56	22.51	23.5		
	12	0	21.40	21.50	21.44	22.5		
12	6	21.55	21.51	21.56	22.5			
12	13	21.55	21.41	21.47	22.5			
25	0	21.46	21.48	21.46	22.5			
3M	QPSK	Channel						
		Frequency (MHz)						
		1	0	24.55	24.42	24.42	25.5	
		1	7	24.59	24.59	24.54	25.5	
		1	14	24.38	24.56	24.43	25.5	
		8	0	23.50	23.51	23.57	24.5	
		8	3	23.45	23.42	23.50	24.5	
		8	7	23.47	23.43	23.49	24.5	
		15	0	23.53	23.50	23.50	24.5	
		1	0	23.74	23.71	23.68	24.5	
	1	7	23.81	23.71	23.70	24.5		
	1	14	23.78	23.72	23.60	24.5		
	8	0	22.40	22.44	22.46	23.5		
	8	3	22.51	22.51	22.52	23.5		
	8	7	22.52	22.47	22.46	23.5		
	15	0	22.49	22.52	22.45	23.5		
	1	0	22.57	22.50	22.62	23.5		
	1	7	22.72	22.68	22.72	23.5		
	1	14	22.60	22.56	22.53	23.5		
	8	0	21.48	21.42	21.50	22.5		
8	3	21.59	21.47	21.47	22.5			
8	7	21.53	21.51	21.39	22.5			
15	0	21.43	21.48	21.52	22.5			
1.4M	QPSK	Channel						
		Frequency (MHz)						
		1	0	24.48	24.52	24.53	25.5	
		1	2	24.60	24.61	24.55	25.5	
		1	5	24.41	24.47	24.50	25.5	
		3	0	24.19	24.37	24.34	25.5	
		3	1	24.26	24.31	24.29	25.5	
		3	3	24.19	24.34	24.19	25.5	
		6	0	23.49	23.51	23.45	24.5	
		1	0	23.81	23.84	23.71	24.5	
	1	2	23.81	23.88	23.78	24.5		
	1	5	23.84	23.78	23.64	24.5		
	3	0	23.23	23.37	23.35	24.5		
	3	1	23.39	23.38	23.33	24.5		
	3	3	23.35	23.22	23.25	24.5		
	6	0	22.55	22.48	22.49	23.5		
	1	0	22.55	22.64	22.69	23.5		
	1	2	22.71	22.67	22.62	23.5		
	1	5	22.62	22.65	22.60	23.5		
	3	0	22.33	22.29	22.27	23.5		
3	1	22.34	22.36	22.36	23.5			
3	3	22.33	22.27	22.24	23.5			
6	0	21.44	21.45	21.52	22.5			

LTE Band 38 (Ant1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)		
				Channel	37850	38000		38150	
20M	QPSK	Frequency (MHz)							
		1	0	23.85	23.89	23.91	25.5		
		1	50	23.92	23.99	23.92	25.5		
		1	99	23.73	23.75	23.78	25.5		
		50	0	22.96	22.98	22.97	24.5		
		50	25	22.94	22.96	22.95	24.5		
		50	50	22.92	22.85	22.84	24.5		
		100	0	22.95	22.97	22.92	24.5		
		1	0	22.94	22.93	23.00	24.5		
		1	50	22.96	22.97	23.03	24.5		
	1	99	22.88	22.87	22.86	24.5			
	50	0	21.99	21.98	22.01	23.5			
	50	25	22.02	21.97	22.02	23.5			
	50	50	21.91	21.92	21.97	23.5			
	100	0	21.93	21.94	21.98	23.5			
	1	0	21.72	21.85	21.96	23.5			
	1	50	21.98	21.83	21.77	23.5			
	1	99	21.81	21.89	21.72	23.5			
	15M	QPSK	Channel						
			Frequency (MHz)						
1			0	23.83	23.88	23.79	25.5		
1			37	23.85	23.90	23.80	25.5		
1			74	23.70	23.73	23.66	25.5		
36			0	22.81	22.94	22.94	24.5		
36			19	22.93	22.81	22.94	24.5		
36			39	22.81	22.74	22.90	24.5		
75			0	22.94	22.95	22.82	24.5		
1			0	22.86	22.84	22.90	24.5		
1		37	22.92	22.84	22.95	24.5			
1		74	2						

LTE Band 41 (Ant1)											
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Max. Tune-up (dBm)		
				Channel	39750	40185	40620	41055		41490	
20M	QPSK	50	0	24.02	23.98	23.90	23.96	23.78	25.5		
			1	23.99	23.88	23.89	23.91	23.73	25.5		
			1	23.92	23.71	23.78	23.72	23.66	25.5		
			50	0	23.14	22.93	22.97	22.94	22.84	24.5	
			50	25	23.10	22.85	22.91	22.87	22.81	24.5	
			50	50	23.08	22.81	22.96	22.82	22.74	24.5	
		100	0	23.09	22.88	22.95	22.89	22.79	24.5		
		1	0	23.06	23.01	22.98	22.97	22.78	24.5		
		1	50	23.11	22.89	22.91	22.90	22.83	24.5		
		1	99	23.05	22.75	22.88	22.74	22.76	24.5		
		50	0	22.05	21.95	21.95	21.94	21.84	23.5		
		50	25	22.09	21.86	21.84	21.87	21.83	23.5		
	50	50	22.08	21.83	21.93	21.82	21.73	23.5			
	100	0	22.07	21.89	21.95	21.90	21.78	23.5			
	16QAM	1	0	21.82	21.76	21.73	21.71	21.85	23.5		
		1	50	21.98	21.85	21.76	21.67	21.79	23.5		
		1	99	21.89	21.78	21.84	21.63	21.68	23.5		
		50	0	21.01	20.93	20.91	20.90	20.81	22.5		
		50	25	21.04	20.84	20.93	20.83	20.75	22.5		
		50	50	21.02	20.78	20.87	20.79	20.68	22.5		
		100	0	21.05	20.86	20.88	20.85	20.73	22.5		
		64QAM	Channel	39725	40173	40620	41048	41515			
			Frequency (MHz)	2892.5	2848.3	2893	2837.8	2882.4			
			1	0	24.00	23.89	23.86	23.92	23.63	25.5	
1			37	23.94	23.81	23.80	23.79	23.58	25.5		
1			74	23.90	23.61	23.67	23.61	23.53	25.5		
36	0		23.04	22.80	22.90	22.84	22.71	24.5			
36	19		22.86	22.80	22.90	22.79	22.67	24.5			
36	39		22.97	22.71	22.86	22.74	22.68	24.5			
75	0		23.02	22.79	22.94	22.75	22.77	24.5			
1	0		22.98	22.91	22.97	22.90	22.75	24.5			
1	37		23.06	22.77	22.87	22.83	22.81	24.5			
1	74		22.99	22.67	22.78	22.60	22.75	24.5			
36	0	21.96	21.81	21.90	21.87	21.81	23.5				
36	19	22.08	21.78	21.93	21.75	21.79	23.5				
36	39	22.04	21.81	21.79	21.75	21.63	23.5				
75	0	22.03	21.84	21.88	21.83	21.71	23.5				
1	0	21.74	21.67	21.69	21.63	21.75	23.5				
1	37	21.83	21.81	21.74	21.62	21.65	23.5				
1	74	21.75	21.73	21.51	21.61	21.64	23.5				
36	0	20.80	20.86	20.77	20.87	20.73	22.5				
36	19	20.90	20.70	20.76	20.77	20.63	22.5				
36	39	20.98	20.76	20.72	20.64	20.58	22.5				
75	0	21.03	20.81	20.84	20.80	20.63	22.5				
15M	QPSK	36	0	24.00	23.96	23.92	23.92	23.63	25.5		
			1	24	23.97	23.78	23.78	23.82	23.60	25.5	
			1	49	23.88	23.66	23.76	23.70	23.51	25.5	
			25	0	23.07	22.92	22.94	22.90	22.83	24.5	
			25	12	22.99	22.81	22.82	22.79	22.69	24.5	
			25	25	22.96	22.74	22.89	22.70	22.64	24.5	
		50	0	22.96	22.80	22.83	22.84	22.78	24.5		
		1	0	22.91	22.92	22.85	22.96	22.77	24.5		
		1	24	23.03	22.78	22.79	22.83	22.71	24.5		
		1	49	23.04	22.71	22.79	22.65	22.71	24.5		
		25	0	21.97	21.80	21.85	21.88	21.79	23.5		
		25	12	22.07	21.75	21.83	21.73	21.76	23.5		
	25	25	22.07	21.81	21.88	21.67	21.72	23.5			
	50	0	22.02	21.77	21.90	21.75	21.63	23.5			
	16QAM	1	0	21.71	21.65	21.71	21.63	21.80	23.5		
		1	24	21.85	21.79	21.64	21.63	21.75	23.5		
		1	49	21.83	21.66	21.63	21.52	21.58	23.5		
		25	0	20.99	20.89	20.76	20.77	20.75	22.5		
		25	12	20.94	20.81	20.89	20.68	20.63	22.5		
		25	25	20.88	20.63	20.72	20.69	20.60	22.5		
		50	0	20.97	20.78	20.80	20.82	20.71	22.5		
		64QAM	Channel	39700	40146	40620	41088	41640			
			Frequency (MHz)	2891	2847	2893	2839	2885			
			1	0	23.93	23.94	23.76	23.89	23.65	25.5	
1			24	23.97	23.78	23.78	23.82	23.60	25.5		
1			49	23.88	23.66	23.76	23.70	23.51	25.5		
25	0		23.07	22.92	22.94	22.90	22.83	24.5			
25	12		22.99	22.81	22.82	22.79	22.69	24.5			
25	25		22.96	22.74	22.89	22.70	22.64	24.5			
50	0		22.96	22.80	22.83	22.84	22.78	24.5			
1	0		22.91	22.92	22.85	22.96	22.77	24.5			
1	24		23.03	22.78	22.79	22.83	22.71	24.5			
1	49		23.04	22.71	22.79	22.65	22.71	24.5			
25	0	21.97	21.80	21.85	21.88	21.79	23.5				
25	12	22.07	21.75	21.83	21.73	21.76	23.5				
25	25	22.07	21.81	21.88	21.67	21.72	23.5				
50	0	22.02	21.77	21.90	21.75	21.63	23.5				
10M	QPSK	25	0	24.00	23.96	23.92	23.92	23.63	25.5		
			1	24	23.97	23.78	23.78	23.82	23.60	25.5	
			1	49	23.88	23.66	23.76	23.70	23.51	25.5	
			25	0	23.07	22.92	22.94	22.90	22.83	24.5	
			25	12	22.99	22.81	22.82	22.79	22.69	24.5	
			25	25	22.96	22.74	22.89	22.70	22.64	24.5	
		50	0	22.96	22.80	22.83	22.84	22.78	24.5		
		1	0	22.91	22.92	22.85	22.96	22.77	24.5		
		1	24	23.03	22.78	22.79	22.83	22.71	24.5		
		1	49	23.04	22.71	22.79	22.65	22.71	24.5		
		25	0	21.97	21.80	21.85	21.88	21.79	23.5		
		25	12	22.07	21.75	21.83	21.73	21.76	23.5		
	25	25	22.07	21.81	21.88	21.67	21.72	23.5			
	50	0	22.02	21.77	21.90	21.75	21.63	23.5			
	16QAM	1	0	21.71	21.65	21.71	21.63	21.80	23.5		
		1	24	21.85	21.79	21.64	21.63	21.75	23.5		
		1	49	21.83	21.66	21.63	21.52	21.58	23.5		
		25	0	20.99	20.89	20.76	20.77	20.75	22.5		
		25	12	20.94	20.81	20.89	20.68	20.63	22.5		
		25	25	20.88	20.63	20.72	20.69	20.60	22.5		
		50	0	20.97	20.78	20.80	20.82	20.71	22.5		
		64QAM	Channel	39675	40146	40620	41093	41655			
			Frequency (MHz)	2888.5	2845.8	2893	2839.3	2885.5			
			1	0	23.95	23.89	23.75	23.81	23.70	25.5	
1			12	23.93	23.76	23.84	23.76	23.58	25.5		
1			24	23.85	23.66	23.64	23.69	23.64	25.5		
12	0		23.05	22.81	22.84	22.93	22.79	24.5			
12	6		22.95	22.71	22.86	22.82	22.68	24.5			
12	13		23.07	22.79	22.93	22.75	22.59	24.5			
25	0		23.07	22.75	22.94	22.76	22.74	24.5			
1	0		22.93	22.94	22.86	22.93	22.67	24.5			
1	12		23.04	22.79	22.78	22.76	22.81	24.5			
1	24		22.94	22.68	22.84	22.72	22.64	24.5			
12	0	21.95	21.82	21.81	21.86	21.71	23.5				
12	6	22.00	21.85	21.88	21.73	21.80	23.5				
12	13	22.00	21.77	21.79	21.81	21.71	23.5				
25	0	22.04	21.78	21.84	21.82	21.67	23.5				
1	0	21.67	21.70	21.61	21.57	21.80	23.5				
1	12	21.92	21.74	21.68	21.56	21.66	23.5				
1	24	21.75	21.75	21.54	21.59	21.62	23.5				
12	0	21.00	20.87	20.86	20.87	20.77	22.5				
12	6	21.00	20.81	20.80	20.74	20.68	22.5				
12	13	20.90	20.74	20.75	20.75	20.64	22.5				
25	0	21.03	20.75	20.76	20.79	20.58	22.5				

LTE Band 66 (Ant1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)		
				Channel	13202	13232		13272	
20M	QPSK	50	0	24.15	24.41	24.45	25.5		
			1	50	24.46	24.61	24.42	25.5	
			1	99	24.40	24.27	24.35	25.5	
			50	0	23.31	23.39	23.40	24.5	
			50	25	23.45	23.52	23.41	24.5	
			50	50	23.47	23.56	23.43	24.5	
		100	0	23.37	23.54	23.36	24.5		
		1	0	23.46	23.45	23.35	24.5		
		1	50	23.31	23.67	23.61	24.5		
		1	99	23.75	23.60	23.65	24.5		
		50	0	22.50	22.44	22.33	23.5		
		50	25	22.49	22.49	22.39	23.5		
	50	50	22.51	22.43	22.38	23.5			
	100	0	22.33						

LTE_Ant2 DS12 Power

LTE Band 42 FCC Part7Q (An2)									
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)	RB Offset	
		RB Size	RB Offset						
20M	QPSK	1	0	20.98	20.89	20.95	22	1	0
		1	50	21.11	21.00	20.97	22	1	50
		1	99	20.89	20.86	20.81	22	1	99
		50	0	20.10	20.03	19.96	21	50	0
		50	25	20.21	20.12	20.02	21	50	25
		50	50	20.15	19.93	19.92	21	50	50
	16QAM	1	0	20.17	19.98	20.06	21	1	0
		1	50	20.25	20.04	19.96	21	1	50
		1	99	20.10	19.93	19.95	21	1	99
		50	0	19.21	19.03	18.97	20	50	0
		50	25	19.14	19.01	19.02	20	50	25
		50	50	19.12	19.06	18.99	20	50	50
	64QAM	100	0	18.08	18.02	18.53	20	100	0
		1	0	18.68	18.62	18.53	20	1	0
		1	50	18.80	18.63	18.53	20	1	50
		1	99	18.67	18.60	18.47	20	1	99
		50	0	18.11	18.03	17.89	19	50	0
		50	25	18.05	18.05	17.98	19	50	25
15M	QPSK	1	0	20.95	20.81	20.88	22	1	0
		1	37	21.04	20.95	20.88	22	1	37
		1	74	20.88	20.85	20.80	22	1	74
		36	0	20.01	19.84	19.92	21	36	0
		36	19	20.13	19.98	19.94	21	36	19
		36	39	20.06	19.92	19.83	21	36	39
	16QAM	1	0	20.03	19.95	19.90	21	1	0
		1	37	20.19	19.84	19.87	21	1	37
		1	74	20.03	19.89	19.83	21	1	74
		36	0	19.07	18.96	18.87	20	36	0
		36	19	19.02	18.97	18.97	20	36	19
		36	39	19.04	18.99	18.89	20	36	39
	64QAM	75	0	18.97	18.89	18.83	20	75	0
		1	0	18.59	18.57	18.51	20	1	0
		1	37	18.66	18.57	18.45	20	1	37
		1	74	18.58	18.55	18.36	20	1	74
		36	0	17.96	17.95	17.82	19	36	0
		36	19	17.93	17.90	17.91	19	36	19
10M	QPSK	1	0	20.92	20.80	20.93	22	1	0
		1	24	20.99	20.85	20.85	22	1	24
		1	49	20.85	20.85	20.72	22	1	49
		25	0	19.85	19.80	19.82	21	25	0
		25	12	20.14	20.07	19.96	21	25	12
		25	25	20.06	19.88	19.84	21	25	25
	16QAM	1	0	20.09	19.85	19.98	21	1	0
		1	24	20.24	19.96	19.88	21	1	24
		1	49	20.04	19.78	19.89	21	1	49
		25	0	19.08	18.88	18.83	20	25	0
		25	12	19.01	18.87	18.96	20	25	12
		25	25	19.11	19.02	18.92	20	25	25
	64QAM	50	0	18.01	18.06	18.85	20	50	0
		1	0	18.58	18.49	18.56	20	1	0
		1	24	18.71	18.61	18.46	20	1	24
		1	49	18.52	18.55	18.35	20	1	49
		25	0	17.99	17.97	17.81	19	25	0
		25	12	18.03	17.99	17.96	19	25	12
5M	QPSK	1	0	20.89	20.76	20.83	22	1	0
		1	12	20.99	20.92	20.85	22	1	12
		1	24	20.82	20.78	20.68	22	1	24
		12	0	20.00	19.91	19.85	21	12	0
		12	6	20.07	19.99	19.90	21	12	6
		12	13	20.13	19.82	19.87	21	12	13
	16QAM	1	0	20.16	19.97	19.92	21	1	0
		1	12	20.24	19.90	19.83	21	1	12
		1	24	20.01	19.78	19.81	21	1	24
		12	0	19.07	18.96	18.90	20	12	0
		12	6	19.09	18.97	18.99	20	12	6
		12	13	18.98	19.03	18.89	20	12	13
	64QAM	25	0	19.00	18.85	18.84	20	25	0
		1	0	18.63	18.50	18.56	20	1	0
		1	12	18.77	18.55	18.49	20	1	12
		1	24	18.61	18.47	18.32	20	1	24
		12	0	17.97	17.93	17.83	19	12	0
		12	6	17.92	18.00	17.88	19	12	6

LTE Band 42 FCC Part96 (An2)									
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)	RB Offset	
		RB Size	RB Offset						
20M	QPSK	1	0	20.96	20.87	20.77	22	1	0
		1	50	20.88	20.93	20.82	22	1	50
		1	99	20.88	20.74	20.82	22	1	99
		50	0	20.02	19.89	19.81	21	50	0
		50	25	20.00	19.98	19.81	21	50	25
		50	50	20.01	19.88	19.72	21	50	50
	16QAM	1	0	20.03	20.05	19.90	21	1	0
		1	50	20.00	19.95	19.86	21	1	50
		1	99	20.00	19.96	19.74	21	1	99
		50	0	18.84	18.96	18.79	20	50	0
		50	25	18.95	18.95	18.84	20	50	25
		50	50	19.05	18.91	18.76	20	50	50
	64QAM	100	0	18.01	18.84	18.81	20	100	0
		1	0	18.60	18.52	18.47	20	1	0
		1	50	18.59	18.59	18.41	20	1	50
		1	99	18.52	18.27	18.41	20	1	99
		50	0	17.84	17.88	17.82	19	50	0
		50	25	17.83	17.84	17.73	19	50	25
15M	QPSK	1	0	20.87	20.72	20.64	22	1	0
		1	37	20.83	20.79	20.79	22	1	37
		1	74	20.87	20.60	20.49	22	1	74
		36	0	19.88	19.83	19.69	21	36	0
		36	19	19.98	19.91	19.75	21	36	19
		36	39	19.95	19.78	19.65	21	36	39
	16QAM	1	0	19.84	19.85	19.69	21	1	0
		1	37	19.97	19.89	19.91	21	1	37
		1	74	19.98	19.85	19.69	21	1	74
		36	0	18.81	18.94	18.89	20	36	0
		36	19	18.84	18.96	18.88	20	36	19
		36	39	19.02	18.84	18.62	20	36	39
	64QAM	75	0	18.85	18.83	18.70	20	75	0
		1	0	18.50	18.43	18.41	20	1	0
		1	37	18.52	18.49	18.39	20	1	37
		1	74	18.40	18.26	18.36	20	1	74
		36	0	17.92	17.90	17.72	19	36	0
		36	19	17.87	17.83	17.59	19	36	19
10M	QPSK	1	0	20.95	20.76	20.73	22	1	0
		1	24	20.97	20.89	20.72	22	1	24
		1	49	20.77	20.64	20.61	22	1	49
		25	0	20.00	19.96	19.86	21	25	0
		25	12	20.13	19.83	19.70	21	25	12
		25	25	20.09	19.74	19.69	21	25	25
	16QAM	1	0	20.09	19.83	19.82	21	1	0
		1	24	20.83	19.88	19.81	21	1	24
		1	49	20.86	19.85	19.63	21	1	49
		25	0	18.79	18.80	18.69	20	25	0
		25	12	18.81	18.88	18.75	20	25	12
		25	25	18.91	18.84	18.73	20	25	25
	64QAM	50	0	18.92	18.87	18.72	20	50	0
		1	0	18.58	18.51	18.32	20	1	0
		1	24	18.58	18.56	18.38	20	1	24
		1	49	18.51	18.16	18.39	20	1	49
		25	0	17.93	17.86	17.70	19	25	0
		25	12	17.79	17.81	17.71	19	25	12
5M	QPSK	1	0	20.84	20.78	20.64	22	1	0
		1	12	20.86	20.91	20.76	22	1	12
		1	24	20.75	20.67	20.58	22	1	24
		12	0	19.83	19.97	19.71	21	12	0
		12	6	19.96	19.95	19.68	21	12	6
		12	13	20.00	19.78	19.70	21	12	13
	16QAM	1	0	20.01	20.04	19.77	21	1	0
		1	12	20.00	19.92	19.87	21	1	12
		1	24	19.95	19.75	19.72	21	1	24
		12	0	18.84	18.84	18.73	20	12	0
		12	6	18.94	18.84	18.87	20	12	6
		12	13	18.92	18.80	18.73	20	12	13
	64QAM	25	0	18.99	18.88	18.73	20	25	0
		1	0	18.57	18.46	18.32	20	1	0
		1	12	18.57	18.54	18.33	20	1	12
		1	24	18.39	18.20	18.35	20	1	24
		12	0	17.91	17.97	17.68	19	12	0
		12	6	17.81	17.90	17.60	19	12	6

LTE Band 48 for SAR (An2)										
BW	MCS Index	RB Size		Low	Low Mid	High Mid	High	Max. Tune-up (dBm)	RB Offset	
		RB Size	RB Offset							
20M	QPSK	1	0	20.91	20.63	20				

LTE_Ant3 DS12 Power

LTE Band 2 (Ant3)							
BW	Modulation	RB Size		Low	Mid	High	Max. Time-up (dBm)
		Channel	RB Offset				
		Channel	RB Offset	1890	1890	1910	Max. Time-up (dBm)
		Frequency (MHz)	1890	1890	1910	1910	
20M	QPSK	1	0	23.64	23.72	23.68	25
		1	50	23.86	23.79	23.74	25
		1	99	23.71	23.75	23.66	25
		50	0	22.75	22.81	22.77	24
		50	25	22.87	22.85	22.82	24
		50	50	22.69	22.78	22.66	24
	16QAM	100	0	22.76	22.56	22.64	24
		1	0	22.82	22.91	22.86	24
		1	50	22.86	23.13	23.02	24
		1	99	23.04	23.01	22.96	24
		50	0	21.61	21.86	21.76	23
		50	25	21.71	21.85	21.75	23
64QAM	50	50	21.75	21.88	21.89	23	
	100	0	21.73	21.82	21.78	23	
	1	0	21.73	21.82	21.77	23	
	1	50	21.93	21.95	21.82	23	
	1	99	21.82	21.84	21.77	23	
	50	0	20.69	21.03	20.95	22	
15M	QPSK	1	0	20.85	20.96	20.88	22
		1	50	20.99	21.07	20.95	22
		1	99	21.07	21.02	20.94	22
		36	0	22.74	22.79	22.64	24
		36	19	22.86	22.72	22.68	24
		36	39	22.60	22.76	22.62	24
	16QAM	75	0	22.73	22.45	22.61	24
		1	0	22.68	22.77	22.62	24
		1	37	22.97	23.00	22.88	24
		1	74	22.95	22.88	22.83	24
		36	0	21.53	21.82	21.69	23
		36	19	21.59	21.73	21.65	23
64QAM	36	39	21.71	21.76	21.59	23	
	75	0	21.54	21.76	21.63	23	
	1	0	21.70	21.69	21.69	23	
	1	37	21.88	21.80	21.81	23	
	1	74	21.73	21.76	21.69	23	
	36	0	20.66	20.96	20.83	22	
BW	QPSK	36	19	20.74	20.88	20.83	22
		36	39	20.84	20.84	20.81	22
		75	0	20.79	20.88	20.80	22
		1	0	20.79	20.88	20.80	22
		1	37	22.87	22.77	22.88	24
		1	74	22.87	22.98	22.84	24
	16QAM	1	49	23.01	22.91	22.91	24
		25	0	21.47	21.74	21.70	23
		25	12	21.64	21.73	21.69	23
		25	25	21.72	21.75	21.64	23
		50	0	21.66	21.69	21.65	23
		50	0	21.63	21.87	21.84	23
64QAM	1	24	21.87	21.92	21.79	23	
	1	49	21.78	21.78	21.67	23	
	25	0	20.68	21.01	20.94	22	
	25	12	20.82	20.94	20.82	22	
	25	25	20.96	20.97	20.83	22	
	50	0	20.73	20.99	20.69	22	
10M	QPSK	1	0	23.56	23.68	23.64	25
		1	24	23.76	23.76	23.66	25
		1	49	23.65	23.65	23.53	25
		25	0	22.73	22.66	22.66	24
		25	12	22.83	22.74	22.74	24
		25	25	22.61	22.76	22.56	24
	16QAM	50	0	22.71	22.44	22.60	24
		1	0	22.67	22.77	22.68	24
		1	24	22.87	23.08	22.94	24
		1	49	23.01	22.91	22.91	24
		25	0	21.47	21.74	21.70	23
		25	12	21.64	21.73	21.69	23
64QAM	25	25	21.72	21.75	21.64	23	
	50	0	21.66	21.69	21.65	23	
	1	0	21.63	21.87	21.84	23	
	1	24	21.87	21.92	21.79	23	
	1	49	21.78	21.78	21.67	23	
	25	0	20.68	21.01	20.94	22	
BW	QPSK	25	12	20.82	20.94	20.82	22
		25	25	20.96	20.97	20.83	22
		50	0	20.73	20.99	20.69	22
		1	0	23.55	23.70	23.58	25
		1	7	23.79	23.73	23.71	25
		1	14	23.63	23.73	23.55	25
	16QAM	8	0	22.65	22.68	22.67	24
		8	3	22.82	22.78	22.71	24
		8	7	22.68	22.76	22.54	24
		15	0	22.68	22.51	22.61	24
		1	0	22.69	22.85	22.92	24
		1	7	22.96	23.08	22.91	24
64QAM	1	14	22.94	22.95	22.92	24	
	8	0	21.60	21.77	21.67	23	
	8	3	21.56	21.79	21.67	23	
	8	7	21.74	21.87	21.59	23	
	15	0	21.62	21.70	21.58	23	
	1	0	21.71	21.75	21.67	23	
3M	QPSK	1	0	21.80	21.85	21.68	23
		1	14	21.79	21.72	21.62	23
		8	0	20.67	20.97	20.81	22
		8	3	20.76	20.87	20.86	22
		8	7	20.86	21.02	20.73	22
		15	0	20.74	20.98	20.72	22
	16QAM	1	0	21.62	21.70	21.58	23
		1	2	22.87	23.05	22.96	24
		1	5	23.00	22.98	22.89	24
		3	0	22.98	22.98	22.83	24
		3	1	22.37	22.83	22.50	24
		3	3	22.52	22.83	22.41	24
64QAM	6	0	21.56	21.70	21.62	23	
	1	0	21.72	21.81	21.67	23	
	1	2	21.81	21.88	21.68	23	
	1	5	21.75	21.68	21.69	23	
	3	0	21.43	21.79	21.68	23	
	3	1	21.53	21.61	21.54	23	
BW	QPSK	3	3	21.78	21.76	21.55	23
		6	0	20.82	20.99	20.81	22
		1	0	23.53	23.68	23.56	25
		1	2	23.81	23.70	23.62	25
		1	5	23.70	23.69	23.54	25
		3	0	23.46	23.54	23.52	25
	16QAM	3	1	23.66	23.53	23.51	25
		3	3	23.38	23.45	23.36	25
		6	0	22.68	22.45	22.45	24
		1	0	22.68	22.90	22.93	24
		1	2	22.87	23.05	22.96	24
		1	5	23.00	22.98	22.89	24
64QAM	3	0	22.98	22.98	22.83	24	
	3	1	22.37	22.83	22.50	24	
	3	3	22.52	22.83	22.41	24	
	6	0	21.56	21.70	21.62	23	
	1	0	21.72	21.81	21.67	23	
	1	2	21.81	21.88	21.68	23	
1.4M	QPSK	1	0	21.73	21.73	21.69	23
		1	5	21.75	21.68	21.69	23
		3	0	21.43	21.79	21.68	23
		3	1	21.53	21.61	21.54	23
		3	3	21.78	21.76	21.55	23
		6	0	20.82	20.99	20.81	22
	16QAM	1	0	23.51	23.64	23.52	25
		1	2	23.71	23.65	23.70	25
		1	5	23.57	23.70	23.67	25
		3	0	23.46	23.62	23.54	25
		3	1	23.63	23.65	23.63	25
		3	3	23.38	23.59	23.57	25
64QAM	6	0	22.68	22.72	22.54	24	
	1	0	22.75	22.80	22.81	24	
	1	2	22.91	23.09	22.97	24	
	1	5	22.87	22.75	22.80	24	
	3	0	22.86	22.99	22.80	24	
	3	1	22.64	22.83	22.55	24	

LTE Band 4 (Ant3)							
BW	Modulation	RB Size		Low	Mid	High	Max. Time-up (dBm)
		Channel	RB Offset				
		Channel	RB Offset	2085 <th>2085 <th>2099 <th>Max. Time-up (dBm)</th> </th></th>	2085 <th>2099 <th>Max. Time-up (dBm)</th> </th>	2099 <th>Max. Time-up (dBm)</th>	Max. Time-up (dBm)
		Frequency (MHz)	1720	1725.5	1745	1745	
20M	QPSK	1	0	23.65	23.69	23.73	25.5
		1	50	23.86	23.90	23.84	25.5
		1	99	23.66	23.75	23.71	25.5
		50	0	22.80	22.87	22.84	24.5
		50	25	22.74	22.85	22.82	24.5
		50	50	22.68	22.79	22.75	24.5
	16QAM	100	0	22.72	22.75	22.69	24.5
		1	0	22.90	22.94	22.84	24.5
		1	50	22.93	23.14	22.91	24.5
		1	99	23.02	22.85	22.93	24.5
		50	0	21.88	21.73	21.82	23.5
		50	25	21.77	21.75	21.71	23.5
64QAM	50	50	21.67	21.77	21.84	23.5	
	100	0	21.74	21.82	21.79	23.5	
	1	0	21.87	21.87	21.73	23.5	
	1	50	21.89	21.85	21.79	23.5	
	1	99	21.81	21.77	21.71	23.5	
	50	0	20.82	20.93	20.88	22.5	
15M	QPSK	50	25	20.78	20.84	20.92	22.5
		50	50	20.93	21.10	20.78	22.5
		100	0	20.70	21.02	20.70	22.5
		1	0	23.51	23.60	23.70	25.5
		1	37	23.71	23.79	23.71	25.5
		1	74	23.54	23.64	23.58	25.5
	16QAM	36	0	22.76	22.74	22.81	24.5
		36	19	22.62	22.80	22.70	24.5
		36	39	22.56	22.68	22.66	24.5
		75	0	22.68	22.44	22.65	24.5
		1	0	22.82	22.92	22.70	24.5
		1	37	22.89	23.11	22.89	24.5
64QAM	1	74	22.98	22.73	22.83	24.5	
	36	0	21.83	21.58	21.80	23.5	
	36	19	21.79	21.68	21.59	23.5	
	36	39					

LTE Band 66 (Ant3)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)
		Channel Frequency (MHz)	1715	1822	1929	2036	
20M	QPSK	1	0	23.83	23.70	23.85	25.5
		1	50	23.91	23.96	23.91	25.5
		1	99	23.79	23.73	23.88	25.5
		50	0	22.85	22.93	22.78	24.5
		50	25	22.93	22.98	22.88	24.5
		50	50	22.81	22.78	22.82	24.5
	100	0	22.79	22.85	22.88	24.5	
	1	0	22.79	22.85	22.88	24.5	
	1	50	22.92	22.90	23.08	24.5	
	1	99	22.97	22.90	23.08	24.5	
	50	0	21.90	21.70	21.88	23.5	
	50	25	21.76	21.65	21.74	23.5	
50	50	21.53	21.69	21.93	23.5		
100	0	21.79	21.87	21.74	23.5		
20M	16QAM	1	0	21.71	21.88	21.76	23.5
		1	50	21.85	21.90	21.78	23.5
		1	99	21.82	21.79	21.66	23.5
		50	0	20.88	20.88	20.86	22.5
		50	25	20.85	20.75	20.88	22.5
		50	50	20.90	20.86	20.84	22.5
	100	0	20.77	20.97	20.81	22.5	
	64QAM	1	0	21.71	21.88	21.76	23.5
		1	50	21.85	21.90	21.78	23.5
		1	99	21.82	21.79	21.66	23.5
		50	0	20.88	20.88	20.86	22.5
		50	25	20.85	20.75	20.88	22.5
50		50	20.90	20.86	20.84	22.5	
100	0	20.77	20.97	20.81	22.5		
20M	QPSK	Channel	1822	1929	2036	2143	Max. Time-up (dBm)
		Frequency (MHz)	1715	1715	1715	1715	22.5
		1	0	23.77	23.62	23.74	25.5
		1	37	23.77	23.67	23.80	25.5
		1	74	23.74	23.65	23.77	25.5
		36	0	22.75	22.90	22.71	24.5
	36	19	22.85	22.83	22.80	24.5	
	36	39	22.77	22.63	22.68	24.5	
	75	0	22.74	22.81	22.61	24.5	
	1	0	22.74	22.74	22.78	24.5	
	1	37	22.71	23.08	22.93	24.5	
	1	74	22.90	22.75	23.01	24.5	
36	0	21.88	21.60	21.81	23.5		
36	19	21.67	21.58	21.70	23.5		
36	39	21.59	21.62	21.78	23.5		
75	0	21.70	21.83	21.70	23.5		
15M	16QAM	1	0	21.69	21.82	21.67	23.5
		1	37	21.80	21.77	21.71	23.5
		1	74	21.71	21.66	21.55	23.5
		36	0	20.79	20.70	20.82	22.5
		36	19	20.78	20.68	20.79	22.5
		36	39	20.80	20.75	20.69	22.5
	75	0	20.69	20.83	20.69	22.5	
	64QAM	1	0	21.69	21.82	21.67	23.5
		1	37	21.80	21.77	21.71	23.5
		1	74	21.71	21.66	21.55	23.5
		36	0	20.79	20.70	20.82	22.5
		36	19	20.78	20.68	20.79	22.5
36		39	20.80	20.75	20.69	22.5	
75	0	20.69	20.83	20.69	22.5		
10M	QPSK	Channel	1822	1929	2036	2143	Max. Time-up (dBm)
		Frequency (MHz)	1715	1715	1715	1715	22.5
		1	0	23.78	23.67	23.71	25.5
		1	24	23.77	23.60	23.84	25.5
		1	49	23.78	23.71	23.85	25.5
		25	0	22.75	22.90	22.71	24.5
	25	12	22.83	22.89	22.80	24.5	
	25	25	22.75	22.75	22.73	24.5	
	50	0	22.65	22.82	22.63	24.5	
	1	0	22.65	22.84	22.78	24.5	
	1	24	22.75	23.08	22.85	24.5	
	1	49	22.82	22.89	23.07	24.5	
25	0	21.80	21.62	21.77	23.5		
25	12	21.63	21.54	21.63	23.5		
25	25	21.56	21.78	21.83	23.5		
50	0	21.74	21.81	21.70	23.5		
10M	16QAM	1	0	21.60	21.74	21.64	23.5
		1	24	21.72	21.77	21.71	23.5
		1	49	21.79	21.71	21.59	23.5
		25	0	20.79	20.80	20.84	22.5
		25	12	20.76	20.61	20.80	22.5
		25	25	20.77	20.83	20.74	22.5
	50	0	20.64	20.94	20.70	22.5	
	64QAM	1	0	21.60	21.74	21.64	23.5
		1	24	21.72	21.77	21.71	23.5
		1	49	21.79	21.71	21.59	23.5
		25	0	20.79	20.80	20.84	22.5
		25	12	20.76	20.61	20.80	22.5
25		25	20.77	20.83	20.74	22.5	
50	0	20.64	20.94	20.70	22.5		
10M	QPSK	Channel	1822	1929	2036	2143	Max. Time-up (dBm)
		Frequency (MHz)	1715	1715	1715	1715	22.5
		1	0	23.70	23.64	23.80	25.5
		1	12	23.84	23.84	23.87	25.5
		1	24	23.64	23.61	23.82	25.5
		12	0	22.76	22.80	22.73	24.5
	12	6	22.80	22.84	22.71	24.5	
	12	13	22.78	22.84	22.77	24.5	
	25	0	22.69	22.71	22.68	24.5	
	1	0	22.77	22.79	22.79	24.5	
	1	12	22.70	23.08	22.87	24.5	
	1	24	22.92	22.77	22.98	24.5	
12	0	21.79	21.66	21.81	23.5		
12	6	21.65	21.55	21.64	23.5		
12	13	21.53	21.99	21.82	23.5		
25	0	21.70	21.73	21.69	23.5		
5M	16QAM	1	0	21.61	21.76	21.66	23.5
		1	12	21.78	21.85	21.74	23.5
		1	24	21.71	21.76	21.60	23.5
		12	0	20.86	20.74	20.83	22.5
		12	6	20.82	20.73	20.81	22.5
		12	13	20.85	20.84	20.77	22.5
	25	0	20.73	20.83	20.75	22.5	
	64QAM	1	0	21.61	21.76	21.66	23.5
		1	12	21.78	21.85	21.74	23.5
		1	24	21.71	21.76	21.60	23.5
		12	0	20.86	20.74	20.83	22.5
		12	6	20.82	20.73	20.81	22.5
12		13	20.85	20.84	20.77	22.5	
25	0	20.73	20.83	20.75	22.5		
1.4M	QPSK	Channel	1822	1929	2036	2143	Max. Time-up (dBm)
		Frequency (MHz)	1715	1715	1715	1715	22.5
		1	0	23.71	23.63	23.78	25.5
		1	7	23.84	23.91	23.88	25.5
		1	14	23.69	23.71	23.76	25.5
		8	0	22.76	22.80	22.69	24.5
	8	3	22.82	22.87	22.82	24.5	
	8	7	22.74	22.74	22.81	24.5	
	15	0	22.71	22.71	22.59	24.5	
	1	0	22.69	22.81	22.78	24.5	
	1	7	22.71	23.16	22.91	24.5	
	1	14	22.93	22.82	23.02	24.5	
8	0	21.87	21.68	21.76	23.5		
8	3	21.75	21.53	21.69	23.5		
8	7	21.56	21.78	21.87	23.5		
15	0	21.60	21.66	21.60	23.5		
1.4M	16QAM	1	0	21.65	21.87	21.70	23.5
		1	7	21.83	21.85	21.63	23.5
		1	14	21.89	21.79	21.62	23.5
		8	0	20.87	20.87	20.88	22.5
		8	3	20.82	20.68	20.86	22.5
		8	7	20.80	20.74	20.76	22.5
	15	0	20.75	20.86	20.71	22.5	
	64QAM	1	0	21.65	21.87	21.70	23.5
		1	7	21.83	21.85	21.63	23.5
		1	14	21.89	21.79	21.62	23.5
		8	0	20.87	20.87	20.88	22.5
		8	3	20.82	20.68	20.86	22.5
8		7	20.80	20.74	20.76	22.5	
15	0	20.75	20.86	20.71	22.5		

LTE Band 38 (Ant3)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)
		Channel Frequency (MHz)	2580 <th>2688 <th>2796 <th>2904 </th></th></th>	2688 <th>2796 <th>2904 </th></th>	2796 <th>2904 </th>	2904	
20M	QPSK	1	0	23.43	23.46	23.39	25
		1	50	23.54	23.69	23.50	25
		1	99	23.53	23.46	23.36	25
		50	0	22.55	22.58	22.46	24
		50	25	22.51	22.49	22.34	24
		50	50	22.47	22.41	22.46	24
	100	0	22.43	22.52	22.49	24	
	1	0	22.53	22.53	22.53	24	
	1	50	22.64	22.64	22.52	24	
	1	99	22.42	22.25	22.34	24	
	50	0	21.58	21.55	21.47	23	
	50	25	21.49	21.45	21.50	23	
50	50	21.48	21.41	21.46	23		
100	0	21.51	21.47	21.47	23		
20M	16QAM	1	0	21.83	21.49	21.49	23
		1	50	21.81	21.44	21.51	23
		1	99	21.28	21.41	21.35	23
		50	0	20.81	20.39	20.39	22
		50	25	20.52	20.48	20.49	22
		50	50	20.48	20.30	20.44	22
	100	0	20.55	20.41	20.45	22	
	64QAM	1	0	21.83	21.49	21.49	23
		1	50	21.81	21.44	21.51	23
		1	99	21.28	21.41	21.35	23
		50	0	20.81	20.39	20.39	22
		50	25	20.52	20.48	20.49	22
50		50	20.48	20.30	20.44	22	
100	0	20.55	20.41	20.45	22		
20M	QPSK	Channel	2796	2898	2998	3098	Max. Time-up (dBm)
		Frequency (MHz)	2677.5	2677.5	2677.5	2677.5	22.5
		1					

LTE Band 42 FCC Part70 (Ant3)										
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Time-up			
		3460	3500	3540	3580	3620	(dBm)			
20M	QPSK	1	0	18.34	18.19	18.30	20			
		1	50	18.38	18.24	18.85	20			
		1	99	18.33	18.16	18.47	20			
		50	0	17.24	17.26	17.35	19			
		50	25	17.29	17.40	17.48	19			
		50	50	17.22	17.27	17.50	19			
	16QAM	100	0	17.26	17.52	17.57	19			
		1	0	17.33	17.34	17.36	19			
		1	50	17.26	17.41	17.47	19			
		1	99	17.38	17.27	17.47	19			
		50	0	16.34	16.35	16.46	18			
		50	25	16.26	16.29	16.51	18			
	64QAM	50	50	16.18	16.25	16.38	18			
		100	0	16.32	16.29	16.42	18			
		1	0	16.24	16.16	16.30	18			
		1	50	16.20	16.31	16.15	18			
		1	99	16.18	16.21	16.19	18			
		50	0	15.35	15.25	15.45	17			
	15M	QPSK	50	25	15.24	15.28	15.49	17		
			50	50	15.15	15.22	15.38	17		
			100	0	15.30	15.19	15.39	17		
			1	0	16.24	16.16	16.30	18		
			1	50	16.20	16.31	16.15	18		
			1	99	16.18	16.21	16.19	18		
16QAM		50	0	16.34	16.35	16.46	18			
		50	25	16.26	16.29	16.51	18			
		50	50	16.18	16.25	16.38	18			
		100	0	16.32	16.29	16.42	18			
		1	0	16.24	16.16	16.30	18			
		1	50	16.20	16.31	16.15	18			
64QAM		1	99	16.18	16.21	16.19	18			
		50	0	15.35	15.25	15.45	17			
		50	25	15.24	15.28	15.49	17			
		50	50	15.15	15.22	15.38	17			
		100	0	15.30	15.19	15.39	17			
		100	0	15.30	15.19	15.39	17			
10M		QPSK	Channel	42165	42590	42915	Max. Time-up			
			Frequency (MHz)	3462.5	3500	3542.5	20			
			1	0	18.28	18.16	18.21	20		
			1	24	18.36	18.18	18.47	20		
			1	49	18.23	18.12	18.38	20		
			25	0	17.12	17.18	17.22	19		
	16QAM	25	12	17.23	17.43	17.43	19			
		25	25	17.16	17.21	17.45	19			
		50	0	17.13	17.40	17.56	19			
		1	0	17.29	17.32	17.34	19			
		1	24	17.24	17.39	17.38	19			
		1	49	17.37	17.21	17.46	19			
	64QAM	25	0	16.23	16.24	16.45	18			
		25	12	16.16	16.18	16.45	18			
		25	25	16.09	16.22	16.32	18			
		50	0	16.23	16.23	16.30	18			
		1	0	16.19	16.15	16.20	18			
		1	24	16.08	16.24	16.05	18			
	5M	QPSK	1	49	16.13	16.16	16.11	18		
			25	0	15.32	15.18	15.44	17		
			25	12	15.13	15.14	15.35	17		
			25	25	15.02	15.21	15.31	17		
			50	0	15.20	15.11	15.34	17		
			50	0	15.20	15.11	15.34	17		
16QAM		Channel	42115	42590	42915	Max. Time-up				
		Frequency (MHz)	3462.5	3500	3542.5	20				
		1	0	18.28	18.16	18.21	20			
		1	12	18.29	18.20	18.41	20			
		1	24	18.30	18.11	18.39	20			
		12	0	17.20	17.16	17.33	19			
64QAM		12	6	17.22	17.25	17.46	19			
		12	13	17.17	17.25	17.46	19			
		25	0	17.21	17.42	17.46	19			
		1	0	17.32	17.23	17.33	19			
		1	12	17.20	17.35	17.39	19			
		1	24	17.36	17.18	17.44	19			
20M		QPSK	12	0	16.20	16.29	16.38	18		
			12	6	16.17	16.27	16.40	18		
			12	13	16.17	16.28	16.38	18		
			25	0	16.30	16.17	16.29	18		
			1	0	16.13	16.08	16.25	18		
			1	12	16.17	16.17	16.13	18		
	16QAM	1	24	16.06	16.10	16.15	18			
		12	0	15.24	15.21	15.42	17			
		12	6	15.21	15.22	15.44	17			
		12	13	15.04	15.13	15.35	17			
		25	0	15.21	15.09	15.28	17			
		25	0	15.21	15.09	15.28	17			

LTE Band 42 FCC Part96 (Ant3)										
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Time-up			
		3596	3575	3590	3575	3590	(dBm)			
20M	QPSK	1	0	18.35	18.39	18.25	20			
		1	50	18.46	18.38	18.40	20			
		1	99	18.23	18.23	18.38	20			
		50	0	17.49	17.38	17.33	19			
		50	25	17.41	17.36	17.36	19			
		50	50	17.34	17.37	17.28	19			
	16QAM	100	0	17.45	17.34	17.37	19			
		1	0	17.35	17.42	17.28	19			
		1	50	17.49	17.41	17.43	19			
		1	99	17.29	17.36	17.36	19			
		50	0	16.42	16.41	16.28	18			
		50	25	16.48	16.35	16.27	18			
	64QAM	50	50	16.42	16.32	16.42	18			
		100	0	16.48	16.37	16.48	18			
		1	0	16.35	16.32	16.22	18			
		1	50	16.30	16.38	16.36	18			
		1	99	16.30	16.39	16.31	18			
		50	0	15.42	15.29	15.21	17			
	15M	QPSK	50	25	15.37	15.35	15.32	17		
			50	50	15.36	15.23	15.26	17		
			100	0	15.40	15.33	15.35	17		
			1	0	17.40	17.38	17.42	19		
			1	37	17.40	17.38	17.42	19		
			1	74	17.16	17.27	17.34	19		
16QAM		36	0	16.29	16.29	16.24	18			
		36	19	16.45	16.32	16.40	18			
		36	39	16.37	16.30	16.30	18			
		75	0	16.38	16.36	16.38	18			
		1	0	16.21	16.28	16.08	18			
		1	37	16.26	16.25	16.21	18			
64QAM		1	74	16.16	16.26	16.23	18			
		36	0	15.32	15.15	15.16	17			
		36	19	15.36	15.30	15.30	17			
		36	39	15.35	15.10	15.18	17			
		75	0	15.38	15.24	15.24	17			
		75	0	15.38	15.24	15.24	17			
10M		QPSK	Channel	43165	43340	43515	Max. Time-up			
			Frequency (MHz)	3552.5	3575	3597.5	20			
			1	0	18.23	18.36	18.24	20		
			1	24	18.40	18.33	18.29	20		
			1	49	18.16	18.14	18.33	20		
			25	0	17.40	17.35	17.20	19		
	16QAM	25	12	17.38	17.28	17.21	19			
		25	25	17.23	17.34	17.15	19			
		50	0	17.43	17.28	17.33	19			
		1	0	17.27	17.31	17.24	19			
		1	24	17.44	17.28	17.39	19			
		1	49	17.24	17.32	17.35	19			
	64QAM	25	0	16.31	16.31	16.25	18			
		25	12	16.36	16.30	16.25	18			
		25	25	16.28	16.31	16.38	18			
		50	0	16.31	16.34	16.34	18			
		1	0	16.25	16.21	16.10	18			
		1	24	16.19	16.38	16.28	18			
	5M	QPSK	1	49	16.27	16.37	16.16	18		
			25	0	15.29	15.19	15.20	17		
			25	12	15.22	15.29	15.16	17		
			25	25	15.27	15.19	15.14	17		
			50	0	15.32	15.30	15.28	17		
			50	0	15.32	15.30	15.28	17		
16QAM		Channel	43115	43340	43515	Max. Time-up				
		Frequency (MHz)	3552.5	3575	3597.5	20				
		1	0	18.20	18.25	18.21	20			
		1	12	18.34	18.29	18.35	20			
		1	24	18.13	18.10	18.35	20			
		12	0	17.47	17.23	17.18	19			
64QAM		12	6	17.27	17.24	17.33	19			
		12	13	17.22	17.34	17.19	19			
		25	0	17.31	17.32	17.33	19			
		1	0	17.20	17.28	17.24	19			
		1	12	17.38	17.28	17.34	19			
		1	24	17.16	17.27	17.29	19			
20M		QPSK	12	0	16.32	16.29	16.15	18		
			12	6	16.46	16.21	16.15	18		
			12	13	16.34	16.22	16.33	18		
			25	0	16.42	16.32	16.44	18		
			1	0	16.25	16.20	16.10	18		
			1	12	16.28	16				

LTE_Ant4 DSi2 Power

		LTE Band 2 (Ant4)					
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max.
		Channel Frequency (MHz)	1865	1880	1895	1910	Turn-up (dBm)
20M	QPSK	1	0	22.94	23.12	22.98	24.5
		1	50	23.02	23.16	23.04	24.5
		1	99	23.01	23.05	22.96	24.5
		50	0	22.08	22.19	22.12	23.5
		50	25	22.05	22.17	22.03	23.5
		50	50	21.93	22.14	21.98	23.5
	16QAM	100	0	21.99	22.16	22.04	23.5
		1	0	22.12	22.21	22.26	23.5
		1	50	22.28	22.43	22.32	23.5
		1	99	22.34	22.31	22.26	23.5
		50	0	20.91	21.16	21.06	22.5
		50	25	21.01	21.15	21.05	22.5
20M	16QAM	50	50	21.05	21.18	20.99	22.5
		100	0	20.99	21.14	21.01	22.5
		1	0	21.03	21.12	21.08	22.5
		1	50	21.23	21.25	21.12	22.5
		1	99	21.12	21.14	21.07	22.5
		50	0	19.99	20.33	20.25	21.5
	64QAM	50	25	20.15	20.26	20.18	21.5
		50	50	20.29	20.37	20.15	21.5
		100	0	20.17	20.32	20.14	21.5
		Channel	1865	1880	1895	1910	Max.
		Frequency (MHz)	1865.5	1880	1892.5	1905	Turn-up (dBm)
		1	0	22.93	23.00	22.86	24.5
15M	QPSK	1	37	22.91	23.04	22.90	24.5
		1	74	22.89	23.03	22.88	24.5
		36	0	22.00	22.12	21.98	23.5
		36	19	22.01	22.01	21.91	23.5
		36	39	21.81	22.04	21.95	23.5
		75	0	21.92	22.13	21.95	23.5
	16QAM	1	0	22.04	22.17	22.21	23.5
		1	37	22.14	22.35	22.21	23.5
		1	74	22.28	22.20	22.11	23.5
		36	0	21.85	21.12	21.07	22.5
		36	19	20.98	21.13	20.92	22.5
		36	39	20.97	21.15	20.85	22.5
15M	16QAM	75	0	20.93	21.11	20.89	22.5
		1	0	21.02	20.99	20.94	22.5
		1	37	21.05	21.03	21.03	22.5
		1	74	21.03	21.10	20.99	22.5
		36	0	19.96	20.25	20.23	21.5
		36	19	20.13	20.19	20.10	21.5
	64QAM	36	39	20.22	20.29	20.12	21.5
		75	0	20.04	20.31	20.03	21.5
		Channel	1865	1880	1895	1910	Max.
		Frequency (MHz)	1865.5	1880	1892.5	1905	Turn-up (dBm)
		1	0	22.91	23.11	22.86	24.5
		10M	QPSK	1	24	22.90	23.03
1	49			22.91	22.97	22.84	24.5
25	0			21.97	22.06	21.97	23.5
25	12			21.95	22.10	21.96	23.5
25	25			21.86	22.03	21.85	23.5
50	0			21.84	22.08	21.84	23.5
16QAM	1		0	21.98	22.11	22.14	23.5
	1		24	22.24	22.29	22.19	23.5
	1		49	22.23	22.24	22.11	23.5
	25		0	20.79	21.04	20.99	22.5
	25		12	20.98	21.02	21.00	22.5
	25		25	21.00	21.17	20.86	22.5
10M	16QAM	50	0	20.84	21.01	20.97	22.5
		1	0	20.91	21.01	20.92	22.5
		1	24	21.09	21.22	21.09	22.5
		1	49	21.03	21.12	20.93	22.5
		25	0	19.88	20.29	20.23	21.5
		25	12	20.02	20.22	20.09	21.5
	64QAM	25	25	20.19	20.26	20.04	21.5
		50	0	20.08	20.30	20.03	21.5
		Channel	1865	1880	1895	1910	Max.
		Frequency (MHz)	1865.5	1880	1892.5	1905	Turn-up (dBm)
		1	0	22.92	23.06	22.86	24.5
		5M	QPSK	1	12	22.87	23.08
1	24			22.86	22.96	22.90	24.5
12	0			21.98	22.07	21.99	23.5
12	6			22.04	22.16	21.96	23.5
12	13			21.88	22.10	21.91	23.5
25	0			21.88	22.02	21.98	23.5
16QAM	1		0	22.03	22.07	22.24	23.5
	1		12	22.28	22.38	22.25	23.5
	1		24	22.15	22.24	22.17	23.5
	12		0	20.84	21.11	21.02	22.5
	12		6	20.95	21.07	21.03	22.5
	12		13	20.94	21.07	20.88	22.5
5M	16QAM	25	0	20.92	21.06	20.92	22.5
		1	0	20.89	21.03	20.95	22.5
		1	12	21.15	21.20	21.08	22.5
		1	24	21.00	21.05	20.98	22.5
		12	0	19.92	20.29	20.20	21.5
		12	6	20.11	20.19	20.16	21.5
	64QAM	12	13	20.16	20.36	20.08	21.5
		25	0	20.10	20.25	20.11	21.5
		Channel	1865	1880	1895	1910	Max.
		Frequency (MHz)	1865.5	1880	1892.5	1905	Turn-up (dBm)
		1	0	22.90	23.04	22.89	24.5
		3M	QPSK	1	7	22.88	23.10
1	14			23.00	22.99	22.90	24.5
8	0			21.96	22.14	21.97	23.5
8	3			22.01	22.09	21.89	23.5
8	7			21.80	22.03	21.93	23.5
15	0			21.97	22.07	21.99	23.5
16QAM	1		0	21.99	22.13	22.16	23.5
	1		7	22.25	22.33	22.26	23.5
	1		14	22.16	22.17	22.01	23.5
	8		0	20.81	21.07	21.01	22.5
	8		3	20.87	21.11	20.98	22.5
	8		7	20.95	21.04	20.91	22.5
3M	16QAM	15	0	20.85	21.01	20.89	22.5
		1	0	20.89	21.03	20.98	22.5
		1	7	21.16	21.22	21.11	22.5
		1	14	21.09	21.10	21.02	22.5
		8	0	19.85	20.25	20.14	21.5
		8	3	20.05	20.16	20.16	21.5
	64QAM	8	7	20.21	20.31	20.11	21.5
		15	0	20.11	20.20	20.07	21.5
		Channel	1865	1880	1895	1910	Max.
		Frequency (MHz)	1865.5	1880	1892.5	1905	Turn-up (dBm)
		1	0	22.87	23.04	22.89	24.5
		1.4M	QPSK	1	2	22.88	23.01
1	5			22.99	23.04	22.87	24.5
3	0			22.97	22.98	22.92	24.5
3	1			22.79	22.84	22.73	24.5
3	3			22.82	22.82	22.74	24.5
6	0			21.97	22.08	21.91	23.5
16QAM	1		0	22.00	22.07	22.11	23.5
	1		2	22.13	22.24	22.12	23.5
	1		5	22.23	22.25	22.23	23.5
	3		0	21.89	21.92	21.84	23.5
	3		1	21.76	21.96	21.73	23.5
	3		3	21.79	21.96	21.67	23.5
1.4M	16QAM	6	0	20.83	21.07	20.86	22.5
		1	0	20.82	21.02	21.00	22.5
		1	2	21.20	21.23	21.11	22.5
		1	5	21.05	21.06	21.00	22.5
		3	0	20.68	21.13	21.01	22.5
		3	1	20.85	20.97	20.88	22.5
	64QAM	3	3	21.07	21.15	20.85	22.5
		6	0	20.99	20.19	20.02	21.5
		Channel	1865	1880	1895	1910	Max.
		Frequency (MHz)	1865.5	1880	1892.5	1905	Turn-up (dBm)
		1	0	23.41	23.48	23.56	25
		3M	QPSK	1	2	23.58	23.78
1	5			23.68	23.57	23.37	25
3	0			23.44	23.51	23.53	25
3	1			23.44	23.56	23.41	25
3	3			23.69	23.45	23.39	25
6	0			22.75	22.73	22.69	24
16QAM	1		0	22.79	22.76	22.79	24
	1		2	22.86	22.81	22.86	24
	1		5	22.94	22.89	22.88	24
	3		0	22.63	22.47	22.53	24
	3		1	22.49	22.52	22.39	24
	3		3	22.65	22.56	22.43	24
3M	16QAM	6	0	21.82	21.68	21.69	23
		1	0	21.78	21.60	21.78	23
		1	2	21.74	21.78	21.65	23
		1	5	21.78	21.66	21.60	23
		3	0	21.58	21.51	21.69	23
		3	1	21.61	21.68	21.54	23
	64QAM	3	3	21.83	21.65	21.83	23
		6	0	20.99	20.81	20.71	22
		Channel	1995	2015	2035	2055	Max.
		Frequency (MHz)	1995.5	2015	2027.5	2040	Turn-up (dBm)
		1	0	23.48	23.46	23.48	25
		10M	QPSK	1	7	23.60	23.71
1	14			23.62	23.48	23.41	25
8	0			22.64	22.67	22.66	24
8	3			22.85	22.69	22.64	24
8	7			22.77	22.68	22.63	24
15	0			22.72	22.64	22.63	24
16QAM	1		0	22.73	22.85	22.89	24
	1		7	22.80	22.98	22.92	24
	1		14	22.81	22.88	22.78	24
	8		0	21.73	21.56	21.71	23
	8		3	21.67	21.71	21.70	23
	8		7	21.82	21.74	21.71	23
10M	16QAM	15	0	21.67	21.62	21.64	23
		1	0	21.68	21.62	21.76	23
		1	7	21.78	21.77	21.76	23
		1	14	21.81	21.74	21.63	23
		8	0	20.73	20.83	20.94	22
		8					

LTE Band 7 (Ant4)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)		
				Channel	2390	2100		2190	
20M	QPSK	16QAM	1	0	23.00	22.72	22.38	24.5	
			1	50	23.01	22.97	22.94	24.5	
			1	99	22.78	22.76	22.81	24.5	
			50	0	21.87	21.84	21.82	23.5	
			50	25	21.98	21.93	21.88	23.5	
			50	50	21.96	21.89	21.73	23.5	
			100	0	21.93	21.90	21.83	23.5	
			1	0	22.10	22.04	22.00	23.5	
			1	50	22.18	22.15	22.08	23.5	
			1	99	21.98	21.96	21.95	23.5	
			50	0	20.93	20.87	20.84	22.5	
			50	25	20.97	20.99	20.92	22.5	
	50	50	20.99	20.96	20.79	22.5			
	100	0	20.95	20.95	20.80	22.5			
	64QAM	1	0	21.15	21.00	21.04	22.5		
		1	50	21.17	21.12	21.09	22.5		
		1	99	21.00	20.91	20.95	22.5		
		50	0	19.96	19.88	19.91	21.5		
		50	25	20.04	20.01	19.97	21.5		
		50	50	19.97	19.95	19.82	21.5		
		100	0	19.99	19.93	19.87	21.5		
		QPSK	64QAM	1	0	21.15	21.00	21.04	22.5
				1	50	21.17	21.12	21.09	22.5
				1	99	21.00	20.91	20.95	22.5
50				0	19.96	19.88	19.91	21.5	
50				25	20.04	20.01	19.97	21.5	
50	50			19.97	19.95	19.82	21.5		
100	0			19.99	19.93	19.87	21.5		
QPSK	16QAM			1	0	22.86	22.64	22.83	24.5
				1	37	22.98	22.92	22.89	24.5
				1	74	22.73	22.73	22.77	24.5
				36	0	21.75	21.82	21.76	23.5
				36	19	21.89	21.87	21.76	23.5
		36	39	21.88	21.87	21.60	23.5		
		75	0	21.88	21.79	21.75	23.5		
		1	0	22.00	22.00	21.98	23.5		
		1	37	22.16	22.06	22.05	23.5		
		1	74	21.97	21.95	21.84	23.5		
		36	0	20.88	20.77	20.77	22.5		
		36	19	20.82	20.90	20.83	22.5		
36	39	20.88	20.87	20.76	22.5				
75	0	20.91	20.84	20.68	22.5				
1	0	21.06	20.97	21.02	22.5				
1	37	21.06	21.00	21.03	22.5				
1	74	20.96	20.88	20.86	22.5				
36	0	19.95	19.95	19.84	21.5				
36	19	19.99	19.90	19.84	21.5				
36	39	19.88	19.84	19.81	21.5				
75	0	19.84	19.86	19.75	21.5				
QPSK	64QAM	1	0	21.06	21.00	21.02	22.5		
		1	37	21.06	21.00	21.03	22.5		
		1	74	20.96	20.88	20.86	22.5		
		36	0	19.95	19.95	19.84	21.5		
		36	19	19.99	19.90	19.84	21.5		
		36	39	19.88	19.84	19.81	21.5		
		75	0	19.84	19.86	19.75	21.5		
		QPSK	16QAM	1	0	22.93	22.68	22.81	24.5
				1	24	22.90	22.86	22.82	24.5
				1	49	22.72	22.63	22.73	24.5
				25	0	21.76	21.79	21.76	23.5
				25	12	21.87	21.82	21.74	23.5
25	25			21.87	21.82	21.63	23.5		
50	0			21.85	21.81	21.73	23.5		
1	0			22.01	21.95	21.86	23.5		
1	24			22.16	22.10	21.98	23.5		
1	49			21.93	21.88	21.93	23.5		
25	0			20.84	20.81	20.77	22.5		
25	12			20.89	20.96	20.87	22.5		
25	25	20.98	20.84	20.73	22.5				
50	0	20.88	20.86	20.73	22.5				
1	0	21.01	20.86	20.91	22.5				
1	24	21.14	20.99	21.08	22.5				
1	49	20.90	20.83	20.80	22.5				
25	0	19.95	19.88	19.80	21.5				
25	12	20.03	19.94	19.96	21.5				
25	25	19.95	19.94	19.81	21.5				
50	0	19.92	19.82	19.80	21.5				
QPSK	64QAM	1	0	22.89	22.62	22.75	24.5		
		1	12	22.87	22.85	22.88	24.5		
		1	24	22.63	22.70	22.74	24.5		
		12	0	21.74	21.75	21.69	23.5		
		12	6	21.91	21.78	21.84	23.5		
		12	13	21.91	21.84	21.62	23.5		
		25	0	21.83	21.80	21.78	23.5		
		1	0	22.06	21.94	21.96	23.5		
		1	12	22.08	22.05	22.06	23.5		
		1	24	21.97	21.94	21.92	23.5		
		12	0	20.89	20.75	20.74	22.5		
		12	6	20.89	20.87	20.80	22.5		
12	13	20.87	20.81	20.70	22.5				
25	0	20.92	20.86	20.77	22.5				
1	0	21.07	20.87	20.99	22.5				
1	12	21.15	21.05	20.99	22.5				
1	24	20.97	20.77	20.84	22.5				
12	0	19.88	19.94	19.80	21.5				
12	6	19.94	19.87	19.94	21.5				
12	13	19.85	19.83	19.78	21.5				
25	0	19.96	19.85	19.76	21.5				

LTE Band 12 (Ant4)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)		
				Channel	2390	2395		2319	
10M	QPSK	16QAM	1	0	24.28	24.14	24.09	25	
			1	24	24.12	24.10	24.06	25	
			1	49	24.00	23.99	24.07	25	
			25	0	23.26	23.11	23.08	24	
			25	12	23.17	23.10	23.05	24	
			25	25	23.15	23.05	23.00	24	
			50	0	23.23	23.10	23.04	24	
			1	0	23.50	23.48	23.30	24	
			1	24	23.43	23.29	23.28	24	
			1	49	23.32	23.21	23.21	24	
			25	0	22.31	22.09	21.98	23	
			25	12	22.14	22.11	22.02	23	
	25	25	22.29	22.08	22.02	23			
	50	0	22.23	22.11	21.99	23			
	64QAM	1	0	22.39	22.30	22.16	23		
		1	24	22.27	22.21	22.15	23		
		1	49	22.18	22.16	22.15	23		
		25	0	21.21	21.09	21.00	22		
		25	12	21.16	21.11	21.05	22		
		25	25	21.15	21.08	21.01	22		
		50	0	21.20	21.10	21.02	22		
		QPSK	64QAM	1	0	24.25	24.13	24.00	25
				1	12	24.01	24.00	23.92	25
				1	24	23.96	23.92	24.04	25
12				0	23.13	23.04	23.02	24	
12				6	23.05	23.09	22.97	24	
12	13			23.07	22.99	22.90	24		
25	0			23.10	23.07	23.00	24		
1	0			23.37	23.40	23.28	24		
1	12			23.41	23.15	23.23	24		
1	24			23.27	23.20	23.27	24		
12	0			22.30	22.05	21.88	23		
12	6			22.13	22.04	21.93	23		
12	13	22.14	22.03	21.90	23				
25	0	22.11	22.05	21.95	23				
1	0	22.32	22.25	22.03	23				
1	12	22.26	22.15	22.06	23				
1	24	22.09	22.11	22.14	23				
12	0	21.08	21.02	20.93	22				
12	6	21.14	21.03	21.04	22				
12	13	21.09	21.02	20.90	22				
25	0	21.05	21.09	21.02	22				
QPSK	16QAM	1	0	24.17	24.09	24.06	25		
		1	7	23.97	23.96	23.93	25		
		1	14	23.87	23.96	24.01	25		
		8	0	23.14	23.06	23.06	24		
		8	3	23.16	23.04	23.01	24		
		8	7	23.02	22.93	22.92	24		
		15	0	23.11	23.06	23.01	24		
		1	0	23.41	23.39	23.22	24		
		1	7	23.37	23.17	23.15	24		
		1	14	23.30	23.06	23.27	24		
		8	0	22.30	21.95	21.84	23		
		8	3	22.04	22.02	21.97	23		
8	7	22.13	21.97	21.94	23				
15	0	22.13	22.00	21.89	23				
1	0	22.38	22.15	22.01	23				
1	7	22.17	22.12	22.15	23				
1	14	22.17	22.07	22.01	23				
8	0	21.08	20.96	20.98	22				
8	3	21.05	20.98	21.04	22				
8	7	21.06	20.93	20.95	22				
15	0	21.15	21.04	20.90	22				
QPSK	64QAM	1	0	24.21	24.05	24.05	25		
		1	2	24.11	24.03	24.05	25		
		1	5	23.86	23.85	23.93	25		
		3	0	24.01	23.84	23.80	25		
		3	1	23.85	23.84	23.77	25		
		3	3	23.88	23.75	23.67	25		
		6	0	23.10	22.98	22.93	24		
		1	0	23.35	23.46	23.19	24		
		1	2	23.29	23.25	23.22	24		
		1	5	23.28	23.07	23.20	24		
		3	0	23.00	22.83	22.78	24		
		3	1	22.84	22.82	22.74	24		
3	3	22.88	22.80	22.72	24				
6	0	22.18	22.03	21.90	23				
1	0	22.24	22.17	22.14	23				
1	2	22.25	22.13	22.07	23				
1	5	22.09	22.06	22.05	23				
3	0	22.02	21.89	21.74	23				
3	1	21.91	21.78	21.85	23				
3	3	21.94	21.86	21.75	23				
6	0	21.09	21.02	20.96	22				

LTE Band 17 (Ant4)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	759	716	711	23790	
10M	QPSK	1	0	24.06	24.07	24.12	25
		1	24	24.02	24.04	23.98	25
		1	49	23.99	23.98	24.02	25
		25	0	23.00	23.01	22.94	24
		25	12	23.06	23.03	23.09	24
		25	25	23.02	22.98	22.94	24
	16QAM	1	0	22.98	23.02	23.05	24
		1	24	23.29	23.30	23.19	24
		1	49	23.21	23.27	23.32	24
		25	0	21.98	21.98	21.95	23
		25	12	22.02	22.01	22.09	23
		25	25	22.05	21.93	21.97	23
	64QAM	1	0	22.23	22.20	22.18	23
		1	24	22.20	22.19	22.07	23
		1	49	22.13	22.20	22.23	23
		25	0	20.98	20.96	20.95	22
		25	12	21.08	21.05	21.01	22
		25	25	21.02	20.98	20.86	22
5M	QPSK	1	0	23.75	23.79	23.825	25
		1	12	23.82	23.82	23.82	25
		1	24	23.84	23.85	23.86	25
		12	0	22.86	23.00	22.83	24
		12	6	23.01	22.94	22.99	24
		12	13	23.00	22.90	22.89	24
	16QAM	1	0	22.97	22.90	23.04	24
		1	0	23.18	23.30	23.21	24
		1	12	23.17	23.23	23.12	24
		1	24	23.19	23.24	23.19	24
		12	0	21.90	21.94	21.94	23
		12	6	21.93	21.87	21.99	23
	64QAM	12	13	22.02	21.81	21.91	23
		25	0	21.84	21.85	21.84	23
		1	0	22.13	22.19	22.09	23
		1	12	22.12	22.15	22.03	23
		1	24	22.05	22.18	22.07	23
		12	0	20.84	20.83	20.83	22
BW	Modulation	Channel	23755	23790	23825	Max. Tune-up (dBm)	
		Frequency (MHz)	766.5	710	716.5		
		1	0	24.02	23.95	24.07	25
		1	12	23.82	24.01	23.84	25
		1	24	23.84	23.95	23.98	25
		12	0	22.86	23.00	22.83	24
	QPSK	12	6	23.01	22.94	22.99	24
		12	13	23.00	22.90	22.89	24
		25	0	22.97	22.90	23.04	24
		1	0	23.18	23.30	23.21	24
		1	12	23.17	23.23	23.12	24
		1	24	23.19	23.24	23.19	24
	16QAM	12	0	21.90	21.94	21.94	23
		12	6	21.93	21.87	21.99	23
		12	13	22.02	21.81	21.91	23
		25	0	21.84	21.85	21.84	23
		1	0	22.13	22.19	22.09	23
		1	12	22.12	22.15	22.03	23
64QAM	1	24	22.05	22.18	22.07	23	
	12	0	20.84	20.83	20.83	22	
	12	6	21.07	21.03	20.99	22	
	12	13	20.90	20.89	20.79	22	
	25	0	20.89	20.81	20.80	22	
	25	0	20.89	20.81	20.80	22	

LTE Band 26 (Ant4)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	26765	26865	26965	26965		26965
15M	QPSK	1	0	23.96	24.01	23.97	25	
		1	37	23.85	23.88	23.82	25	
		1	74	23.86	23.89	23.85	25	
		36	0	22.93	22.96	22.89	24	
		36	19	22.79	22.88	22.85	24	
		36	39	22.83	22.94	22.82	24	
	16QAM	75	0	22.74	22.83	22.81	24	
		1	0	23.17	23.11	23.04	24	
		1	37	23.22	23.25	23.18	24	
		1	74	23.14	23.06	23.03	24	
		36	0	21.95	21.95	21.96	23	
		36	19	21.87	21.86	21.81	23	
	64QAM	36	39	21.87	21.94	21.86	23	
		75	0	21.79	21.82	21.81	23	
		1	0	22.13	22.02	21.97	23	
		1	37	22.12	22.01	22.06	23	
		1	74	21.93	21.80	21.86	23	
		36	0	20.88	20.88	21.00	22	
10M	QPSK	36	19	20.91	20.89	20.84	22	
		36	39	20.90	21.01	20.88	22	
		75	0	20.76	20.94	21.01	22	
		1	0	23.85	23.92	23.76	25	
		1	24	23.82	23.82	23.70	25	
		1	49	23.74	23.75	23.76	25	
	16QAM	25	0	22.81	22.86	22.88	24	
		25	12	22.70	22.77	22.84	24	
		25	25	22.73	22.89	22.76	24	
		50	0	22.65	22.92	22.86	24	
		1	0	23.09	22.96	22.98	24	
		1	24	23.19	23.23	23.15	24	
	64QAM	1	49	22.99	23.00	22.97	24	
		25	0	21.92	21.94	21.94	23	
		25	12	21.74	21.80	21.74	23	
		25	25	21.76	21.81	21.81	23	
		50	0	21.73	21.81	21.78	23	
		1	0	22.08	21.96	21.96	23	
5M	QPSK	1	24	22.03	21.87	22.04	24	
		1	49	21.82	21.65	21.81	23	
		25	0	20.83	20.81	20.90	22	
		25	12	20.86	20.78	20.73	22	
		25	25	20.82	20.80	20.76	22	
		50	0	20.62	20.80	20.65	22	
	16QAM	Channel	26765	26865	26965	Max. Tune-up (dBm)		
		Frequency (MHz)	819	811.5	844			
		1	0	23.85	23.92	23.76	25	
		1	12	23.75	23.81	23.69	25	
		1	24	23.85	23.81	23.76	25	
		12	0	22.85	22.86	22.77	24	
	64QAM	12	6	22.69	22.74	22.76	24	
		12	13	22.76	22.82	22.70	24	
		25	0	22.60	22.88	22.76	24	
		1	0	23.12	23.05	22.97	24	
		1	12	23.15	23.12	23.03	24	
		1	24	23.07	23.04	22.90	24	
BW	Modulation	12	0	21.81	21.90	21.85	23	
		12	6	21.77	21.81	21.69	23	
		12	13	21.83	21.92	21.82	23	
		25	0	21.65	21.67	21.82	23	
		1	0	22.06	21.95	21.96	23	
		1	12	22.10	21.90	21.92	23	
	16QAM	1	24	21.85	21.70	21.75	23	
		12	0	20.82	20.78	20.69	22	
		12	6	20.85	20.87	20.77	22	
		12	13	20.86	20.95	20.75	22	
		25	0	20.75	20.83	20.96	22	
		25	0	20.75	20.83	20.96	22	
	3M	QPSK	Channel	26795	26865	27025	Max. Tune-up (dBm)	
			Frequency (MHz)	815.5	831.5	847.5		
			1	0	23.89	23.97	23.82	25
			1	12	23.75	23.81	23.69	25
			1	24	23.85	23.81	23.76	25
			12	0	22.85	22.86	22.77	24
16QAM		12	6	22.69	22.74	22.76	24	
		12	13	22.76	22.82	22.70	24	
		25	0	22.60	22.88	22.76	24	
		1	0	23.12	23.05	22.97	24	
		1	12	23.15	23.12	23.03	24	
		1	24	23.07	23.04	22.90	24	
64QAM		12	0	21.81	21.90	21.85	23	
		12	6	21.77	21.81	21.69	23	
		12	13	21.83	21.92	21.82	23	
		25	0	21.65	21.67	21.82	23	
		1	0	22.06	21.95	21.96	23	
		1	12	22.10	21.90	21.92	23	
1.4M	QPSK	1	24	21.85	21.70	21.75	23	
		12	0	20.82	20.78	20.69	22	
		12	6	20.85	20.87	20.77	22	
		12	13	20.86	20.95	20.75	22	
		25	0	20.75	20.83	20.96	22	
		25	0	20.75	20.83	20.96	22	
	16QAM	Channel	26897	26865	27033	Max. Tune-up (dBm)		
		Frequency (MHz)	814.7	831.5	848.3			
		1	0	23.89	23.92	23.79	25	
		1	2	23.72	23.84	23.73	25	
		1	5	23.83	23.78	23.81	25	
		3	0	23.61	23.61	23.67	25	
	64QAM	3	1	23.55	23.55	23.53	25	
		3	3	23.58	23.69	23.54	25	
		6	0	22.80	22.92	22.87	24	
		1	0	23.06	22.99	22.90	24	
		1	2	23.21	23.18	23.05	24	
		1	5	23.07	22.94	22.96	24	
BW	Modulation	3	0	22.96	22.87	22.88	24	
		3	1	22.86	22.76	22.72	24	
		3	3	22.77	22.95	22.87	24	
		6	0	21.70	21.70	21.83	23	
		1	0	22.08	22.01	21.92	23	
		1	2	22.10	22.00	21.95	23	
	16QAM	1	5	21.84	21.67	21.78	23	
		3	0	21.86	21.78	21.97	23	
		3	1	21.82	21.79	21.81	23	
		3	3	21.93	21.92	21.81	23	
		6	0	20.61	20.83	20.99	22	
		6	0	20.61	20.83	20.99	22	

LTE Band 38 (Ant4)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	37890	38090	38150	38150	
20M	QPSK	1	0	23.32	23.34	23.26	25
		1	50	23.23	23.22	23.25	25
		1	99	23.29	23.21	23.18	25
		50	0	22.39	22.41	22.36	24
		50	25	22.36	22.24	22.23	24

LTE Band 41 (Ant4)									
BW	Modulation	RB Size		Low	Low Mid	Mid	High Mid	High	Max. Tune-up (dBm)
		Channel	RB Offset						
20M	QPSK	Channel		3976	4016	4060	4105	4140	
		Frequency (MHz)		2568	2568.5	2593	2626.5	2680	
		1	0	23.49	23.27	23.35	23.27	23.23	25
		1	50	23.45	23.27	23.32	23.22	23.22	25
		1	99	23.34	23.24	23.17	23.15	23.18	25
		50	0	22.45	22.40	22.41	22.33	22.25	24
		50	25	22.23	22.35	22.37	22.28	22.20	24
		50	50	22.36	22.34	22.31	22.24	22.16	24
		100	0	22.47	22.32	22.37	22.30	22.15	24
		1	0	22.51	22.47	22.46	22.31	22.24	24
	16QAM	1	50	22.44	22.40	22.42	22.32	22.22	24
		1	99	22.39	22.29	22.27	22.19	22.15	24
		50	0	21.45	21.41	21.42	21.32	21.27	23
		50	25	21.45	21.35	21.39	21.29	21.19	23
		50	50	21.47	21.34	21.32	21.24	21.15	23
		100	0	21.38	21.38	21.37	21.31	21.17	23
		1	0	21.33	21.31	21.31	21.17	21.10	23
		1	50	21.37	21.28	21.29	21.23	21.19	23
		1	99	21.18	21.13	21.12	21.05	21.16	23
		50	0	20.40	20.38	20.38	20.30	20.23	22
	64QAM	50	25	20.43	20.31	20.34	20.24	20.16	22
		50	50	20.40	20.30	20.28	20.22	20.23	22
		100	0	20.42	20.35	20.33	20.27	20.13	22
		Channel		3976	4017	4029	4109	4191	
Frequency (MHz)		2488.5	2488.5	2493	2493	2493			
1		0	23.44	23.20	23.20	23.13	23.18	25	
1		37	23.42	23.14	23.26	23.19	23.17	25	
1		74	23.31	23.23	23.16	23.01	23.08	25	
36		0	22.39	22.34	22.28	22.23	22.21	24	
36		19	22.15	22.28	22.26	22.23	22.16	24	
36	39	22.30	22.22	22.29	22.11	22.13	24		
75	0	22.51	22.47	22.23	22.22	22.14	24		
15M	QPSK	1	0	22.43	22.34	22.35	22.23	22.17	24
		1	37	22.35	22.30	22.36	22.21	22.11	24
		1	74	22.33	22.24	22.16	22.10	22.09	24
		36	0	21.34	21.36	21.39	21.18	21.19	23
		36	19	21.41	21.33	21.37	21.15	21.09	23
		36	39	21.36	21.24	21.25	21.22	21.09	23
		75	0	21.26	21.30	21.23	21.25	21.14	23
		1	0	21.26	21.16	21.23	21.14	21.01	23
		1	37	21.29	21.13	21.20	21.09	21.05	23
		1	74	21.10	21.05	21.09	21.11	21.08	23
16QAM	36	0	20.37	20.33	20.36	20.23	20.09	22	
	36	19	20.33	20.19	20.32	20.12	20.07	22	
	36	39	20.31	20.16	20.19	20.21	20.15	22	
	75	0	20.35	20.29	20.19	20.15	20.07	22	
	Channel		3976	4016	4029	4109	4191		
	Frequency (MHz)		2391	2347	2393	2393	2393		
	1	0	23.37	23.20	23.21	23.18	23.11	25	
	1	24	23.36	23.13	23.22	23.19	23.13	25	
	1	49	23.27	23.20	23.13	23.06	23.03	25	
	25	0	22.44	22.32	22.32	22.28	22.14	24	
25	12	22.18	22.31	22.36	22.14	22.10	24		
25	25	22.29	22.17	22.17	22.11	22.11	24		
10M	QPSK	50	0	22.44	22.19	22.30	22.27	22.02	24
		1	0	22.39	22.45	22.38	22.22	22.13	24
		1	24	22.32	22.34	22.39	22.31	22.09	24
		1	49	22.34	22.21	22.20	22.16	22.07	24
		25	0	21.41	21.39	21.32	21.28	21.23	23
		25	12	21.36	21.23	21.36	21.27	21.16	23
		25	25	21.46	21.36	21.21	21.15	21.14	23
		50	0	21.35	21.31	21.28	21.26	21.02	23
		1	0	21.24	21.29	21.25	21.06	21.13	23
		1	24	21.32	21.12	21.18	21.17	21.14	23
16QAM	1	49	21.04	21.05	21.02	21.11	21.08	23	
	25	0	20.29	20.25	20.25	20.23	20.19	22	
	25	12	20.36	20.28	20.29	20.22	20.10	22	
	25	25	20.32	20.16	20.18	20.09	20.17	22	
	50	0	20.36	20.30	20.21	20.06	20.06	22	
	Channel		3976	4016	4029	4109	4191		
	Frequency (MHz)		2391	2347	2393	2393	2393		
	1	0	23.46	23.26	23.22	23.26	23.12	25	
	1	12	23.35	23.26	23.20	23.15	23.11	25	
	1	24	23.24	23.15	23.16	23.10	23.14	25	
12	0	22.33	22.27	22.28	22.24	22.20	24		
12	6	22.16	22.30	22.29	22.22	22.06	24		
12	13	22.24	22.28	22.27	22.14	22.13	24		
25	0	22.36	22.22	22.23	22.16	22.13	24		
5M	QPSK	1	0	22.40	22.38	22.32	22.21	22.20	24
		1	12	22.41	22.39	22.30	22.27	22.10	24
		1	24	22.35	22.27	22.12	22.05	22.02	24
		12	0	21.40	21.33	21.35	21.26	21.14	23
		12	6	21.42	21.30	21.33	21.25	21.08	23
		12	13	21.40	21.29	21.23	21.16	21.02	23
		25	0	21.26	21.29	21.32	21.19	21.07	23
		1	0	21.25	21.26	21.16	21.09	21.07	23
		1	12	21.34	21.17	21.22	21.11	21.13	23
		1	24	21.08	21.11	21.05	21.16	21.05	23
16QAM	12	0	20.35	20.32	20.24	20.18	20.09	22	
	12	6	20.42	20.19	20.25	20.04	20.04	22	
	12	13	20.27	20.15	20.27	20.21	20.15	22	
	25	0	20.30	20.28	20.26	20.23	20.10	22	

LTE Band 66 (Ant4)									
BW	Modulation	RB Size		Low	Mid	High	Max. Tune-up (dBm)		
		Channel	RB Offset						
20M	QPSK	Channel		132072	132322	132672			
		Frequency (MHz)		1726	1745	1770			
		1	0	23.39	23.50	23.38	25		
		1	50	23.63	23.60	23.45	25		
		1	99	23.60	23.45	23.43	25		
		50	0	22.58	22.65	22.51	24		
		50	25	22.64	22.63	22.52	24		
		50	50	22.81	22.66	22.56	24		
		100	0	22.67	22.64	22.50	24		
		1	0	22.68	22.60	22.60	24		
	16QAM	1	50	22.80	22.62	22.69	24		
		1	99	22.67	22.77	22.72	24		
		50	0	21.72	21.62	21.50	23		
		50	25	21.63	21.66	21.57	23		
		50	50	21.78	21.64	21.56	23		
		100	0	21.64	21.57	21.48	23		
		1	0	21.60	21.58	21.45	23		
		1	50	21.75	21.59	21.65	23		
		1	99	21.72	21.64	21.68	23		
		50	0	20.71	20.68	20.68	22		
	64QAM	50	25	20.79	20.81	20.67	22		
		50	50	20.94	20.80	20.65	22		
		100	0	20.80	20.73	20.65	22		
		Channel		132047	132322	132667			
Frequency (MHz)		13947	1348	13997					
1		0	23.28	23.39	23.26	25			
1		37	23.60	23.50	23.34	25			
1		74	23.45	23.31	23.32	25			
36		0	22.44	22.59	22.38	24			
36		19	22.63	22.54	22.49	24			
36	39	22.70	22.61	22.48	24				
75	0	22.64	22.63	22.48	24				
15M	QPSK	1	0	22.64	22.77	22.57	24		
		1	37	22.79	22.91	22.55	24		
		1	74	22.85	22.84	22.61	24		
		36	0	21.68	21.69	21.47	23		
		36	19	21.53	21.51	21.47	23		
		36	39	21.64	21.55	21.48	23		
		75	0	21.55	21.58	21.45	23		
		1	0	21.68	21.68	21.44	23		
		1	37	21.74	21.64	21.65	23		
		1	74	21.58	21.52	21.67	23		
16QAM	36	0	20.61	20.74	20.55	22			
	36	19	20.76	20.71	20.53	22			
	36	39	20.85	20.69	20.55	22			
	75	0	20.75	20.61	20.58	22			
	Channel		132022	132322	132622				
	Frequency (MHz)		1716	1745	1770				
	1	0	23.25	23.40	23.20	25			
	1	24	23.53	23.45	23.35	25			
	1	49	23.51	23.32	23.41	25			
	25	0	22.51	22.50	22.43	24			
25	12	22.60	22.60	22.51	24				
25	25	22.61	22.59	22.45	24				
10M	QPSK	50	0	22.66	22.50	22.46	24		
		1	0	22.67	22.71	22.46	24		
		1	24	22.70	22.78	22.59	24		
		1	49	22.72	22.67	22.65	24		
		25	0	21.58	21.60	21.48	23		
		25	12	21.56	21.62	21.52	23		
		25	25	21.65	21.58	21.55	23		
		50	0	21.59	21.54	21.44	23		
		1	0	21.67	21.54	21.33	23		
		1	24	21					

LTE_Ant5 DS12 Power

LTE Band 42 FCC Part7Q (Ant5)										
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max.			
		Channel Frequency (MHz)	42190	42990	42990	42990	Max. Tune-up (dBm)			
20M	QPSK	1	0	22.32	22.25	22.27	24			
		1	50	22.42	22.34	22.47	24			
		1	99	22.19	22.26	22.22	24			
		50	0	21.42	21.48	21.52	23			
		50	25	21.41	21.45	21.35	23			
		50	50	21.29	21.33	21.41	23			
	16QAM	1	0	21.41	21.34	21.49	23			
		1	50	21.36	21.38	21.25	23			
		1	99	21.18	21.22	21.28	23			
		50	0	20.44	20.21	20.27	22			
		50	25	20.40	20.34	20.36	22			
		50	50	20.42	20.40	20.28	22			
64QAM	100	0	20.24	20.22	20.32	22				
	1	0	20.41	20.29	20.24	22				
	1	50	20.31	20.28	20.41	22				
	1	99	20.20	20.42	20.34	22				
	50	0	19.31	19.36	19.25	21				
	50	25	19.15	19.24	19.21	21				
15M	QPSK	1	0	21.29	21.38	21.42	23			
		1	74	22.05	22.14	22.18	24			
		36	0	21.27	21.41	21.41	23			
		36	19	21.32	21.30	21.34	23			
		36	39	21.23	21.23	21.30	23			
		75	0	21.29	21.38	21.35	23			
	16QAM	1	0	21.22	21.31	21.18	23			
		1	37	21.44	21.39	21.45	23			
		1	74	21.13	21.16	21.21	23			
		36	0	20.39	20.19	20.12	22			
		36	19	20.29	20.20	20.34	22			
		36	39	20.41	20.39	20.26	22			
64QAM	75	0	20.09	20.09	20.30	22				
	1	0	20.28	20.21	20.16	22				
	1	37	20.24	20.25	20.33	22				
	1	74	20.08	20.08	20.28	22				
	36	0	19.25	19.26	19.21	21				
	36	19	19.14	19.23	19.11	21				
10M	QPSK	1	0	21.34	21.29	21.10	23			
		1	24	21.45	21.39	21.53	23			
		1	49	22.09	22.13	22.20	24			
		25	0	21.29	21.38	21.42	23			
		25	12	21.36	21.43	21.30	23			
		25	25	21.16	21.30	21.33	23			
	16QAM	1	0	21.30	21.31	21.45	23			
		1	0	21.34	21.29	21.10	23			
		1	49	21.15	21.18	21.22	23			
		25	0	20.37	20.20	20.21	22			
		25	12	20.31	20.24	20.28	22			
		50	0	20.39	20.31	20.23	22			
64QAM	50	0	20.13	20.17	20.24	22				
	1	0	20.27	20.25	20.21	22				
	1	24	20.25	20.19	20.26	22				
	1	49	20.15	20.34	20.28	22				
	25	0	19.23	19.28	19.16	21				
	25	12	19.08	19.15	19.17	21				
5M	QPSK	1	0	21.37	21.33	21.22	23			
		1	12	21.47	21.38	21.47	23			
		1	24	21.14	21.20	21.14	23			
		12	0	20.34	20.11	20.13	22			
		12	6	20.38	20.26	20.23	22			
		12	13	20.32	20.39	20.25	22			
	16QAM	25	0	20.13	20.12	20.18	22			
		1	0	20.36	20.15	20.18	22			
		1	12	20.27	20.25	20.31	22			
		1	24	20.17	20.30	20.26	22			
		12	0	19.28	19.30	19.14	21			
		12	6	19.03	19.17	19.19	21			
5M	QPSK	1	0	19.37	19.21	19.22	21			
		1	12	19.37	19.21	19.22	21			
		1	24	19.19	19.10	19.30	21			
		12	0	19.19	19.10	19.30	21			
		12	6	19.03	19.17	19.19	21			
		12	13	19.37	19.21	19.22	21			
	5M	QPSK	25	0	19.19	19.10	19.30	21		
			1	0	22.25	22.18	22.22	24		
			1	24	22.37	22.33	22.25	24		
			1	49	22.09	22.13	22.20	24		
			25	0	21.29	21.38	21.42	23		
			25	12	21.36	21.43	21.30	23		
10M		QPSK	25	25	21.16	21.30	21.33	23		
			50	0	21.30	21.31	21.45	23		
			1	0	21.34	21.29	21.10	23		
			1	24	21.45	21.39	21.53	23		
			1	49	22.09	22.13	22.20	24		
			25	0	21.29	21.38	21.42	23		
	10M	QPSK	25	12	21.44	21.37	21.37	23		
			25	25	21.22	21.31	21.47	23		
			50	0	21.43	21.40	21.34	23		
			1	0	21.34	21.53	21.38	23		
			1	24	21.35	21.29	21.33	23		
			1	49	22.29	22.25	22.58	23		
10M		16QAM	25	0	20.17	20.43	20.17	22		
			25	12	20.30	20.28	20.32	22		
			25	25	20.43	20.30	20.20	22		
			50	0	20.31	20.29	20.35	22		
			1	0	20.10	20.15	20.28	22		
			1	24	20.28	20.07	20.17	22		
	64QAM	1	49	20.04	20.23	20.43	22			
		25	0	19.84	19.15	19.20	21			
		25	12	19.09	19.35	19.32	21			
		25	25	19.21	19.29	19.26	21			
		50	0	19.42	19.29	19.36	21			
		1	0	19.35	19.26	19.27	21			
5M	QPSK	1	0	22.35	22.24	22.36	24			
		1	24	22.20	22.31	22.40	24			
		1	49	22.24	22.26	22.26	24			
		25	0	21.39	21.48	21.54	23			
		25	12	21.44	21.37	21.37	23			
		25	25	21.22	21.31	21.47	23			
	5M	16QAM	50	0	21.43	21.40	21.34	23		
			1	0	21.34	21.53	21.38	23		
			1	24	21.35	21.29	21.33	23		
			1	49	22.29	22.25	22.58	23		
			25	0	20.17	20.43	20.17	22		
			25	12	20.30	20.28	20.32	22		
64QAM		25	25	20.43	20.30	20.20	22			
		50	0	20.31	20.29	20.35	22			
		1	0	20.10	20.15	20.28	22			
		1	24	20.28	20.07	20.17	22			
		1	49	20.04	20.23	20.43	22			
		25	0	19.84	19.15	19.20	21			
5M	QPSK	25	12	19.09	19.35	19.32	21			
		25	25	19.21	19.29	19.26	21			
		50	0	19.42	19.29	19.36	21			
		1	0	19.35	19.26	19.27	21			
		1	12	19.37	19.39	19.35	21			
		1	24	19.31	19.25	19.34	21			
	5M	16QAM	1	0	22.34	22.21	22.38	24		
			1	12	22.29	22.40	22.41	24		
			1	24	22.18	22.28	22.23	24		
			12	0	21.42	21.50	21.50	23		
			12	6	21.43	21.45	21.49	23		
			12	13	21.30	21.19	21.40	23		
64QAM		25	0	21.33	21.29	21.41	23			
		1	0	21.37	21.43	21.43	23			
		1	12	21.36	21.36	21.35	23			
		1	24	21.29	21.35	21.53	23			
		12	0	20.17	20.37	20.14	22			
		12	6	20.36	20.27	20.32	22			
5M	16QAM	12	13	20.33	20.19	20.17	22			
		25	0	20.35	20.24	20.34	22			
		1	0	20.04	20.26	20.24	22			
		1	12	20.16	20.08	20.07	22			
		1	24	20.10	20.06	20.35	22			
		12	0	19.87	19.23	19.14	21			
	64QAM	12	6	19.37	19.39	19.35	21			
		12	13	19.35	19.36	19.28	21			
		25	0	19.31	19.25	19.34	21			
		1	0	22.28	22.25	22.33	24			
		1	24	22.42	22.22	22.28	24			
		1	49	22.23	22.22	22.25	24			
10M	QPSK	25	0	21.41	21.25	21.29	23			
		25	12	21.29	21.17	21.17	23			
		25	25	21.47	21.29	21.18	23			
		50	0	21.33	21.25	21.16	23			
		1	0	21.32	21.15	21.48	23			
		1	24	21.25	21.15	21.28	23			
	10M	16QAM	1	49	21.32	21.17	21.12	23		
			25	0	20.63	20.38	20.08	22		
			25	12	20.32	20.15	20.22	22		
			25	25	20.42	20.29	20.24	22		
			50	0	20.17	20.33	20.13	22		
			1	0	20.39	20.36	20.21	22		
64QAM		1	24	20.14	20.41					

Intar Band CA DSIZ Power

CA_7C Ant1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.19	25
				16QAM	1	99	1	0	22.62	24
				64QAM	1	99	1	0	21.14	23
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	23.24	25
				16QAM	1	99	1	0	22.58	24
				64QAM	1	99	1	0	21.19	23
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.15	25
				16QAM	1	99	1	0	22.54	24
				64QAM	1	99	1	0	21.07	23

CA_38C Ant1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	23.54	25.5
				16QAM	1	99	1	0	22.57	24.5
				64QAM	1	99	1	0	21.59	23.5
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.89	25.5
				16QAM	1	99	1	0	22.69	24.5
				64QAM	1	99	1	0	21.54	23.5
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.55	25.5
				16QAM	1	99	1	0	22.61	24.5
				64QAM	1	99	1	0	21.52	23.5

CA_7C Ant4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.35	24.5
				16QAM	1	99	1	0	22.41	23.5
				64QAM	1	99	1	0	20.83	22.5
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	23.46	24.5
				16QAM	1	99	1	0	22.54	23.5
				64QAM	1	99	1	0	20.78	22.5
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.29	24.5
				16QAM	1	99	1	0	22.16	23.5
				64QAM	1	99	1	0	20.71	22.5

CA_38C Ant4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	23.13	25
				16QAM	1	99	1	0	22.05	24
				64QAM	1	99	1	0	21.07	23
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.08	25
				16QAM	1	99	1	0	22.11	24
				64QAM	1	99	1	0	21.09	23
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.18	25
				16QAM	1	99	1	0	22.09	24
				64QAM	1	99	1	0	21.10	23

GSM&WCDMA_Ant1 DS14 Power

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	32.84	32.88	32.70	33.50	28.25	28.13	28.07	29.00	
GPRS 1Tx Slot	32.81	32.86	32.63	33.50	28.34	28.31	28.25	29.00	
GPRS 2Tx Slot	30.61	30.65	30.43	31.00	25.89	25.83	25.83	26.50	
GPRS 3Tx Slot	28.78	28.85	28.68	29.50	24.22	24.28	24.32	25.00	
GPRS 4Tx Slot	26.81	26.88	26.73	27.50	22.50	22.76	22.81	23.50	
EDGE 1Tx Slot	26.28	26.33	26.32	28.00	23.96	23.73	23.56	25.00	
EDGE 2Tx Slot	23.94	24.00	23.92	25.50	21.66	21.42	21.29	22.50	
EDGE 3Tx Slot	22.17	22.25	22.15	24.00	19.68	19.58	19.44	21.00	
EDGE 4Tx Slot	20.72	20.81	20.76	22.50	18.16	18.18	17.80	19.50	

Source-Based Time-Averaged Power									
Band	GSM850				Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
	Channel	128	189	251		512	661	810	
GSM	23.84	23.88	23.70	24.50	19.25	19.13	19.07	20.00	
GPRS 1Tx Slot	23.81	23.86	23.63	24.50	19.34	19.31	19.25	20.00	
GPRS 2Tx Slot	24.61	24.65	24.43	25.00	19.89	19.83	19.83	20.50	
GPRS 3Tx Slot	24.52	24.59	24.42	25.24	19.96	20.02	20.06	20.74	
GPRS 4Tx Slot	23.81	23.88	23.73	24.50	19.50	19.76	19.81	20.50	
EDGE 1Tx Slot	17.28	17.33	17.32	19.00	14.96	14.73	14.56	16.00	
EDGE 2Tx Slot	17.94	18.00	17.92	19.50	15.66	15.42	15.29	16.50	
EDGE 3Tx Slot	17.91	17.99	17.89	19.74	15.42	15.32	15.18	16.74	
EDGE 4Tx Slot	17.72	17.81	17.76	19.50	15.16	15.18	14.80	16.50	

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9938	Max. Tune-up Power (dBm)	1537	1638	1738	Max. Tune-up Power (dBm)	4357	4407	4458	Max. Tune-up Power (dBm)
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	19.03	19.17	18.99	20.00	18.79	19.06	18.95	20.00	23.75	23.70	23.82	25.00
HSDPA Subtest-1	17.23	17.43	17.27	19.00	17.20	17.65	17.17	19.00	22.12	22.43	22.33	24.00
HSDPA Subtest-2	17.47	17.53	17.21	19.00	17.48	17.45	17.12	19.00	22.35	22.42	22.15	24.00
HSDPA Subtest-3	16.80	16.75	16.99	18.50	16.92	16.92	16.96	18.50	21.75	21.77	21.93	23.50
HSDPA Subtest-4	16.95	16.72	17.12	18.50	16.76	16.67	17.27	18.50	21.70	21.73	22.01	23.50
DC-HSDPA Subtest-1	17.36	17.19	17.37	19.00	17.36	17.16	17.53	19.00	22.39	22.07	22.35	24.00
DC-HSDPA Subtest-2	17.23	17.51	17.44	19.00	17.22	17.38	17.45	19.00	22.17	22.31	22.37	24.00
DC-HSDPA Subtest-3	16.71	16.81	16.79	18.50	16.73	16.85	16.75	18.50	21.61	21.82	21.78	23.50
DC-HSDPA Subtest-4	16.67	16.93	16.93	18.50	16.85	17.00	16.69	18.50	21.76	21.75	21.87	23.50
HSUPA Subtest-1	15.77	15.59	16.00	17.00	15.79	15.61	15.81	17.00	20.70	20.62	20.75	22.00
HSUPA Subtest-2	15.86	15.45	15.88	17.00	15.80	15.61	15.76	17.00	20.75	20.61	20.84	22.00
HSUPA Subtest-3	16.28	16.09	16.41	18.00	16.26	16.29	16.69	18.00	21.12	21.13	21.37	23.00
HSUPA Subtest-4	14.77	15.19	15.29	16.50	14.94	15.05	15.21	16.50	19.75	19.96	20.08	21.50
HSUPA Subtest-5	16.40	16.38	16.59	18.00	16.39	16.31	16.56	18.00	21.28	21.37	21.36	23.00

GSM&WCDMA_Ant4 DS14 Power

Band	GSM850				GSM1900				
	Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8		
GSM	31.93	32.05	31.96	33.50	27.69	27.71	27.69	29.00	
GPRS 1Tx Slot	31.90	32.08	31.80	33.50	27.68	27.75	27.73	29.00	
GPRS 2Tx Slot	29.66	29.88	29.61	31.00	25.10	25.26	25.33	26.50	
GPRS 3Tx Slot	27.86	28.02	27.96	29.50	23.52	23.63	23.91	25.00	
GPRS 4Tx Slot	25.89	26.04	25.97	27.50	21.92	22.13	22.36	23.50	
EDGE 1Tx Slot	26.14	26.09	26.16	28.00	23.79	23.51	23.43	25.00	
EDGE 2Tx Slot	23.86	23.83	23.77	25.50	21.41	21.19	21.07	22.50	
EDGE 3Tx Slot	22.31	22.14	22.28	24.00	19.50	19.32	19.41	21.00	
EDGE 4Tx Slot	20.82	20.58	20.76	22.50	18.60	18.41	18.48	19.50	

Source-Based Time-Averaged Power									
Band	GSM850				Max. Tune-up Power (dBm)	GSM1900			Max. Tune-up Power (dBm)
	Channel	128	189	251		512	661	810	
GSM	22.93	23.05	22.96	24.50	18.69	18.71	18.69	20.00	
GPRS 1Tx Slot	22.90	23.08	22.80	24.50	18.68	18.75	18.73	20.00	
GPRS 2Tx Slot	23.66	23.88	23.61	25.00	19.10	19.26	19.33	20.50	
GPRS 3Tx Slot	23.60	23.76	23.70	25.24	19.26	19.37	19.65	20.74	
GPRS 4Tx Slot	22.89	23.04	22.97	24.50	18.92	19.13	19.36	20.50	
EDGE 1Tx Slot	17.14	17.09	17.16	19.00	14.79	14.51	14.43	16.00	
EDGE 2Tx Slot	17.86	17.83	17.77	19.50	15.41	15.19	15.07	16.50	
EDGE 3Tx Slot	18.05	17.88	18.02	19.74	15.24	15.06	15.15	16.74	
EDGE 4Tx Slot	17.82	17.58	17.76	19.50	15.60	15.41	15.48	16.50	

Band	WCDMA II			WCDMA II	WCDMA IV			WCDMA IV	WCDMA V			WCDMA V
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9938	Max. Tune-up Power (dBm)	1537	1638	1738	Max. Tune-up Power (dBm)	4357	4407	4458	Max. Tune-up Power (dBm)
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	19.17	19.20	19.18	20.50	21.46	21.52	21.43	22.50	23.21	23.14	23.32	25.00
HSDPA Subtest-1	18.23	18.17	18.09	19.50	20.33	20.28	20.20	21.50	22.38	22.36	22.02	24.00
HSDPA Subtest-2	18.19	18.22	17.95	19.50	20.37	20.22	20.02	21.50	22.18	22.12	22.11	24.00
HSDPA Subtest-3	17.72	17.63	17.60	19.00	20.00	19.83	19.80	21.00	21.68	21.67	21.55	23.50
HSDPA Subtest-4	17.75	17.54	17.44	19.00	19.67	19.73	19.50	21.00	21.77	21.62	21.59	23.50
DC-HSDPA Subtest-1	18.10	18.25	17.99	19.50	20.33	20.28	19.99	21.50	22.32	22.26	22.09	24.00
DC-HSDPA Subtest-2	18.11	18.06	18.14	19.50	20.28	20.21	20.14	21.50	22.27	22.09	22.11	24.00
DC-HSDPA Subtest-3	17.82	17.52	17.56	19.00	19.96	19.78	19.58	21.00	21.73	21.70	21.62	23.50
DC-HSDPA Subtest-4	17.71	17.66	17.69	19.00	19.89	19.67	19.45	21.00	21.84	21.61	21.60	23.50
HSUPA Subtest-1	16.81	16.64	16.47	17.50	18.86	18.81	18.38	19.50	20.80	20.59	20.47	22.00
HSUPA Subtest-2	16.73	16.43	16.38	17.50	18.72	18.71	18.51	19.50	20.68	20.51	20.34	22.00
HSUPA Subtest-3	17.15	16.94	16.97	18.50	19.12	19.14	18.92	20.50	21.20	21.14	21.09	23.00
HSUPA Subtest-4	15.73	15.88	15.56	17.00	17.90	17.88	17.69	19.00	19.68	19.73	19.63	21.50
HSUPA Subtest-5	17.35	17.19	17.00	18.50	19.43	19.36	19.10	20.50	21.33	21.25	21.27	23.00

LTE Band 7 (Ant1)										
BW	Modulation	RB Size	RB Offset	Channel	2090	2100	2130	Max. Tune-up (dBm)		
				Frequency (MHz)	2095	2105	2135			
20M	QPSK	50	0	22.52	22.50	22.37	23.5			
				1	50	22.58	22.68	22.42	23.5	
				1	99	22.43	22.29	22.32	23.5	
				50	0	22.31	22.41	22.21	23.5	
				50	25	22.42	22.54	22.38	23.5	
				50	50	22.38	22.44	22.11	23.5	
		100	0	22.48	22.52	22.37	23.5			
		16QAM	1	0	22.54	22.58	22.22	23.5		
					1	50	22.40	22.41	22.42	23.5
					1	99	22.47	22.37	22.21	23.5
					50	0	21.79	21.75	21.83	23
					50	25	21.99	21.99	21.64	23
	50				50	21.92	21.79	21.55	23	
	64QAM	100	0	21.89	21.83	21.57	23			
				1	0	21.95	22.09	21.88	23	
				1	50	22.04	22.09	21.84	23	
				1	99	21.97	21.81	21.64	23	
				50	25	20.90	20.83	20.73	22	
				50	50	20.92	20.86	20.50	22	
	15M	QPSK	36	0	21.00	20.97	20.70	22		
					1	37	22.38	22.46	22.31	23.5
					1	74	22.41	22.27	22.30	23.5
					36	0	22.16	22.30	22.19	23.5
					36	19	22.38	22.48	22.28	23.5
36					39	22.28	22.34	22.00	23.5	
16QAM			75	0	22.36	22.46	22.32	23.5		
					1	0	22.52	22.52	22.07	23.5
					1	37	22.27	22.35	22.36	23.5
					1	74	22.42	22.34	22.20	23.5
					36	0	21.77	21.68	21.82	23
					36	19	21.88	21.93	21.50	23
64QAM		38	0	21.78	21.68	21.49	23			
				75	0	21.84	21.80	21.54	23	
				1	0	21.92	21.99	21.78	23	
				1	37	21.89	21.97	21.77	23	
				1	74	21.93	21.68	21.61	23	
				38	0	20.87	20.67	20.72	22	
10M		QPSK	36	0	20.82	20.75	20.68	22		
					36	39	20.79	20.77	20.49	22
					75	0	20.92	20.84	20.57	22
					1	0	22.47	22.48	22.25	23.5
					1	24	22.46	22.52	22.39	23.5
					1	49	22.29	22.21	22.25	23.5
	16QAM		25	0	22.22	22.30	22.10	23.5		
					25	12	22.41	22.53	22.27	23.5
					25	25	22.35	22.41	22.10	23.5
					50	0	22.45	22.46	22.36	23.5
					1	0	22.43	22.45	22.07	23.5
					1	24	22.39	22.34	22.32	23.5
	64QAM	1	49	22.35	22.33	22.07	23.5			
				25	0	21.65	21.61	21.81	23	
				25	12	21.95	21.92	21.55	23	
				25	25	21.82	21.72	21.53	23	
				50	0	21.78	21.74	21.42	23	
				50	0	21.81	22.02	21.78	23	
	5M	QPSK	12	0	22.03	22.06	21.80	23		
					1	24	22.03	22.06	21.80	23
					1	49	21.83	21.71	21.61	23
					25	0	20.89	20.70	20.68	22
					25	12	20.80	20.80	20.71	22
					25	25	20.79	20.71	20.35	22
16QAM			50	0	20.96	20.83	20.58	22		
					1	0	22.45	22.40	22.32	23.5
					1	12	22.45	22.60	22.28	23.5
					1	24	22.31	22.28	22.18	23.5
					12	0	22.16	22.37	22.13	23.5
					12	6	22.34	22.48	22.26	23.5
64QAM		12	13	22.32	22.29	22.02	23.5			
				25	0	22.40	22.37	22.24	23.5	
				1	0	22.47	22.49	22.18	23.5	
				1	12	22.28	22.26	22.33	23.5	
				1	24	22.33	22.28	22.13	23.5	
				12	0	21.74	21.68	21.68	23	
1.4M		QPSK	3	0	21.95	21.94	21.55	23		
					12	13	21.82	21.72	21.48	23
					25	0	21.81	21.72	21.42	23
					1	0	21.81	22.08	21.80	23
					1	12	21.99	21.95	21.72	23
					1	24	21.82	21.70	21.60	23
	16QAM		12	0	20.90	20.78	20.74	22		
					12	6	20.75	20.64	20.60	22
					12	13	20.82	20.72	20.49	22
					25	0	20.92	20.94	20.67	22
					1	0	22.46	22.45	22.35	23.5
					1	7	22.54	22.58	22.45	23.5
	64QAM	15	0	22.42	22.44	22.30	23.5			
				1	0	22.59	22.57	22.46	23.5	
				1	7	22.62	22.58	22.49	23.5	
				1	14	22.30	22.36	22.50	23.5	
				8	0	21.48	21.18	21.15	22.5	
				8	3	21.47	21.27	21.27	22.5	
		16QAM	15	0	21.32	21.38	21.30	22.5		
					1	0	22.62	22.62	22.48	23.5
					1	7	22.62	22.58	22.40	23.5
					1	14	22.30	22.36	22.50	23.5
					8	0	21.48	21.18	21.15	22.5
					8	3	21.47	21.27	21.27	22.5
3M	QPSK	8	0	23.42	23.45	23.38	24.5			
				1	12	24.40	24.29	24.23	25.5	
				1	24	24.20	24.23	24.32	25.5	
				12	0	23.51	23.44	23.32	24.5	
				12	6	23.42	23.31	23.24	24.5	
				12	13	23.37	23.38	23.24	24.5	
	16QAM	25	0	23.50	23.48	23.19	24.5			
				1	0	23.69	23.64	23.60	24.5	
				1	12	23.64	23.51	23.48	24.5	
				1	24	23.46	23.50	23.69	24.5	
				12	0	22.53	22.28	22.28	23.5	
				12	6	22.48	22.38	22.38	23.5	
64QAM	25	0	23.41	23.40	23.25	24.5				
			25	0	22.52	22.45	22.25	23.5		
			1	0	22.61	22.60	22.37	23.5		
			1	12	22.56	22.44	22.45	23.5		
			1	24	22.36	22.37	22.51	23.5		
			12	0	21.48	21.27	21.18	22.5		
	16QAM	12	0	21.44	21.38	21.25	22.5			
				12	13	21.32	21.28	21.20	22.5	
				25	0	21.41	21.25	21.19	22.5	
				1	0	23.45	23.48	23.29	24.5	
				1	7	23.54	23.52	23.42	24.5	
				1	14	24.23	24.19	24.36	25.5	
1.4M	QPSK	3	0	23.52	23.52	23.39	24.5			
				3	1	24.13	24.14	24.09	25.5	
				3	3	24.30	24.23	24.06	25.5	
				6	0	23.49	23.43	23.23	24.5	
				1	0	23.72	23.57	23.59	24.5	
				1	2	23.56	23.44	23.52	24.5	
	16QAM	3	0	23.58	23.40	23.65	24.5			
				3	0	23.35	23.12	22.98	24.5	
				3	1	23.33	23.22	23.18	24.5	
				3	3	23.25	23.17	23.09	24.5	
				6	0	22.44	22.47	22.19	23.5	
				1	0	22.65	22.52	22.43	23.5	
64QAM	1	5	22.62	22.48	22.39	23.5				
			1	5	22.39	22.29	22.44	23.5		
			3	0	22.27	22.13	22.04	23.5		
			3	1	22.29	22.20	22.07	23.5		
			3	3	22.18	22.11	22.07	23.5		
			6	0	21.43	21.25	21.26	22.5		

LTE Band 12 (Ant1)										
BW	Modulation	RB Size	RB Offset	Channel	2300	2305	2310	Max. Tune-up (dBm)		
				Frequency (MHz)	2304	2309.5	2314			
10M	QPSK	25	0	24.81	24.47	24.42	25.5			
				1	24	24.44	24.39	24.35	25.5	
				1	49	24.30	24.31	24.40	25.5	
				25	0	23.54	23.45	23.37	24.5	
				25	12	23.44	23.42	23.33	24.5	
				25	25	23.51	23.43	23.35	24.5	
		16QAM	1	0	23.74	23.71	23.64	24.5		
					1	24	23.69	23.58	23.63	24.5
					1	49	23.61	23.55	23.72	24.5
					25	0	22.58	22.42	22.31	23.5
					25	12	22.54	22.44	22.42	23.5
					25	25	22.95	22.43	22.37	23.5
	64QAM	50	0	22.53	22.48	22.34	23.5			
				1	0	22.71	22.64	22.48	23.5	
				1	24	22.65	22.59	22.49	23.5	
				1	49	22.44	22.40	22.53	23.5	
				25	0	21.53	21.33	21.30	22.5	
				25	12	21.48	21.39	21.37	22.5	
	5M	QPSK	12	0	21.47	21.42	21.31	22.5		
					1	24	21.55	21.38	21.32	22.5
					1	0	24.42	24.45	24.38	25.5
					1	12	24.40	24.29	24.23	25.5
					1	24	24.20	24.23	24.32	25.5
					12	0	23.51	23.44	23.32	24.5
16QAM			12	6	23.42	23.31	23.24	24.5		
					12	13	23.37	23.38	23.24	24.5
					25	0	23.50	23.48	23.19	24.5
					1	0	23.69	23.64	23.60	24.5
					1	12	23.64	23.51	23.48	24.5
					1	24	23.46	23.50	23.69	24.5
64QAM		12	0	22.53	22.28	22.28	23.5			
				12	6	22.48	22.38	22.38	23.5	
				12	13	22.41	22.38	22.25	23.5	
				25	0	22.52	22.45	22.25	23.5	
				1	0	22.61	22.60	22.37	23.5	
				1	12	22.56	22.44	22.45	23.5	

LTE Band 17 (Ant1)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	Frequency (MHz)	23760	23790	23800		
10M	QPSK	1	0	24.36	24.46	24.41	25.5	
		1	24	24.34	24.39	24.32	25.5	
		1	49	24.32	24.31	24.40	25.5	
		25	0	23.25	23.27	23.27	24.5	
		25	12	23.34	23.33	23.25	24.5	
		25	25	23.36	23.38	23.29	24.5	
	16QAM	1	0	23.56	23.68	23.67	24.5	
		1	24	23.49	23.56	23.60	24.5	
		1	49	23.54	23.52	23.66	24.5	
		25	0	22.27	22.38	22.29	23.5	
		25	12	22.37	22.38	22.36	23.5	
		25	25	22.40	22.30	22.34	23.5	
	64QAM	1	0	22.32	22.28	22.33	23.5	
		1	24	22.54	22.55	22.59	23.5	
		1	49	22.44	22.48	22.58	23.5	
		25	0	21.27	21.30	21.28	22.5	
		25	12	21.41	21.39	21.37	22.5	
		25	25	21.37	21.31	21.25	22.5	
	5M	QPSK	1	0	23.75	23.79	23.82	25.5
			1	12	24.33	24.42	24.26	25.5
			1	24	24.30	24.29	24.28	25.5
			12	0	23.16	23.25	23.20	24.5
			12	6	23.32	23.18	23.17	24.5
			12	13	23.30	23.31	23.28	24.5
16QAM		1	0	23.21	23.38	23.22	24.5	
		1	12	23.46	23.59	23.55	24.5	
		1	24	23.44	23.51	23.47	24.5	
		1	39	23.39	23.37	23.63	24.5	
		12	0	22.25	22.30	22.28	23.5	
		12	6	22.24	22.31	22.21	23.5	
64QAM		1	0	22.18	22.20	22.24	23.5	
		1	12	22.49	22.44	22.48	23.5	
		1	24	22.38	22.51	22.52	23.5	
		1	24	22.33	22.39	22.35	23.5	
		12	0	21.16	21.26	21.14	22.5	
		12	6	21.40	21.37	21.31	22.5	

LTE Band 26 (Ant1)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	Frequency (MHz)	26765	26865	26965		
10M	QPSK	1	0	24.58	24.57	24.55	25.5	
		1	37	24.63	24.67	24.64	25.5	
		1	74	24.54	24.62	24.53	25.5	
		36	0	23.52	23.61	23.59	24.5	
		36	19	23.48	23.55	23.57	24.5	
		36	36	23.49	23.49	23.48	24.5	
	16QAM	1	0	23.83	23.73	23.77	24.5	
		1	37	23.86	23.82	23.84	24.5	
		1	74	23.88	23.76	23.69	24.5	
		36	0	22.55	22.57	22.60	23.5	
		36	19	22.63	22.55	22.61	23.5	
		36	36	22.61	22.62	22.52	23.5	
	64QAM	1	0	22.56	22.53	22.54	23.5	
		1	37	22.70	22.65	22.71	23.5	
		1	74	22.78	22.76	22.77	23.5	
		1	74	22.64	22.71	22.63	23.5	
		36	19	21.62	21.57	21.60	22.5	
		36	36	21.61	21.53	21.49	22.5	
	5M	QPSK	1	0	26.76	26.86	26.96	25.5
			1	12	24.45	24.55	24.47	25.5
			1	24	24.55	24.65	24.52	25.5
			1	49	24.48	24.55	24.47	25.5
			25	0	23.49	23.49	23.47	24.5
			25	12	23.37	23.54	23.43	24.5
16QAM		25	25	23.48	23.57	23.46	24.5	
		50	0	23.50	23.52	23.41	24.5	
		1	0	23.68	23.64	23.72	24.5	
		1	24	23.76	23.67	23.77	24.5	
		1	49	23.84	23.74	23.66	24.5	
		25	0	22.54	22.50	22.46	23.5	
64QAM		25	12	22.62	22.49	22.58	23.5	
		25	25	22.59	22.41	22.41	23.5	
		50	0	22.47	22.48	22.40	23.5	
		1	0	22.67	22.59	22.65	23.5	
		1	24	22.72	22.62	22.73	23.5	
		1	49	22.52	22.70	22.58	23.5	
5M		QPSK	1	0	26.85	26.85	26.85	25.5
			1	12	24.54	24.54	24.53	25.5
			1	24	24.43	24.53	24.52	25.5
			12	0	23.48	23.56	23.54	24.5
			12	6	23.47	23.52	23.51	24.5
			12	13	23.47	23.53	23.42	24.5
	16QAM	25	0	23.48	23.51	23.42	24.5	
		1	0	23.73	23.63	23.69	24.5	
		1	12	23.78	23.69	23.69	24.5	
		1	24	23.87	23.62	23.60	24.5	
		12	0	22.42	22.52	22.56	23.5	
		12	6	22.58	22.53	22.48	23.5	
	64QAM	12	13	22.51	22.41	22.41	23.5	
		25	0	22.50	22.38	22.46	23.5	
		1	0	22.51	22.56	22.56	23.5	
		1	12	22.73	22.65	22.73	23.5	
		1	24	22.53	22.56	22.51	23.5	
		12	0	21.40	21.50	21.44	22.5	
	5M	QPSK	1	0	26.76	26.86	26.96	25.5
			1	7	24.59	24.59	24.54	25.5
			1	14	24.38	24.56	24.45	25.5
			8	0	23.50	23.51	23.57	24.5
			8	3	23.45	23.42	23.50	24.5
			8	7	23.47	23.43	23.49	24.5
16QAM		15	0	23.53	23.50	23.50	24.5	
		1	0	23.74	23.71	23.68	24.5	
		1	7	23.81	23.71	23.70	24.5	
		1	14	23.78	23.72	23.60	24.5	
		8	0	22.40	22.44	22.46	23.5	
		8	3	22.51	22.51	22.52	23.5	
64QAM		8	7	22.52	22.47	22.46	23.5	
		15	0	22.49	22.52	22.45	23.5	
		1	0	22.57	22.50	22.62	23.5	
		1	7	22.72	22.68	22.72	23.5	
		1	14	22.60	22.56	22.53	23.5	
		8	0	21.48	21.42	21.50	22.5	
5M		QPSK	1	0	26.87	26.96	27.03	25.5
			1	1	24.48	24.52	24.53	25.5
			1	2	24.60	24.61	24.55	25.5
			1	5	24.41	24.47	24.50	25.5
			3	0	24.19	24.37	24.34	25.5
			3	1	24.26	24.31	24.29	25.5
	16QAM	3	3	24.19	24.34	24.19	25.5	
		6	0	23.49	23.51	23.45	24.5	
		1	0	23.81	23.84	23.71	24.5	
		1	2	23.81	23.88	23.76	24.5	
		1	5	23.84	23.79	23.64	24.5	
		3	0	23.23	23.37	23.35	24.5	
	64QAM	3	1	23.39	23.36	23.33	24.5	
		3	3	23.35	23.22	23.25	24.5	
		6	0	22.55	22.48	22.49	23.5	
		1	0	22.55	22.64	22.69	23.5	
		1	2	22.71	22.67	22.62	23.5	
		1	5	22.62	22.65	22.60	23.5	
	1.4M	QPSK	3	0	22.33	22.29	22.27	23.5
			3	1	22.34	22.36	22.36	23.5
			3	3	22.33	22.27	22.24	23.5
			6	0	22.55	22.48	22.49	23.5
			1	0	22.55	22.64	22.69	23.5
			1	2	22.71	22.67	22.62	23.5
16QAM		3	0	22.33	22.29	22.27	23.5	
		3	1	22.34	22.36	22.36	23.5	
		3	3	22.33	22.27	22.24	23.5	
		6	0	22.55	22.48	22.49	23.5	
		1	0	22.55	22.64	22.69	23.5	
		1	2	22.71	22.67	22.62	23.5	
64QAM		3	0	22.33	22.29	22.27	23.5	
		3	1	22.34	22.36	22.36	23.5	
		3	3	22.33	22.27	22.24	23.5	
		6	0	22.55	22.48	22.49	23.5	
		1	0	22.55	22.64	22.69	23.5	
		1	2	22.71	22.67	22.62	23.5	

LTE Band 38 (Ant1)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	Frequency (MHz)	37850	38000	38150		
20M	QPSK	1	0	22.98	23.08	22.96	24.5	
		1	50	23.09	23.18	22.99	24.5	
		1	99	22.87	22.86	22.89	24.5	
		50	0	22.94	23.04	22.95	24.5	
		50	25	22.83	22.87	22.92	24.5	
		50	50	22.80	22.85	22.86	24.5	
	16QAM	100	0	22.82	22.86	22.81	24.5	
		1	0	22.79	22.86	22.85	24.5	
		1	50	22.94	22.88	22.95	24.5	
		1	99	22.77	22.81	22.71	24.5	
		50	0	21.92	21.83	21.99	23.5	
		50	25	21.91	21.93	21.92	23.5	
	64QAM	50	50	21.90	21.80	21.91	23.5	
		100	0	21.92	21.91	21.95	23.5	
		1	0	21.69	21.70	21.93	23.5	
		1	50	21.90	21.68	21.70	23.5	
		1	99	21.77	21.77	21.60	23.5	
		50	25	20.86	20.81	20.91	22.5	
	15M	QPSK	50	50	20.78	20.70	20.80	22.5
			100	0	20.89	20.81	20.89	22.5
			1	0	22.91	22.94	22.83	24.5
			1	37	22.94	22.98	22.85	24.5
			1	74	22.72	22.80	22.81	24.5
			36	0	22.86	22.89	22.87	24.5
16QAM		36	19	22.75	22.82	22.85	24.5	
		36	39	22.77	22.78	22.76	24.5	
		75	0	22.69	22.75	22.73	24.5	
		1	0	22.77	22.84	22.76	24.5	
		1	37	22.92	22.84	22.89	24.5	
		1	74	22.62	22.73	22.62		

LTE Band 41 (Ant1)										
BW	Modulation	RB Size		Channel					Max. Tune-up (dBm)	
		RB Offset	Low	Low Mid	Mid	High Mid	High			
20M	QPSK	0	23.21	23.12	23.18	23.13	22.98	24.5		
		1	50	23.14	23.04	23.07	23.02	22.90	24.5	
		1	99	23.17	22.65	22.95	22.89	22.94	24.5	
		50	0	23.15	22.70	23.05	23.10	22.93	24.5	
		50	25	23.11	22.68	22.98	22.98	22.78	24.5	
		50	50	23.07	22.69	22.99	22.90	22.75	24.5	
		100	0	23.14	22.77	23.03	22.96	22.89	24.5	
		1	0	23.12	22.82	23.00	22.97	22.76	24.5	
		1	50	23.18	22.73	22.94	22.98	22.80	24.5	
		1	99	23.08	22.65	22.84	22.80	22.75	24.5	
		50	0	22.14	21.90	22.05	22.02	21.93	23.5	
		50	25	22.10	21.83	21.81	21.98	21.81	23.5	
	50	50	22.13	21.77	22.02	21.93	21.74	23.5		
	100	0	22.08	21.79	21.94	21.96	21.76	23.5		
	1	0	21.98	21.81	21.82	21.79	21.91	23.5		
	1	50	22.02	21.68	21.76	21.94	21.89	23.5		
	1	99	21.90	21.59	21.73	21.82	21.65	23.5		
	50	0	21.06	20.82	20.96	21.07	20.91	22.5		
	50	25	21.01	20.76	20.89	20.92	20.81	22.5		
	50	50	20.99	20.70	20.85	21.04	20.89	22.5		
	100	0	21.12	20.76	20.87	20.91	20.70	22.5		
	15M	QPSK	0	23.10	22.99	23.05	23.04	22.90	24.5	
			1	37	23.02	22.90	23.11	22.91	22.86	24.5
			1	74	23.12	22.87	22.80	22.86	22.89	24.5
			36	0	22.90	22.79	22.85	22.77	22.91	24.5
			36	19	23.06	22.68	22.85	22.77	22.87	24.5
			36	39	22.95	22.70	22.98	22.66	22.71	24.5
			75	0	22.96	22.79	22.89	22.75	22.84	24.5
			1	0	23.09	22.91	22.98	22.96	22.62	24.5
			1	37	23.11	22.79	22.88	22.85	22.66	24.5
			1	74	23.05	22.55	22.71	22.58	22.65	24.5
			36	0	22.02	22.00	22.00	22.00	21.78	23.5
			36	19	22.07	21.68	21.76	21.87	21.76	23.5
		36	39	22.07	21.72	21.91	21.64	21.69	23.5	
		75	0	21.93	21.88	21.86	21.81	21.66	23.5	
		1	0	21.80	21.81	21.78	21.72	21.76	23.5	
1		37	21.91	21.77	21.65	21.75	21.81	23.5		
1		74	21.75	21.62	21.71	21.72	21.60	23.5		
36		0	21.01	20.86	20.89	20.87	20.89	22.5		
36		19	20.93	20.68	20.77	20.79	20.66	22.5		
36		39	20.84	20.67	20.83	20.74	20.57	22.5		
75		0	20.98	20.77	20.77	20.85	20.55	22.5		
10M		QPSK	0	23.19	22.97	23.01	23.13	22.84	24.5	
			1	24	23.09	22.83	23.04	23.02	22.75	24.5
			1	49	23.09	22.67	22.89	22.89	22.82	24.5
			25	0	22.93	22.62	22.80	22.96	22.78	24.5
			25	12	22.96	22.65	22.95	22.98	22.76	24.5
			25	25	22.94	22.52	22.95	22.90	22.64	24.5
			50	0	23.00	22.67	22.90	22.96	22.77	24.5
			1	0	23.01	22.76	22.90	22.97	22.68	24.5
			1	24	23.12	22.78	22.91	22.98	22.67	24.5
			1	49	22.93	22.66	22.81	22.80	22.69	24.5
			25	0	22.04	21.68	22.02	22.02	21.82	23.5
			25	12	22.07	21.74	21.79	21.98	21.74	23.5
		25	25	21.99	21.60	21.97	21.93	21.63	23.5	
		50	0	21.88	21.73	21.88	21.96	21.70	23.5	
		1	0	21.81	21.87	21.79	21.79	21.79	23.5	
	1	24	21.90	21.73	21.72	21.94	21.85	23.5		
	1	49	21.86	21.64	21.66	21.82	21.62	23.5		
	25	0	21.03	20.71	20.87	21.07	20.83	22.5		
	25	12	20.93	20.63	20.77	20.92	20.72	22.5		
	25	25	20.84	20.61	20.81	21.04	20.56	22.5		
	50	0	21.07	20.74	20.75	20.91	20.68	22.5		
	5M	QPSK	0	23.15	23.11	22.98	23.01	22.91	24.5	
			1	12	23.04	23.02	23.07	22.98	22.82	24.5
			1	24	23.04	22.72	22.84	22.77	22.87	24.5
			12	0	22.90	22.84	22.88	22.68	22.83	24.5
			12	6	22.97	22.70	22.97	22.70	22.77	24.5
			12	13	23.05	22.67	22.90	22.60	22.74	24.5
			25	0	23.08	22.73	22.91	22.72	22.74	24.5
			1	0	23.07	22.87	22.91	22.90	22.73	24.5
			1	12	23.16	22.70	22.86	22.78	22.70	24.5
			1	24	23.07	22.54	22.78	22.52	22.73	24.5
			12	0	22.02	21.81	22.02	21.89	21.81	23.5
			12	6	21.97	21.81	21.76	21.88	21.73	23.5
		12	13	21.98	21.75	21.92	21.71	21.61	23.5	
		25	0	21.94	21.61	21.87	21.83	21.71	23.5	
		1	0	21.75	21.69	21.73	21.76	21.90	23.5	
1		12	21.97	21.63	21.72	21.81	21.81	23.5		
1		24	21.88	21.55	21.58	21.75	21.54	23.5		
12		0	21.01	20.90	20.93	20.94	20.84	22.5		
12		6	20.86	20.86	20.86	20.87	20.77	22.5		
12		13	20.86	20.74	20.84	20.75	20.66	22.5		
25		0	20.98	20.78	20.85	20.73	20.67	22.5		

LTE Band 66 (Ant1)									
BW	Modulation	RB Size		Channel					Max. Tune-up (dBm)
		RB Offset	Low	Mid	High	Max. Tune-up (dBm)			
20M	QPSK	0	17.66	17.71	17.75	19			
		1	50	17.87	17.86	17.90	19		
		1	99	17.79	17.73	17.73	19		
		50	0	17.68	17.61	17.63	19		
		50	25	17.79	17.88	17.74	19		
		50	50	17.75	17.80	17.71	19		
		100	0	17.78	17.93	17.82	19		
		1	0	17.54	17.73	17.65	19		
		1	50	17.72	17.74	17.53	19		
		1	99	17.80	17.70	17.61	19		
		50	0	17.66	17.29	17.48	19		
		50	25	17.58	17.56	17.40	19		
	50	50	17.55	17.57	17.39	19			
	100	0	17.60	17.42	17.63	19			
	1	0	17.49	17.56	17.77	19			
	1	50	17.61	17.86	17.71	19			
	1	99	17.89	17.74	17.53	19			
	50	0	17.73	17.78	17.77	19			
	50	25	17.78	17.87	17.67	19			
	50	50	17.87	17.77	17.73	19			
	100	0	17.69	17.63	17.72	19			
	15M	QPSK	0	17.61	17.70	17.71	19		
			1	37	17.86	17.91	17.77	19	
			1	74	17.70	17.67	17.72	19	
			36	0	17.62	17.52	17.55	19	
			36	19	17.72	17.78	17.71	19	
			36	39	17.72	17.65	17.60	19	
			75	0	17.68	17.85	17.72	19	
			1	0	17.39	17.62	17.57	19	
			1	37	17.70	17.70	17.47	19	
			1	74	17.76	17.59	17.52	19	
			36	0	17.61	17.25	17.36	19	
			36	19	17.60	17.46	17.64	19	
		36	39	17.41	17.49	17.37	19		
		75	0	17.32	17.32	17.59	19		
		1	0	17.45	17.48	17.66	19		
1		37	17.50	17.82	17.68	19			
1		74	17.60	17.73	17.42	19			
36		0	17.60	17.73	17.64	19			
36		19	17.67	17.61	17.61	19			
36		39	17.86	17.76	17.60	19			
75		0	17.78	17.78	17.62	19			
10M		QPSK	0	17.61	17.57	17.60	19		
			1	24	17.62	17.93	17.77	19	
			1	49	17.72	17.65	17.65	19	
			25	0	17.62	17.54	17.59	19	
			25	12	17.73	17.79	17.61	19	
			25	25	17.70	17.77	17.57	19	
			50	0	17.69	17.87	17.75	19	
			1	0	17.46	17.65	17.63	19	
			1	24	17.58	17.61	17.51	19	
			1	49	17.70	17.63	17.46	19	
			25	0	17.51	17.15	17.42	19	
			25	12	17.55	17.46	17.28	19	
		25	25	17.46	17.33	17.35	19		
		50	0	17.31	17.38	17.58	19		
		1	0	17.37	17.49	17.72	19		
	1	24	17.59	17.79	17.65	19			
	1	49	17.79	17.61	17.47	19			
	25	0	17.64	17.67	17.66	19			
	25	12	17.67	17.81	17.83	19			
	25	25	17.85	17.86	17.60	19			
	50	0	17.62	17.77	17.60	19			
	5M	QPSK	0	17.60	17.60	17.75	19		
			1	12	17.85	17.94	17.75	19	
			1	24	17.64	17.62	17.68	19	
			12	0	17.6				

LTE_Ant2 DS4 Power

LTE Band 42 FCC Part27Q (Ant2)									
BW	MCS Index	RB Size	RB Offset	Channel			Max. Tune-up (dBm)		
				4290	4290	4290			
20M	QPSK	1	0	20.98	20.99	20.95	22		
		1	50	21.11	21.00	20.97	22		
		1	99	20.89	20.86	20.81	22		
		50	0	20.10	20.03	19.96	21		
		50	25	20.21	20.12	20.02	21		
		50	50	20.15	19.93	19.92	21		
	100	0	20.18	20.04	19.92	21			
	16QAM	1	0	20.17	19.98	19.96	21		
		1	50	20.25	20.04	19.96	21		
		1	99	20.10	19.93	19.95	21		
		50	0	19.21	19.03	18.97	20		
		50	25	19.14	19.01	19.02	20		
		50	50	19.12	19.06	18.99	20		
	64QAM	100	0	19.09	19.00	18.92	20		
		1	0	18.68	18.62	18.63	20		
		1	50	18.80	18.63	18.53	20		
		1	99	18.67	18.60	18.47	20		
		50	0	18.11	18.03	17.89	19		
		50	25	18.05	18.05	17.88	19		
	15M	QPSK	1	0	20.19	20.19	20.19	21	
			1	37	20.19	19.94	19.92	21	
			36	19	20.13	19.98	19.94	21	
			36	39	20.06	19.92	19.83	21	
			75	0	20.03	19.95	19.90	21	
1			0	20.09	19.85	19.81	21		
16QAM		1	37	20.19	19.94	19.87	21		
		1	74	20.03	19.89	19.83	21		
		36	0	19.07	18.96	18.87	20		
		36	19	19.02	18.92	18.97	20		
		36	39	18.94	18.90	18.89	20		
		75	0	18.97	18.89	18.83	20		
64QAM		1	0	18.59	18.57	18.51	20		
		1	37	18.66	18.57	18.45	20		
		1	74	18.58	18.55	18.36	20		
		36	0	17.86	17.85	17.82	19		
		36	19	17.93	17.90	17.91	19		
		36	39	17.97	17.76	17.80	19		
10M		QPSK	1	0	18.01	17.80	17.74	19	
			1	24	20.99	20.85	20.85	22	
			1	49	20.85	20.85	20.72	22	
			25	0	19.85	19.99	19.92	21	
			25	12	20.14	20.07	19.96	21	
			25	25	20.06	19.88	19.84	21	
	16QAM	1	0	20.05	20.03	19.86	21		
		1	0	20.09	19.85	19.86	21		
		1	24	20.24	19.96	19.88	21		
		1	49	20.04	19.78	19.89	21		
		25	0	19.06	18.88	18.83	20		
		25	12	19.01	18.87	18.96	20		
	64QAM	25	25	19.11	19.02	18.92	20		
		50	0	19.01	18.86	18.85	20		
		1	0	18.59	18.49	18.56	20		
		1	24	18.71	18.61	18.40	20		
		1	49	18.52	18.55	18.35	20		
		25	0	17.99	17.97	17.81	19		
	5M	QPSK	1	0	17.99	17.83	17.79	19	
			1	12	20.06	19.88	19.84	21	
			1	12	20.24	19.90	19.83	21	
			1	12	20.01	19.78	19.81	21	
			12	0	19.07	18.96	18.90	20	
			12	6	19.09	18.87	18.99	20	
16QAM		12	13	18.99	18.80	18.89	20		
		1	0	20.05	19.93	20.05	21		
		1	12	20.24	19.90	19.83	21		
		1	24	20.01	19.78	19.81	21		
		12	0	19.07	18.96	18.90	20		
		12	6	19.09	18.87	18.99	20		
64QAM		12	13	18.99	18.80	18.89	20		
		1	0	18.63	18.50	18.56	20		
		1	12	18.77	18.55	18.49	20		
		1	24	18.61	18.47	18.32	20		
		12	0	17.97	17.93	17.83	19		
		12	6	17.92	18.00	17.88	19		

LTE Band 42 FCC Part96 (Ant2)									
BW	MCS Index	RB Size	RB Offset	Channel			Max. Tune-up (dBm)		
				4390	4390	4390			
20M	QPSK	1	0	20.96	20.87	20.77	22		
		1	50	20.98	20.93	20.82	22		
		1	99	20.89	20.74	20.62	22		
		50	0	20.02	19.99	19.82	21		
		50	25	20.00	19.88	19.81	21		
		50	50	20.01	19.86	19.72	21		
	100	0	19.93	19.91	19.77	21			
	16QAM	1	0	20.03	20.05	19.90	21		
		1	50	19.88	19.85	19.86	21		
		1	99	20.00	19.86	19.74	21		
		50	0	18.94	18.96	18.79	20		
		50	25	18.95	18.94	18.88	20		
		50	50	19.05	18.91	18.76	20		
	64QAM	100	0	19.01	18.84	18.81	20		
		1	0	18.60	18.52	18.47	20		
		1	50	18.59	18.59	18.41	20		
		1	99	18.52	18.27	18.41	20		
		50	0	17.84	17.88	17.82	19		
		50	25	17.83	17.84	17.73	19		
	15M	QPSK	1	0	20.87	20.72	20.64	22	
			1	37	20.83	20.79	20.79	22	
			36	0	20.87	20.80	20.49	22	
			36	0	19.98	19.93	19.69	21	
			36	19	19.98	19.91	19.74	21	
36			39	19.95	19.78	19.65	21		
16QAM		75	0	19.84	19.82	19.69	21		
		1	0	19.86	19.85	19.84	21		
		1	37	19.97	19.89	19.91	21		
		1	74	19.98	19.85	19.69	21		
		36	0	18.81	18.84	18.69	20		
		36	19	18.84	18.90	18.79	20		
64QAM		36	39	18.90	18.84	18.62	20		
		36	19	18.95	18.93	18.70	20		
		1	0	18.50	18.43	18.41	20		
		1	37	18.52	18.49	18.39	20		
		1	74	18.40	18.26	18.39	20		
		36	0	17.82	17.80	17.72	19		
10M		QPSK	36	19	17.87	17.93	17.56	19	
			36	39	17.82	17.85	17.63	19	
			75	0	17.86	17.89	17.80	19	
			1	0	17.84	17.80	17.71	19	
			1	37	18.62	18.49	18.39	20	
			1	74	18.40	18.26	18.39	20	
	16QAM	36	0	17.82	17.80	17.72	19		
		36	19	17.87	17.93	17.56	19		
		36	39	17.82	17.85	17.63	19		
		75	0	17.84	17.80	17.71	19		
		1	0	18.40	18.30	18.24	20		
		1	37	18.59	18.55	18.36	20		
	64QAM	36	0	17.86	17.80	17.72	19		
		36	19	17.95	17.46	17.54	19		
		36	39	17.83	17.49	17.61	19		
		75	0	17.83	17.50	17.41	19		
		1	0	18.46	18.26	18.16	19		
		1	24	18.59	18.18	18.22	20		
	5M	QPSK	1	0	20.89	20.78	20.64	22	
			1	12	20.86	20.91	20.76	22	
			1	24	20.75	20.67	20.58	22	
			12	0	19.93	19.97	19.71	21	
			12	6	19.96	19.95	19.68	21	
			12	13	20.00	19.78	19.70	21	
16QAM		25	0	19.89	19.82	19.74	21		
		1	0	20.01	20.04	19.77	21		
		1	12	20.04	19.92	19.87	21		
		1	24	19.95	19.75	19.72	21		
		12	0	18.84	18.84	18.73	20		
		12	6	18.84	18.84	18.87	20		
64QAM		12	13	18.92	18.80	18.73	20		
		25	0	18.99	18.88	18.73	20		
		1	0	18.57	18.46	18.32	20		
		1	12	18.57	18.54	18.33	20		
		1	24	18.39	18.20	18.35	20		
		12	0	17.81	17.90	17.60	19		

LTE Band 48 for SAR (Ant2)									
BW	MCS Index	RB Size	RB Offset	Channel				Max. Tune-up (dBm)	
				5540	5540	5610	5640		
20M	QPSK	1	0	20.91	20.83	20.56	20.35	22	
		1	50	20.95	20.66	20.58	20.42	22	
		1	99	20.89	20.53	20.50	20.23	22	
		50	0	19.84	19.62	19.63	19.43	21	
		50	25	19.98	19.71	19.70	19.53	21	
		50	50	19.91	19.68	19.64	19.40	21	
	100	0	19.95	19.81	19.84	19.33	21		
	16QAM	1	0	20.03	19.89	19.49	19.37	21	
		1	50	20.00	19.75	19.73	19.36	21	
		1	99	19.91	19.68	19.60	19.27	21	
		50	0	18.96	18.83	18.80	18.53	20	
		50	25	18.95	18.86	18.87	18.48	20	
		50	50	18.99	18.71	18.80	18.37	20	
	64QAM	100	0	18.90	18.84	18.80	18.43	20	
		1	0	18.58	18.32	18.17	18.49	20	
		1	50	18.99	18.31	18.31	18.37	20	
		1	99	18.53	18.25	18.13	18.20	20	
		50	0	17.99	17.87	17.57	17.47	19	
		50	25	18.02	17.81	17.55	17.40	19	
	15M	QPSK	50	50	17.88	17.54	17.65	17.29	19
			100	0	17.98	17.55	17.56	17.29	19
			1	0	20.77	20.53	20.50	20.23	22
			1	37	20.83	20.54	20.54	20.30	22
			74	0	20.98	20.41	20.39	20.22	22
36			0	19.93	19.52	19.50	19.35	21	
16QAM		36	19	19.99	19.69	19.55	19.47	21	
		36	39	19.89	19.63	19.50	19.31	21	
		75	0	19.89	19.54				

LTE_Ant3 DS14 Power

		LTE Band 2 (Ant3)						
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				19705	19800	19950		
		Channel	Frequency (MHz)	1980	1990	1990		
20M	QPSK	150M	1	0	16.76	16.76	16.80	18
			1	50	17.04	16.94	16.85	18
			1	99	16.87	16.83	16.78	18
			50	0	16.67	16.77	16.65	18
			50	25	16.78	16.82	16.74	18
			50	50	16.60	16.66	16.64	18
	100	0	16.66	16.45	16.54	18		
	16QAM	1	0	16.77	16.87	16.81	18	
		1	50	16.84	16.73	17.01	18	
		1	99	16.95	16.93	16.86	18	
		50	0	16.46	16.74	16.81	18	
		50	25	16.56	16.76	16.68	18	
50		50	16.64	16.86	16.81	18		
64QAM	1	0	16.68	16.71	16.65	18		
	1	0	16.65	16.78	16.81	18		
	1	50	16.87	16.92	16.80	18		
	1	99	16.71	16.72	16.74	18		
	50	0	16.64	17.01	16.93	18		
	50	25	16.76	16.92	16.87	18		
20M	QPSK	150M	1	0	16.76	16.86	16.79	18
			1	0	16.75	16.88	16.79	18
			1	37	16.91	16.79	16.74	18
			1	74	16.82	16.76	16.70	18
			36	39	16.52	16.73	16.60	18
			36	39	16.65	16.73	16.62	18
	75	0	16.53	16.44	16.49	18		
	16QAM	1	0	16.62	16.85	16.84	18	
		1	37	16.72	16.70	16.80	18	
		1	74	16.93	16.78	16.85	18	
		36	39	16.39	16.59	16.58	18	
		36	39	16.48	16.82	16.65	18	
36		39	16.63	16.79	16.46	18		
64QAM	1	0	16.62	16.80	16.72	18		
	1	0	16.52	16.84	16.55	18		
	1	37	16.76	16.79	16.70	18		
	1	74	16.70	16.81	16.65	18		
	36	0	16.58	16.98	16.82	18		
	36	39	16.69	16.80	16.83	18		
20M	QPSK	150M	1	0	16.68	16.86	16.77	18
			1	0	16.67	16.81	16.75	18
			1	37	16.91	16.88	16.74	18
			1	74	16.83	16.71	16.72	18
			25	0	16.65	16.62	16.61	18
			25	12	16.75	16.73	16.63	18
	25	25	16.56	16.83	16.42	18		
	16QAM	1	0	16.66	16.81	16.77	18	
		1	24	16.78	16.70	16.84	18	
		1	49	16.92	16.89	16.77	18	
		25	0	16.37	16.71	16.56	18	
		25	12	16.51	16.74	16.64	18	
25		25	16.62	16.83	16.53	18		
64QAM	1	0	16.57	16.65	16.59	18		
	1	0	16.55	16.84	16.49	18		
	1	24	16.72	16.80	16.69	18		
	1	49	16.81	16.87	16.80	18		
	25	0	16.63	16.90	16.82	18		
	25	12	16.73	16.79	16.79	18		
20M	QPSK	150M	1	0	16.75	16.82	16.65	18
			1	0	16.75	16.82	16.65	18
			1	12	17.00	16.83	16.81	18
			1	24	16.85	16.79	16.66	18
			12	0	16.80	16.72	16.53	18
			12	6	16.73	16.71	16.62	18
	25	0	16.53	16.54	16.50	18		
	16QAM	1	0	16.71	16.80	16.89	18	
		1	12	16.89	16.80	16.87	18	
		1	24	16.87	16.89	16.83	18	
		12	0	16.37	16.73	16.52	18	
		12	6	16.50	16.72	16.64	18	
12		13	16.58	16.80	16.49	18		
64QAM	1	0	16.54	16.58	16.64	18		
	1	0	16.53	16.66	16.60	18		
	1	12	16.74	16.84	16.69	18		
	1	24	16.81	16.70	16.68	18		
	12	0	16.53	16.89	16.50	18		
	12	6	16.67	16.77	16.82	18		
20M	QPSK	150M	1	0	16.85	16.77	16.67	18
			1	0	16.85	16.77	16.67	18
			1	12	17.00	16.83	16.81	18
			1	24	16.85	16.79	16.66	18
			12	0	16.80	16.72	16.53	18
			12	6	16.73	16.71	16.62	18
	25	0	16.58	16.39	16.39	18		
	16QAM	1	0	16.71	16.80	16.89	18	
		1	12	16.89	16.80	16.87	18	
		1	24	16.87	16.89	16.83	18	
		12	0	16.37	16.73	16.52	18	
		12	6	16.50	16.72	16.64	18	
12		13	16.58	16.80	16.49	18		
64QAM	1	0	16.54	16.58	16.64	18		
	1	0	16.53	16.66	16.60	18		
	1	12	16.74	16.84	16.69	18		
	1	24	16.81	16.70	16.68	18		
	12	0	16.53	16.89	16.50	18		
	12	6	16.67	16.77	16.82	18		
20M	QPSK	150M	1	0	16.85	16.77	16.67	18
			1	0	16.85	16.77	16.67	18
			1	12	17.00	16.83	16.81	18
			1	24	16.85	16.79	16.66	18
			12	0	16.80	16.72	16.53	18
			12	6	16.73	16.71	16.62	18
	25	0	16.58	16.39	16.39	18		
	16QAM	1	0	16.71	16.80	16.89	18	
		1	12	16.89	16.80	16.87	18	
		1	24	16.87	16.89	16.83	18	
		12	0	16.37	16.73	16.52	18	
		12	6	16.50	16.72	16.64	18	
12		13	16.58	16.80	16.49	18		
64QAM	1	0	16.54	16.58	16.64	18		
	1	0	16.53	16.66	16.60	18		
	1	12	16.74	16.84	16.69	18		
	1	24	16.81	16.70	16.68	18		
	12	0	16.53	16.89	16.50	18		
	12	6	16.67	16.77	16.82	18		
20M	QPSK	150M	1	0	16.85	16.77	16.67	18
			1	0	16.85	16.77	16.67	18
			1	12	17.00	16.83	16.81	18
			1	24	16.85	16.79	16.66	18
			12	0	16.80	16.72	16.53	18
			12	6	16.73	16.71	16.62	18
	25	0	16.58	16.39	16.39	18		
	16QAM	1	0	16.71	16.80	16.89	18	
		1	12	16.89	16.80	16.87	18	
		1	24	16.87	16.89	16.83	18	
		12	0	16.37	16.73	16.52	18	
		12	6	16.50	16.72	16.64	18	
12		13	16.58	16.80	16.49	18		
64QAM	1	0	16.54	16.58	16.64	18		
	1	0	16.53	16.66	16.60	18		
	1	12	16.74	16.84	16.69	18		
	1	24	16.81	16.70	16.68	18		
	12	0	16.53	16.89	16.50	18		
	12	6	16.67	16.77	16.82	18		
20M	QPSK	150M	1	0	16.85	16.77	16.67	18
			1	0	16.85	16.77	16.67	18
			1	12	17.00	16.83	16.81	18
			1	24	16.85	16.79	16.66	18
			12	0	16.80	16.72	16.53	18
			12	6	16.73	16.71	16.62	18
	25	0	16.58	16.39	16.39	18		
	16QAM	1	0	16.71	16.80	16.89	18	
		1	12	16.89	16.80	16.87	18	
		1	24	16.87	16.89	16.83	18	
		12	0	16.37	16.73	16.52	18	
		12	6	16.50	16.72	16.64	18	
12		13	16.58	16.80	16.49	18		
64QAM	1	0	16.54	16.58	16.64	18		
	1	0	16.53	16.66	16.60	18		
	1	12	16.74	16.84	16.69	18		
	1	24	16.81	16.70	16.68	18		
	12	0	16.53	16.89	16.50	18		
	12	6	16.67	16.77	16.82	18		
20M	QPSK	150M	1	0	16.85	16.77	16.67	18
			1	0	16.85	16.77	16.67	18
			1	12	17.00	16.83	16.81	18
			1	24	16.85	16.79	16.66	18
			12	0	16.80	16.72	16.53	18
			12	6	16.73	16.71	16.62	18
	25	0	16.58	16.39	16.39	18		
	16QAM	1	0	16.71	16.80	16.89	18	
		1	12	16.89	16.80	16.87	18	
		1	24	16.87	16.89	16.83	18	
		12	0	16.37	16.73	16.52	18	
		12	6	16.50	16.72	16.64	18	
12		13	16.58	16.80	16.49	18		
64QAM	1	0	16.54	16.58	16.64	18		
	1	0	16.53	16.66	16.60	18		
	1	12	16.74	16.84	16.69	18		
	1	24	16.81	16.70	16.68	18		
	12	0	16.53	16.89	16.50	18		
	12	6	16.67	16.77	16.82	18		
20M	QPSK	150M	1	0	16.85	16.77	16.67	18
			1	0	16.85	16.77	16.67	18
			1	12	17.00	16.83	16.81	18
			1	24	16.85	16.79	16.66	18
			12	0	16.80	16.72	16.53	18
			12	6	16.73	16.71	16.62	18
	25	0	16.58	16.39	16.39	18		
	16QAM	1	0	16.71	16.80	16.89	18	
		1	12	16.89	16.80	16.87	18	
		1	24	16.87	16.89	16.83	18	
		12	0	16.37	16.73	16.52	18	

LTE Band 66 (Ant3)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)
		Channel Frequency (MHz)	1720	1746	1772	1798	
20M	QPSK	1	0	19.57	19.37	19.47	21
		1	50	19.61	19.72	19.65	21
		1	99	19.48	19.70	19.53	21
		50	0	19.50	19.39	19.51	21
		50	25	19.44	19.62	19.53	21
		50	50	19.26	19.29	19.36	21
	16QAM	100	0	19.46	19.58	19.24	21
		1	0	19.46	19.42	19.32	21
		1	50	19.36	19.39	19.21	21
		1	99	19.65	19.53	19.62	21
		50	0	19.40	19.29	19.18	21
		50	25	19.35	19.26	19.45	21
64QAM	50	50	19.26	19.40	19.40	21	
	100	0	19.43	19.25	19.34	21	
	1	0	19.31	19.36	19.37	21	
	1	50	19.34	19.53	19.24	21	
	1	99	19.45	19.37	19.25	21	
	50	0	19.44	19.36	19.48	21	
15M	QPSK	1	0	19.42	19.27	19.28	21
		1	37	19.60	19.57	19.55	21
		1	74	19.47	19.62	19.52	21
		36	0	19.28	19.23	19.41	21
		36	19	19.31	19.47	19.39	21
		36	39	19.20	19.17	19.30	21
	16QAM	75	0	19.35	19.56	19.22	21
		1	0	19.42	19.27	19.28	21
		1	37	19.60	19.57	19.55	21
		1	74	19.51	19.49	19.54	21
		36	0	19.34	19.16	19.11	21
		36	19	19.22	19.11	19.43	21
64QAM	36	39	19.12	19.30	19.34	21	
	75	0	19.28	19.27	19.21	21	
	1	0	19.22	19.23	19.25	21	
	1	37	19.30	19.42	19.19	21	
	1	74	19.37	19.28	19.16	21	
	36	0	19.30	19.26	19.28	21	
10M	QPSK	1	0	19.43	19.24	19.40	21
		1	24	19.50	19.65	19.59	21
		1	49	19.39	19.65	19.51	21
		25	0	19.37	19.33	19.48	21
		25	12	19.36	19.36	19.36	21
		25	25	19.23	19.21	19.33	21
	16QAM	50	0	19.32	19.57	19.15	21
		1	0	19.31	19.35	19.23	21
		1	24	19.27	19.30	19.09	21
		1	49	19.51	19.59	19.21	21
		25	0	19.32	19.27	19.06	21
		25	12	19.28	19.23	19.38	21
64QAM	25	25	19.22	19.27	19.29	21	
	50	0	19.31	19.36	19.34	21	
	1	0	19.26	19.21	19.35	21	
	1	24	19.25	19.43	19.21	21	
	1	49	19.40	19.31	19.17	21	
	25	0	19.32	19.33	19.35	21	
5M	QPSK	1	0	19.43	19.24	19.40	21
		1	12	19.57	19.66	19.63	21
		1	24	19.34	19.66	19.45	21
		12	0	19.36	19.58	19.50	21
		12	13	19.31	19.51	19.21	21
		25	0	19.45	19.45	19.14	21
	16QAM	1	0	19.33	19.40	19.30	21
		1	12	19.25	19.32	19.17	21
		1	24	19.35	19.16	19.06	21
		12	0	19.33	19.26	19.13	21
		12	6	19.21	19.21	19.30	21
		12	13	19.19	19.33	19.23	21
64QAM	25	0	19.28	19.26	19.23	21	
	1	0	19.31	19.29	19.36	21	
	1	12	19.20	19.50	19.22	21	
	1	24	19.39	19.23	19.21	21	
	12	0	19.29	19.30	19.43	21	
	12	6	19.33	19.48	19.35	21	
1.4M	QPSK	1	0	19.43	19.43	19.43	21
		1	14	19.40	19.59	19.39	21
		8	0	19.33	19.22	19.43	21
		8	3	19.32	19.49	19.49	21
		8	7	19.24	19.28	19.29	21
		15	0	19.35	19.48	19.14	21
	16QAM	1	0	19.37	19.37	19.17	21
		1	7	19.34	19.24	19.08	21
		1	14	19.38	19.45	19.48	21
		8	0	19.39	19.26	19.09	21
		8	3	19.22	19.25	19.31	21
		8	7	19.24	19.30	19.27	21
64QAM	15	0	19.30	19.15	19.20	21	
	1	0	19.17	19.27	19.29	21	
	1	7	19.22	19.26	19.17	21	
	1	14	19.35	19.36	19.13	21	
	8	0	19.29	19.32	19.41	21	
	8	3	19.37	19.45	19.30	21	
1.4M	QPSK	1	0	19.46	19.35	19.23	21
		1	2	19.54	19.66	19.50	21
		1	5	19.38	19.65	19.39	21
		3	0	19.30	19.32	19.38	21
		3	1	19.37	19.53	19.45	21
		3	3	19.12	19.14	19.25	21
	16QAM	6	0	19.36	19.53	19.14	21
		1	0	19.37	19.29	19.28	21
		1	2	19.21	19.26	19.18	21
		1	5	19.62	19.41	19.55	21
		3	0	19.34	19.16	19.06	21
		3	1	19.30	19.25	19.31	21
64QAM	3	3	19.23	19.39	19.30	21	
	6	0	19.35	19.21	19.24	21	
	1	0	19.24	19.31	19.35	21	
	1	2	19.27	19.49	19.23	21	
	1	5	19.37	19.28	19.23	21	
	3	0	19.32	19.27	19.46	21	

LTE Band 38 (Ant3)							
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (dBm)
		Channel Frequency (MHz)	2776	2800	2824	2848	
20M	QPSK	1	0	18.47	18.52	18.45	20
		1	50	18.61	18.62	18.57	20
		1	99	18.57	18.56	18.41	20
		50	0	18.50	18.51	18.45	20
		50	25	18.45	18.42	18.30	20
		50	50	18.40	18.35	18.32	20
	16QAM	100	0	18.35	18.43	18.38	20
		1	0	18.49	18.52	18.41	20
		1	50	18.50	18.41	18.45	20
		1	99	18.36	18.14	18.30	20
		50	0	18.51	18.40	18.35	20
		50	25	18.47	18.42	18.49	20
64QAM	50	50	18.43	18.30	18.31	20	
	100	0	18.38	18.42	18.45	20	
	1	0	18.60	18.38	18.34	20	
	1	50	18.47	18.36	18.43	20	
	1	99	18.18	18.35	18.25	20	
	50	0	18.48	18.24	18.35	20	
15M	QPSK	1	0	18.42	18.22	18.42	20
		1	37	18.58	18.49	18.41	20
		1	74	18.51	18.47	18.27	20
		36	0	18.40	18.50	18.27	20
		36	19	18.36	18.36	18.20	20
		36	39	18.30	18.22	18.25	20
	16QAM	75	0	18.31	18.41	18.34	20
		1	0	18.45	18.47	18.33	20
		1	37	18.62	18.29	18.24	20
		1	74	18.32	18.10	18.26	20
		36	0	18.45	18.39	18.23	20
		36	19	18.35	18.32	18.20	20
64QAM	36	39	18.39	18.15	18.30	20	
	75	0	18.35	18.36	18.36	20	
	1	0	18.50	18.25	18.30	20	
	1	37	18.46	18.21	18.36	20	
	1	74	18.01	18.25	18.20	20	
	36	0	18.40	18.29	18.24	20	
10M	QPSK	1	0	18.38	18.34	18.24	20
		1	24	18.59	18.48	18.52	20
		1	49	18.48	18.49	18.33	20
		25	0	18.46	18.45	18.28	20
		25	12	18.35	18.28	18.20	20
		25	25	18.34	18.24	18.29	20
	16QAM	50	0	18.26	18.39	18.23	20
		1	0	18.40	18.45	18.27	20
		1	24	18.42	18.34	18.38	20
		1	49	18.28	18.01	18.15	20
		25	0	18.41	18.34	18.29	20
		25	12	18.42	18.41	18.43	20
64QAM	25	25	18.42	18.18	18.20	20	
	50	0	18.26	18.36	18.36	20	
	1	0	18.46	18.35	18.23	20	
	1	24	18.42	18.23	18.30	20	
	1	49	18.06	18.28	18.16	20	
	25	0	18.35	18.22	18.27	20	
5M	QPSK	1	0	18.43	18.42	18.30	20
		1	12	19.06	19.55	18.43	20
		1	24	18.48	18.44	18.26	20
		12	0	18.35	18.52	18.30	20
		12	6	18.34	18.33	18.21	20
		12	13	18.31	18.30	18.23	20
	16QAM	25	0	18.31	18.30	18.23	20
		1	0	18.36	18.37	18.35	20
		1	12	18.44	18.28	18.37	20
		1	24	18.21	18.08	18.26	20
		12	0	18.30	18.34	18.35	20
		12	6	18.42	18.34	18.38	20
64QAM	12	13	18.40	18.19	18.18	20	
	25	0	18.32	18.41	18.38	20	
	1	0	18.48	18.07	18.30	20	
	1	12	18.44	18.30	18.29	20	
	1	24	18.14	18.29	18.24	20	
	12	0	18.37	18.28	18.20	20	

LTE Band 41 (Ant3)						
BW	Modulation	RB Size	RB Offset	Low	Mid	High

LTE_Ant4 DSH4 Power

		LTE Band 2 (Ant4)						
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Ture-up (dBm)	
		Channel	Channel	1870	1880	1910		
20M	QPSK	1	0	17.17	17.22	17.21	18.5	
		1	50	17.21	17.26	17.25	18.5	
		1	99	17.19	17.21	17.15	18.5	
		50	0	17.14	17.18	17.17	18.5	
		50	25	17.02	17.14	17.09	18.5	
		50	50	16.94	17.15	17.11	18.5	
	16QAM	100	0	17.01	17.00	17.05	18.5	
		1	0	16.90	17.27	17.16	18.5	
		1	50	17.26	17.06	17.20	18.5	
		1	99	16.90	17.03	17.21	18.5	
		50	0	16.80	17.18	17.03	18.5	
		50	25	16.92	17.02	16.90	18.5	
20M	QPSK	1	0	16.88	17.02	16.92	18.5	
		1	50	17.17	17.07	17.13	18.5	
		1	99	17.02	17.16	16.93	18.5	
		50	0	16.88	17.22	17.06	18.5	
		50	25	17.04	17.05	17.02	18.5	
		50	50	17.20	17.10	17.06	18.5	
	16QAM	100	0	17.10	17.14	17.00	18.5	
		1	0	16.88	17.06	17.03	18.5	
		1	50	17.17	17.07	17.13	18.5	
		1	99	17.02	17.16	16.93	18.5	
		50	0	16.88	17.22	17.06	18.5	
		50	25	17.04	17.05	17.02	18.5	
20M	QPSK	1	0	16.88	17.06	17.03	18.5	
		1	50	17.17	17.07	17.13	18.5	
		1	99	17.02	17.16	16.93	18.5	
		50	0	16.88	17.22	17.06	18.5	
		50	25	17.04	17.05	17.02	18.5	
		50	50	17.20	17.10	17.06	18.5	
	16QAM	100	0	17.10	17.14	17.00	18.5	
		1	0	16.88	17.06	17.03	18.5	
		1	50	17.17	17.07	17.13	18.5	
		1	99	17.02	17.16	16.93	18.5	
		50	0	16.88	17.22	17.06	18.5	
		50	25	17.04	17.05	17.02	18.5	
15M	QPSK	1	0	17.07	17.14	17.05	18.5	
		1	37	17.11	17.24	17.16	18.5	
		1	74	17.07	17.19	17.01	18.5	
		36	0	17.11	17.14	17.06	18.5	
		36	19	16.87	17.10	17.01	18.5	
		36	39	16.88	17.13	17.09	18.5	
	16QAM	75	0	17.00	17.05	16.90	18.5	
		1	0	16.92	17.25	17.11	18.5	
		1	37	17.21	17.00	17.10	18.5	
		1	74	16.81	16.89	17.14	18.5	
		36	0	16.88	17.10	16.92	18.5	
		36	19	16.79	16.87	16.96	18.5	
15M	QPSK	36	39	16.87	16.87	16.74	18.5	
		75	0	16.79	16.80	16.87	18.5	
		1	0	16.77	16.92	16.97	18.5	
		1	37	17.03	17.04	17.10	18.5	
		1	74	16.89	17.15	16.80	18.5	
		36	0	16.88	17.11	16.96	18.5	
	16QAM	36	39	16.91	16.85	16.94	18.5	
		75	0	16.79	16.80	16.87	18.5	
		1	0	16.77	16.92	16.97	18.5	
		1	37	17.03	17.04	17.10	18.5	
		1	74	16.89	17.15	16.80	18.5	
		36	0	16.88	17.11	16.96	18.5	
10M	QPSK	1	0	17.07	17.07	17.07	18.5	
		1	24	17.07	17.19	17.24	18.5	
		1	49	17.13	17.12	17.00	18.5	
		25	0	17.04	17.21	17.02	18.5	
		25	12	16.92	16.99	17.07	18.5	
		25	25	16.88	17.02	17.03	18.5	
	16QAM	50	0	16.89	17.07	16.95	18.5	
		1	0	16.86	17.12	17.11	18.5	
		1	24	17.23	16.92	17.10	18.5	
		1	49	16.80	17.02	17.18	18.5	
		25	0	16.72	17.10	16.94	18.5	
		25	12	16.77	16.88	16.97	18.5	
10M	QPSK	25	25	16.76	17.04	16.87	18.5	
		50	0	16.81	16.88	16.95	18.5	
		1	0	16.79	17.00	16.96	18.5	
		1	24	17.08	16.94	17.06	18.5	
		1	49	16.89	17.10	16.99	18.5	
		25	0	16.76	17.16	17.05	18.5	
	16QAM	25	12	17.00	16.84	16.91	18.5	
		25	25	17.13	17.01	16.95	18.5	
		50	0	17.04	17.08	16.87	18.5	
		1	0	16.82	16.92	16.99	18.5	
		1	12	17.08	16.92	17.09	18.5	
		1	24	17.05	17.02	16.80	18.5	
10M	QPSK	1	0	17.14	17.16	17.17	18.5	
		1	12	17.11	17.26	17.18	18.5	
		1	24	17.05	17.15	17.02	18.5	
		12	0	17.11	17.24	17.09	18.5	
		12	6	16.88	17.07	17.05	18.5	
		12	13	16.88	17.02	17.04	18.5	
	16QAM	25	0	16.93	17.02	16.97	18.5	
		1	0	16.93	17.25	17.08	18.5	
		1	12	17.14	16.97	17.07	18.5	
		1	24	16.80	16.96	17.06	18.5	
		12	0	16.95	17.17	17.02	18.5	
		12	6	16.97	17.07	16.94	18.5	
10M	QPSK	12	13	16.87	16.89	16.87	18.5	
		25	0	16.90	17.05	16.71	18.5	
		25	0	16.83	16.97	16.90	18.5	
		1	0	16.74	17.02	16.99	18.5	
		1	12	17.08	16.92	17.09	18.5	
		1	24	17.05	17.02	16.80	18.5	
	16QAM	12	0	16.79	17.14	17.01	18.5	
		12	6	17.00	16.92	16.96	18.5	
		12	13	17.05	16.98	16.98	18.5	
		25	0	17.05	17.04	16.94	18.5	
		1	0	16.95	17.10	16.92	18.5	
		1	12	17.08	16.92	17.09	18.5	
10M	QPSK	1	0	17.10	17.12	17.06	18.5	
		1	7	17.06	17.27	17.22	18.5	
		1	14	17.16	17.11	17.10	18.5	
		8	0	17.05	17.21	17.07	18.5	
		8	3	16.93	17.09	16.94	18.5	
		8	7	16.85	17.14	17.05	18.5	
	16QAM	15	0	16.92	17.02	16.98	18.5	
		1	0	16.93	17.14	17.08	18.5	
		1	7	17.25	17.03	17.09	18.5	
		1	14	16.86	16.96	17.14	18.5	
		8	0	16.97	17.07	16.94	18.5	
		8	3	16.82	17.00	16.87	18.5	
10M	QPSK	8	7	16.85	17.03	16.81	18.5	
		15	0	16.84	17.02	16.89	18.5	
		1	0	16.79	17.05	16.96	18.5	
		1	7	17.16	17.02	17.12	18.5	
		1	14	16.97	17.10	16.80	18.5	
		8	0	16.76	17.09	17.03	18.5	
	16QAM	8	3	16.95	16.99	16.87	18.5	
		8	7	17.16	16.96	17.00	18.5	
		15	0	16.95	17.10	16.92	18.5	
		1	0	16.92	17.14	17.15	18.5	
		1	7	17.12	17.16	17.13	18.5	
		1	14	17.02	17.21	17.12	18.5	
10M	QPSK	3	1	16.85	17.13	17.06	18.5	
		3	3	16.82	17.06	17.03	18.5	
		6	0	16.89	17.05	17.01	18.5	
		1	0	16.92	17.14	17.01	18.5	
		1	2	17.15	16.96	17.14	18.5	
		1	5	16.88	16.98	17.18	18.5	
	16QAM	3	3	16.80	17.07	16.92	18.5	
		3	1	16.81	16.93	16.75	18.5	
		3	3	16.89	17.00	16.74	18.5	
		6	0	16.91	16.97	16.83	18.5	
		1	0	16.85	16.94	16.92	18.5	
		1	2	17.13	17.05	17.02	18.5	
1.4M	QPSK	1	5	17.01	17.01	16.92	18.5	
		3	0	17.02	17.14	16.93	18.5	
		3	1	16.99	17.13	17.06	18.5	
		3	3	16.82	17.03	17.03	18.5	
		6	0	16.89	17.05	17.01	18.5	
		1	0	16.92	17.14	17.01	18.5	
	16QAM	1	2	17.15	16.96	17.14	18.5	
		1	5	16.88	16.98	17.18	18.5	
		3	0	16.80	17.07	16.92	18.5	
		3	1	16.81	16.93	16.75	18.5	
		3	3	16.89	17.00	16.74	18.5	
		6	0	16.91	16.97	16.83	18.5	
1.4M	QPSK	1	0	16.85	16.94	16.92	18.5	
		1	2	17.13	17.05	17.02	18.5	
		1	5	17.01	17.01	16.92	18.5	
		3	0	16.82	17.14	16.93	18.5	
		3	1	16.99	16.97	16.95	18.5	
		3	3	17.10	17.04	16.92	18.5	
	16QAM	6	0	17.08	17.09	16.98	18.5	
		1	0	16.85	16.94	16.92	18.5	
		1	2	17.13	17.05	17.02	18.5	
		1	5	17.01	17.01	16.92	18.5	
		3	0	16.82	17.14	16.93	18.5	
		3	1	16.99	16.97	16.95	18.5	

		LTE Band 4 (Ant4)						
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Ture-up (dBm)	
		Channel	Channel	2090 <th>2075 <th>2090 <th></th> </th></th>	2075 <th>2090 <th></th> </th>	2090 <th></th>		
20M	QPSK	1	0	20.07	20.10	20.19	21.5	
		1	50	20.01	20.02	20.02	21.5	
		1	99	20.26	20.21	20.05	21.5	
		50	0	19.96	20.10	20.14	21.5	
		50	25	20.22	20.27	20.23	21.5	
		50	50	20.05	20.08	20.02	21.5	
	16QAM	100	0	20.16	20.11	20.06	21.5	

LTE Band 7 (Ant4)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	20825	21100		21375
20M	QPSK	16QAM	0	17.85	17.71	17.81	19	
			1	17.99	17.90	17.87	19	
			1	17.72	17.72	17.76	19	
			50	17.73	17.59	17.67	19	
			50	17.80	17.75	17.69	19	
			50	17.76	17.72	17.59	19	
			100	17.77	17.73	17.65	19	
			1	17.83	17.80	17.84	19	
			1	17.86	17.83	17.90	19	
			1	17.82	17.78	17.82	19	
			50	17.75	17.74	17.58	19	
			50	17.75	17.80	17.71	19	
	50	17.82	17.73	17.80	19			
	100	17.81	17.75	17.60	19			
	64QAM	1	17.92	17.78	17.76	19		
		1	17.77	17.96	17.86	19		
		1	17.82	17.77	17.82	19		
		50	17.81	17.82	17.66	19		
		50	17.80	17.76	17.64	19		
		50	17.82	17.73	17.80	19		
		100	17.84	17.77	17.73	19		
		QPSK	16QAM	0	17.70	17.63	17.75	19
				1	17.84	17.76	17.81	19
				1	17.57	17.71	17.71	19
36				17.68	17.55	17.60	19	
36				17.76	17.64	17.65	19	
36	17.65			17.67	17.45	19		
75	17.67			17.58	17.50	19		
1	17.72			17.71	17.78	19		
1	17.71			17.57	17.65	19		
1	17.73			17.75	17.72	19		
36	17.67			17.64	17.54	19		
36	17.70			17.68	17.62	19		
36	17.66	17.69	17.48	19				
75	17.71	17.69	17.55	19				
64QAM	1	17.98	17.73	17.64	19			
	1	17.70	17.50	17.70	19			
	1	17.74	17.76	17.76	19			
	36	17.77	17.71	17.55	19			
	36	17.79	17.71	17.80	19			
	36	17.73	17.69	17.58	19			
	75	17.72	17.74	17.64	19			
	QPSK	16QAM	0	17.82	17.68	17.76	19	
			1	17.95	17.88	17.75	19	
			1	17.66	17.58	17.70	19	
			25	17.58	17.51	17.61	19	
			25	17.72	17.73	17.60	19	
25			17.65	17.64	17.58	19		
50			17.63	17.66	17.51	19		
1			17.81	17.79	17.76	19		
1			17.74	17.49	17.78	19		
1			17.77	17.63	17.78	19		
25			17.68	17.73	17.56	19		
25			17.73	17.69	17.60	19		
25	17.76	17.59	17.58	19				
50	17.80	17.74	17.55	19				
64QAM	1	17.77	17.75	17.69	19			
	1	17.65	17.85	17.81	19			
	1	17.72	17.64	17.67	19			
	25	17.77	17.70	17.62	19			
	25	17.67	17.72	17.72	19			
	25	17.79	17.59	17.68	19			
	50	17.81	17.74	17.67	19			
	QPSK	16QAM	0	17.71	17.64	17.68	19	
			1	17.89	17.76	17.61	19	
			1	17.64	17.64	17.61	19	
			12	17.61	17.56	17.55	19	
			12	17.65	17.73	17.57	19	
12			17.70	17.65	17.54	19		
25			17.71	17.71	17.57	19		
1			17.72	17.67	17.72	19		
1			17.79	17.55	17.87	19		
1			17.72	17.69	17.69	19		
12			17.71	17.71	17.50	19		
12			17.65	17.65	17.63	19		
12	17.88	17.67	17.54	19				
25	17.76	17.73	17.55	19				
1	17.76	17.64	17.76	19				
64QAM	1	17.75	17.90	17.73	19			
	1	17.70	17.63	17.80	19			
	12	17.76	17.68	17.63	19			
	12	17.67	17.65	17.78	19			
	12	17.78	17.72	17.65	19			
	25	17.82	17.76	17.67	19			

LTE Band 12 (Ant4)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)		
				Channel	23000	23095		23150	
10M	QPSK	16QAM	0	24.28	24.14	24.09	25		
			1	24	24.12	24.10	24.06	25	
			1	24	24.00	23.99	24.07	25	
			25	0	23.26	23.11	23.08	24	
			25	12	23.17	23.10	23.05	24	
			25	25	23.15	23.05	23.00	24	
			50	0	23.23	23.10	23.04	24	
			1	0	23.50	23.48	23.30	24	
			1	24	23.43	23.29	23.28	24	
			1	49	23.32	23.21	23.21	24	
			25	0	22.31	22.09	21.98	23	
			25	12	22.14	22.11	22.02	23	
	25	25	22.20	22.08	22.02	23			
	50	0	22.23	22.11	21.99	23			
	64QAM	1	0	22.39	22.30	22.16	23		
		1	24	22.30	22.27	22.21	23		
		1	49	22.18	22.16	22.15	23		
		25	0	21.21	21.09	21.00	22		
		25	12	21.16	21.11	21.05	22		
		25	25	21.15	21.08	21.01	22		
		50	0	21.20	21.10	21.02	22		
		QPSK	16QAM	0	24.25	24.13	24.00	25	
				1	12	24.01	24.00	23.92	25
				1	24	23.96	23.92	24.04	25
12				0	23.13	23.04	23.02	24	
12				6	23.05	23.09	22.97	24	
12	13			23.07	22.99	22.90	24		
25	0			23.10	23.07	23.00	24		
1	0			23.37	23.40	23.28	24		
1	12			23.41	23.15	23.23	24		
1	24			23.27	23.20	23.27	24		
12	0			22.30	22.05	21.88	23		
12	6			22.13	22.04	21.93	23		
12	13	22.14	22.03	21.90	23				
25	0	22.11	22.05	21.95	23				
64QAM	1	0	22.32	22.25	22.03	23			
	1	12	22.26	22.15	22.06	23			
	1	24	22.09	22.11	22.14	23			
	12	0	21.08	21.02	20.93	22			
	12	6	21.14	21.03	21.04	22			
	12	13	21.09	21.02	20.90	22			
	25	0	21.06	21.09	21.02	22			
	QPSK	16QAM	0	24.17	24.09	24.06	25		
			1	7	23.97	23.96	23.93	25	
			1	14	23.87	23.96	24.01	25	
			8	0	23.14	23.06	23.06	24	
			8	3	23.16	23.04	23.01	24	
8			7	23.02	22.93	22.92	24		
15			0	23.11	23.06	23.01	24		
1			0	23.41	23.39	23.22	24		
1			7	23.37	23.17	23.15	24		
1			14	23.30	23.06	23.27	24		
8			0	22.30	21.95	21.84	23		
8			3	22.04	22.02	21.97	23		
8	7	22.13	21.97	21.94	23				
15	0	22.13	22.00	21.89	23				
64QAM	1	0	22.38	22.15	22.01	23			
	1	7	22.17	22.12	22.15	23			
	1	14	22.17	22.07	22.01	23			
	8	0	21.08	20.98	20.98	22			
	8	3	21.05	20.98	21.04	22			
	8	7	21.06	20.93	20.95	22			
	15	0	21.15	21.04	20.90	22			
	QPSK	16QAM	0	24.21	24.05	24.05	25		
			1	2	24.11	24.03	24.05	25	
			1	5	23.86	23.85	23.93	25	
			3	0	24.01	23.84	23.80	25	
			3	1	23.85	23.84	23.77	25	
3			3	23.88	23.75	23.67	25		
6			0	23.10	22.98	22.93	24		
1			0	23.35	23.46	23.19	24		
1			2	23.29	23.25	23.22	24		
1			5	23.28	23.07	23.20	24		
3			0	23.00	22.83	22.78	24		
3			1	22.84	22.82	22.74	24		
3	3	22.88	22.80	22.72	24				
6	0	22.18	22.03	21.90	23				
1	0	22.24	22.17	22.14	23				
64QAM	1	2	22.25	22.13	22.07	23			
	1	5	22.09	22.06	22.05	23			
	3	0	22.02	21.89	21.74	23			
	3	1	21.91	21.78	21.85	23			
	3	3	21.94	21.88	21.75	23			
	6	0	21.09	21.02	20.96	22			

LTE Band 13 (Ant4)								
BW	Modulation	RB Size	RB Offset	Mid	Mid	Max. Tune-up (dBm)		
				Channel	23205	23220	23255	
10M	QPSK	16QAM	0	762	762	25		
			1	24	23.01	25		
			1	24	24.01	25		
			1	49	24.13	25		
			25	0	22.94	24		
			25	12	23.02	24		
			25	25	22.93	24		
			50	0	22.97	24		
			1	0	23.16	24		
			1	24	23.20	24		
			1	49	23.26	24		
			25	0	21.94	23		
	25	12	22.04	23				
	25	25	22.07	23				
	50	0	22.06	23				
	50	0	21.96	23				
	64QAM	1	0	22.03	23			
		1	24	22.19	23			
		1	49	22.15	23			
		25	0	20.93	22			
		25	12	20.97	22			
		25	25	20.99	22			
		50	0	20.90	22			
		QPSK	16QAM	0	24.03	23.95	23.80	25
1				12	23.75	23.95	23.67	25
1				24	23.91	23.80	23.76	25
12				0	23.04	22.75	22.90	24
12				6	22.95	22.88	22.66	24
12	13			22.93	22.70	22.62	24	
25	0			23.08	22.86	22.68	24	
1	0			23.14	23.35	23.15		

LTE Band 17 (Ant4)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	Frequency (MHz)	23780	23790	23800		
10M	QPSK	1	0	24.06	24.07	24.12	25	
		1	24	24.02	24.04	23.98	25	
		1	49	23.99	23.98	24.02	25	
		25	0	23.00	23.01	22.94	24	
		25	12	23.06	23.03	23.09	24	
		25	25	23.02	22.98	22.94	24	
		50	0	22.98	23.02	23.05	24	
		1	0	23.31	23.34	23.29	24	
		1	24	23.29	23.30	23.19	24	
		1	49	23.21	23.27	23.32	24	
	16QAM	25	0	21.98	21.98	21.95	23	
		25	12	22.02	22.01	22.09	23	
		25	25	22.05	21.93	21.97	23	
		50	0	21.98	21.98	21.96	23	
		64QAM	1	0	22.23	22.20	22.18	23
			1	24	22.20	22.19	22.07	23
			1	49	22.13	22.20	22.22	23
			25	0	20.98	20.96	20.95	22
			25	12	21.08	21.05	21.01	22
			25	25	21.02	20.98	20.86	22
50	0		20.99	20.95	20.94	22		
5M	QPSK		1	0	24.02	23.95	24.07	25
			1	12	23.92	24.01	23.84	25
			1	24	23.84	23.95	23.98	25
		12	0	22.86	23.00	22.93	24	
		12	6	23.01	22.94	22.99	24	
		12	13	23.00	22.90	22.89	24	
		25	0	22.97	22.90	23.04	24	
		1	0	23.16	23.30	23.21	24	
		1	12	23.17	23.23	23.12	24	
		1	24	23.19	23.24	23.19	24	
16QAM	12	0	21.90	21.94	21.94	23		
	12	6	21.93	21.87	21.99	23		
	12	13	22.02	21.78	21.91	23		
	25	0	21.84	21.85	21.84	23		
	1	0	22.13	22.19	22.09	23		
	1	12	22.12	22.15	22.03	23		
	1	24	22.05	22.18	22.07	23		
	12	0	20.84	20.83	20.83	22		
	12	6	21.07	21.03	20.99	22		
	12	13	20.90	20.89	20.79	22		
25	0	20.89	20.81	20.80	22			

LTE Band 26 (Ant4)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	Frequency (MHz)	26765	26865	26965		
15M	QPSK	1	0	23.96	24.01	23.97	25	
		1	37	23.85	23.88	23.82	25	
		1	74	23.86	23.89	23.85	25	
		36	0	22.93	22.96	22.89	24	
		36	19	22.79	22.88	22.85	24	
		36	39	22.83	22.94	22.82	24	
		75	0	22.74	22.93	22.84	24	
		1	0	23.17	23.11	23.04	24	
		1	37	23.22	23.25	23.18	24	
		1	74	23.14	23.06	23.03	24	
	16QAM	36	0	21.95	21.95	21.96	23	
		36	19	21.87	21.86	21.81	23	
		36	39	21.87	21.94	21.86	23	
		75	0	21.79	21.82	21.81	23	
		64QAM	1	0	22.13	22.02	21.97	23
			1	37	22.12	22.01	22.06	23
			1	74	21.93	21.80	21.86	23
			36	0	20.88	20.88	21.00	22
			36	19	20.91	20.89	20.84	22
			36	39	20.90	21.01	20.86	22
75	0		20.76	20.94	21.01	22		
10M	QPSK		1	0	23.85	23.92	23.76	25
			1	24	23.82	23.82	23.70	25
			1	49	23.74	23.75	23.76	25
		25	0	22.81	22.86	22.86	24	
		25	12	22.70	22.77	22.84	24	
		25	25	22.73	22.89	22.76	24	
		50	0	22.65	22.92	22.86	24	
		1	0	23.09	22.96	22.98	24	
		1	24	23.19	23.23	23.15	24	
		1	49	22.99	23.00	22.97	24	
16QAM	25	0	21.92	21.94	21.94	23		
	25	12	21.74	21.80	21.74	23		
	25	25	21.76	21.81	21.81	23		
	50	0	21.73	21.81	21.78	23		
	64QAM	1	0	22.08	21.96	21.96	23	
		1	24	22.03	21.87	22.04	23	
		1	49	21.82	21.65	21.81	23	
		25	0	20.83	20.81	20.90	22	
		25	12	20.86	20.78	20.73	22	
		25	25	20.76	20.96	20.76	22	
50		0	20.62	20.90	20.65	22		
5M		QPSK	1	0	23.89	23.97	23.82	25
			1	12	23.75	23.81	23.69	25
			1	24	23.85	23.81	23.76	25
	12		0	22.85	22.86	22.77	24	
	12		6	22.69	22.74	22.76	24	
	12		13	22.76	22.82	22.70	24	
	25		0	22.60	22.88	22.76	24	
	1		0	23.12	23.05	22.97	24	
	1		12	23.15	23.12	23.03	24	
	1		24	23.07	23.04	22.90	24	
16QAM	12	0	21.81	21.90	21.85	23		
	12	6	21.77	21.81	21.69	23		
	12	13	21.83	21.92	21.82	23		
	25	0	21.65	21.67	21.82	23		
	1	0	22.06	21.95	21.96	23		
	1	12	22.10	21.90	21.92	23		
	1	24	21.85	21.70	21.75	23		
	12	0	20.82	20.78	20.89	22		
	12	6	20.85	20.87	20.77	22		
	12	13	20.86	20.95	20.75	22		
25	0	20.75	20.83	20.96	22			
64QAM	1	0	22.07	22.01	21.89	23		
	1	7	22.06	21.96	22.04	23		
	1	14	21.87	21.69	21.75	23		
	8	0	20.78	20.73	20.97	22		
	8	3	20.89	20.86	20.79	22		
	8	7	20.81	20.97	20.84	22		
	15	0	20.84	20.88	21.00	22		
	3M	QPSK	1	0	23.89	23.92	23.79	25
			1	2	23.72	23.84	23.73	25
			1	5	23.83	23.78	23.81	25
3			0	23.61	23.61	23.67	25	
3			1	23.55	23.55	23.53	25	
3			3	23.58	23.69	23.54	25	
6			0	22.80	22.92	22.87	24	
1			0	23.06	22.99	22.90	24	
1			2	23.21	23.18	23.05	24	
1			5	23.07	22.94	22.96	24	
16QAM	3	0	22.96	22.87	22.86	24		
	3	1	22.86	22.76	22.72	24		
	3	3	22.77	22.95	22.87	24		
	6	0	21.70	21.70	21.83	23		
	1	0	22.08	21.91	21.92	23		
	1	2	22.10	22.00	21.95	23		
	1	5	21.84	21.67	21.78	23		
	3	0	21.86	21.78	21.97	23		
	3	1	21.82	21.79	21.81	23		
	3	3	21.93	21.92	21.81	23		
6	0	20.61	20.83	20.99	22			

LTE Band 38 (Ant4)								
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel	Frequency (MHz)	37850	38050	38150		
20M	QPSK	1	0	20.16	20.26	20.07	21.5	
		1	50	19.97	20.07	19.99	21.5	
		1	99	20.04	20.04	20.01	21.5	
		50	0	20.06	20.21	20.04	21.5	
		50	25	19.94	19.79	19.82	21.5	
		50	50	19.92	19.79	19.76	21.5	
		100	0	19.90	19.99	19.85	21.5	
		1	0	20.01	19.99	20.00	21.5	
		1	50	20.00	19.93	19.92	21.5	
		1	99	19.83	19.69	19.74	21.5	
	16QAM	50	0	19.92	20.16	19.82	21.5	
		50	25	19.92	19.99	19.88	21.5	
		50	50	19.97	19.84	19.82	21.5	
		100	0	19.81	19.84	19.82	21.5	
		100	0	19.85	19.91	19.84	21.5	
		64QAM	1	0	20.04	19.97	19.89	21.5
			1	50	19.98	19.94	19.90	21.5
			1	99	19.81	19.77	19.88	21.5
			50	0	19.98	19.88	19.88	21.5
			50	25	19.97	19.84	19.82	21.5
50	50		19.81	19.84	19.82	21.5		
100	0		19.85	19.91	19.84	21.5		
15M	QPSK		1	0	20.15	20.06	19.93	21.5
			1	37	19.88	19.92	19.88	21.5
			1	74	19.96	19.83	19.86	21.5
		36	0	19.95	20.08	19.86	21.5	
		36	19	19.87	19.73	19.85	21.5	
		36	39	19.91	19.72	19.74	21.5	
		75	0	19.79	19.93	19.79	21.5	
		1	0	19.96	19.84	19.86	21.5	
		1	37	19.86	19.88	19.83	21.5	
		1	74	19.75	19.68	19.64	21.5	
16QAM	36	0	19.82	20.07	19.81	21.5		
	36	19	19.91	19.98	19.74	21.5		
	36	39	19.83	19.77	19.76	21.5		
	75	0	19.84	19.81	19.65	21.5		
	64QAM	1	0	20.03	19.82	19.74	21.5	
		1	37	19.94	19.90	19.87	21.5	
		1	74	19.72	19.70	19.73	21.5	
		36	0	19.84	19.77	19.79	21.5	
		36	19	19.90	19.83	19.89	21.5	
		36	39	19.70	19.76	19.69	21.5	
75		0	19.82	19.79	19.70	21.5		
10M		QPSK	1	0	20.01	20.14	19.92	21.5
			1	24	19.94	20.00	19.95	21.5
			1	49	19.98			

LTE Band 41 (Ant4)										
BW	Modulation	Channel		Low	Low Mid	Mid	High Mid	High	Max. Tune-up (dBm)	
		RB Size	RB Offset							
20M	QPSK	Channel		3976	4016	4062	4105	4149		
		Frequency (MHz)		2568	2568.5	2593	2636.5	2680		
		1	0	20.39	20.44	20.50	20.56	20.56	22	
		1	50	20.52	20.31	20.39	20.31	20.31	22	
		1	99	20.54	20.39	20.35	20.32	20.27	22	
		50	0	20.46	20.37	20.42	20.36	20.23	22	
		50	25	20.14	20.34	20.30	20.17	20.19	22	
		50	50	20.34	20.33	20.22	20.20	20.15	22	
		100	0	20.39	20.22	20.36	20.29	20.24	22	
		1	0	20.43	20.48	20.38	20.25	20.23	22	
	16QAM	1	50	20.52	20.35	20.32	20.38	20.22	22	
		1	99	20.30	20.28	20.20	20.12	20.24	22	
		50	0	20.37	20.33	20.31	20.32	20.20	22	
		50	25	20.47	20.31	20.35	20.18	20.16	22	
		50	50	20.46	20.26	20.28	20.21	20.14	22	
		100	0	20.29	20.34	20.38	20.34	20.17	22	
		64QAM	1	50	20.36	20.18	20.29	20.15	20.07	22
			1	99	20.17	20.06	20.02	20.28	20.17	22
			50	0	20.37	20.28	20.37	20.27	20.16	22
			50	25	20.40	20.22	20.28	20.14	20.15	22
	50		50	20.37	20.21	20.18	20.25	20.15	22	
	100		0	20.38	20.27	20.26	20.28	20.04	22	

LTE Band 41 (Ant4)									
BW	Modulation	Channel		Low	Low Mid	Mid	High Mid	High	Max. Tune-up (dBm)
		RB Size	RB Offset						
15M	QPSK	Channel		3976	4017	4062	4108	4156	
		Frequency (MHz)		2484.5	2484.5	2484.5	2484.5	2484.5	
		1	0	20.51	20.32	20.40	20.32	20.30	22
		1	37	20.37	20.35	20.33	20.23	20.18	22
		1	74	20.41	20.31	20.31	20.21	20.22	22
		36	0	20.44	20.30	20.27	20.34	20.21	22
		36	19	20.08	20.28	20.27	20.11	20.04	22
		36	39	20.24	20.23	20.16	20.19	20.13	22
		75	0	20.36	20.19	20.30	20.17	20.12	22
		1	0	20.38	20.40	20.34	20.17	20.14	22
	16QAM	1	37	20.26	20.29	20.29	20.30	20.21	22
		1	74	20.27	20.18	20.16	20.06	20.13	22
		36	0	20.32	20.27	20.19	20.27	20.07	22
		36	19	20.40	20.21	20.22	20.11	20.05	22
		36	39	20.40	20.18	20.19	20.13	20.24	22
		75	0	20.14	20.26	20.27	20.16	20.27	22
		1	0	20.18	20.17	20.21	20.13	20.19	22
		1	37	20.25	20.13	20.21	20.11	20.09	22
		1	74	20.06	20.12	20.19	20.20	20.12	22
		36	0	20.27	20.21	20.24	20.26	20.09	22
	64QAM	36	19	20.32	20.20	20.25	20.12	20.06	22
		36	39	20.31	20.06	20.06	20.19	20.11	22
		75	0	20.30	20.23	20.22	20.26	20.27	22

LTE Band 66 (Ant4)									
BW	Modulation	Channel		Low	Mid	High	Max. Tune-up (dBm)		
		RB Size	RB Offset						
20M	QPSK	Channel		13207	13232	13272			
		Frequency (MHz)		1726	1745	1770			
		1	0	20.29	20.15	20.15	21.5		
		1	50	20.29	20.29	20.29	21.5		
		1	99	20.24	20.15	20.21	21.5		
		50	0	19.81	20.10	20.08	21.5		
		50	25	20.17	20.14	20.12	21.5		
		50	50	19.99	19.94	19.92	21.5		
		100	0	20.13	20.00	19.98	21.5		
		1	0	20.05	20.05	20.05	21.5		
	16QAM	1	50	20.21	20.15	20.15	21.5		
		1	99	20.37	20.26	20.20	21.5		
		50	0	20.09	19.98	20.04	21.5		
		50	25	20.01	20.06	20.07	21.5		
		50	50	20.28	20.10	20.08	21.5		
		100	0	19.96	20.11	19.97	21.5		
		64QAM	1	50	19.68	19.68	19.68	21.5	
			1	99	20.17	20.02	19.93	21.5	
			50	0	20.05	19.94	20.25	21.5	
			50	25	20.08	20.07	20.18	21.5	
	50		50	20.28	20.06	20.12	21.5		
	100		0	20.14	20.19	20.17	21.5		

LTE Band 66 (Ant4)									
BW	Modulation	Channel		Low	Mid	High	Max. Tune-up (dBm)		
		RB Size	RB Offset						
15M	QPSK	Channel		13207	13232	13272			
		Frequency (MHz)		13947	13932	13997			
		1	0	20.20	20.09	20.06	21.5		
		1	37	20.27	20.19	20.27	21.5		
		1	74	20.14	20.11	20.11	21.5		
		36	0	19.69	20.06	20.01	21.5		
		36	19	20.16	20.03	20.04	21.5		
		36	39	19.96	19.92	19.80	21.5		
		75	0	19.98	20.02	20.18	21.5		
		1	0	19.98	20.02	20.18	21.5		
	16QAM	1	37	20.18	20.23	20.28	21.5		
		1	74	20.30	20.22	20.19	21.5		
		36	0	19.99	19.84	19.95	21.5		
		36	19	19.88	19.92	19.92	21.5		
		36	39	20.18	20.06	19.98	21.5		
		75	0	20.03	20.08	20.13	21.5		
		1	0	20.18	20.08	20.10	21.5		
		1	37	19.90	20.20	20.13	21.5		
		1	74	20.04	19.93	19.88	21.5		
		36	0	20.00	19.89	20.16	21.5		
	64QAM	36	19	20.00	20.26	20.16	21.5		
		36	39	20.13	20.00	20.08	21.5		
		75	0	20.03	20.08	20.13	21.5		

LTE Band 66 (Ant4)									
BW	Modulation	Channel		Low	Mid	High	Max. Tune-up (dBm)		
		RB Size	RB Offset						
10M	QPSK	Channel		13207	13232	13272			
		Frequency (MHz)		1716	1745	1770			
		1	0	20.15	20.06	20.10	21.5		
		1	24	20.29	20.14	20.25	21.5		
		1	49	20.14	20.06	20.07	21.5		
		25	0	19.69	20.06	20.02	21.5		
		25	12	20.13	20.08	20.07	21.5		
		25	25	20.25	20.08	20.03	21.5		
		25	0	20.10	19.97	19.88	21.5		
		1	0	19.94	20.05	20.19	21.5		
	16QAM	1	24	20.08	20.22	20.13	21.5		
		1	49	20.34	20.24	20.13	21.5		
		25	0	20.04	19.90	19.91	21.5		
		25	12	19.89	20.05	20.00	21.5		
		25	25	20.25	20.05	20.03	21.5		
		50	0	19.84	20.00	19.89	21.5		
		1	0	20.14	20.02	20.12	21.5		
		1	24	19.88	20.19	20.23	21.5		
		1	49	20.04	19.95	19.84	21.5		
		25	0	19.91	19.91	20.17	21.5		
	64QAM	25	12	20.00	20.12	20.14	21.5		
		25	25	20.21	19.96	20.03	21.5		
		50	0	20.06	20.15	20.12	21.5		

LTE Band 66 (Ant4)									
BW	Modulation	Channel		Low	Mid	High	Max. Tune-up (dBm)		
		RB Size	RB Offset						
5M	QPSK	Channel		13197	13232	13267			
		Frequency (MHz)		1711.5	1745	1778.5			
		1	0	20.27	20.12	19.98	21.5		
		1	12	20.26	20.26	20.25	21.5		
		1	24	20.21	20.03	20.10	21.5		
		12	0	19.66	20.02	19.95	21.5		
		12	6	20.07	20.15	20.11	20.08	21.5	
		12	13	20.24	20.15	19.80	19.78	21.5	
		25	0	19.99	19.96	19.94	21.5		
		1	0	19.94	20.01	20.26	21.5		
	16QAM	1	12	20.06	20.31	20.33	21.5		
		1	24	20.36	20.25	20.06	21.5		
		12	0	20.00	19.87	20.03	21.5		
		12	6	19.91	20.02	20.03	21.5		
		12	13	20.16	20.08	20.01	21.5		
		25	0	19.82	20.05	19.94	21.5		
		1	0	20.09	20.01	20.15	21.5		
		1	12	19.92	20.26	20.16	21.5		
		1	24	20.05	19.95	19.90	21.5		
		12	0	19.92	19.91	20.22	21.5		
	64QAM	12	6	20.01	19.86	20.10	21.5		
		12	13	20.17	20.03	20.03	21.5		
		25	0	20.04	20.04	20.06	21.5		

LTE Band 66 (Ant4)									
BW	Modulation	Channel		Low	Mid	High	Max. Tune-up (dBm)		
		RB Size	RB Offset						
3M	QPSK	Channel		13197	13232	13266			
		Frequency (MHz)		1718.7	1745	1779.3			
		1	0	20.20	20.00	20.10	21.5		
		1	7	20.28	20.25	20.19	21.5		
		1	14	20.16	20.02	20.15	21.5		
		8	0	19.68	19.86	19.86	21.5		
		8	3	20.12	20.02	20.05	21.5		
		8	7	19.98	19.81	19.88	21.5		
		15	0	20.10	19.88	19.85	21.5		
		1	0	20.00	20.07	20.29	21.5		
	16QAM	1	7	20.17	20.27	20.21	21.5		
		1	14	20.34	20.17	20.10	21.5		
		8	0	19.95	19.86	20.03	21.5		
		8	3	19.91	19.99	19.90	21.5		
		8	7	20.21	19.96	19.93	21.5		
		15	0	19.82	19.99	19.84	21.5		

LTE_Ant5 DSI4 Power

LTE Band 42 (ENDC Only) FCC Part27Q (Ant5)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				42190	42590	42990		
		Channel Frequency (MHz)		3460	3500	3540		
20M	QPSK	1	0	18.79	18.94	18.88	20	
		1	50	18.97	18.99	19.08	20	
		1	99	18.79	18.89	18.93	20	
		50	0	18.91	18.96	19.03	20	
		50	25	18.85	18.90	18.84	20	
		50	50	18.72	18.94	18.99	20	
	100	0	19.03	18.84	19.05	20		
	16QAM	1	0	18.86	18.85	18.79	20	
		1	50	18.97	18.82	19.05	20	
		1	99	18.76	18.79	18.73	20	
		50	0	18.98	18.72	18.82	20	
		50	25	18.84	18.78	18.87	20	
		50	50	18.82	18.87	18.81	20	
	100	0	18.70	18.71	18.77	20		
	64QAM	1	0	18.96	18.88	18.69	20	
		1	50	18.76	18.69	18.83	20	
		1	99	18.84	18.86	18.92	20	
		50	0	18.88	18.87	18.82	20	
		50	25	18.69	18.76	18.71	20	
		50	50	19.00	18.77	18.78	20	
	100	0	18.77	18.62	18.91	20		
	15M	QPSK	Channel		42165	42590	43015	Max. Tune-up
			Frequency (MHz)		3457.5	3500	3542.5	
			1	0	18.78	18.79	18.85	
1			37	18.95	18.93	18.95	20	
1			74	18.65	18.75	18.81	20	
36			0	18.83	18.90	18.97	20	
36		19	18.72	18.80	18.82	20		
36		39	18.57	18.90	18.89	20		
75		0	18.94	18.75	18.96	20		
16QAM		1	0	18.71	18.70	18.76	20	
		1	37	18.94	18.75	18.90	20	
		1	74	18.74	18.67	18.59	20	
		36	0	18.95	18.67	18.81	20	
		36	19	18.73	18.69	18.82	20	
		36	39	18.67	18.80	18.73	20	
75		0	18.67	18.68	18.75	20		
64QAM		1	0	18.86	18.80	18.84	20	
		1	37	18.64	18.56	18.81	20	
		1	74	18.69	18.83	18.81	20	
		36	0	18.80	18.85	18.79	20	
		36	19	18.55	18.63	18.61	20	
		36	39	18.86	18.68	18.74	20	
75		0	18.65	18.60	18.79	20		
10M		QPSK	Channel		42140	42590	43040	Max. Tune-up
	Frequency (MHz)		3455	3500	3545			
	1		0	18.73	18.83	18.85	20	
	1		24	18.90	18.88	19.00	20	
	1		49	18.66	18.80	18.80	20	
	25		0	18.77	18.81	18.91	20	
	25	12	18.79	18.88	18.72	20		
	25	25	18.66	18.84	18.96	20		
	50	0	19.01	18.70	18.97	20		
	16QAM	1	0	18.78	18.81	18.73	20	
		1	24	18.94	18.78	19.03	20	
		1	49	18.69	18.76	18.69	20	
		25	0	18.89	18.64	18.79	20	
		25	12	18.80	18.73	18.86	20	
		25	25	18.75	18.85	18.69	20	
	50	0	18.63	18.59	18.63	20		
	64QAM	1	0	18.81	18.77	18.56	20	
		1	24	18.64	18.64	18.77	20	
		1	49	18.74	18.79	18.80	20	
		25	0	18.74	18.75	18.74	20	
		25	12	18.61	18.64	18.58	20	
		25	25	18.96	18.71	18.67	20	
	50	0	18.75	18.53	18.84	20		
	5M	QPSK	Channel		42115	42590	43065	Max. Tune-up
Frequency (MHz)			3452.5	3500	3547.5			
1			0	18.65	18.82	18.81	20	
1			12	18.90	18.87	19.04	20	
1			24	18.68	18.88	18.78	20	
12			0	18.83	18.86	18.90	20	
12		6	18.74	18.86	18.80	20		
12		13	18.64	18.83	18.87	20		
25		0	18.94	18.82	19.02	20		
16QAM		1	0	18.80	18.79	18.70	20	
		1	12	18.88	18.72	18.98	20	
		1	24	18.71	18.75	18.68	20	
		12	0	18.85	18.61	18.69	20	
		12	6	18.71	18.66	18.75	20	
		12	13	18.75	18.86	18.77	20	
25		0	18.55	18.56	18.71	20		
64QAM		1	0	18.85	18.80	18.56	20	
		1	12	18.65	18.55	18.79	20	
		1	24	18.82	18.73	18.84	20	
		12	0	18.76	18.84	18.67	20	
		12	6	18.67	18.66	18.69	20	
		12	13	18.93	18.69	18.77	20	
25		0	18.64	18.51	18.81	20		

LTE Band 42 (ENDC Only) FCC Part96 (Ant5)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				43190	43340	43490		
		Channel Frequency (MHz)		3560	3575	3590		
20M	QPSK	1	0	18.99	19.20	19.01	20	
		1	50	19.07	19.14	19.19	20	
		1	99	19.00	18.99	18.91	20	
		50	0	19.05	19.05	19.08	20	
		50	25	19.01	18.99	18.97	20	
		50	50	18.97	18.91	19.07	20	
	100	0	18.84	19.05	18.96	20		
	16QAM	1	0	19.13	19.13	18.96	20	
		1	50	19.15	19.16	19.02	20	
		1	99	18.97	19.10	19.02	20	
		50	0	18.88	19.02	18.85	20	
		50	25	19.07	18.96	18.99	20	
		50	50	19.14	18.99	18.96	20	
	100	0	19.08	18.86	18.99	20		
	64QAM	1	0	18.85	18.99	18.86	20	
		1	50	19.00	18.78	18.77	20	
		1	99	18.85	18.81	19.08	20	
		50	0	18.97	18.86	18.89	20	
		50	25	18.87	19.05	18.93	20	
		50	50	18.82	18.94	18.93	20	
	100	0	19.01	18.78	18.78	20		
	15M	QPSK	Channel		43165	43340	43515	Max. Tune-up
			Frequency (MHz)		3567.5	3575	3592.5	
			1	0	18.89	19.09	18.94	
1			37	19.00	19.12	19.14	20	
1			74	18.97	18.84	18.85	20	
36			0	18.93	18.94	18.98	20	
36		19	18.92	18.92	18.93	20		
36		39	18.86	18.86	19.04	20		
75		0	18.75	19.02	18.92	20		
16QAM		1	0	19.11	19.05	18.81	20	
		1	37	19.02	19.10	18.92	20	
		1	74	18.86	19.02	18.97	20	
		36	0	18.84	18.94	18.72	20	
		36	19	18.94	18.93	18.96	20	
		36	39	19.11	18.97	18.81	20	
75		0	19.03	18.76	18.95	20		
64QAM		1	0	18.81	18.89	18.75	20	
		1	37	18.95	18.69	18.71	20	
		1	74	18.76	18.66	19.06	20	
		36	0	18.84	18.76	18.76	20	
		36	19	18.81	18.96	18.91	20	
		36	39	18.75	18.81	18.90	20	
75		0	18.99	18.70	18.74	20		
10M		QPSK	Channel		43140	43340	43540	Max. Tune-up
	Frequency (MHz)		3555	3575	3595			
	1		0	18.86	19.08	19.00	20	
	1		24	18.93	19.09	19.16	20	
	1		49	18.97	18.94	18.79	20	
	25		0	19.00	18.96	19.00	20	
	25	12	18.99	18.84	18.96	20		
	25	25	18.86	18.88	19.01	20		
	50	0	18.72	19.03	18.92	20		
	16QAM	1	0	18.98	18.99	18.84	20	
		1	24	19.01	19.11	19.00	20	
		1	49	18.86	18.99	18.97	20	
		25	0	18.85	19.01	18.77	20	
		25	12	19.05	18.89	18.96	20	
		25	25	19.04	18.86	18.93	20	
	50	0	18.97	18.73	18.87	20		
	64QAM	1	0	18.82	18.84	18.78	20	
		1	24	18.96	18.68	18.69	20	
		1	49	18.84	18.72	18.94	20	
		25	0	18.82	18.77	18.87	20	
		25	12	18.74	18.99	18.80	20	
		25	25	18.69	18.80	18.83	20	
	50	0	18.96	18.63	18.65	20		
	5M	QPSK	Channel		43115	43340	43565	Max. Tune-up
Frequency (MHz)			3552.5	3575	3597.5			
1			0	18.85	19.09	18.92	20	
1			12	19.00	19.13	19.10	20	
1			24	18.85	18.89	18.81	20	
12			0	18.93	19.04	18.94	20	
12		6	18.99	18.96	18.86	20		
12		13	18.95	18.90	19.02	20		
25		0	18.72	18.99	18.95	20		
16QAM		1	0	19.04	19.08	18.95	20	
		1	12	19.08	19.07	18.96	20	
		1	24	18.95	18.98	18.98	20	
		12	0	18.79	18.95	18.78	20	
		12	6	19.01	18.86	18.85	20	
		12	13	19.07	18.96	18.95	20	
25		0	19.01	18.85	18.90	20		
64QAM		1	0	18.73	18.92	18.71	20	
		1	12	18.96	18.75	18.70	20	
		1	24	18.83	18.72	18.96	20	
		12	0	18.88	18.78	18.85	20	
		12	6	18.85	18.98	18.91	20	
		12	13	18.69	18.89	18.84	20	
25		0	18.93	18.63	18.72	20		

LTE Band 42 FCC Part70 (Ant5)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tone-up (dBm)	
		Channel Frequency (MHz)	42196 3460	42590 3500	42984 3540			
20M	QPSK	1	0	21.04	21.01	20.93	22	
		1	50	21.09	21.06	21.19	22	
		1	99	20.84	20.99	20.98	22	
		50	0	20.79	20.88	20.89	22	
		50	25	20.68	20.82	20.89	22	
		50	50	20.66	20.71	20.80	22	
		100	0	20.70	20.72	20.85	22	
		1	0	20.73	20.68	20.65	22	
		1	50	20.86	20.74	20.97	22	
		1	99	20.57	20.67	20.66	22	
		50	0	20.54	20.29	20.32	22	
		50	25	20.42	20.35	20.42	22	
	50	50	20.43	20.38	20.26	22		
	100	0	20.31	20.24	20.38	22		
	16QAM	1	0	20.39	20.28	20.23	22	
		1	50	20.39	20.30	20.41	22	
		1	99	20.24	20.41	20.36	22	
		50	0	19.42	19.36	19.36	21	
		50	25	19.15	19.30	19.27	21	
		50	50	19.51	19.35	19.24	21	
		100	0	19.37	19.21	19.44	21	
		64QAM	1	0	20.39	20.28	20.23	22
			1	50	20.39	20.30	20.41	22
			1	99	20.24	20.41	20.36	22
50			0	19.42	19.36	19.36	21	
50			25	19.15	19.30	19.27	21	
50	50		19.51	19.35	19.24	21		
100	0		19.37	19.21	19.44	21		
Channel	42165		42590	42915	Max. Tone-up			
	3467.5		3500	3542.5				
	1		0	20.94	20.84	20.79	22	
	1		37	20.95	20.93	21.17	22	
	1		74	20.72	20.90	20.96	22	
	36	0	20.65	20.72	20.75	22		
	36	19	20.59	20.71	20.57	22		
	36	39	20.52	20.60	20.73	22		
	75	0	20.55	20.70	20.78	22		
	1	0	20.58	20.67	20.64	22		
	1	37	20.74	20.66	20.96	22		
	1	74	20.54	20.62	20.56	22		
36	0	20.53	20.23	20.25	22			
36	19	20.28	20.27	20.27	22			
36	39	20.38	20.27	20.19	22			
75	0	20.21	20.09	20.38	22			
15M	QPSK	1	0	20.35	20.16	20.15	22	
		1	37	20.29	20.28	20.31	22	
		1	74	20.09	20.40	20.22	22	
		36	0	19.32	19.34	19.23	21	
		36	19	19.01	19.27	19.14	21	
		36	39	19.38	19.24	19.13	21	
	75	0	19.29	19.14	19.43	21		
	16QAM	1	0	20.35	20.16	20.15	22	
		1	37	20.29	20.28	20.31	22	
		1	74	20.09	20.40	20.22	22	
		36	0	19.32	19.34	19.23	21	
		36	19	19.01	19.27	19.14	21	
36		39	19.38	19.24	19.13	21		
75	0	19.29	19.14	19.43	21			
64QAM	1	0	20.35	20.16	20.15	22		
	1	37	20.29	20.28	20.31	22		
	1	74	20.09	20.40	20.22	22		
	36	0	19.32	19.34	19.23	21		
	36	19	19.01	19.27	19.14	21		
	36	39	19.38	19.24	19.13	21		
75	0	19.29	19.14	19.43	21			
Channel	42116	42590	42915	Max. Tone-up				
	3462.5	3500	3542.5					
	1	0	20.97	20.93	20.86	22		
	1	24	20.90	21.01	21.04	22		
	1	49	20.74	20.97	20.86	22		
	25	0	20.68	20.76	20.81	22		
	25	12	20.62	20.75	20.95	22		
	25	25	20.53	20.61	20.71	22		
	50	0	20.65	20.71	20.80	22		
	1	0	20.59	20.56	20.54	22		
	1	24	20.76	20.67	20.87	22		
	1	49	20.52	20.52	20.51	22		
25	0	20.40	20.17	20.17	22			
25	12	20.37	20.26	20.41	22			
25	25	20.38	20.32	20.17	22			
50	0	20.27	20.11	20.32	22			
10M	QPSK	1	0	20.34	20.17	20.19	22	
		1	24	20.32	20.26	20.35	22	
		1	49	20.16	20.36	20.30	22	
		25	0	19.27	19.25	19.28	21	
		25	12	19.11	19.27	19.16	21	
		25	25	19.36	19.22	19.12	21	
	50	0	19.22	19.14	19.41	21		
	16QAM	1	0	20.34	20.17	20.19	22	
		1	24	20.32	20.26	20.35	22	
		1	49	20.16	20.36	20.30	22	
		25	0	19.27	19.25	19.28	21	
		25	12	19.11	19.27	19.16	21	
25		25	19.36	19.22	19.12	21		
50	0	19.22	19.14	19.41	21			
64QAM	1	0	20.34	20.17	20.19	22		
	1	24	20.32	20.26	20.35	22		
	1	49	20.16	20.36	20.30	22		
	25	0	19.27	19.25	19.28	21		
	25	12	19.11	19.27	19.16	21		
	25	25	19.36	19.22	19.12	21		
50	0	19.22	19.14	19.41	21			
Channel	42116	42590	42915	Max. Tone-up				
	3462.5	3500	3542.5					
	1	0	21.01	21.01	20.87	22		
	1	12	20.93	20.99	21.11	22		
	1	24	20.80	20.95	20.91	22		
	12	0	20.87	20.83	20.74	22		
	12	6	20.54	20.81	20.62	22		
	12	13	20.64	20.62	20.78	22		
	25	0	20.65	20.60	20.71	22		
	1	0	20.70	20.56	20.52	22		
	1	12	20.77	20.66	20.96	22		
	1	24	20.56	20.66	20.55	22		
12	0	20.52	20.20	20.24	22			
12	6	20.37	20.28	20.31	22			
12	13	20.32	20.26	20.16	22			
25	0	20.16	20.17	20.33	22			
1	0	20.28	20.26	20.19	22			
1	12	20.24	20.16	20.29	22			
1	24	20.12	20.33	20.24	22			
12	0	19.34	19.26	19.25	21			
12	6	19.07	19.21	19.12	21			
12	13	19.38	19.20	19.22	21			
25	0	19.28	19.08	19.29	21			

LTE Band 42 FCC Part96 (Ant5)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tone-up (dBm)	
		Channel Frequency (MHz)	43196 3575	43430 3575	43690 3590			
20M	QPSK	1	0	21.18	21.16	21.18	22	
		1	50	21.14	21.19	21.27	22	
		1	99	21.08	21.11	21.04	22	
		50	0	20.87	20.89	20.91	22	
		50	25	20.82	20.80	20.94	22	
		50	50	20.74	20.67	20.85	22	
		100	0	20.74	20.86	20.88	22	
		1	0	20.81	20.97	20.82	22	
		1	50	20.79	20.78	20.77	22	
		1	99	20.77	20.71	20.92	22	
		50	0	20.42	20.59	20.30	22	
		50	25	20.52	20.43	20.46	22	
	50	50	20.50	20.45	20.41	22		
	100	0	20.49	20.35	20.41	22		
	16QAM	1	0	20.17	20.44	20.33	22	
		1	50	20.32	20.23	20.36	22	
		1	99	20.16	20.39	20.54	22	
		50	0	19.96	19.37	19.27	21	
		50	25	19.49	19.49	19.52	21	
		50	50	19.50	19.48	19.47	21	
		100	0	19.57	19.40	19.53	21	
		64QAM	1	0	20.17	20.44	20.33	22
			1	50	20.32	20.23	20.36	22
			1	99	20.16	20.39	20.54	22
50			0	19.96	19.37	19.27	21	
50			25	19.49	19.49	19.52	21	
50	50		19.50	19.48	19.47	21		
100	0		19.57	19.40	19.53	21		
Channel	43165		43430	43615	Max. Tone-up			
	3575.5		3575	3592.5				
	1		0	21.15	21.06	21.17	22	
	1		37	21.09	21.13	21.13	22	
	1		74	21.06	21.03	21.02	22	
	36	0	20.78	20.79	20.69	22		
	36	19	20.78	20.79	20.92	22		
	36	39	20.69	20.63	20.72	22		
	75	0	20.63	20.79	20.80	22		
	1	0	20.79	20.80	20.70	22		
	1	37	20.68	20.69	20.69	22		
	1	74	20.62	20.59	20.87	22		
36	0	20.34	20.46	20.18	22			
36	19	20.44	20.29	20.35	22			
36	39	20.36	20.42	20.32	22			
75	0	20.48	20.29	20.39	22			
15M	QPSK	1	0	20.14	20.40	20.19	22	
		1	37	20.29	20.18	20.34	22	
		1	74	20.10	20.33	20.40	22	
		36	0	19.81	19.36	19.18	21	
		36	19	19.46	19.37	19.50	21	
		36	39	19.45	19.42	19.44	21	
	75	0	19.56	19.25	19.52	21		
	16QAM	1	0	20.14	20.40	20.19	22	
		1	37	20.29	20.18	20.34	22	
		1	74	20.10	20.33	20.40	22	
		36	0	19.81	19.36	19.18	21	
		36	19	19.46	19.37	19.50	21	
36		39	19.45	19.42	19.44	21		
75	0	19.56	19.25	19.52	21			
64QAM	1	0	20.14	20.40	20.19	22		
	1	37	20.29	20.18				

Intar Band CA DSI4 Power

CA_7C Ant1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	22.83	23.5
				16QAM	1	99	1	0	22.58	23.5
				64QAM	1	99	1	0	21.23	23
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	22.79	25
				16QAM	1	99	1	0	22.83	24
				64QAM	1	99	1	0	21.27	23
21152	2540.2	21350	2560	QPSK	1	99	1	0	22.85	25
				16QAM	1	99	1	0	22.55	24
				64QAM	1	99	1	0	21.18	23

CA_38C Ant1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	22.68	24.5
				16QAM	1	99	1	0	22.49	24.5
				64QAM	1	99	1	0	21.82	23.5
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	22.71	24.5
				16QAM	1	99	1	0	22.83	24.5
				64QAM	1	99	1	0	21.58	23.5
37952	2590.2	38150	2610	QPSK	1	99	1	0	22.65	24.5
				16QAM	1	99	1	0	22.55	24.5
				64QAM	1	99	1	0	21.59	23.5

CA_7C Ant4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	17.95	19
				16QAM	1	99	1	0	17.85	19
				64QAM	1	99	1	0	17.63	19
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	17.87	19
				16QAM	1	99	1	0	17.74	19
				64QAM	1	99	1	0	17.78	19
21152	2540.2	21350	2560	QPSK	1	99	1	0	17.91	19
				16QAM	1	99	1	0	17.85	19
				64QAM	1	99	1	0	17.63	19

CA_38C Ant4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Max Tune-up (dBm)
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	19.83	21.5
				16QAM	1	99	1	0	19.75	21.5
				64QAM	1	99	1	0	19.72	21.5
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	19.85	21.5
				16QAM	1	99	1	0	19.79	21.5
				64QAM	1	99	1	0	19.58	21.5
37952	2590.2	38150	2610	QPSK	1	99	1	0	19.69	21.5
				16QAM	1	99	1	0	19.61	21.5
				64QAM	1	99	1	0	19.56	21.5

NR Default Power

n2 (SCS 30 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	37200	37600	38000	
20M	DFT-s-OFDM P2/BPSK	1	1	23.65	23.57	23.49	25
		1	26	23.79	23.55	23.48	25
		1	49	23.54	23.50	23.45	25
		25	0	23.22	23.24	23.09	24
		25	13	24.34	24.26	24.26	25
		25	26	23.33	23.21	23.01	24
	DFT-s-OFDM QPSK	1	1	23.70	23.68	23.57	25
		1	26	23.82	23.62	23.52	25
		1	49	23.68	23.55	23.51	25
		25	0	23.30	23.31	23.23	24
		25	13	24.44	24.32	24.27	25
		25	26	23.40	23.32	23.12	24
	DFT-s-OFDM 16QAM	50	0	23.43	23.34	23.16	24
		25	13	23.38	23.31	23.25	24
		25	13	22.08	22.04	21.94	23.5
DFT-s-OFDM 64QAM	25	13	19.99	19.93	19.87	21.5	
	25	13	19.99	19.93	19.87	21.5	
BW	MCS Index	Channel	Frequency (MHz)	37100	37600	38000	Max. Tune-up
15M	DFT-s-OFDM QPSK	18	9	24.16	24.30	24.10	25
BW	MCS Index	Channel	Frequency (MHz)	37100	37600	38000	Max. Tune-up
10M	DFT-s-OFDM QPSK	12	6	24.39	24.22	24.08	25

n7 (SCS 30 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	50600	50700	50800	
50M	DFT-s-OFDM P2/BPSK	1	1	23.27	23.28	23.13	25
		1	67	23.42	23.44	23.26	25
		1	131	23.14	23.30	23.22	25
		64	0	22.77	22.72	22.87	24
		64	35	23.81	23.79	23.89	25
		64	69	22.83	22.81	22.90	24
	DFT-s-OFDM QPSK	128	0	22.89	22.84	22.78	24
		1	1	23.31	23.33	23.18	25
		1	67	23.51	23.50	23.36	25
		1	131	23.23	23.40	23.27	25
		64	0	22.81	22.83	22.88	24
		64	35	23.52	23.50	24.02	25
	DFT-s-OFDM 16QAM	64	69	22.89	22.86	22.81	24
		128	0	22.84	22.90	22.85	24
		64	35	22.96	23.00	23.03	24
DFT-s-OFDM 64QAM	64	35	21.84	21.57	21.58	23.5	
	64	35	19.96	19.98	19.83	21.5	
BW	MCS Index	Channel	Frequency (MHz)	50600	50700	50800	Max. Tune-up
40M	DFT-s-OFDM QPSK	50	25	23.74	23.82	23.77	25
BW	MCS Index	Channel	Frequency (MHz)	50700	50700	51000	Max. Tune-up
30M	DFT-s-OFDM QPSK	36	18	23.73	23.84	23.72	25
BW	MCS Index	Channel	Frequency (MHz)	50200	50700	51000	Max. Tune-up
25M	DFT-s-OFDM QPSK	32	16	23.81	23.79	23.89	25
BW	MCS Index	Channel	Frequency (MHz)	50200	50700	51200	Max. Tune-up
20M	DFT-s-OFDM QPSK	25	12	23.87	23.79	23.70	25
BW	MCS Index	Channel	Frequency (MHz)	50150	50700	51250	Max. Tune-up
15M	DFT-s-OFDM QPSK	18	9	23.83	23.78	23.76	25
BW	MCS Index	Channel	Frequency (MHz)	50100	50700	51300	Max. Tune-up
10M	DFT-s-OFDM QPSK	12	6	23.80	23.84	23.79	25

n66 (SCS 30 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	34800	34900	35000	
40M	DFT-s-OFDM P2/BPSK	1	1	23.59	23.66	23.68	25.5
		1	50	23.73	23.88	23.82	25.5
		1	104	23.81	23.51	23.53	25.5
		50	0	23.36	23.21	23.31	24.5
		50	28	24.48	24.46	24.49	25.5
		50	56	23.31	23.32	23.15	24.5
	DFT-s-OFDM QPSK	100	0	23.27	23.29	23.38	24.5
		1	1	23.69	23.76	23.79	25.5
		1	50	23.87	23.90	23.85	25.5
		1	104	23.94	23.61	23.63	25.5
		50	0	23.37	23.33	23.40	24.5
		50	28	24.52	24.46	24.49	25.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.40	23.20	24.5
		100	0	23.38	23.41	23.40	24.5
		50	28	23.48	23.52	23.51	24.5
DFT-s-OFDM 64QAM	50	28	22.16	22.06	22.10	24	
	50	28	20.10	20.14	20.11	22	
BW	MCS Index	Channel	Frequency (MHz)	34800	34900	35000	Max. Tune-up
35M	DFT-s-OFDM QPSK	45	22	24.29	24.23	24.39	25.5
BW	MCS Index	Channel	Frequency (MHz)	34900	34900	35000	Max. Tune-up
30M	DFT-s-OFDM QPSK	36	18	24.34	24.40	24.36	25.5
BW	MCS Index	Channel	Frequency (MHz)	34400	34900	35000	Max. Tune-up
20M	DFT-s-OFDM QPSK	25	12	24.37	24.31	24.39	25.5
BW	MCS Index	Channel	Frequency (MHz)	34300	34900	35000	Max. Tune-up
15M	DFT-s-OFDM QPSK	18	9	24.29	24.37	24.13	25.5
BW	MCS Index	Channel	Frequency (MHz)	34300	34900	35000	Max. Tune-up
10M	DFT-s-OFDM QPSK	12	6	24.32	24.28	24.29	25.5

n38 (SCS 15 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	2590	2595	2600	
40M	DFT-s-OFDM P2/BPSK	1	1	23.41	23.52	23.49	25
		1	105	24.04	24.01	23.94	25
		1	214	23.50	23.38	23.21	25
		108	0	22.86	23.04	22.81	24
		108	54	24.03	24.04	24.09	25
		108	108	22.81	22.88	22.80	24
	DFT-s-OFDM QPSK	216	0	22.87	22.85	22.87	24
		1	1	23.55	23.56	23.58	25
		1	105	24.10	24.02	24.01	25
		1	214	23.51	23.40	23.36	25
		108	0	22.98	23.05	22.95	24
		108	54	24.04	24.12	24.11	25
	DFT-s-OFDM 16QAM	108	108	22.96	22.98	22.95	24
		216	0	22.99	23.00	23.01	24
		108	54	22.96	22.88	23.08	24
DFT-s-OFDM 64QAM	108	54	21.61	21.55	21.55	23.5	
	108	54	19.65	19.60	19.74	21.5	
BW	MCS Index	Channel	Frequency (MHz)	51700	51900	52100	Max. Tune-up
30M	DFT-s-OFDM QPSK	80	40	23.85	23.93	23.89	25
BW	MCS Index	Channel	Frequency (MHz)	51600	51900	52100	Max. Tune-up
25M	DFT-s-OFDM QPSK	64	32	23.97	24.05	23.96	25
BW	MCS Index	Channel	Frequency (MHz)	51600	51900	52200	Max. Tune-up
20M	DFT-s-OFDM QPSK	50	25	23.89	23.95	23.91	25
BW	MCS Index	Channel	Frequency (MHz)	51500	51900	52200	Max. Tune-up
15M	DFT-s-OFDM QPSK	36	18	23.95	23.96	23.93	25
BW	MCS Index	Channel	Frequency (MHz)	51500	51900	52300	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	12	23.86	23.89	23.94	25
BW	MCS Index	Channel	Frequency (MHz)	51400	51900	52300	Max. Tune-up
5M	DFT-s-OFDM QPSK	12	6	23.83	23.84	23.90	25

n41 (SCS 15 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	2621.005	2633.005	2644.99	
50M	DFT-s-OFDM P2/BPSK	1	1	23.61	23.60	23.42	25
		1	135	23.81	23.78	23.80	25
		1	268	23.54	23.60	23.52	25
		135	0	22.81	22.79	22.82	24
		135	68	23.85	23.93	23.80	25
		135	135	22.84	22.73	22.71	24
	DFT-s-OFDM QPSK	270	0	22.77	22.82	22.70	24
		1	1	23.66	23.62	23.50	25
		1	135	23.82	23.83	23.86	25
		1	268	23.65	23.63	23.61	25
		135	0	22.91	22.88	22.90	24
		135	68	23.96	23.94	23.92	25
	DFT-s-OFDM 16QAM	135	135	22.87	22.85	22.81	24
		270	0	22.90	22.86	22.82	24
		135	68	23.00	23.03	22.98	24
DFT-s-OFDM 64QAM	135	68	21.68	21.65	21.61	23.5	
	135	68	19.80	19.78	19.71	21.5	
BW	MCS Index	Channel	Frequency (MHz)	50200	51600	53000	Max. Tune-up
40M	DFT-s-OFDM QPSK	108	54	23.85	23.75	23.83	25
BW	MCS Index	Channel	Frequency (MHz)	50200	51600	53499	Max. Tune-up
30M	DFT-s-OFDM QPSK	80	40	23.82	23.79	23.72	25
BW	MCS Index	Channel	Frequency (MHz)	501200	51600	53998	Max. Tune-up
20M	DFT-s-OFDM QPSK	50	25	23.93	23.91	23.90	25
BW	MCS Index	Channel	Frequency (MHz)	50070	51600	53999	Max. Tune-up
15M	DFT-s-OFDM QPSK	36	18	23.81	23.86	23.89	25
BW	MCS Index	Channel	Frequency (MHz)	50020	51600	53999	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	12	23.83	23.72	23.78	25

n2 (SCS 15 kHz)_Ant1								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		372000	376000	380000		
		Frequency (MHz)		1860	1880	1900		
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.70	23.52	23.52	25	
		1	53	23.81	23.76	23.66	25	
		1	104	23.60	23.58	23.50	25	
		50	0	23.39	23.47	23.43	24	
		50	28	24.40	24.44	24.38	25	
		50	56	23.41	23.47	23.27	24	
	DFT-s-OFDM QPSK	100	0	23.35	23.50	23.44	24	
		1	1	23.75	23.63	23.67	25	
		1	53	23.83	23.86	23.73	25	
		1	104	23.68	23.72	23.60	25	
		50	0	23.42	23.58	23.47	24	
		50	28	24.54	24.57	24.49	25	
	DFT-s-OFDM 16QAM	50	28	23.69	23.72	23.68	24	
		DFT-s-OFDM 64QAM	50	28	22.64	22.57	22.65	23.5
		DFT-s-OFDM 256QAM	50	28	20.49	20.38	20.47	21.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up	
15M	DFT-s-OFDM QPSK	Frequency (MHz)		1857.5	1880	1902.5		
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up	
10M	DFT-s-OFDM QPSK	Frequency (MHz)		1855	1880	1905		
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up	
5M	DFT-s-OFDM QPSK	Frequency (MHz)		1852.5	1880	1907.5		

n5 (SCS 15 kHz)_Ant1								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		166800	167300	167800		
		Frequency (MHz)		834	836.5	839		
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.90	23.84	23.89	25.5	
		1	53	23.99	24.06	23.93	25.5	
		1	104	23.91	24.05	23.81	25.5	
		50	0	23.55	23.66	23.59	24.5	
		50	28	24.71	24.60	24.69	25.5	
		50	56	23.62	23.51	23.59	24.5	
	DFT-s-OFDM QPSK	100	0	23.58	23.71	23.61	24.5	
		1	1	23.95	23.95	23.94	25.5	
		1	53	24.08	24.11	24.05	25.5	
		1	104	23.92	24.10	23.96	25.5	
		50	0	23.66	23.71	23.69	24.5	
		50	28	24.73	24.75	24.74	25.5	
	DFT-s-OFDM 16QAM	50	28	23.68	23.74	23.69	24.5	
		DFT-s-OFDM 64QAM	50	28	22.45	22.53	22.47	24
		DFT-s-OFDM 256QAM	50	28	20.28	20.37	20.31	22
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up	
15M	DFT-s-OFDM QPSK	Frequency (MHz)		831.5	836.5	841.5		
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up	
10M	DFT-s-OFDM QPSK	Frequency (MHz)		829	836.5	844		
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up	
5M	DFT-s-OFDM QPSK	Frequency (MHz)		826.5	836.5	846.5		

n7 (SCS 15 kHz)_Ant1								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		505000	507000	509000		
		Frequency (MHz)		2525	2535	2545		
50M	DFT-s-OFDM Pi/2 BPSK	1	1	23.31	23.16	23.17	25	
		1	135	23.34	23.31	23.26	25	
		1	268	23.37	23.24	23.32	25	
		135	0	22.94	22.83	22.81	24	
		135	68	23.91	23.93	23.90	25	
		135	135	22.77	22.88	22.77	24	
	DFT-s-OFDM QPSK	270	0	22.84	22.84	22.78	24	
		1	1	23.34	23.28	23.26	25	
		1	135	23.37	23.40	23.35	25	
		1	268	23.32	23.29	23.24	25	
		135	0	22.95	22.91	22.94	24	
		135	68	23.99	24.05	23.92	25	
	DFT-s-OFDM 16QAM	135	135	22.91	22.94	22.85	24	
		DFT-s-OFDM 64QAM	270	0	22.92	22.93	22.89	24
		DFT-s-OFDM 256QAM	135	68	22.93	22.94	23.01	24
BW	MCS Index	Channel		503500	507000	510500	Max. Tune-up	
40M	DFT-s-OFDM QPSK	Frequency (MHz)		2517.5	2535	2552.5		
BW	MCS Index	Channel		503000	507000	511000	Max. Tune-up	
30M	DFT-s-OFDM QPSK	Frequency (MHz)		2515	2535	2555		
BW	MCS Index	Channel		502500	507000	511500	Max. Tune-up	
25M	DFT-s-OFDM QPSK	Frequency (MHz)		2512.5	2535	2557.5		
BW	MCS Index	Channel		502000	507000	512000	Max. Tune-up	
20M	DFT-s-OFDM QPSK	Frequency (MHz)		2510	2535	2560		
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up	
15M	DFT-s-OFDM QPSK	Frequency (MHz)		2507.5	2535	2562.5		
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up	
10M	DFT-s-OFDM QPSK	Frequency (MHz)		2505	2535	2565		
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up	
5M	DFT-s-OFDM QPSK	Frequency (MHz)		2502.5	2535	2567.5		

n12 (SCS 15 kHz)_Ant1								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		141300	141500	141700		
		Frequency (MHz)		706.5	707.5	708.5		
15M	DFT-s-OFDM Pi/2 BPSK	1	1	24.28	24.12	24.31	25.5	
		1	38	24.20	24.16	24.24	25.5	
		1	77	24.03	24.19	24.17	25.5	
		36	0	23.11	23.42	23.25	24.5	
		36	22	24.42	24.36	24.39	25.5	
		36	43	23.37	23.22	23.24	24.5	
	DFT-s-OFDM QPSK	75	0	23.59	23.44	23.45	24.5	
		1	1	24.29	24.19	24.24	25.5	
		1	38	24.35	24.40	24.31	25.5	
		1	77	24.18	24.13	24.12	25.5	
		36	0	23.27	23.41	23.43	24.5	
		36	22	24.41	24.56	24.44	25.5	
	DFT-s-OFDM 16QAM	36	43	23.48	23.33	23.36	24.5	
		DFT-s-OFDM 64QAM	75	0	23.38	23.33	23.26	24.5
		DFT-s-OFDM 256QAM	1	1	23.44	23.40	23.30	24.5
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up	
10M	DFT-s-OFDM QPSK	Frequency (MHz)		704	707.5	711		
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up	
5M	DFT-s-OFDM QPSK	Frequency (MHz)		701.5	707.5	713.5		

n26 (SCS 15 kHz) Ant 1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		164800	166300	167800	
		Frequency (MHz)		824	831.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.41	24.30	24.49	25.5
		1	53	24.39	24.39	24.41	25.5
		1	104	24.18	24.36	24.30	25.5
		50	0	23.36	23.58	23.45	24.5
		50	28	24.62	24.56	24.55	25.5
		50	56	23.60	23.45	23.49	24.5
	100	0	23.71	23.68	23.57	24.5	
	DFT-s-OFDM QPSK	1	1	24.48	24.45	24.42	25.5
		1	53	24.52	24.54	24.46	25.5
		1	104	24.32	24.39	24.37	25.5
		50	0	23.49	23.63	23.55	24.5
		50	28	24.67	24.70	24.58	25.5
		50	56	23.61	23.57	23.51	24.5
	DFT-s-OFDM 16QAM	50	28	23.69	23.60	23.56	24.5
	DFT-s-OFDM 64QAM	50	28	22.11	22.09	22.06	24
DFT-s-OFDM 256QAM	50	28	20.07	20.03	20.08	22	
BW	MCS Index	Channel		166300	166300	168300	Max. Tune-up
		Frequency (MHz)		819	831.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	24.37	24.48	24.31	25.5
BW	MCS Index	Channel		163800	166300	168800	Max. Tune-up
		Frequency (MHz)		819	831.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.64	24.59	24.50	25.5
BW	MCS Index	Channel		163300	166300	169300	Max. Tune-up
		Frequency (MHz)		816.5	845	846.5	
5M	DFT-s-OFDM QPSK	12	7	24.51	24.49	24.37	25.5

n38 (SCS 30 kHz) Ant1								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		519000	519000	520000		
		Frequency (MHz)		2590	2595	2600		
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.38	23.43	25	
		1	53	24.07	23.96	23.89	25	
		1	104	23.30	23.18	23.34	25	
		50	0	22.87	22.84	22.84	24	
		50	28	24.03	23.96	23.97	25	
		50	56	22.80	22.72	22.83	24	
	100	0	22.93	22.85	22.92	24		
	DFT-s-OFDM QPSK	1	1	23.55	23.43	23.52	25	
		1	53	24.11	23.99	24.04	25	
		1	104	23.43	23.30	23.42	25	
		50	0	22.96	22.93	22.95	24	
		50	28	24.14	24.03	24.09	25	
		50	56	22.95	22.87	22.91	24	
	DFT-s-OFDM 16QAM	100	0	22.99	22.95	22.94	24	
	DFT-s-OFDM 64QAM	50	28	23.14	23.09	23.04	24	
	DFT-s-OFDM 256QAM	50	28	21.97	21.99	21.94	23.5	
	BW	MCS Index	Channel		517000	519000	521000	Max. Tune-up
			Frequency (MHz)		2585	2595	2605	
	30M	DFT-s-OFDM QPSK	36	21	24.10	23.88	23.97	25
	BW	MCS Index	Channel		516500	519000	521500	Max. Tune-up
			Frequency (MHz)		2582.5	2595	2607.5	
	25M	DFT-s-OFDM QPSK	32	17	24.06	23.94	23.96	25
	BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
			Frequency (MHz)		2580	2595	2610	
20M	DFT-s-OFDM QPSK	25	13	24.01	24.12	23.95	25	
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up	
		Frequency (MHz)		2577.5	2595	2612.5		
15M	DFT-s-OFDM QPSK	18	10	24.05	24.07	23.98	25	
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up	
		Frequency (MHz)		2575	2595	2615		
10M	DFT-s-OFDM QPSK	12	6	24.02	23.89	24.04	25	

n41 (SCS 30 kHz) Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	23.14	23.09	23.11	25
		1	137	23.79	23.93	23.63	25
		1	271	23.12	23.09	23.18	25
		135	0	22.72	22.79	22.59	24
		135	69	23.84	23.98	23.77	25
		135	138	22.51	22.81	22.56	24
	270	0	22.62	22.87	22.61	24	
	DFT-s-OFDM QPSK	1	1	23.08	23.18	23.04	25
		1	137	23.81	24.01	23.71	25
		1	271	23.07	23.18	23.06	25
		135	0	22.73	22.84	22.61	24
		135	69	23.92	24.06	23.85	25
		135	138	22.62	22.92	22.63	24
	270	0	22.73	22.89	22.63	24	
	DFT-s-OFDM 16QAM	135	69	23.04	23.11	23.07	24
DFT-s-OFDM 64QAM	135	69	22.01	22.08	22.00	23.5	
DFT-s-OFDM 256QAM	135	69	20.04	20.03	20.07	21.5	
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	120	63	23.88	23.92	23.79	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	108	55	23.91	23.97	23.78	25
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	90	50	23.86	23.78	23.74	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	81	41	23.77	23.96	23.82	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	64	35	23.89	23.93	23.71	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	50	28	23.77	23.99	23.61	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	36	21	23.85	23.88	23.73	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	25	13	23.74	23.95	23.69	25
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequency (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	18	10	23.78	23.85	23.74	25
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequency (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	12	6	23.69	23.90	23.68	25

n66 (SCS 15 kHz) Ant1								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		346000	349000	352000		
		Frequency (MHz)		1730	1745	1760		
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.49	23.43	25.5	
		1	107	24.02	24.21	24.04	25.5	
		1	214	23.46	23.66	23.55	25.5	
		108	0	23.21	23.20	23.27	24.5	
		108	54	24.46	24.56	24.31	25.5	
		108	108	23.21	23.26	23.17	24.5	
	216	0	23.12	23.23	23.17	24.5		
	DFT-s-OFDM QPSK	1	1	23.51	23.54	23.51	25.5	
		1	107	24.16	24.18	24.12	25.5	
		1	214	23.48	23.52	23.60	25.5	
		108	0	23.31	23.28	23.37	24.5	
		108	54	24.48	24.57	24.45	25.5	
		108	108	23.35	23.40	23.18	24.5	
	216	0	23.20	23.24	23.21	24.5		
	DFT-s-OFDM 16QAM	108	54	23.27	23.35	23.18	24.5	
	DFT-s-OFDM 64QAM	108	54	22.11	22.19	22.17	24	
	DFT-s-OFDM 256QAM	108	54	20.17	20.23	20.15	22	
	BW	MCS Index	Channel		345500	349000	352500	Max. Tune-up
			Frequency (MHz)		1727.5	1745	1762.5	
	35M	DFT-s-OFDM QPSK	90	49	24.33	24.51	24.40	25.5
	BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
			Frequency (MHz)		1725	1745	1765	
	30M	DFT-s-OFDM QPSK	80	40	24.35	24.44	24.31	25.5
	BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5		
25M	DFT-s-OFDM QPSK	64	35	24.33	24.50	24.42	25.5	
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up	
		Frequency (MHz)		1720	1745	1770		
20M	DFT-s-OFDM QPSK	50	28	24.39	24.53	24.44	25.5	
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up	
		Frequency (MHz)		1717.5	1745	1772.5		
15M	DFT-s-OFDM QPSK	36	22	24.41	24.48	24.43	25.5	
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up	
		Frequency (MHz)		1715	1745	1775		
10M	DFT-s-OFDM QPSK	25	14	24.46	24.44	24.35	25.5	
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up	
		Frequency (MHz)		1712.5	1745	1777.5		
5M	DFT-s-OFDM QPSK	12	7	24.40	24.42	24.39	25.5	

NR Default Power

n77 (SCS 15 kHz)_Ant2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		631667	633334	635000	
		Frequency (MHz)		3475.005	3500.01	3525	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	23.72	23.85	23.76	25
		1	135	23.89	23.86	23.81	25
		1	268	23.74	23.80	23.64	25
		135	0	23.05	23.03	23.02	24
		135	68	23.98	23.91	23.90	25
		135	135	22.99	23.23	23.15	24
	270	0	23.10	23.14	22.98	24	
	DFT-s-OFDM QPSK	1	1	23.77	23.90	23.84	25
		1	135	23.94	23.96	23.92	25
		1	268	23.75	23.85	23.74	25
		135	0	23.07	23.12	23.17	24
		135	68	24.00	23.99	23.97	25
		135	135	23.06	23.29	23.20	24
	270	0	23.11	23.17	23.13	24	
	DFT-s-OFDM 16QAM	135	68	23.20	23.35	23.21	24
	DFT-s-OFDM 64QAM	135	68	21.61	21.64	21.67	23.5
	DFT-s-OFDM 256QAM	135	68	19.64	19.71	19.60	21.5
	BW	MCS Index	Channel		631334	633334	635333
		Frequency (MHz)		3470.01	3500.01	3529.995	
40M	DFT-s-OFDM QPSK	108	54	23.90	23.92	23.88	25
BW	MCS Index	Channel		630667	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.005	3500.01	3540	
20M	DFT-s-OFDM QPSK	50	25	23.68	23.89	23.83	25
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	36	18	23.73	23.83	23.61	25
BW	MCS Index	Channel		630334	633334	636333	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.995	
10M	DFT-s-OFDM QPSK	25	12	23.97	23.90	23.86	25

n77 (SCS 15 kHz)_Ant2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		648334	656000	663666	
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	23.86	23.19	23.25	25
		1	135	23.79	23.21	23.70	25
		1	268	23.43	23.17	23.39	25
		135	0	22.89	22.21	22.48	24
		135	68	23.81	23.22	23.65	25
		135	135	22.78	22.30	22.53	24
	270	0	22.84	22.16	22.46	24	
	DFT-s-OFDM QPSK	1	1	23.88	23.24	23.38	25
		1	135	23.90	23.34	23.82	25
		1	268	23.57	23.08	23.48	25
		135	0	22.96	22.30	22.59	24
		135	68	23.94	23.37	23.77	25
		135	135	22.90	22.31	22.65	24
	270	0	22.97	22.29	22.59	24	
	DFT-s-OFDM 16QAM	135	68	22.98	22.49	22.77	24
	DFT-s-OFDM 64QAM	135	68	21.86	21.94	21.61	23.5
	DFT-s-OFDM 256QAM	135	68	19.65	18.99	19.57	21.5
	BW	MCS Index	Channel		648000	656000	664000
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	108	54	23.79	23.26	23.71	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	50	25	23.81	23.45	23.64	25
BW	MCS Index	Channel		647167	656000	664833	Max. Tune-up
		Frequency (MHz)		3707.505	3840	3972.495	
15M	DFT-s-OFDM QPSK	36	18	23.79	23.14	23.28	25
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	25	12	23.86	23.33	23.78	25

n48 (SCS 15 kHz)_Ant2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638334	641666	645000	
		Frequency (MHz)		3575.01	3624.99	3675	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	21.02	20.97	20.62	22
		1	135	21.32	20.99	20.79	22
		1	268	21.00	20.61	20.25	22
		135	0	20.51	20.15	19.77	21
		135	68	21.34	20.97	20.79	22
		135	135	20.39	19.97	19.95	21
	270	0	20.54	20.05	19.85	21	
	DFT-s-OFDM QPSK	1	1	21.25	20.98	20.67	22
		1	135	21.32	21.08	20.85	22
		1	268	21.06	20.68	20.39	22
		135	0	20.59	20.23	19.93	21
		135	68	21.36	21.11	20.76	22
		135	135	20.48	20.07	19.94	21
	270	0	20.56	20.10	20.00	21	
	DFT-s-OFDM 16QAM	135	68	20.63	20.29	20.06	21
	DFT-s-OFDM 64QAM	135	68	19.11	18.80	18.61	20.5
	DFT-s-OFDM 256QAM	135	68	17.18	16.90	16.57	18.5
	BW	MCS Index	Channel		638000	641666	645332
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM QPSK	108	54	21.22	20.88	20.77	22
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	50	25	20.97	20.74	20.81	22
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
		Frequency (MHz)		3557.52	3624.99	3692.49	
15M	DFT-s-OFDM QPSK	36	18	21.20	20.83	20.70	22
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	25	12	21.17	20.85	20.72	22

n78 (SCS 15 kHz)_Ant2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		631667	633334	635000	
		Frequency (MHz)		3475.005	3500.01	3525	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	23.72	23.59	23.65	25
		1	135	23.78	23.89	23.87	25
		1	268	23.61	23.68	23.50	25
		135	0	22.92	22.97	22.97	24
		135	68	23.85	23.90	23.89	25
		135	135	23.07	22.95	23.06	24
	270	0	23.09	23.10	22.95	24	
	DFT-s-OFDM QPSK	1	1	23.82	23.74	23.80	25
		1	135	23.91	24.02	23.91	25
		1	268	23.73	23.78	23.63	25
		135	0	23.05	22.99	23.11	24
		135	68	23.94	24.04	23.99	25
		135	135	23.11	23.06	23.10	24
	270	0	23.15	23.15	23.07	24	
	DFT-s-OFDM 16QAM	135	68	23.18	23.16	23.20	24
	DFT-s-OFDM 64QAM	135	68	21.61	21.65	21.62	23.5
	DFT-s-OFDM 256QAM	135	68	19.60	19.82	19.62	21.5
	BW	MCS Index	Channel		631334	633334	635333
		Frequency (MHz)		3470.01	3500.01	3529.995	
40M	DFT-s-OFDM QPSK	108	54	23.75	23.64	23.78	25
BW	MCS Index	Channel		630667	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.005	3500.01	3540	
20M	DFT-s-OFDM QPSK	50	25	23.66	23.72	23.57	25
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	36	18	23.81	23.89	23.76	25
BW	MCS Index	Channel		630334	633334	636333	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.995	
10M	DFT-s-OFDM QPSK	25	12	23.61	23.75	23.50	25

848 (SCB 30 MHz) Ant2									
BW	SCS Index	RB Size	1st RB Channel	1st RB Start	1st RB End	1st RB Center	RB Size	High	Max. Tx Power (dBm)
100MHz	DF-Tx-OFDM (PUSCH)	1	1	2051	2052	2050.5	20	20.59	22
		1	137	2155	2062	2060.5	20	20.60	22
		1	271	2155	2050	2050.5	22	20.50	22
		135	0	2050	1942	1940	21	19.40	21
		135	60	2050	2042	2040	21	20.40	21
		135	135	1945	1934	1932	21	19.32	21
	DF-Tx-OFDM (PDSCH)	270	0	1942	1940	1940.5	21	19.40	21
		1	137	2150	2057	2055.5	22	20.55	22
		1	271	2150	2052	2052	22	20.52	22
		135	0	1945	1934	1932	21	19.32	21
		135	60	1945	1936	1934	21	19.34	21
		135	135	1840	1829	1827	21	18.27	21
50MHz	DF-Tx-OFDM (PUSCH)	135	60	2014	2006	2010	21	20.10	21
		135	60	1919	1910	1915	20.5	19.15	20.5
		135	60	1824	1815	1820	20	18.15	20
		135	60	1729	1720	1734	19.5	17.34	19.5
		135	60	1634	1625	1639	19	16.39	19
		135	60	1539	1530	1554	18.5	15.54	18.5
	DF-Tx-OFDM (PDSCH)	270	0	1530	1521	1525.5	18.5	15.25	18.5
		135	60	1435	1426	1440	18	14.40	18
		135	60	1340	1331	1355	17.5	13.55	17.5
		135	60	1245	1236	1260	17	12.60	17
		135	60	1150	1141	1165	16.5	11.65	16.5
		135	60	1055	1046	1070	16	10.70	16

nTT (SCB 30 MHz) Ant2									
BW	SCS Index	RB Size	1st RB Channel	1st RB Start	1st RB End	1st RB Center	RB Size	High	Max. Tx Power (dBm)
100MHz	DF-Tx-OFDM (PUSCH)	1	1	2338	2339	2338.5	20	23.38	20
		1	137	2442	2349	2347.5	20	23.47	20
		1	271	2442	2344	2344	20	23.44	20
		135	0	2344	2236	2234	24	22.34	24
		135	60	2344	2336	2336	24	23.36	24
		135	135	2239	2130	2128	24	21.28	24
	DF-Tx-OFDM (PDSCH)	270	0	2236	2234	2234.5	24	22.34	24
		1	137	2437	2344	2342.5	20	23.42	20
		1	271	2437	2340	2340	20	23.40	20
		135	0	2347	2239	2239	24	22.39	24
		135	60	2347	2339	2339	24	23.39	24
		135	135	2242	2133	2131	24	21.31	24
50MHz	DF-Tx-OFDM (PUSCH)	135	60	2301	2292	2296.5	20.5	22.96	20.5
		135	60	2206	2197	2200.5	20	22.00	20
		135	60	2111	2102	2115	19.5	21.15	19.5
		135	60	2016	2007	2020.5	19	20.20	19
		135	60	1921	1912	1925.5	18.5	19.25	18.5
		135	60	1826	1817	1830.5	18	18.30	18
	DF-Tx-OFDM (PDSCH)	270	0	1817	1808	1811.5	18	18.11	18
		135	60	1722	1713	1726.5	17.5	17.26	17.5
		135	60	1627	1618	1631.5	17	16.31	17
		135	60	1532	1523	1536.5	16.5	15.36	16.5
		135	60	1437	1428	1441.5	16	14.41	16
		135	60	1342	1333	1345.5	15.5	13.45	15.5

nTT (SCB 30 MHz) Ant2									
BW	SCS Index	RB Size	1st RB Channel	1st RB Start	1st RB End	1st RB Center	RB Size	High	Max. Tx Power (dBm)
100MHz	DF-Tx-OFDM (PUSCH)	1	1	2346	2347	2346.5	20	23.46	20
		1	137	2450	2357	2355.5	20	23.55	20
		1	271	2450	2352	2352	20	23.52	20
		135	0	2352	2244	2242	24	22.42	24
		135	60	2352	2344	2344	24	23.44	24
		135	135	2249	2140	2138	24	21.38	24
	DF-Tx-OFDM (PDSCH)	270	0	2244	2242	2242.5	24	22.42	24
		1	137	2445	2352	2350.5	20	23.50	20
		1	271	2445	2348	2348	20	23.48	20
		135	0	2355	2247	2247	24	22.47	24
		135	60	2355	2347	2347	24	23.47	24
		135	135	2254	2145	2143	24	21.43	24
50MHz	DF-Tx-OFDM (PUSCH)	135	60	2309	2300	2304.5	20.5	23.04	20.5
		135	60	2214	2205	2218.5	20	22.18	20
		135	60	2119	2110	2123.5	19.5	21.23	19.5
		135	60	2024	2015	2027.5	19	20.27	19
		135	60	1929	1920	1932.5	18.5	19.32	18.5
		135	60	1834	1825	1837.5	18	18.37	18
	DF-Tx-OFDM (PDSCH)	270	0	1825	1816	1821.5	18	18.21	18
		135	60	1730	1721	1734.5	17.5	17.34	17.5
		135	60	1635	1626	1638.5	17	16.38	17
		135	60	1540	1531	1543.5	16.5	15.43	16.5
		135	60	1445	1436	1448.5	16	14.48	16
		135	60	1350	1341	1353.5	15.5	13.53	15.5

878 (SCB 30 MHz) Ant2									
BW	SCS Index	RB Size	1st RB Channel	1st RB Start	1st RB End	1st RB Center	RB Size	High	Max. Tx Power (dBm)
100MHz	DF-Tx-OFDM (PUSCH)	1	1	2331	2332	2331.5	20	23.31	20
		1	137	2435	2342	2340.5	20	23.40	20
		1	271	2435	2340	2340	20	23.40	20
		135	0	2340	2232	2230	24	22.30	24
		135	60	2340	2332	2332	24	23.32	24
		135	135	2237	2128	2126	24	21.26	24
	DF-Tx-OFDM (PDSCH)	270	0	2232	2230	2230.5	24	22.30	24
		1	137	2430	2337	2335.5	20	23.35	20
		1	271	2430	2334	2334	20	23.34	20
		135	0	2343	2235	2235	24	22.35	24
		135	60	2343	2335	2335	24	23.35	24
		135	135	2242	2133	2131	24	21.31	24
50MHz	DF-Tx-OFDM (PUSCH)	135	60	2295	2286	2290.5	20.5	22.90	20.5
		135	60	2200	2191	2195.5	20	21.95	20
		135	60	2105	2096	2109.5	19.5	21.09	19.5
		135	60	2010	2001	2013.5	19	20.13	19
		135	60	1915	1906	1918.5	18.5	19.18	18.5
		135	60	1820	1811	1823.5	18	18.23	18
	DF-Tx-OFDM (PDSCH)	270	0	1811	1802	1806.5	18	18.06	18
		135	60	1716	1707	1719.5	17.5	17.19	17.5
		135	60	1621	1612	1624.5	17	16.24	17
		135	60	1526	1517	1529.5	16.5	15.29	16.5
		135	60	1431	1422	1434.5	16	14.34	16
		135	60	1336	1327	1339.5	15.5	13.39	15.5

NR Default Power

n77 (SCS 15 kHz)_Ant3									
BW	MCS Index	RB Size		RB Offset			Max. Tune-up (dBm)		
		Channel	Low	Mid	High				
50M	DFT-s-OFDM P2/BPSK	Channel		631667	633334	635000	3500.01		
		Frequency (MHz)		3478.005	3500.01	3525			
		1	1	21.78	21.71	21.64		23	
		1	135	22.05	21.98	21.92		23	
		1	268	21.78	21.93	21.81		23	
		135	0	20.98	21.16	21.11		22	
		135	68	21.86	22.04	22.01		23	
		135	135	21.14	21.17	21.07		22	
		270	0	21.13	21.27	21.17		22	
		1	1	21.91	21.86	21.80		23	
	DFT-s-OFDM QPSK	Channel		631667	633334	635000	3500.01		
		Frequency (MHz)		3478.005	3500.01	3525			
		1	1	21.91	21.86	21.80		23	
		1	135	22.09	22.10	22.07		23	
		1	268	21.90	22.07	21.83		23	
		135	0	21.10	21.24	21.21		22	
		135	68	21.96	22.18	22.11		23	
		135	135	21.22	21.25	21.17		22	
		270	0	21.15	21.32	21.23		22	
		270	0	21.29	21.40	21.28		22	
DFT-s-OFDM 16QAM	Channel		631667	633334	635000	3500.01			
	Frequency (MHz)		3478.005	3500.01	3525				
DFT-s-OFDM 64QAM	Channel		631667	633334	635000	3500.01			
	Frequency (MHz)		3478.005	3500.01	3525				
DFT-s-OFDM 256QAM	Channel		631667	633334	635000	3500.01			
	Frequency (MHz)		3478.005	3500.01	3525				
BW	MCS Index	Channel		631334	633334	635333	Max. Tune-up		
Frequency (MHz)		3470.01	3500.01	3529.995					
40M	DFT-s-OFDM QPSK	108	54	22.05	22.01	21.94	23		
BW	MCS Index	Channel		630667	633334	635000	Max. Tune-up		
Frequency (MHz)		3460.005	3500.01	3540					
20M	DFT-s-OFDM QPSK	50	25	21.82	22.11	22.03	23		
BW	MCS Index	Channel		630999	633334	635196	Max. Tune-up		
Frequency (MHz)		3457.5	3500.01	3543.48					
15M	DFT-s-OFDM QPSK	36	18	21.80	22.07	22.09	23		
BW	MCS Index	Channel		630334	633334	635333	Max. Tune-up		
Frequency (MHz)		3445.01	3500.01	3544.995					
10M	DFT-s-OFDM QPSK	25	12	21.89	21.79	21.82	23		

n77 (SCS 15 kHz)_Ant3									
BW	MCS Index	RB Size		RB Offset			Max. Tune-up (dBm)		
		Channel	Low	Mid	High				
50M	DFT-s-OFDM P2/BPSK	Channel		648334	650000	651666	3500.01		
		Frequency (MHz)		3728.01	3840	3954.99			
		1	1	21.77	21.70	21.64		23	
		1	135	21.97	21.25	21.09		23	
		1	268	21.61	21.18	21.17		23	
		135	0	21.05	20.36	20.24		22	
		135	68	21.98	21.48	21.20		23	
		135	135	20.96	20.44	20.28		22	
		270	0	20.95	20.39	20.25		22	
		1	1	21.96	21.35	21.28		23	
	DFT-s-OFDM QPSK	Channel		648334	650000	651666	3500.01		
		Frequency (MHz)		3728.01	3840	3954.99			
		1	1	21.96	21.40	21.23		23	
		1	135	21.69	21.32	21.25		23	
		135	0	21.08	20.47	20.33		22	
		135	68	22.03	21.51	21.27		23	
		135	135	21.02	20.58	20.35		22	
		270	0	20.97	20.45	20.31		22	
		270	0	21.08	20.51	20.25		22	
		135	68	19.97	19.81	19.72		21.5	
DFT-s-OFDM 16QAM	Channel		648000	650000	654000	3500.01			
	Frequency (MHz)		3720	3840	3960				
40M	DFT-s-OFDM QPSK	108	54	21.90	21.33	21.21	23		
BW	MCS Index	Channel		647334	650000	654666	Max. Tune-up		
Frequency (MHz)		3716.01	3840	3959.99					
20M	DFT-s-OFDM QPSK	50	25	21.80	21.24	21.28	23		
BW	MCS Index	Channel		647667	650000	654833	Max. Tune-up		
Frequency (MHz)		3707.005	3840	3972.495					
15M	DFT-s-OFDM QPSK	36	18	21.97	21.44	21.14	23		
BW	MCS Index	Channel		647000	650000	655000	Max. Tune-up		
Frequency (MHz)		3708	3840	3975					
10M	DFT-s-OFDM QPSK	25	12	21.80	21.27	21.19	23		

n78 (SCS 15 kHz)_Ant3									
BW	MCS Index	RB Size		RB Offset			Max. Tune-up (dBm)		
		Channel	Low	Mid	High				
50M	DFT-s-OFDM P2/BPSK	Channel		631667	633334	635000	3500.01		
		Frequency (MHz)		3478.005	3500.01	3525			
		1	1	21.53	21.72	21.71		23	
		1	135	21.76	21.97	21.92		23	
		1	268	21.59	21.72	21.57		23	
		135	0	20.91	20.92	21.02		22	
		135	68	21.93	21.93	21.98		23	
		135	135	20.99	21.06	21.09		22	
		270	0	20.95	21.16	21.01		22	
		1	1	21.83	21.78	21.78		23	
	DFT-s-OFDM QPSK	Channel		631667	633334	635000	3500.01		
		Frequency (MHz)		3478.005	3500.01	3525			
		1	1	21.83	22.05	21.95		23	
		1	135	21.86	21.81	21.66		23	
		135	0	20.99	21.07	21.14		22	
		135	68	22.01	22.07	22.13		23	
		135	135	21.04	21.15	21.11		22	
		270	0	21.05	21.20	21.08		22	
		270	0	21.18	21.33	21.22		22	
		135	68	19.60	19.68	19.68		21.5	
DFT-s-OFDM 16QAM	Channel		631334	633334	635333	3500.01			
	Frequency (MHz)		3470.01	3500.01	3529.995				
40M	DFT-s-OFDM QPSK	108	54	21.57	21.66	21.73	23		
BW	MCS Index	Channel		630667	633334	635000	Max. Tune-up		
Frequency (MHz)		3460.005	3500.01	3540					
20M	DFT-s-OFDM QPSK	50	25	21.73	21.98	21.83	23		
BW	MCS Index	Channel		630999	633334	635196	Max. Tune-up		
Frequency (MHz)		3457.5	3500.01	3542.48					
15M	DFT-s-OFDM QPSK	36	18	21.67	21.78	21.52	23		
BW	MCS Index	Channel		630334	633334	635333	Max. Tune-up		
Frequency (MHz)		3455.01	3500.01	3544.995					
10M	DFT-s-OFDM QPSK	25	12	21.75	21.97	21.92	23		

n41 (SCS 15 kHz)_Ant3									
BW	MCS Index	RB Size		RB Offset			Max. Tune-up (dBm)		
		Channel	Low	Mid	High				
50M	DFT-s-OFDM P2/BPSK	Channel		614201	618601	623998	3500.01		
		Frequency (MHz)		2521.005	2593.005	2664.99			
		1	1	20.03	20.31	20.10		22	
		1	135	21.05	21.04	20.74		22	
		1	268	20.02	20.07	20.09		22	
		135	0	20.04	20.13	20.01		21	
		135	68	21.09	21.08	20.95		22	
		135	135	20.23	19.85	19.52		21	
		270	0	19.88	19.89	19.83		21	
		1	1	20.25	20.43	20.19		22	
	DFT-s-OFDM QPSK	Channel		614201	618601	623998	3500.01		
		Frequency (MHz)		2521.005	2593.005	2664.99			
		1	1	21.09	21.23	20.73		22	
		1	135	20.10	20.07	20.15		22	
		135	0	20.07	20.13	19.69		21	
		135	68	21.24	21.27	20.96		22	
		135	135	19.97	19.87	19.51		21	
		270	0	20.11	20.07	19.83		21	
		270	0	20.42	20.16	20.12		21	
		135	68	18.87	18.73	18.62		20.5	
DFT-s-OFDM 16QAM	Channel		613202	618601	624000	3500.01			
	Frequency (MHz)		2516.01	2593.005	2679				
40M	DFT-s-OFDM QPSK	108	54	21.18	21.09	20.70	22		
BW	MCS Index	Channel		612200	618601	624999	Max. Tune-up		
Frequency (MHz)		2511	2593.005	2674.995					
30M	DFT-s-OFDM QPSK	80	40	21.07	21.11	20.84	22		
BW	MCS Index	Channel		610201	618601	625998	Max. Tune-up		
Frequency (MHz)		2506.005	2593.005	2679.99					
20M	DFT-s-OFDM QPSK	50	25	21.15	21.32	20.73	22		
BW	MCS Index	Channel		610700	618601	626999	Max. Tune-up		
Frequency (MHz)		2503.5	2593.005	2682.495					
15M	DFT-s-OFDM QPSK	36	18	21.25	21.32	20.99	22		
BW	MCS Index	Channel		610202	618601	627000	Max. Tune-up		
Frequency (MHz)		2501.01	2593.005	2685					
10M	DFT-s-OFDM QPSK	25	12	21.05	21.09	20.62	22		

n48 (SCS 15 kHz)_Ant3									
BW	MCS Index	RB Size		RB Offset			Max. Tune-up (dBm)		
		Channel	Low	Mid	High				
50M	DFT-s-OFDM P2/BPSK	Channel		638334	641666	645000	3500.01		
		Frequency (MHz)		3576.01	3624.99	3675			
		1	1	18.04	18.23	18.07		20	
		1	135	18.90	19.08	19.05		20	
		1	268	18.27	18.47	18.76		20	
		135	0	17.89	17.94	18.03		19	
		135	68	19.03	19.06	19.28		20	
		135	135	18.01	18.30	18.20		19	
		270	0	17.88	17.98	18.01		19	
		1	1	18.25	18.39	18.24		20	
	DFT-s-OFDM QPSK	Channel		638334	641666	645000	3500.01		
		Frequency (MHz)		3576.01	3624.99	3675			
		1	1	18.94	19.09	19.01		20	
		1	135	18.55	18.64	18.69		20	
		135	0	17.96	17.81	17.88		19	
		135	68	19.09	19.14	19.37		20	
		135	135	18.15	18.26	18.27		19	
		270	0	17.81	18.11	18.01		19	
		270	0	18.18	18.15	18.22		19	
		135	68	16.90	16.85	17.05		18.5	
DFT-s-OFDM 16QAM	Channel		638000	641666	645332	3500.01			
	Frequency (MHz)		3570	3624.99	3679.98				
40M	DFT-s-OFDM QPSK	108	54	18.94	18.91	19.20	20		
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up		
Frequency (MHz)		3560.01	3624.99	3680					
20M	DFT-s-OFDM QPSK	50	25	18.95	19.13	19.23	20		
BW	MCS Index	Channel							

n41 (SCS 30 kHz) Ant3										
BW	MCS Index	RB Size RB Offset		Low	Mid	High	Max. Ture-up (dBm)	RB Size RB Offset		
		Channel	Frequency (MHz)					Channel	Frequency (MHz)	
100M	DFT-s-OFDM P2/BPSK	1	1	20.10	20.37	20.13	22	1	1	
		1	137	21.12	21.05	20.76	22	1	137	
		1	271	20.08	20.11	20.12	22	1	271	
		135	0	20.00	20.01	19.94	21	135	0	
		135	69	21.18	21.08	20.95	22	135	69	
		135	138	20.14	19.91	19.47	21	135	138	
		270	0	20.00	20.05	19.66	21	270	0	
		1	1	20.22	20.43	20.14	22	1	1	
		1	137	21.14	21.26	20.73	22	1	137	
		1	271	20.05	20.14	20.07	22	1	271	
		135	0	20.03	20.13	19.67	21	135	0	
		135	69	21.18	21.08	20.95	22	135	69	
	135	138	19.98	19.96	19.52	21	135	138		
	270	0	20.04	20.09	19.62	21	270	0		
	135	69	20.39	20.23	20.21	21	135	69		
	135	69	18.93	18.72	18.54	20.5	135	69		
	135	69	17.04	17.12	16.75	18.5	135	69		
	135	69	20.29	20.29	20.21	21	135	69		
	90M	DFT-s-OFDM QPSK	120	63	20.85	21.01	20.43	22	120	63
	BW	MCS Index	Channel	Frequency (MHz)	2541	2592.99	2644.98	Max. Ture-up	2541	2592.99
	BW	MCS Index	Channel	Frequency (MHz)	5972.04	6189.8	6299.8	Max. Ture-up	5972.04	6189.8
	BW	MCS Index	Channel	Frequency (MHz)	2536.02	2592.99	2644.98	Max. Ture-up	2536.02	2592.99
	80M	DFT-s-OFDM QPSK	108	55	20.93	21.04	20.44	22	108	55
	BW	MCS Index	Channel	Frequency (MHz)	5962.02	6189.8	6310.00	Max. Ture-up	5962.02	6189.8
BW	MCS Index	Channel	Frequency (MHz)	2531.01	2592.99	2655	Max. Ture-up	2531.01	2592.99	
70M	DFT-s-OFDM QPSK	90	50	20.93	20.95	20.72	22	90	50	
BW	MCS Index	Channel	Frequency (MHz)	5952.00	6189.8	6319.6	Max. Ture-up	5952.00	6189.8	
60M	DFT-s-OFDM QPSK	81	41	20.84	20.90	20.65	22	81	41	
BW	MCS Index	Channel	Frequency (MHz)	5942.04	6189.8	6329.8	Max. Ture-up	5942.04	6189.8	
50M	DFT-s-OFDM QPSK	64	35	20.87	20.99	20.67	22	64	35	
BW	MCS Index	Channel	Frequency (MHz)	5932.02	6189.8	6340.00	Max. Ture-up	5932.02	6189.8	
40M	DFT-s-OFDM QPSK	50	28	20.95	20.93	20.69	22	50	28	
BW	MCS Index	Channel	Frequency (MHz)	5922.00	6189.8	6349.6	Max. Ture-up	5922.00	6189.8	
30M	DFT-s-OFDM QPSK	36	21	20.84	20.91	20.71	22	36	21	
BW	MCS Index	Channel	Frequency (MHz)	5912.04	6189.8	6359.8	Max. Ture-up	5912.04	6189.8	
20M	DFT-s-OFDM QPSK	25	13	20.86	21.02	20.51	22	25	13	
BW	MCS Index	Channel	Frequency (MHz)	5902.00	6189.8	6369.6	Max. Ture-up	5902.00	6189.8	
15M	DFT-s-OFDM QPSK	18	10	20.89	20.86	20.69	22	18	10	
BW	MCS Index	Channel	Frequency (MHz)	5892.02	6189.8	6370.00	Max. Ture-up	5892.02	6189.8	
10M	DFT-s-OFDM QPSK	12	6	20.81	20.79	20.74	22	12	6	

n48 (SCS 30 kHz) Ant3										
BW	MCS Index	RB Size RB Offset		Low	Mid	High	Max. Ture-up (dBm)	RB Size RB Offset		
		Channel	Frequency (MHz)					Channel	Frequency (MHz)	
100M	DFT-s-OFDM P2/BPSK	1	1	18.22	18.46	18.42	20	1	1	
		1	137	19.20	19.33	19.22	20	1	137	
		1	271	18.46	18.70	18.66	20	1	271	
		135	0	18.17	18.23	18.17	19	135	0	
		135	69	19.20	19.40	19.32	20	135	69	
		135	138	18.21	18.36	18.43	19	135	138	
		270	0	18.08	18.03	18.01	19	270	0	
		1	1	18.47	18.52	18.50	20	1	1	
		1	137	19.13	19.23	19.26	20	1	137	
		1	271	18.62	18.76	18.91	20	1	271	
		135	0	18.18	18.04	18.02	19	135	0	
		135	69	19.20	19.40	19.32	20	135	69	
	135	138	18.29	18.33	18.55	19	135	138		
	270	0	18.12	18.21	18.24	19	270	0		
	135	69	18.25	18.35	18.43	19	135	69		
	135	69	16.93	16.99	17.06	18.5	135	69		
	135	69	14.98	14.93	14.98	16.5	135	69		
	135	69	20.29	20.29	20.21	21	135	69		
	90M	DFT-s-OFDM QPSK	120	63	19.18	19.30	19.15	20	120	63
	BW	MCS Index	Channel	Frequency (MHz)	6396.0	6416.6	6436.6	Max. Ture-up	6396.0	6416.6
	BW	MCS Index	Channel	Frequency (MHz)	6393.34	6416.6	6440.00	Max. Ture-up	6393.34	6416.6
	BW	MCS Index	Channel	Frequency (MHz)	3990.01	3624.99	3660	Max. Ture-up	3990.01	3624.99
	80M	DFT-s-OFDM QPSK	108	55	19.07	19.27	19.23	20	108	55
	BW	MCS Index	Channel	Frequency (MHz)	6390.00	6416.6	6443.32	Max. Ture-up	6390.00	6416.6
BW	MCS Index	Channel	Frequency (MHz)	3885	3624.99	3664.8	Max. Ture-up	3885	3624.99	
70M	DFT-s-OFDM QPSK	90	50	19.12	19.11	19.13	20	90	50	
BW	MCS Index	Channel	Frequency (MHz)	6386.6	6416.6	6446.6	Max. Ture-up	6386.6	6416.6	
60M	DFT-s-OFDM QPSK	81	41	19.07	19.21	19.15	20	81	41	
BW	MCS Index	Channel	Frequency (MHz)	6380.02	6424.99	6459.99	Max. Ture-up	6380.02	6424.99	
50M	DFT-s-OFDM QPSK	64	35	19.15	19.17	19.22	20	64	35	
BW	MCS Index	Channel	Frequency (MHz)	6376.01	6424.99	6459.99	Max. Ture-up	6376.01	6424.99	
40M	DFT-s-OFDM QPSK	50	28	19.19	19.30	19.31	20	50	28	
BW	MCS Index	Channel	Frequency (MHz)	6370.00	6416.6	6456.6	Max. Ture-up	6370.00	6416.6	
30M	DFT-s-OFDM QPSK	36	21	19.10	19.13	19.19	20	36	21	
BW	MCS Index	Channel	Frequency (MHz)	6364.04	6416.6	6460.00	Max. Ture-up	6364.04	6416.6	
20M	DFT-s-OFDM QPSK	25	13	19.05	19.19	19.07	20	25	13	
BW	MCS Index	Channel	Frequency (MHz)	6357.68	6416.6	6466.6	Max. Ture-up	6357.68	6416.6	
15M	DFT-s-OFDM QPSK	18	10	19.18	19.24	19.24	20	18	10	
BW	MCS Index	Channel	Frequency (MHz)	6352.00	6424.99	6464.8	Max. Ture-up	6352.00	6424.99	
10M	DFT-s-OFDM QPSK	12	6	19.22	19.18	19.09	20	12	6	

n78 (SCS 30 kHz) Ant3										
BW	MCS Index	RB Size RB Offset		Mid	High	Max. Ture-up (dBm)	RB Size RB Offset			
		Channel	Frequency (MHz)				Channel	Frequency (MHz)		
100M	DFT-s-OFDM P2/BPSK	1	1	21.43	21.43	21.43	23	1	1	
		1	137	22.17	22.17	22.17	23	1	137	
		1	271	21.22	21.22	21.22	23	1	271	
		135	0	21.39	21.39	21.39	22	135	0	
		135	69	22.41	22.41	22.41	23	135	69	
		135	138	21.06	21.06	21.06	22	135	138	
		270	0	21.33	21.33	21.33	22	270	0	
		1	1	21.44	21.44	21.44	23	1	1	
		1	137	22.21	22.21	22.21	23	1	137	
		1	271	21.36	21.36	21.36	23	1	271	
		135	0	21.14	21.14	21.14	22	135	0	
		135	69	22.41	22.41	22.41	23	135	69	
	135	138	21.14	21.14	21.14	22	135	138		
	270	0	21.15	21.15	21.15	22	270	0		
	135	69	21.27	21.27	21.27	22	135	69		
	135	69	20.86	20.86	20.86	21.5	135	69		
	135	69	18.71	18.71	18.71	19.5	135	69		
	90M	DFT-s-OFDM QPSK	120	63	22.29	22.37	22.23	23	120	63
	BW	MCS Index	Channel	Frequency (MHz)	6396.0	6333.4	6366.6	Max. Ture-up	6396.0	6333.4
	BW	MCS Index	Channel	Frequency (MHz)	6326.6	6333.4	6340.00	Max. Ture-up	6326.6	6333.4
	BW	MCS Index	Channel	Frequency (MHz)	3490.02	3500.01	3510	Max. Ture-up	3490.02	3500.01
	80M	DFT-s-OFDM QPSK	108	55	22.17	22.21	22.25	23	108	55
	BW	MCS Index	Channel	Frequency (MHz)	6323.4	6333.4	6343.32	Max. Ture-up	6323.4	6333.4
	BW	MCS Index	Channel	Frequency (MHz)	3485.01	3500.01	3514.98	Max. Ture-up	3485.01	3500.01
70M	DFT-s-OFDM QPSK	90	50	22.35	22.47	22.39	23	90	50	
BW	MCS Index	Channel	Frequency (MHz)	6320.00	6333.4	6346.6	Max. Ture-up	6320.00	6333.4	
60M	DFT-s-OFDM QPSK	81	41	22.07	22.42	22.35	23	81	41	
BW	MCS Index	Channel	Frequency (MHz)	6316.68	6333.4	6350.00	Max. Ture-up	6316.68	6333.4	
50M	DFT-s-OFDM QPSK	64	35	22.39	22.41	22.34	23	64	35	
BW	MCS Index	Channel	Frequency (MHz)	6313.34	6333.4	6353.32	Max. Ture-up	6313.34	6333.4	
40M	DFT-s-OFDM QPSK	50	28	22.40	22.36	22.44	23	50	28	
BW	MCS Index	Channel	Frequency (MHz)	6306.6	6333.4	6360.00	Max. Ture-up	6306.6	6333.4	
20M	DFT-s-OFDM QPSK	25	13	22.19	22.39	22.42	23	25	13	
BW	MCS Index	Channel	Frequency (MHz)	6300.00	6333.4	6366.6	Max. Ture-up	6300.00	6333.4	
15M	DFT-s-OFDM QPSK	18	10	22.27	22.40	22.45	23	18	10	
BW	MCS Index	Channel	Frequency (MHz)	6303.34	6333.4	6363.32	Max. Ture-up	6303.34	6333.4	
10M	DFT-s-OFDM QPSK	12	6	22.38	22.37	22.42	23	12	6	

n77 (SCS 30 kHz) Ant3									
BW	MCS Index	RB Size RB Offset		Mid	High	Max. Ture-up (dBm)	RB Size RB Offset		
		Channel	Frequency (MHz)				Channel	Frequency (MHz)	
100M	DFT-s-OFDM P2/BPSK	1	1	21.54	21.54	21.54	23	1	1
		1	137	22.33	22.33	22.33	23	1	137
		1	271	21.40	21.40</				

NR Default Power

n2 (SCS 30 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	37200	37600	38000	
20M	DFT-s-OFDM P2/BPSK	1	1	23.07	23.16	23.08	24.5
		1	26	23.20	23.13	23.07	24.5
		1	49	23.10	23.06	23.06	24.5
		25	0	22.75	22.83	22.73	23.5
		25	13	23.82	23.76	23.74	24.5
	DFT-s-OFDM QPSK	1	1	23.22	23.26	23.15	24.5
		1	26	23.32	23.17	23.14	24.5
		1	49	23.21	23.10	23.18	24.5
		25	0	22.84	22.86	22.88	23.5
		25	13	23.86	23.85	23.83	24.5
	DFT-s-OFDM 16QAM	1	1	22.94	22.89	22.83	23.5
		25	0	22.80	22.91	22.78	23.5
		25	13	22.95	22.84	22.89	23.5
		25	13	21.43	21.39	21.31	23
		25	13	19.60	19.50	19.54	21
BW	MCS Index	Channel	37100	37600	38000	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	9	23.79	23.78	23.72	24.5
BW	MCS Index	Channel	37100	37600	38000	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	23.74	23.71	23.75	24.5

n7 (SCS 30 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	50000	50700	50900	
50M	DFT-s-OFDM P2/BPSK	1	1	23.27	23.13	23.06	24.5
		1	67	23.23	23.11	23.21	24.5
		1	131	23.03	23.09	23.21	24.5
		64	0	22.84	22.83	22.81	23.5
		64	35	23.87	23.86	23.83	24.5
	DFT-s-OFDM QPSK	1	1	22.92	22.78	22.85	23.5
		128	0	22.76	22.89	22.74	23.5
		1	1	23.28	23.16	23.14	24.5
		1	67	23.38	23.17	23.31	24.5
		1	131	23.13	23.18	23.22	24.5
	DFT-s-OFDM 16QAM	64	0	22.94	22.95	22.89	23.5
		64	35	24.00	23.98	23.99	24.5
		64	69	22.91	22.86	22.71	23.5
		128	0	22.89	22.91	22.83	23.5
		64	35	23.05	23.03	23.06	23.5
BW	MCS Index	Channel	50500	50700	50900	Max. Tune-up	
40M	DFT-s-OFDM QPSK	50	25	23.93	23.82	23.88	24.5
BW	MCS Index	Channel	50900	50700	51000	Max. Tune-up	
30M	DFT-s-OFDM QPSK	36	18	23.81	23.84	23.79	24.5
BW	MCS Index	Channel	50200	50700	51000	Max. Tune-up	
25M	DFT-s-OFDM QPSK	32	16	23.95	23.84	23.89	24.5
BW	MCS Index	Channel	50200	50700	51200	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	12	23.93	23.88	23.82	24.5
BW	MCS Index	Channel	50100	50700	51200	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	9	23.92	23.85	23.85	24.5
BW	MCS Index	Channel	50100	50700	51300	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	23.80	23.86	23.87	24.5

n66 (SCS 30 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	34800	34900	35000	
40M	DFT-s-OFDM P2/BPSK	1	1	23.18	23.09	23.04	25
		1	50	23.40	23.29	23.36	25
		1	104	23.13	23.11	23.12	25
		50	0	22.86	22.88	22.87	24
		50	28	24.01	23.90	23.92	25
	DFT-s-OFDM QPSK	50	56	22.74	22.88	22.93	24
		100	0	22.86	22.87	22.87	24
		1	1	23.29	23.15	23.11	25
		1	50	23.44	23.38	23.40	25
		1	104	23.18	23.21	23.17	25
	DFT-s-OFDM 16QAM	50	0	22.92	22.96	22.95	24
		50	28	24.06	24.03	24.02	25
		50	56	22.82	22.87	22.73	24
		100	0	22.89	22.98	22.91	24
		50	28	23.04	23.07	23.05	24
BW	MCS Index	Channel	34900	34900	35000	Max. Tune-up	
35M	DFT-s-OFDM QPSK	45	22	23.81	23.88	23.87	25
BW	MCS Index	Channel	34900	34900	35000	Max. Tune-up	
30M	DFT-s-OFDM QPSK	36	18	23.75	23.82	23.84	25
BW	MCS Index	Channel	34400	34900	35000	Max. Tune-up	
30M	DFT-s-OFDM QPSK	36	18	23.75	23.82	23.84	25
BW	MCS Index	Channel	34400	34900	35000	Max. Tune-up	
25M	DFT-s-OFDM QPSK	32	16	23.78	23.86	23.88	25
BW	MCS Index	Channel	34400	34900	35400	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	12	23.71	23.96	23.89	25
BW	MCS Index	Channel	34300	34900	35400	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	9	23.92	23.98	23.90	25
BW	MCS Index	Channel	34300	34900	35600	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	23.79	23.82	23.80	25

n38 (SCS 15 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	51000	51900	52000	
40M	DFT-s-OFDM P2/BPSK	1	1	22.87	22.80	22.85	24.5
		1	105	23.21	23.33	23.23	24.5
		1	214	22.60	22.81	22.64	24.5
		108	0	22.16	22.17	22.32	23.5
		108	54	23.25	23.28	23.35	24.5
	DFT-s-OFDM QPSK	108	108	22.22	22.24	22.23	23.5
		216	0	22.34	22.16	22.19	23.5
		1	1	22.92	22.87	22.88	24.5
		1	105	23.26	23.35	23.36	24.5
		1	214	22.70	22.85	22.77	24.5
	DFT-s-OFDM 16QAM	108	0	22.31	22.28	22.33	23.5
		108	54	23.36	23.34	23.38	24.5
		108	108	22.32	22.33	22.34	23.5
		216	0	22.40	22.25	22.32	23.5
		108	54	22.45	22.42	22.45	23.5
BW	MCS Index	Channel	51700	51900	52000	Max. Tune-up	
30M	DFT-s-OFDM QPSK	80	40	23.24	23.30	23.28	24.5
BW	MCS Index	Channel	51600	51900	52100	Max. Tune-up	
30M	DFT-s-OFDM QPSK	80	40	23.19	23.24	23.30	24.5
BW	MCS Index	Channel	51600	51900	52200	Max. Tune-up	
25M	DFT-s-OFDM QPSK	64	32	23.19	23.24	23.30	24.5
BW	MCS Index	Channel	51600	51900	52300	Max. Tune-up	
20M	DFT-s-OFDM QPSK	50	25	23.32	23.24	23.36	24.5
BW	MCS Index	Channel	51500	51900	52300	Max. Tune-up	
15M	DFT-s-OFDM QPSK	36	18	23.28	23.22	23.34	24.5
BW	MCS Index	Channel	51500	51900	52300	Max. Tune-up	
10M	DFT-s-OFDM QPSK	25	12	23.25	23.22	23.31	24.5
BW	MCS Index	Channel	51400	51900	52300	Max. Tune-up	
5M	DFT-s-OFDM QPSK	12	6	23.18	23.28	23.29	24.5

n41 (SCS 15 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)	52400	51801	52000	
50M	DFT-s-OFDM P2/BPSK	1	1	23.49	23.44	23.55	24.5
		1	135	23.75	23.63	23.71	24.5
		1	268	23.59	23.52	23.59	24.5
		135	0	22.81	22.73	22.88	23.5
		135	68	23.76	23.77	23.74	24.5
	DFT-s-OFDM QPSK	135	135	22.70	22.67	22.67	23.5
		270	0	22.84	22.84	22.71	23.5
		1	1	23.81	23.56	23.63	24.5
		1	135	23.85	23.74	23.81	24.5
		1	268	23.64	23.54	23.62	24.5
	DFT-s-OFDM 16QAM	135	0	22.86	22.75	22.78	23.5
		135	68	23.81	23.86	23.89	24.5
		135	135	22.79	22.77	22.78	23.5
		270	0	22.86	22.87	22.84	23.5
		135	68	22.94	22.89	22.93	23.5
BW	MCS Index	Channel	52000	51801	52000	Max. Tune-up	
40M	DFT-s-OFDM QPSK	108	54	23.75	23.68	23.66	24.5
BW	MCS Index	Channel	52200	51801	52000	Max. Tune-up	
30M	DFT-s-OFDM QPSK	80	40	23.88	23.83	23.78	24.5
BW	MCS Index	Channel	52100	51801	52000	Max. Tune-up	
20M	DFT-s-OFDM QPSK	50	25	23.77	23.85	23.74	24.5
BW	MCS Index	Channel	52000	51801	52000	Max. Tune-up	
15M	DFT-s-OFDM QPSK	36	18	23.74	23.69	23.67	24.5
BW	MCS Index	Channel	52000	51801	52000	Max. Tune-up	
10M	DFT-s-OFDM QPSK	25	12	23.80	23.82	23.80	24.5

n2 (SCS 15 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	22.91	23.31	22.90	24.5
		1	53	23.05	23.47	22.82	24.5
		1	104	22.94	23.28	22.81	24.5
		50	0	22.63	22.61	22.77	23.5
		50	28	23.77	23.75	23.71	24.5
		50	56	22.68	22.76	22.59	23.5
	DFT-s-OFDM QPSK	100	0	22.63	22.62	22.78	23.5
		1	1	23.03	23.42	22.91	24.5
		1	53	23.12	23.54	22.95	24.5
		1	104	23.04	23.42	22.83	24.5
		50	0	22.72	22.75	22.79	23.5
		50	28	23.81	23.84	23.73	24.5
	DFT-s-OFDM 16QAM	50	56	22.76	22.86	22.66	23.5
		100	0	22.71	22.79	22.77	23.5
		50	28	22.79	22.72	22.74	23.5
DFT-s-OFDM 64QAM	50	28	21.42	21.33	21.39	23	
	50	28	19.50	19.41	19.47	21	
DFT-s-OFDM 256QAM	50	28	19.50	19.41	19.47	21	
	50	28	19.50	19.41	19.47	21	
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		1857.5	1880	1902.5	
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		1855	1880	1905	
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		1852.5	1880	1907.5	

n5 (SCS 15 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.24	24.52	24.10	25
		1	53	24.58	24.54	24.34	25
		1	104	24.31	24.36	24.05	25
		50	0	23.28	23.38	23.50	24
		50	28	24.52	24.53	24.51	25
		50	56	23.21	23.48	23.44	24
	DFT-s-OFDM QPSK	100	0	23.33	23.37	23.45	24
		1	1	24.26	24.33	24.15	25
		1	53	24.49	24.56	24.37	25
		1	104	24.38	24.49	24.15	25
		50	0	23.39	23.42	23.52	24
		50	28	24.53	24.64	24.59	25
	DFT-s-OFDM 16QAM	50	56	23.35	23.52	23.56	24
		100	0	23.41	23.51	23.52	24
		50	28	23.58	23.60	23.58	24
DFT-s-OFDM 64QAM	50	28	22.03	22.05	22.10	23.5	
	50	28	20.00	20.09	20.07	21.5	
DFT-s-OFDM 256QAM	50	28	20.00	20.09	20.07	21.5	
	50	28	20.00	20.09	20.07	21.5	
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		831.5	836.5	841.5	
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		829	836.5	844	
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		826.5	836.5	846.5	

n7 (SCS 15 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		505000	507000	509000	
		Frequency (MHz)		2525	2535	2545	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	23.37	23.22	23.26	24.5
		1	135	23.42	23.50	23.44	24.5
		1	268	23.18	23.24	23.26	24.5
		135	0	22.92	22.92	22.79	23.5
		135	68	23.98	23.92	23.95	24.5
		135	135	23.02	22.84	22.75	23.5
	DFT-s-OFDM QPSK	270	0	22.88	22.83	22.78	23.5
		1	1	23.49	23.36	23.33	24.5
		1	135	23.57	23.52	23.45	24.5
		1	268	23.29	23.26	23.30	24.5
		135	0	22.97	23.00	22.94	23.5
		135	68	24.04	24.03	23.99	24.5
	DFT-s-OFDM 16QAM	135	135	23.03	22.99	22.84	23.5
		270	0	23.02	22.91	22.85	23.5
		135	68	23.07	23.03	23.03	23.5
DFT-s-OFDM 64QAM	135	68	21.60	21.61	21.57	23	
	135	68	19.68	19.54	19.59	21	
DFT-s-OFDM 256QAM	135	68	19.68	19.54	19.59	21	
	135	68	19.68	19.54	19.59	21	
BW	MCS Index	Channel		503500	507000	510500	Max. Tune-up
40M	DFT-s-OFDM QPSK	Frequency (MHz)		2517.5	2535	2552.5	
BW	MCS Index	Channel		503000	507000	511000	Max. Tune-up
30M	DFT-s-OFDM QPSK	Frequency (MHz)		2515	2535	2555	
BW	MCS Index	Channel		502500	507000	511500	Max. Tune-up
25M	DFT-s-OFDM QPSK	Frequency (MHz)		2512.5	2535	2557.5	
BW	MCS Index	Channel		502000	507000	512000	Max. Tune-up
20M	DFT-s-OFDM QPSK	Frequency (MHz)		2510	2535	2560	
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		2507.5	2535	2562.5	
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		2505	2535	2565	
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		2502.5	2535	2567.5	

n12 (SCS 15 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		141300	141500	141700	
		Frequency (MHz)		706.5	707.5	708.5	
15M	DFT-s-OFDM Pi/2 BPSK	1	1	23.63	23.57	23.74	25
		1	38	23.68	23.53	23.73	25
		1	77	23.52	23.55	23.64	25
		36	0	22.52	22.84	22.72	24
		36	22	23.77	23.84	23.81	25
		36	43	22.72	22.69	22.68	24
	DFT-s-OFDM QPSK	75	0	22.94	22.91	22.93	24
		1	1	23.73	23.64	23.66	25
		1	38	23.71	23.80	23.72	25
		1	77	23.63	23.59	23.48	25
		36	0	22.76	22.78	22.79	24
		36	22	23.78	23.92	23.88	25
	DFT-s-OFDM 16QAM	36	43	22.90	22.71	22.79	24
		75	0	22.74	22.77	22.69	24
		1	1	22.85	22.84	22.74	24
DFT-s-OFDM 64QAM	1	1	21.66	21.66	21.53	23.5	
	1	1	19.62	19.54	19.54	21.5	
DFT-s-OFDM 256QAM	1	1	19.62	19.54	19.54	21.5	
	1	1	19.62	19.54	19.54	21.5	
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		704	707.5	711	
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		701.5	707.5	713.5	

n26 (SCS 15 kHz) Ant4								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel			164900	166300		167800
		Frequency (MHz)			824	831.5		839
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.70	23.96	23.84	25	
		1	53	23.74	23.89	23.94	25	
		1	104	23.58	23.87	23.70	25	
		50	0	22.82	22.93	22.84	24	
		50	28	24.01	24.05	24.07	25	
		50	56	22.93	22.96	22.98	24	
		100	0	22.98	23.11	22.86	24	
		DFT-s-OFDM QPSK	1	1	23.84	23.91	23.66	25
			1	53	23.87	24.03	23.98	25
	1		104	23.73	23.99	23.84	25	
	50		0	22.86	23.01	22.96	24	
	50		28	24.12	24.20	24.09	25	
	50		56	23.04	22.98	23.07	24	
	100		0	22.94	23.04	22.99	24	
	DFT-s-OFDM 16QAM		50	28	23.06	23.10	23.08	24
	DFT-s-OFDM 64QAM		50	28	21.62	21.63	21.56	23.5
	DFT-s-OFDM 256QAM	50	28	19.63	19.62	19.58	21.5	
	BW	MCS Index	Channel			166300	166300	168300
		Frequency (MHz)			821.5	831.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	23.85	23.98	23.89	25	
BW	MCS Index	Channel			163800	166300	168800	Max. Tune-up
		Frequency (MHz)			819	831.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.02	24.08	24.04	25	
BW	MCS Index	Channel			163300	166300	169300	Max. Tune-up
		Frequency (MHz)			816.5	831.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	23.77	24.00	23.92	25	

n38 (SCS 30 kHz) Ant4								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel			518000	519000		520000
		Frequency (MHz)			2590	2595		2600
40M	DFT-s-OFDM Pi/2 BPSK	1	1	22.98	23.11	22.97	24.5	
		1	53	23.57	23.36	23.45	24.5	
		1	104	22.78	22.86	22.74	24.5	
		50	0	22.37	22.46	22.33	23.5	
		50	28	23.49	23.54	23.51	24.5	
		50	56	22.37	22.38	22.36	23.5	
		100	0	22.48	22.29	22.45	23.5	
		DFT-s-OFDM QPSK	1	1	23.03	23.04	23.00	24.5
			1	53	23.52	23.51	23.54	24.5
	1		104	22.93	22.88	22.88	24.5	
	50		0	22.45	22.43	22.45	23.5	
	50		28	23.51	23.55	23.59	24.5	
	50		56	22.41	22.39	22.44	23.5	
	100		0	22.50	22.42	22.58	23.5	
	DFT-s-OFDM 16QAM		50	28	22.70	22.52	22.74	23.5
	DFT-s-OFDM 64QAM		50	28	21.62	21.67	21.54	23
	DFT-s-OFDM 256QAM	50	28	19.61	19.78	19.64	21	
	BW	MCS Index	Channel			517000	519000	521000
		Frequency (MHz)			2585	2595	2605	
30M	DFT-s-OFDM QPSK	36	21	23.36	23.29	23.41	24.5	
BW	MCS Index	Channel			516500	519000	521500	Max. Tune-up
		Frequency (MHz)			2582.5	2595	2607.5	
25M	DFT-s-OFDM QPSK	32	17	23.27	23.46	23.44	24.5	
BW	MCS Index	Channel			516000	519000	522000	Max. Tune-up
		Frequency (MHz)			2580	2595	2610	
20M	DFT-s-OFDM QPSK	25	13	23.43	23.32	23.45	24.5	
BW	MCS Index	Channel			515500	519000	522500	Max. Tune-up
		Frequency (MHz)			2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	18	10	23.46	23.43	23.28	24.5	
BW	MCS Index	Channel			515000	519000	523000	Max. Tune-up
		Frequency (MHz)			2575	2595	2615	
10M	DFT-s-OFDM QPSK	12	6	23.46	23.44	23.47	24.5	

n41 (SCS 30 kHz) Ant4								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel			509202	518598		528000
		Frequency (MHz)			2546.01	2592.99		2640
100M	DFT-s-OFDM Pi/2 BPSK	1	1	23.17	23.08	22.93	24.5	
		1	137	23.95	23.90	23.92	24.5	
		1	271	22.89	23.16	23.05	24.5	
		135	0	22.54	22.78	22.55	23.5	
		135	69	24.05	23.91	23.88	24.5	
		135	138	22.63	22.87	22.74	23.5	
		270	0	22.61	22.84	22.57	23.5	
		DFT-s-OFDM QPSK	1	1	23.11	23.12	22.96	24.5
			1	137	23.84	24.04	23.85	24.5
	1		271	22.96	23.24	23.07	24.5	
	135		0	22.69	22.84	22.66	23.5	
	135		69	23.85	24.06	23.94	24.5	
	135		138	22.66	22.92	22.76	23.5	
	270		0	22.70	22.87	22.71	23.5	
	DFT-s-OFDM 16QAM		135	69	22.93	22.94	22.98	23.5
	DFT-s-OFDM 64QAM		135	69	21.63	21.71	21.57	23
	DFT-s-OFDM 256QAM	135	69	19.71	19.62	19.55	21	
	BW	MCS Index	Channel			508200	518598	528996
		Frequency (MHz)			2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	120	63	23.77	23.88	23.87	24.5	
BW	MCS Index	Channel			507204	518598	529998	Max. Tune-up
		Frequency (MHz)			2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	108	55	23.84	23.91	23.67	24.5	
BW	MCS Index	Channel			506202	518598	531000	Max. Tune-up
		Frequency (MHz)			2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	90	50	23.80	23.95	23.72	24.5	
BW	MCS Index	Channel			505200	518598	531996	Max. Tune-up
		Frequency (MHz)			2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	81	41	23.69	23.97	23.86	24.5	
BW	MCS Index	Channel			504204	518598	532998	Max. Tune-up
		Frequency (MHz)			2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	64	35	23.71	23.99	23.87	24.5	
BW	MCS Index	Channel			503202	518598	534000	Max. Tune-up
		Frequency (MHz)			2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	50	28	23.82	23.93	23.88	24.5	
BW	MCS Index	Channel			502200	518598	534996	Max. Tune-up
		Frequency (MHz)			2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	36	21	23.96	24.02	23.82	24.5	
BW	MCS Index	Channel			501204	518598	535998	Max. Tune-up
		Frequency (MHz)			2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	25	13	23.83	23.93	23.87	24.5	
BW	MCS Index	Channel			500700	518598	536496	Max. Tune-up
		Frequency (MHz)			2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	18	10	23.76	23.96	23.84	24.5	
BW	MCS Index	Channel			500202	518598	537000	Max. Tune-up
		Frequency (MHz)			2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	12	6	23.73	24.04	23.89	24.5	

n66 (SCS 15 kHz) Ant4								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel			346000	349000		352000
		Frequency (MHz)			1730	1745		1760
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.25	23.39	23.12	25	
		1	107	23.73	23.92	23.77	25	
		1	214	23.18	23.02	23.16	25	
		108	0	22.83	22.86	22.84	24	
		108	54	23.99	24.09	23.87	25	
		108	108	22.66	22.56	22.67	24	
		216	0	22.70	22.80	22.62	24	
		DFT-s-OFDM QPSK	1	1	23.40	23.33	23.21	25
			1	107	23.82	23.94	23.80	25
	1		214	23.26	23.17	23.20	25	
	108		0	22.85	22.98	22.89	24	
	108		54	24.04	24.18	23.94	25	
	108		108	22.80	23.01	22.71	24	
	216		0	22.81	22.88	22.75	24	
	DFT-s-OFDM 16QAM		108	54	22.77	22.84	22.67	24
	DFT-s-OFDM 64QAM		108	54	21.62	21.74	21.59	23.5
	DFT-s-OFDM 256QAM	108	54	19.87	19.90	19.91	21.5	
	BW	MCS Index	Channel			345500	349000	352500
		Frequency (MHz)			1727.5	1745	1762.5	
35M	DFT-s-OFDM QPSK	90	49	23.99	24.09	23.87	25	
BW	MCS Index	Channel			345000	349000	353000	Max. Tune-up
		Frequency (MHz)			1725	1745	1765	
30M	DFT-s-OFDM QPSK	80	40	23.92	24.12	23.91	25	
BW	MCS Index	Channel			344500	349000	353500	Max. Tune-up
		Frequency (MHz)			1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	64	35	23.80	24.00	23.87	25	
BW	MCS Index	Channel			344000	349000	354000	Max. Tune-up
		Frequency (MHz)			1720	1745	1770	
20M	DFT-s-OFDM QPSK	50	28	23.81	24.03	23.93	25	
BW	MCS Index	Channel			343500	349000	354500	Max. Tune-up
		Frequency (MHz)			1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	36	22	24.01	24.07	23.90	25	
BW	MCS Index	Channel			343000	349000	355000	Max. Tune-up
		Frequency (MHz)			1715	1745	1775	
10M	DFT-s-OFDM QPSK	25	14	23.87	23.95	23.95	25	
BW	MCS Index	Channel			342500	349000	355500	Max. Tune-up
		Frequency (MHz)			1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	12	7	23.89	23.92	23.88	25	

NR Default Power

n77 (SCS 15 kHz)_Ant7										
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)	Channel		
		RB Offset	Frequency (MHz)					RB Offset	Frequency (MHz)	
50M	DFT-s-OFDM P2/BPSK	1	1	23.08	23.91	24.12	25.5	3478.005	3500.91	3525
		1	135	23.50	24.23	24.36	25.5			
		1	268	24.08	24.24	24.09	25.5			
		135	0	23.18	23.26	23.51	24.5			
		135	68	24.05	24.38	24.29	25.5			
		135	135	23.30	23.57	23.43	24.5			
		270	0	23.32	23.57	23.51	24.5			
		270	1	23.73	23.97	24.15	25.5			
	DFT-s-OFDM QPSK	1	1	24.05	24.30	24.40	25.5			
		1	268	24.07	24.28	24.17	25.5			
		135	0	23.19	23.39	23.64	24.5			
		135	68	24.10	24.45	24.41	25.5			
		135	135	23.37	23.58	23.67	24.5			
		270	0	23.35	23.71	23.60	24.5			
		270	1	24.45	24.21	24.48	25.5			
		270	1	24.79	24.53	24.88	25.5			
	DFT-s-OFDM 16QAM	135	68	23.36	23.74	23.67	24.5			
		135	68	22.08	22.15	22.04	24			
		135	68	20.12	20.08	20.10	22			
	MCS Index	Channel	631334	633334	635333					
		Frequency (MHz)	3470.01	3500.91	3529.995					
	40M	DFT-s-OFDM QPSK	108	54	24.03	24.19	24.33	25.5		
	20M	MCS Index	Channel	630667	633334	636000				
	20M	DFT-s-OFDM QPSK	50	25	24.06	24.38	24.35	25.5		
20M	MCS Index	Channel	630999	633334	636166					
20M	DFT-s-OFDM QPSK	50	25	24.06	24.38	24.35	25.5			
15M	DFT-s-OFDM QPSK	36	18	23.96	24.37	24.36	25.5			
15M	MCS Index	Channel	630334	633334	636333					
15M	DFT-s-OFDM QPSK	36	18	23.96	24.37	24.36	25.5			
10M	DFT-s-OFDM QPSK	25	12	23.91	24.24	24.35	25.5			

n77 (SCS 15 kHz)_Ant7										
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)	Channel		
		RB Offset	Frequency (MHz)					RB Offset	Frequency (MHz)	
50M	DFT-s-OFDM P2/BPSK	1	1	24.30	24.17	24.39	25.5	3728.01	3840	3954.99
		1	135	24.74	24.50	24.75	25.5			
		1	268	24.31	24.19	24.50	25.5			
		135	0	23.65	23.44	23.79	24.5			
		135	68	24.67	24.56	24.88	25.5			
		135	135	23.65	23.48	23.79	24.5			
		270	0	23.53	23.55	23.73	24.5			
		270	1	24.45	24.21	24.48	25.5			
	DFT-s-OFDM QPSK	1	1	24.79	24.53	24.88	25.5			
		1	268	24.43	24.28	24.58	25.5			
		135	0	23.71	23.53	23.85	24.5			
		135	68	24.81	24.67	24.91	25.5			
		135	135	23.68	23.58	23.90	24.5			
		270	0	23.64	23.59	23.86	24.5			
		270	1	24.81	24.26	24.00	24.5			
		270	1	24.22	22.26	22.38	24			
	DFT-s-OFDM 16QAM	135	68	23.81	23.52	24.00	24.5			
		135	68	22.42	22.26	22.38	24			
		135	68	20.36	20.28	20.45	22			
	MCS Index	Channel	648000	656000	664000					
		Frequency (MHz)	3720	3840	3960					
	40M	DFT-s-OFDM QPSK	108	54	24.72	24.46	24.63	25.5		
	20M	MCS Index	Channel	647334	656000	664666				
	20M	DFT-s-OFDM QPSK	50	25	24.67	24.56	24.79	25.5		
20M	MCS Index	Channel	647167	656000	664833					
20M	DFT-s-OFDM QPSK	50	25	24.67	24.56	24.79	25.5			
15M	DFT-s-OFDM QPSK	36	18	24.77	24.54	24.76	25.5			
15M	MCS Index	Channel	647000	656000	665000					
15M	DFT-s-OFDM QPSK	36	18	24.77	24.54	24.76	25.5			
10M	DFT-s-OFDM QPSK	25	12	24.74	24.63	24.69	25.5			

n78 (SCS 15 kHz)_Ant7										
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)	Channel		
		RB Offset	Frequency (MHz)					RB Offset	Frequency (MHz)	
50M	DFT-s-OFDM P2/BPSK	1	1	23.53	23.82	24.01	25.5	3478.005	3500.91	3525
		1	135	23.98	24.17	24.14	25.5			
		1	268	23.99	24.10	24.05	25.5			
		135	0	23.08	23.37	23.41	24.5			
		135	68	24.10	24.39	24.40	25.5			
		135	135	23.27	23.54	23.50	24.5			
		270	0	23.14	23.40	23.50	24.5			
		270	1	23.95	23.99	24.13	25.5			
	DFT-s-OFDM QPSK	1	1	24.09	24.26	24.27	25.5			
		1	268	24.00	24.19	24.10	25.5			
		135	0	23.10	23.43	23.47	24.5			
		135	68	24.23	24.45	24.48	25.5			
		135	135	23.35	23.57	23.54	24.5			
		270	0	23.29	23.48	23.60	24.5			
		270	1	24.09	24.19	24.10	25.5			
		270	1	23.95	23.98	24.13	25.5			
	DFT-s-OFDM 16QAM	135	68	23.36	23.58	23.61	24.5			
		135	68	22.13	22.21	22.12	24			
		135	68	20.09	20.14	20.10	22			
	MCS Index	Channel	631334	633334	635333					
		Frequency (MHz)	3470.01	3500.91	3529.995					
	40M	DFT-s-OFDM QPSK	108	54	23.95	24.21	24.23	25.5		
	20M	MCS Index	Channel	630667	633334	636000				
	20M	DFT-s-OFDM QPSK	50	25	24.09	24.32	24.40	25.5		
20M	MCS Index	Channel	630999	633334	636166					
20M	DFT-s-OFDM QPSK	50	25	24.09	24.32	24.40	25.5			
15M	DFT-s-OFDM QPSK	36	18	23.95	24.19	24.19	25.5			
15M	MCS Index	Channel	630334	633334	636333					
15M	DFT-s-OFDM QPSK	36	18	23.95	24.19	24.19	25.5			
10M	DFT-s-OFDM QPSK	25	12	24.04	24.20	24.18	25.5			

n41 (SCS 15 kHz)_Ant7										
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)	Channel		
		RB Offset	Frequency (MHz)					RB Offset	Frequency (MHz)	
50M	DFT-s-OFDM P2/BPSK	1	1	19.29	19.30	19.05	21	2521.005	2593.005	2664.99
		1	135	19.98	20.09	19.95	21			
		1	268	19.12	19.32	18.96	21			
		135	0	19.14	19.08	19.04	20			
		135	68	20.16	20.20	19.96	21			
		135	135	18.93	18.97	19.01	20			
		270	0	19.04	19.12	19.08	20			
		270	1	19.36	19.32	19.08	21			
	DFT-s-OFDM QPSK	1	1	19.99	20.11	19.97	21			
		1	268	19.14	19.23	19.02	21			
		135	0	19.00	19.14	19.05	20			
		135	68	20.11	20.21	20.06	21			
		135	135	19.02	19.07	18.94	20			
		270	0	18.93	19.15	18.95	20			
		270	1	19.28	19.20	19.12	20			
		270	1	17.73	17.66	17.53	19.5			
	DFT-s-OFDM 16QAM	135	68	17.73	17.66	17.53	19.5			
		135	68	15.89	15.55	15.79	17.5			
		135	68	15.89	15.55	15.79	17.5			
	MCS Index	Channel	630202	618601	634000					
		Frequency (MHz)	2516.01	2593.005	2670					
	40M	DFT-s-OFDM QPSK	108	54	20.08	20.19	20.00	21		
	30M	MCS Index	Channel	602280	618601	634999				
	30M	DFT-s-OFDM QPSK	80	40	20.11	20.22	20.07	21		
20M	MCS Index	Channel	631201	618601	635999					
20M	DFT-s-OFDM QPSK	50	25	20.05	20.18	20.09	21			
15M	MCS Index	Channel	607000	618601	636499					
15M	DFT-s-OFDM QPSK	36	18	20.11	20.23	20.05	21			
10M	MCS Index	Channel	600202	618601	637000					
10M	DFT-s-OFDM QPSK	25	12	20.07	20.23	19.99	21			

n48 (SCS 15 kHz)_Ant7										
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)	Channel		
		RB Offset	Frequency (MHz)					RB Offset	Frequency (MHz)	
50M	DFT-s-OFDM P2/BPSK	1	1	21.02	20.77	20.89	22.5	3376.005	3840	3972.995
		1	135	21.25	21.21	21.15	22.5			
		1	268	20.92	20.89	21.06	22.5			
		135	0	20.19	20.07	20.11	21.5			
		135	68	21.06	21.11	21.21	22.5			
		135	135	20.29	20.46	20.48	21.5			
		270	0	20.21	20.24	20.46	21.5			
		270	1	21.05	20.88	21.01				

n77 (SCS 30 kHz) Ant7										
BW	MCS Index	RB Size RB Offset		Mid	High	Max. Tune-up (dBm)				
		Channel	Frequency (MHz)				1	137	271	
100M	DFT-f-OFDM P1/2 BPSK	1 1		23.77	23.87	25.5				
		1 137		24.58	24.77	25.5				
		1 271		23.74	24.28	25.5				
		135 0		23.68	23.91	24.5				
		135 69		24.59	24.89	25.5				
		135 138		23.72	24.01	24.5				
	DFT-f-OFDM QPSK	1 1		23.72	23.87	25.5				
		1 137		24.61	24.79	25.5				
		1 271		23.87	24.28	25.5				
		135 0		23.64	23.91	24.5				
		135 69		24.71	24.99	25.5				
		135 138		23.66	24.01	24.5				
DFT-f-OFDM 16QAM	1 137		23.52	23.87	24.5					
	1 137		22.24	22.54	22					
DFT-f-OFDM 64QAM	1 137		20.23	20.64	22					
	1 137		20.23	20.64	22					
BW	MCS Index	Channel		63300	63334	63366	Max. Tune-up			
90M	DFT-f-OFDM QPSK	120	63	24.65	24.49	24.19	25.5			
BW	MCS Index	Channel		63268	63334	63400	Max. Tune-up			
80M	DFT-f-OFDM QPSK	108	55	24.58	24.01	24.56	25.5			
BW	MCS Index	Channel		63234	63334	63432	Max. Tune-up			
70M	DFT-f-OFDM QPSK	90	50	24.55	24.68	24.64	25.5			
BW	MCS Index	Channel		63200	63334	63486	Max. Tune-up			
60M	DFT-f-OFDM QPSK	81	41	24.46	24.66	24.65	25.5			
BW	MCS Index	Channel		63168	63334	63500	Max. Tune-up			
50M	DFT-f-OFDM QPSK	64	35	24.81	24.44	24.67	25.5			
BW	MCS Index	Channel		63134	63334	63532	Max. Tune-up			
40M	DFT-f-OFDM QPSK	50	28	24.63	24.61	24.61	25.5			
BW	MCS Index	Channel		63068	63334	63600	Max. Tune-up			
20M	DFT-f-OFDM QPSK	25	13	24.59	24.06	24.59	25.5			
BW	MCS Index	Channel		63000	63334	63666	Max. Tune-up			
15M	DFT-f-OFDM QPSK	18	10	24.64	24.51	24.65	25.5			
BW	MCS Index	Channel		63034	63334	63632	Max. Tune-up			
10M	DFT-f-OFDM QPSK	12	6	24.60	24.55	24.69	25.5			

n77 (SCS 30 kHz) Ant7										
BW	MCS Index	RB Size RB Offset		Mid	High	Max. Tune-up (dBm)				
		Channel	Frequency (MHz)				1	137	271	
100M	DFT-f-OFDM P1/2 BPSK	1 1		24.01	23.87	25.5				
		1 137		24.97	24.77	24.98	25.5			
		1 271		24.27	24.28	24.51	25.5			
		135 0		23.76	23.53	23.91	24.5			
		135 69		24.79	24.89	24.83	25.5			
		135 138		23.86	23.91	24.08	24.5			
	DFT-f-OFDM QPSK	1 1		24.10	23.96	23.87	25.5			
		1 137		24.96	24.79	25.07	25.5			
		1 271		24.28	23.97	24.55	25.5			
		135 0		23.83	23.65	24.09	24.5			
		135 69		25.04	24.98	25.11	25.5			
		135 138		24.06	24.01	24.25	24.5			
DFT-f-OFDM 16QAM	1 137		24.10	23.96	24.36	24.5				
	1 137		22.67	22.54	23.10	24				
DFT-f-OFDM 64QAM	1 137		20.63	20.30	20.84	22				
	1 137		20.63	20.30	20.84	22				
BW	MCS Index	Channel		64868	64900	64932	Max. Tune-up			
90M	DFT-f-OFDM QPSK	120	63	24.67	24.50	24.69	25.5			
BW	MCS Index	Channel		64834	64900	64966	Max. Tune-up			
80M	DFT-f-OFDM QPSK	108	55	24.61	24.40	24.75	25.5			
BW	MCS Index	Channel		64800	64900	64960	Max. Tune-up			
70M	DFT-f-OFDM QPSK	90	50	24.69	24.83	24.71	25.5			
BW	MCS Index	Channel		64868	64900	64932	Max. Tune-up			
60M	DFT-f-OFDM QPSK	81	41	24.66	24.55	24.72	25.5			
BW	MCS Index	Channel		64834	64900	64966	Max. Tune-up			
50M	DFT-f-OFDM QPSK	64	35	24.86	24.72	24.75	25.5			
BW	MCS Index	Channel		64800	64900	64900	Max. Tune-up			
40M	DFT-f-OFDM QPSK	50	28	24.68	24.67	24.62	25.5			
BW	MCS Index	Channel		64734	64900	64866	Max. Tune-up			
20M	DFT-f-OFDM QPSK	25	13	24.61	24.63	24.72	25.5			
BW	MCS Index	Channel		64718	64900	64832	Max. Tune-up			
15M	DFT-f-OFDM QPSK	18	10	24.71	24.74	24.70	25.5			
BW	MCS Index	Channel		64700	64900	64900	Max. Tune-up			
10M	DFT-f-OFDM QPSK	12	6	24.60	24.78	24.69	25.5			

n78 (SCS 30 kHz) Ant7										
BW	MCS Index	RB Size RB Offset		Mid	High	Max. Tune-up (dBm)				
		Channel	Frequency (MHz)				1	137	271	
100M	DFT-f-OFDM P1/2 BPSK	1 1		23.64	23.87	25.5				
		1 137		24.28	24.77	25.5				
		1 271		23.83	24.28	24.51	25.5			
		135 0		23.04	23.91	24.5				
		135 69		24.27	24.46	24.46	25.5			
		135 138		23.15	23.15	24.5				
	DFT-f-OFDM QPSK	1 1		23.58	23.87	25.5				
		1 137		24.31	24.77	25.5				
		1 271		23.59	24.28	24.51	25.5			
		135 0		23.14	23.91	24.5				
		135 69		24.46	24.46	24.46	25.5			
		135 138		23.29	23.29	24.5				
DFT-f-OFDM 16QAM	1 137		23.21	23.87	24.5					
	1 137		22.07	22.54	24					
DFT-f-OFDM 64QAM	1 137		20.12	20.64	22					
	1 137		20.12	20.64	22					
BW	MCS Index	Channel		63300	63334	63366	Max. Tune-up			
90M	DFT-f-OFDM QPSK	120	63	24.15	24.27	24.13	25.5			
BW	MCS Index	Channel		63268	63334	63400	Max. Tune-up			
80M	DFT-f-OFDM QPSK	108	55	24.17	24.01	24.23	25.5			
BW	MCS Index	Channel		63234	63334	63432	Max. Tune-up			
70M	DFT-f-OFDM QPSK	90	50	24.24	24.09	24.15	25.5			
BW	MCS Index	Channel		63200	63334	63486	Max. Tune-up			
60M	DFT-f-OFDM QPSK	81	41	24.27	24.30	24.26	25.5			
BW	MCS Index	Channel		63168	63334	63500	Max. Tune-up			
50M	DFT-f-OFDM QPSK	64	35	24.19	24.22	24.10	25.5			
BW	MCS Index	Channel		63134	63334	63532	Max. Tune-up			
40M	DFT-f-OFDM QPSK	50	28	24.28	24.63	24.01	25.5			
BW	MCS Index	Channel		63068	63334	63600	Max. Tune-up			
20M	DFT-f-OFDM QPSK	25	13	24.06	24.29	24.15	25.5			
BW	MCS Index	Channel		63000	63334	63666	Max. Tune-up			
15M	DFT-f-OFDM QPSK	18	10	24.23	24.23	24.29	25.5			
BW	MCS Index	Channel		63034	63334	63632	Max. Tune-up			
10M	DFT-f-OFDM QPSK	12	6	24.17	24.21	24.22	25.5			

n41 (SCS 30 kHz) Ant7										
BW	MCS Index	RB Size RB Offset		Low	Mid	High	Max. Tune-up (dBm)			
		Channel	Frequency (MHz)					1	137	271
100M	DFT-f-OFDM P1/2 BPSK	1 1		19.37	19.40	19.11	21			
		1 137		20.07	20.28	20.09	21			
		1 271		19.08	19.27	19.02	21			
		135 0		19.19	19.13	19.06	20			
		135 69		20.21	20.22	20.13	21			
		135 138		19.21	19.12	19.07	20			
	DFT-f-OFDM QPSK	1 1		19.42	19.43	19.13	21			
		1 137		20.13	20.24	20.07	21			
		1 271		19.16	19.36	19.11	21			
		135 0		19.15	19.17	19.08	20			
		135 69		20.26	20.30	20.08	21			
		135 138		19.06	19.11	19.04	20			
DFT-f-OFDM 16QAM	135 69		19.32	19.25	19.16	20				
	135 69		17.83	17.69	17.61	19.5				
DFT-f-OFDM 64QAM	135 69		15.91	15.70	15.80	17.5				
	135 69		15.91	15.70	15.80	17.5				
BW	MCS Index	Channel		50920	51898	52896	Max. Tune-up			
90M	DFT-f-OFDM QPSK	120	63	20.18	20.13	20.11	21			
BW	MCS Index	Channel		50724	51898	52998	Max. Tune-up			
80M	DFT-f-OFDM QPSK	108	55	20.17	20.08	20.13	21			
BW	MCS Index	Channel		50620	51898	53100	Max. Tune-up			
70M	DFT-f-OFDM QPSK	90	50	20.22	20.29	20.05	21			
BW	MCS Index	Channel		50520	51898	53196	Max. Tune-up			
60M	DFT-f-OFDM QPSK	81	41	20.06	20.21	20.17	21			
BW	MCS Index	Channel		50424	51898	53298	Max. Tune-up			
50M	DFT-f-OFDM QPSK	64	35	20.04	20.16	20.08	21			
BW	MCS Index	Channel		50320	51898	53400	Max. Tune-up			
40M	DFT-f-OFDM QPSK	50	28	20.17	20.20	20.15	21			
BW	MCS Index	Channel		50220	51898	53496	Max. Tune-up			
30M	DFT-f-OFDM QPSK	36	21	20.14	20.25	20.02	21			
BW	MCS Index	Channel		50124	51898	53598	Max. Tune-up			
20M	DFT-f-OFDM QPSK</									

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n2 (SCS 15 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.70	23.52	23.52	25
		1	53	23.81	23.76	23.66	25
		1	104	23.60	23.58	23.50	25
		50	0	23.39	23.47	23.43	24
		50	28	24.40	24.44	24.38	25
		50	56	23.41	23.47	23.27	24
	100	0	23.35	23.50	23.44	24	
	DFT-s-OFDM QPSK	1	1	23.75	23.63	23.67	25
		1	53	23.83	23.86	23.73	25
		1	104	23.68	23.72	23.60	25
		50	0	23.42	23.58	23.47	24
		50	28	24.54	24.57	24.49	25
		50	56	23.42	23.56	23.30	24
	100	0	23.45	23.57	23.47	24	
	DFT-s-OFDM 16QAM	50	28	23.69	23.72	23.68	24
DFT-s-OFDM 64QAM	50	28	22.64	22.57	22.65	23.5	
DFT-s-OFDM 256QAM	50	28	20.49	20.38	20.47	21.5	
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
15M	DFT-s-OFDM QPSK	36	22	24.39	24.50	24.34	25
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	14	24.41	24.48	24.40	25
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
5M	DFT-s-OFDM QPSK	12	7	24.50	24.43	24.44	25

n5 (SCS 15 kHz)_Ant 1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.90	23.84	23.89	25.5
		1	53	23.99	24.06	23.93	25.5
		1	104	23.91	24.05	23.81	25.5
		50	0	23.55	23.66	23.59	24.5
		50	28	24.71	24.60	24.69	25.5
		50	56	23.62	23.51	23.59	24.5
	100	0	23.58	23.71	23.61	24.5	
	DFT-s-OFDM QPSK	1	1	23.95	23.95	23.94	25.5
		1	53	24.08	24.11	24.05	25.5
		1	104	23.92	24.10	23.96	25.5
		50	0	23.66	23.71	23.69	24.5
		50	28	24.73	24.75	24.74	25.5
		50	56	23.65	23.59	23.63	24.5
	100	0	23.68	23.74	23.69	24.5	
	DFT-s-OFDM 16QAM	50	28	23.73	23.82	23.71	24.5
DFT-s-OFDM 64QAM	50	28	22.45	22.53	22.47	24	
DFT-s-OFDM 256QAM	50	28	20.28	20.37	20.31	22	
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
15M	DFT-s-OFDM QPSK	36	22	24.59	24.71	24.65	25.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	14	24.67	24.68	24.61	25.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
5M	DFT-s-OFDM QPSK	12	7	24.72	24.73	24.66	25.5

n7 (SCS 15 kHz)_Ant 1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		505000	507000	509000	
		Frequency (MHz)		2525	2535	2545	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	23.31	23.16	23.17	25
		1	135	23.34	23.31	23.26	25
		1	268	23.37	23.24	23.32	25
		135	0	22.94	22.83	22.81	24
		135	68	23.91	23.93	23.90	25
		135	135	22.77	22.88	22.77	24
	270	0	22.84	22.84	22.78	24	
	DFT-s-OFDM QPSK	1	1	23.34	23.28	23.26	25
		1	135	23.37	23.40	23.35	25
		1	268	23.32	23.29	23.24	25
		135	0	22.95	22.91	22.94	24
		135	68	23.99	24.05	23.92	25
		135	135	22.91	22.94	22.85	24
	270	0	22.92	22.93	22.89	24	
	DFT-s-OFDM 16QAM	135	68	22.93	22.94	23.01	24
DFT-s-OFDM 64QAM	135	68	21.69	21.77	21.59	23.5	
DFT-s-OFDM 256QAM	135	68	19.83	19.79	19.76	21.5	
BW	MCS Index	Channel		503500	507000	510500	Max. Tune-up
40M	DFT-s-OFDM QPSK	108	54	23.84	23.76	23.91	25
BW	MCS Index	Channel		503000	507000	511000	Max. Tune-up
30M	DFT-s-OFDM QPSK	80	40	23.83	23.98	23.89	25
BW	MCS Index	Channel		502500	507000	511500	Max. Tune-up
25M	DFT-s-OFDM QPSK	64	35	23.97	23.96	23.85	25
BW	MCS Index	Channel		502000	507000	512000	Max. Tune-up
20M	DFT-s-OFDM QPSK	50	28	23.96	23.69	23.82	25
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
15M	DFT-s-OFDM QPSK	36	22	23.98	23.73	23.81	25
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	14	23.88	23.96	23.87	25
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
5M	DFT-s-OFDM QPSK	12	7	23.83	24.00	23.91	25

n26 (SCS 15 kHz)_Ant 1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		164800	166300	167800	
		Frequency (MHz)		824	831.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.41	24.30	24.49	25.5
		1	53	24.39	24.39	24.41	25.5
		1	104	24.18	24.36	24.30	25.5
		50	0	23.36	23.58	23.45	24.5
		50	28	24.62	24.56	24.55	25.5
		50	56	23.60	23.45	23.49	24.5
	100	0	23.71	23.68	23.57	24.5	
	DFT-s-OFDM QPSK	1	1	24.48	24.45	24.42	25.5
		1	53	24.52	24.54	24.46	25.5
		1	104	24.32	24.39	24.37	25.5
		50	0	23.49	23.63	23.55	24.5
		50	28	24.67	24.70	24.58	25.5
		50	56	23.61	23.57	23.51	24.5
	100	0	23.54	23.59	23.48	24.5	
	DFT-s-OFDM 16QAM	50	28	23.69	23.60	23.56	24.5
DFT-s-OFDM 64QAM	50	28	22.11	22.09	22.06	24	
DFT-s-OFDM 256QAM	50	28	20.07	20.03	20.08	22	
BW	MCS Index	Channel		166300	166300	168300	Max. Tune-up
15M	DFT-s-OFDM QPSK	36	22	24.37	24.48	24.31	25.5
BW	MCS Index	Channel		163800	166300	168800	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	14	24.64	24.59	24.50	25.5
BW	MCS Index	Channel		163300	166300	169300	Max. Tune-up
5M	DFT-s-OFDM QPSK	12	7	24.51	24.49	24.37	25.5

n38 (SCS 30 kHz)_Ant1							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		Channel	RB Offset	51900	51900	52000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM P1/2 BPSK	1	1	23.42	23.38	23.43	25
		1	53	24.07	23.96	23.89	25
		1	104	23.30	23.18	23.34	25
		50	0	22.87	22.84	22.84	24
		50	28	24.03	23.96	23.97	25
		50	56	22.80	22.72	22.83	24
	DFT-s-OFDM QPSK	100	0	22.93	22.85	22.92	24
		1	1	23.55	23.43	23.52	25
		1	53	24.11	23.99	24.04	25
		1	104	23.43	23.30	23.42	25
		50	0	22.96	22.93	22.95	24
		50	28	24.14	24.03	24.09	25
	DFT-s-OFDM 16QAM	50	56	22.95	22.87	22.91	24
		100	0	22.99	22.95	22.94	24
	DFT-s-OFDM 64QAM	50	28	23.14	23.09	23.04	24
		50	28	21.97	21.99	21.94	23.5
	DFT-s-OFDM 256QAM	50	28	19.76	19.87	19.75	21.5
BW	MCS Index	Channel	517000	519000	521000	Max. Tune-up	
30M	DFT-s-OFDM QPSK	36	21	24.10	23.88	23.97	25
BW	MCS Index	Channel	516500	519000	521500	Max. Tune-up	
		Frequency (MHz)	2592.5	2595	2607.5		
25M	DFT-s-OFDM QPSK	32	17	24.06	23.94	23.96	25
BW	MCS Index	Channel	516000	519000	522000	Max. Tune-up	
		Frequency (MHz)	2580	2595	2610		
20M	DFT-s-OFDM QPSK	25	13	24.01	24.12	23.95	25
BW	MCS Index	Channel	515500	519000	522500	Max. Tune-up	
		Frequency (MHz)	2577.5	2595	2612.5		
15M	DFT-s-OFDM QPSK	18	10	24.05	24.07	23.98	25
BW	MCS Index	Channel	515000	519000	523000	Max. Tune-up	
		Frequency (MHz)	2575	2595	2615		
10M	DFT-s-OFDM QPSK	12	8	24.02	23.89	24.04	25

n41 (SCS 30 kHz)_Ant1							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		Channel	RB Offset	509200 <th>510900 <th>520000</th> </th>	510900 <th>520000</th>	520000	
		Frequency (MHz)		2546.01 <th>2592.99 <th>2640 <th></th> </th></th>	2592.99 <th>2640 <th></th> </th>	2640 <th></th>	
100M	DFT-s-OFDM P1/2 BPSK	1	1	23.14	23.09	23.11	25
		1	137	23.79	23.93	23.63	25
		1	271	23.12	23.09	23.18	25
		135	0	22.72	22.79	22.99	24
		135	69	23.84	23.98	23.77	25
		135	138	22.51	22.81	22.56	24
	DFT-s-OFDM QPSK	270	0	22.62	22.87	22.61	24
		1	1	23.08	23.18	23.04	25
		1	137	23.81	24.01	23.71	25
		1	271	23.07	23.18	23.06	25
		135	0	22.73	22.84	22.61	24
		135	69	23.92	24.08	23.85	25
	DFT-s-OFDM 16QAM	135	138	22.62	22.92	22.63	24
		270	0	22.73	22.89	22.63	24
	DFT-s-OFDM 64QAM	135	69	23.04	23.11	23.07	24
		135	69	22.01	22.08	22.00	23.5
	DFT-s-OFDM 256QAM	135	69	20.04	20.03	20.07	21.5
BW	MCS Index	Channel	508200	510900	520900	Max. Tune-up	
90M	DFT-s-OFDM QPSK	120	63	23.85	23.92	23.79	25
BW	MCS Index	Channel	507200	510900	520900	Max. Tune-up	
		Frequency (MHz)	2536.00	2592.99	2640.00		
80M	DFT-s-OFDM QPSK	108	55	23.91	23.97	23.78	25
BW	MCS Index	Channel	506200	510900	521000	Max. Tune-up	
		Frequency (MHz)	2531.01	2592.99	2655		
70M	DFT-s-OFDM QPSK	90	50	23.86	23.78	23.74	25
BW	MCS Index	Channel	505200	510900	521000	Max. Tune-up	
		Frequency (MHz)	2526	2592.99	2659.99		
60M	DFT-s-OFDM QPSK	81	41	23.77	23.96	23.82	25
BW	MCS Index	Channel	504200	510900	521900	Max. Tune-up	
		Frequency (MHz)	2521.02	2592.99	2664.99		
50M	DFT-s-OFDM QPSK	64	35	23.89	23.93	23.71	25
BW	MCS Index	Channel	503200	510900	522000	Max. Tune-up	
		Frequency (MHz)	2516.01	2592.99	2670		
40M	DFT-s-OFDM QPSK	50	28	23.77	23.90	23.61	25
BW	MCS Index	Channel	502200	510900	522000	Max. Tune-up	
		Frequency (MHz)	2511	2592.99	2674.99		
30M	DFT-s-OFDM QPSK	36	21	23.85	23.88	23.73	25
BW	MCS Index	Channel	501200	510900	522000	Max. Tune-up	
		Frequency (MHz)	2506.02	2592.99	2679.99		
20M	DFT-s-OFDM QPSK	25	13	23.74	23.95	23.69	25
BW	MCS Index	Channel	500200	510900	522000	Max. Tune-up	
		Frequency (MHz)	2501.5	2592.99	2684.49		
15M	DFT-s-OFDM QPSK	18	10	23.78	23.85	23.74	25
BW	MCS Index	Channel	500200	510900	523000	Max. Tune-up	
		Frequency (MHz)	2497.51	2592.99	2689		
10M	DFT-s-OFDM QPSK	12	8	23.69	23.90	23.68	25

n66 (SCS 15 kHz)_Ant1							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		Channel	RB Offset	345000 <th>349000 <th>352000</th> </th>	349000 <th>352000</th>	352000	
		Frequency (MHz)		1730 <th>1745 <th>1760 <th></th> </th></th>	1745 <th>1760 <th></th> </th>	1760 <th></th>	
40M	DFT-s-OFDM P1/2 BPSK	1	1	23.42	23.49	23.43	25.5
		1	107	24.02	24.21	24.04	25.5
		1	214	23.46	23.66	23.55	25.5
		108	0	23.21	23.20	23.27	24.5
		108	54	24.46	24.56	24.31	25.5
		108	108	23.21	23.26	23.17	24.5
	DFT-s-OFDM QPSK	216	0	23.12	23.23	23.17	24.5
		1	1	23.51	23.54	23.51	25.5
		1	107	24.16	24.18	24.12	25.5
		1	214	23.46	23.52	23.60	25.5
		108	0	23.31	23.28	23.37	24.5
		108	54	24.48	24.57	24.45	25.5
	DFT-s-OFDM 16QAM	108	108	23.35	23.40	23.18	24.5
		216	0	23.20	23.24	23.21	24.5
	DFT-s-OFDM 64QAM	108	54	23.27	23.35	23.18	24.5
		108	54	22.11	22.19	22.17	24
	DFT-s-OFDM 256QAM	108	54	20.17	20.23	20.15	22
BW	MCS Index	Channel	345500	349000	352500	Max. Tune-up	
35M	DFT-s-OFDM QPSK	90	49	24.33	24.51	24.40	25.5
BW	MCS Index	Channel	345000	349000	353000	Max. Tune-up	
		Frequency (MHz)	1735	1745	1755		
30M	DFT-s-OFDM QPSK	80	40	24.35	24.44	24.31	25.5
BW	MCS Index	Channel	344500	349000	353000	Max. Tune-up	
		Frequency (MHz)	1727.5	1745	1757.5		
25M	DFT-s-OFDM QPSK	64	35	24.33	24.50	24.42	25.5
BW	MCS Index	Channel	344000	349000	354000	Max. Tune-up	
		Frequency (MHz)	1729	1745	1770		
20M	DFT-s-OFDM QPSK	50	28	24.39	24.53	24.44	25.5
BW	MCS Index	Channel	343500	349000	354500	Max. Tune-up	
		Frequency (MHz)	1717.5	1745	1772.5		
15M	DFT-s-OFDM QPSK	36	22	24.41	24.48	24.43	25.5
BW	MCS Index	Channel	343000	349000	355000	Max. Tune-up	
		Frequency (MHz)	1715	1745	1775		
10M	DFT-s-OFDM QPSK	25	14	24.46	24.44	24.35	25.5
BW	MCS Index	Channel	342500	349000	355000	Max. Tune-up	
		Frequency (MHz)	1712.5	1745	1777.5		
5M	DFT-s-OFDM QPSK	12	7	24.40	24.42	24.39	25.5

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n41 (SCS 30 kHz) Ant3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	19.72	19.97	19.73	21
		1	137	20.16	20.02	19.80	21
		1	271	19.67	19.79	19.71	21
		135	0	19.65	19.64	19.62	21
		135	69	20.03	20.13	19.92	21
		135	138	19.73	19.48	19.06	21
	270	0	19.67	19.72	19.27	21	
	DFT-s-OFDM QPSK	1	1	19.90	20.10	19.73	21
		1	137	20.20	20.26	19.80	21
		1	271	19.70	19.74	19.66	21
		135	0	19.64	19.75	19.31	21
		135	69	20.19	20.37	19.99	21
		135	138	19.65	19.64	19.20	21
	270	0	19.72	19.82	19.31	21	
	DFT-s-OFDM 16QAM	135	69	19.98	19.85	19.81	21
	DFT-s-OFDM 64QAM	135	69	18.99	18.72	18.57	20.5
	DFT-s-OFDM 256QAM	135	69	17.14	17.11	16.83	18.5
	BW	MCS Index	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	120	63	20.18	20.17	19.77	21
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	108	55	20.14	20.08	19.70	21
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	90	50	20.12	20.22	19.65	21
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	81	41	20.06	20.17	19.85	21
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	64	35	19.66	19.78	19.28	21
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	50	28	20.19	20.24	19.66	21
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	36	21	20.01	19.95	19.78	21
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	25	13	19.95	20.04	19.82	21
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequency (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	18	10	20.11	19.97	19.76	21
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequency (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	12	6	20.05	20.26	19.98	21

n48 (SCS 30 kHz) Ant3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		640000	641666	643332	
		Frequency (MHz)		3600	3624.99	3649.98	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	16.90	16.95	16.80	18
		1	137	17.02	17.06	16.86	18
		1	271	16.81	17.04	17.12	18
		135	0	16.94	17.05	17.14	18
		135	69	17.12	17.12	17.01	18
		135	138	16.74	16.78	16.88	18
	270	0	16.84	16.86	17.04	18	
	DFT-s-OFDM QPSK	1	1	17.02	17.10	16.88	18
		1	137	17.15	17.13	17.19	18
		1	271	16.89	16.99	17.04	18
		135	0	16.88	16.95	17.26	18
		135	69	17.20	17.26	17.33	18
		135	138	17.09	16.91	16.83	18
	270	0	17.19	17.06	17.22	18	
	DFT-s-OFDM 16QAM	135	69	16.93	17.03	16.97	18
	DFT-s-OFDM 64QAM	135	69	16.74	17.10	17.03	18
	DFT-s-OFDM 256QAM	135	69	14.76	14.55	14.62	16.5
	BW	MCS Index	Channel		639668	641666	643666
		Frequency (MHz)		3595.02	3624.99	3654.99	
90M	DFT-s-OFDM QPSK	120	63	16.74	17.03	17.08	18
BW	MCS Index	Channel		639334	641666	644000	Max. Tune-up
		Frequency (MHz)		3590.01	3624.99	3660	
80M	DFT-s-OFDM QPSK	108	55	16.60	16.71	16.82	18
BW	MCS Index	Channel		639000	641666	644332	Max. Tune-up
		Frequency (MHz)		3585	3624.99	3664.98	
70M	DFT-s-OFDM QPSK	90	50	16.80	16.89	16.75	18
BW	MCS Index	Channel		638668	641666	644666	Max. Tune-up
		Frequency (MHz)		3580.02	3624.99	3669.99	
60M	DFT-s-OFDM QPSK	81	41	17.06	16.91	17.17	18
BW	MCS Index	Channel		638334	641666	645000	Max. Tune-up
		Frequency (MHz)		3575.01	3624.99	3675	
50M	DFT-s-OFDM QPSK	64	35	16.66	16.98	16.90	18
BW	MCS Index	Channel		638000	641666	645332	Max. Tune-up
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM QPSK	50	28	17.00	16.94	16.82	18
BW	MCS Index	Channel		637668	641666	645666	Max. Tune-up
		Frequency (MHz)		3565.02	3624.99	3684.99	
30M	DFT-s-OFDM QPSK	36	21	16.82	16.96	17.13	18
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	25	13	16.69	16.79	16.90	18
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
		Frequency (MHz)		3557.52	3624.99	3692.49	
15M	DFT-s-OFDM QPSK	18	10	17.07	17.10	17.16	18
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	12	6	16.81	16.94	17.20	18

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n2 (SCS 15 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P1/2 BPSK	1	1	14.90	15.29	14.77	16
		1	53	14.93	15.24	14.73	16
		1	104	14.90	15.16	14.72	16
		50	0	15.04	15.00	15.22	16
		50	28	15.35	15.32	15.27	16
		50	56	15.03	15.18	15.05	16
	DFT-s-OFDM QPSK	100	0	15.06	14.99	15.22	16
		1	1	14.88	15.27	14.89	16
		1	53	15.11	15.29	14.97	16
		1	104	14.92	15.27	14.79	16
		50	0	15.14	15.13	15.21	16
		50	28	15.28	15.37	15.32	16
	DFT-s-OFDM 16QAM	50	56	15.12	15.30	15.03	16
		100	0	15.09	15.25	15.23	16
	DFT-s-OFDM 64QAM	50	28	15.17	15.09	15.19	16
	DFT-s-OFDM 256QAM	50	28	14.78	14.71	14.81	16
	DFT-s-OFDM 256QAM	50	28	15.09	14.92	15.02	16
	BW	MCS Index	Channel		371500	376000	380500
15M	DFT-s-OFDM QPSK	Frequency (MHz)		1857.5	1880	1902.5	16
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		1855	1880	1905	16
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		1852.5	1880	1907.5	16

n5 (SCS 15 kHz)_Ant 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P1/2 BPSK	1	1	23.24	23.52	23.10	24
		1	53	23.58	23.54	23.34	24
		1	104	23.31	23.36	23.05	24
		50	0	23.28	23.38	23.50	24
		50	28	23.52	23.53	23.51	24
		50	56	23.21	23.48	23.44	24
	DFT-s-OFDM QPSK	100	0	23.33	23.37	23.45	24
		1	1	23.26	23.33	23.15	24
		1	53	23.49	23.56	23.37	24
		1	104	23.38	23.49	23.15	24
		50	0	23.39	23.42	23.52	24
		50	28	23.53	23.64	23.59	24
	DFT-s-OFDM 16QAM	50	56	23.35	23.52	23.56	24
		100	0	23.41	23.51	23.52	24
	DFT-s-OFDM 64QAM	50	28	23.58	23.60	23.58	24
	DFT-s-OFDM 64QAM	50	28	22.03	22.05	22.10	23.5
	DFT-s-OFDM 256QAM	50	28	20.00	20.09	20.07	21.5
	BW	MCS Index	Channel		166300	167300	168300
15M	DFT-s-OFDM QPSK	Frequency (MHz)		831.5	836.5	841.5	25
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		829	836.5	844	25
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		826.5	836.5	846.5	25

n7 (SCS 15 kHz)_Ant 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		505000	507000	509000	
		Frequency (MHz)		2525	2535	2545	
50M	DFT-s-OFDM P1/2 BPSK	1	1	15.91	15.74	15.78	17
		1	135	16.02	16.04	16.00	17
		1	268	15.67	15.87	15.86	17
		135	0	16.09	16.08	15.91	17
		135	68	16.36	16.35	16.42	17
		135	135	16.21	15.92	15.90	17
	DFT-s-OFDM QPSK	270	0	16.00	16.02	15.91	17
		1	1	16.12	15.91	15.85	17
		1	135	16.15	16.09	16.02	17
		1	268	15.91	15.87	15.88	17
		135	0	16.04	16.17	16.05	17
		135	68	16.48	16.41	16.43	17
	DFT-s-OFDM 16QAM	135	135	16.16	16.06	16.02	17
		270	0	16.10	16.05	15.97	17
	DFT-s-OFDM 64QAM	135	68	16.22	16.13	16.20	17
	DFT-s-OFDM 256QAM	135	68	16.08	16.07	16.06	17
	DFT-s-OFDM 256QAM	135	68	15.98	15.90	15.96	17
	BW	MCS Index	Channel		503500	507000	510500
40M	DFT-s-OFDM QPSK	Frequency (MHz)		2517.5	2535	2552.5	17
BW	MCS Index	Channel		503000	507000	511000	Max. Tune-up
30M	DFT-s-OFDM QPSK	Frequency (MHz)		2515	2535	2555	17
BW	MCS Index	Channel		502500	507000	511500	Max. Tune-up
25M	DFT-s-OFDM QPSK	Frequency (MHz)		2512.5	2535	2557.5	17
BW	MCS Index	Channel		502000	507000	512000	Max. Tune-up
20M	DFT-s-OFDM QPSK	Frequency (MHz)		2510	2535	2560	17
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		2507.5	2535	2562.5	17
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		2505	2535	2565	17
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		2502.5	2535	2567.5	17

n26 (SCS 15 kHz)_Ant 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		164800	166300	167800	
		Frequency (MHz)		824	831.5	839	
20M	DFT-s-OFDM P1/2 BPSK	1	1	22.95	23.22	23.03	24
		1	53	22.91	23.13	23.12	24
		1	104	22.87	23.08	22.96	24
		50	0	22.69	22.83	22.78	24
		50	28	23.08	23.09	23.10	24
		50	56	22.91	22.93	22.90	24
	DFT-s-OFDM QPSK	100	0	22.89	23.03	22.80	24
		1	1	23.02	23.08	23.07	24
		1	53	23.14	23.31	23.17	24
		1	104	22.98	23.19	23.13	24
		50	0	22.84	22.90	22.92	24
		50	28	23.14	23.35	23.18	24
	DFT-s-OFDM 16QAM	50	56	23.08	22.85	22.97	24
		100	0	22.91	22.95	22.89	24
	DFT-s-OFDM 64QAM	50	28	22.98	23.05	22.98	24
	DFT-s-OFDM 64QAM	50	28	21.83	21.61	21.65	23.5
	DFT-s-OFDM 256QAM	50	28	19.61	19.66	19.59	21.5
	BW	MCS Index	Channel		166300	166300	168300
15M	DFT-s-OFDM QPSK	Frequency (MHz)		821.5	831.5	841.5	24
BW	MCS Index	Channel		163800	166300	168800	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		819	831.5	844	24
BW	MCS Index	Channel		163300	166300	169300	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		816.5	831.5	846.5	24

n38 (SCS 30 kHz)_Ant4								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	519000	519000		520000
				2590	2595	2600		
				Frequency (MHz)				
40M	DFT-s-OFDM P/2 BPSK	1	1	15.02	15.18	15.06	16.5	
		1	53	15.47	15.40	15.51	16.5	
		1	104	15.30	15.09	15.19	16.5	
		50	0	15.33	15.43	15.29	16.5	
		50	28	15.38	15.47	15.47	16.5	
		50	56	15.35	15.30	15.22	16.5	
	100	0	15.39	15.25	15.40	16.5		
	DFT-s-OFDM QPSK	1	1	15.07	15.15	15.09	16.5	
		1	53	15.41	15.35	15.45	16.5	
		1	104	15.04	15.18	15.16	16.5	
		50	0	15.36	15.41	15.44	16.5	
		50	28	15.55	15.53	15.61	16.5	
		50	56	15.26	15.33	15.40	16.5	
	100	0	15.37	15.34	15.46	16.5		
	DFT-s-OFDM 16QAM	50	28	15.41	15.39	15.29	16.5	
		DFT-s-OFDM 64QAM	50	28	15.34	15.47	15.39	16.5
			DFT-s-OFDM 256QAM	50	28	14.99	15.26	15.11
	BW	MCS Index	Channel	517000	519000	521000	Max. Tune-up	
		Frequency (MHz)	2585	2595	2605			
30M	DFT-s-OFDM QPSK	36	21	15.31	15.39	15.42	16.5	
BW	MCS Index	Channel	516500	519000	521500	Max. Tune-up		
		Frequency (MHz)	2582.5	2595	2607.5			
25M	DFT-s-OFDM QPSK	32	17	15.37	15.38	15.23	16.5	
BW	MCS Index	Channel	516000	519000	522000	Max. Tune-up		
		Frequency (MHz)	2580	2595	2610			
20M	DFT-s-OFDM QPSK	25	13	15.26	15.33	15.29	16.5	
BW	MCS Index	Channel	515500	519000	522500	Max. Tune-up		
		Frequency (MHz)	2577.5	2595	2612.5			
15M	DFT-s-OFDM QPSK	18	10	15.01	15.07	15.15	16.5	
BW	MCS Index	Channel	515000	519000	523000	Max. Tune-up		
		Frequency (MHz)	2575	2595	2615			
10M	DFT-s-OFDM QPSK	12	6	15.40	15.28	15.42	16.5	

n41 (SCS 30 kHz)_Ant4								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	509200	518988		528000
				2546.01	2592.99	2640		
				Frequency (MHz)				
100M	DFT-s-OFDM P/2 BPSK	1	1	15.26	15.15	15.11	16.5	
		1	137	15.77	15.61	15.77	16.5	
		1	271	15.04	15.34	15.20	16.5	
		135	0	15.44	15.76	15.40	16.5	
		135	69	15.84	15.84	15.83	16.5	
		135	138	15.55	15.76	15.68	16.5	
	270	0	15.55	15.71	15.56	16.5		
	DFT-s-OFDM QPSK	1	1	15.27	15.28	15.02	16.5	
		1	137	15.69	15.77	15.57	16.5	
		1	271	15.10	15.34	15.20	16.5	
		135	0	15.57	15.76	15.60	16.5	
		135	69	15.63	15.87	15.75	16.5	
		135	138	15.61	15.60	15.67	16.5	
	270	0	15.62	15.72	15.60	16.5		
	DFT-s-OFDM 16QAM	135	69	15.60	15.67	15.70	16.5	
		DFT-s-OFDM 64QAM	135	69	15.48	15.55	15.45	16.5
			DFT-s-OFDM 256QAM	135	69	15.37	15.32	15.28
	BW	MCS Index	Channel	508200	518988	528996	Max. Tune-up	
		Frequency (MHz)	2541	2592.99	2644.98			
90M	DFT-s-OFDM QPSK	120	63	15.73	15.48	15.74	16.5	
BW	MCS Index	Channel	507204	518988	529998	Max. Tune-up		
		Frequency (MHz)	2536.02	2592.99	2649.99			
80M	DFT-s-OFDM QPSK	108	55	15.41	15.84	15.45	16.5	
BW	MCS Index	Channel	506202	518988	531000	Max. Tune-up		
		Frequency (MHz)	2531.01	2592.99	2655			
70M	DFT-s-OFDM QPSK	90	50	15.63	15.74	15.48	16.5	
BW	MCS Index	Channel	505200	518988	531996	Max. Tune-up		
		Frequency (MHz)	2526.99	2592.99	2659.98			
60M	DFT-s-OFDM QPSK	81	41	15.42	15.62	15.55	16.5	
BW	MCS Index	Channel	504204	518988	532998	Max. Tune-up		
		Frequency (MHz)	2521.02	2592.99	2664.99			
50M	DFT-s-OFDM QPSK	64	35	15.56	15.59	15.61	16.5	
BW	MCS Index	Channel	503202	518988	534000	Max. Tune-up		
		Frequency (MHz)	2516.01	2592.99	2670			
40M	DFT-s-OFDM QPSK	50	28	15.47	15.43	15.37	16.5	
BW	MCS Index	Channel	502200	518988	534996	Max. Tune-up		
		Frequency (MHz)	2511	2592.99	2674.98			
30M	DFT-s-OFDM QPSK	36	21	15.59	15.81	15.67	16.5	
BW	MCS Index	Channel	501204	518988	535998	Max. Tune-up		
		Frequency (MHz)	2506.02	2592.99	2679.99			
20M	DFT-s-OFDM QPSK	25	13	15.59	15.76	15.46	16.5	
BW	MCS Index	Channel	500700	518988	536496	Max. Tune-up		
		Frequency (MHz)	2503.99	2592.99	2682.48			
15M	DFT-s-OFDM QPSK	18	10	15.75	15.61	15.49	16.5	
BW	MCS Index	Channel	500202	518988	537000	Max. Tune-up		
		Frequency (MHz)	2501.01	2592.99	2685			
10M	DFT-s-OFDM QPSK	12	6	15.76	15.52	15.72	16.5	

(ENDC Only) n66 (SCS 15 kHz) (Ant4)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	346000	349000		352000
				1730	1745	1760		
				Frequency (MHz)				
40M	DFT-s-OFDM P/2 BPSK	1	1	17.14	17.33	17.03	18.5	
		1	107	17.37	17.57	17.30	18.5	
		1	214	17.14	17.28	17.13	18.5	
		108	0	17.42	17.47	17.47	18.5	
		108	54	17.58	17.54	17.46	18.5	
		108	108	17.33	17.18	17.29	18.5	
	216	0	17.37	17.38	17.25	18.5		
	DFT-s-OFDM QPSK	1	1	17.33	17.23	17.14	18.5	
		1	107	17.49	17.65	17.39	18.5	
		1	214	17.22	17.36	17.27	18.5	
		108	0	17.45	17.64	17.52	18.5	
		108	54	17.57	17.72	17.56	18.5	
		108	108	17.48	17.69	17.37	18.5	
	216	0	17.39	17.55	17.43	18.5		
	DFT-s-OFDM 16QAM	108	54	17.45	17.49	17.28	18.5	
		DFT-s-OFDM 64QAM	108	54	16.99	17.22	16.99	18.5
			DFT-s-OFDM 256QAM	108	54	16.87	16.95	17.14
	BW	MCS Index	Channel	345500	349000	352500	Max. Tune-up	
		Frequency (MHz)	1727.5	1745	1762.5			
35M	DFT-s-OFDM QPSK	90	49	17.38	17.57	17.33	18.5	
BW	MCS Index	Channel	345000	349000	353000	Max. Tune-up		
		Frequency (MHz)	1725	1745	1765			
30M	DFT-s-OFDM QPSK	80	40	17.45	17.58	17.53	18.5	
BW	MCS Index	Channel	344500	349000	353500	Max. Tune-up		
		Frequency (MHz)	1722.5	1745	1767.5			
25M	DFT-s-OFDM QPSK	64	35	17.36	17.41	17.22	18.5	
BW	MCS Index	Channel	344000	349000	354000	Max. Tune-up		
		Frequency (MHz)	1720	1745	1770			
20M	DFT-s-OFDM QPSK	50	28	17.30	17.49	17.22	18.5	
BW	MCS Index	Channel	343500	349000	354500	Max. Tune-up		
		Frequency (MHz)	1717.5	1745	1772.5			
15M	DFT-s-OFDM QPSK	36	22	17.48	17.51	17.44	18.5	
BW	MCS Index	Channel	343000	349000	355000	Max. Tune-up		
		Frequency (MHz)	1715	1745	1775			
10M	DFT-s-OFDM QPSK	25	14	17.42	17.61	17.26	18.5	
BW	MCS Index	Channel	342500	349000	355500	Max. Tune-up		
		Frequency (MHz)	1712.5	1745	1777.5			
5M	DFT-s-OFDM QPSK	12	7	17.47	17.61	17.29	18.5	

n66 (SCS 15 kHz) (Ant4)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				Channel	346000	349000		352000
				1730	1745	1760		
				Frequency (MHz)				
40M	DFT-s-OFDM P/2 BPSK	1	1	18.10	18.24	17.93	19.5	
		1	107	18.32	18.46	18.26	19.5	
		1	214	18.05	18.25	17.98	19.5	
		108	0	18.33	18.40	18.46	19.5	
		108	54	18.56	18.45	18.34	19.5	
		108	108	18.29	18.05	18.23	19.5	
	216	0	18.26	18.30	18.10	19.5		
	DFT-s-OFDM QPSK	1	1	18.59	18.61	18.63	19.5	
		1	107	18.65	18.72	18.68	19.5	
		1	214	18.56	18.67	18.64	19.5	
		108	0	18.35	18.51	18.43	19.5	
		108	54	18.69	18.84	18.71	19.5	
		108	108	18.64	18.78	18.62	19.5	
	216	0	18.25	18.53	18.37	19.5		
	DFT-s-OFDM 16QAM	108	54	18.33	18.36	18.19	19.5	
		DFT-s-OFDM 64QAM	108	54	17.92	18.20	17.98	19.5
			DFT-s-OFDM 256QAM	108	54	17.83	17.89	18.13
	BW	MCS Index	Channel	345500	349000	352500	Max. Tune-up	
		Frequency (MHz)	1727.5	1745	1762.5			
35M	DFT-s-OFDM QPSK	90	49	18.59	18.66	18.53	19.5	
BW	MCS Index	Channel	345000	349000	353000	Max. Tune-up		
		Frequency (MHz)	1725	1745	1765			
30M	DFT-s-OFDM QPSK	80	40	18.49	18.57	18.51	19.5	
BW	MCS Index	Channel	344500	349000	353500	Max. Tune-up		
		Frequency (MHz)	1722.5	1745	1767.5			
25M	DFT-s-OFDM QPSK	64	35	18.57	18.71	18.59	19.5	
BW	MCS Index	Channel	344000	349000	354000	Max. Tune-up		
		Frequency (MHz)	1720	1745	1770			
20M	DFT-s-OFDM QPSK	50	28	18.57	18.67	18.63	19.5	
BW	MCS Index	Channel	343500	349000	354500	Max. Tune-up		
		Frequency (MHz)	1717.5	1745	1772.5			
15M	DFT-s-OFDM QPSK	36	22	18.54	18.61	18.52	19.5	
BW	MCS Index	Channel	343000	349000	355000	Max. Tune-up		
		Frequency (MHz)	1715	1745	1775			
10M	DFT-s-OFDM QPSK	25	14	18.58	18.59	18.54	19.5	
BW	MCS Index	Channel	342500	349000	355500	Max. Tune-up		
		Frequency (MHz)	1712.5	1745	1777.5			
5M	DFT-s-OFDM QPSK	12	7	18.53	18.63	18.62	19.5	

HPUE_n77 (SCS 30 kHz)_Ant5											
BW	MCS Index	RB Size	RB Offset	Mid	Max. Tune-up (dBm)						
				Channel							
100M	DFT+OFDM P/2 BPSK	1	1	63334	17.5						
				3500.01							
				16.26							
				16.30							
				16.19							
				16.35							
	DFT+OFDM QPSK	1	1	63334	17.5						
				3500.01							
				16.35							
				16.32							
				16.95							
				16.38							
	DFT+OFDM 16QAM	1	1	63334	17.5						
				3500.01							
				16.35							
				16.30							
				16.59							
				16.46							
	DFT+OFDM 64QAM	1	1	63334	17.5						
				3500.01							
				16.35							
				16.30							
				16.30							
				16.31							
BW	MCS Index	Channel	Frequency (MHz)	63300	63334	63366	Max. Tune-up				
				3485	3500.01	3504.99	17.5				
				80M	DFT+OFDM QPSK	120	63	16.40	16.29	16.28	17.5
				16.40				16.29	16.28	17.5	
				80M	DFT+OFDM QPSK	108	55	16.00	16.29	16.72	17.5
								16.00	16.29	16.72	17.5
				70M	DFT+OFDM QPSK	90	50	16.48	16.87	16.82	17.5
								16.48	16.87	16.82	17.5
				60M	DFT+OFDM QPSK	81	41	16.64	16.53	16.69	17.5
								16.64	16.53	16.69	17.5
				50M	DFT+OFDM QPSK	64	35	16.71	16.06	16.68	17.5
								16.71	16.06	16.68	17.5
				40M	DFT+OFDM QPSK	50	28	16.40	16.46	16.69	17.5
								16.40	16.46	16.69	17.5
				20M	DFT+OFDM QPSK	25	13	16.00	16.29	16.73	17.5
								16.00	16.29	16.73	17.5
				15M	DFT+OFDM QPSK	18	10	16.51	16.58	16.83	17.5
								16.51	16.58	16.83	17.5
				10M	DFT+OFDM QPSK	12	6	16.25	16.61	16.70	17.5
								16.25	16.61	16.70	17.5

HPUE_n77 (SCS 30 kHz)_Ant5											
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)				
				Channel	65000	65200	65200				
100M	DFT+OFDM P/2 BPSK	1	1	3750	3840	3930	17.5				
				16.46	16.38	16.36					
				16.46	16.38	16.36					
				16.84	16.27	16.81					
				16.47	16.48	16.73					
				16.87	16.42	16.74					
	DFT+OFDM QPSK	1	1	3750	3840	3930	17.5				
				16.46	16.38	16.36					
				16.46	16.38	16.36					
				16.84	16.27	16.81					
				16.47	16.48	16.73					
				16.87	16.42	16.74					
	DFT+OFDM 16QAM	1	1	3750	3840	3930	17.5				
				16.46	16.38	16.36					
				16.46	16.38	16.36					
				16.84	16.27	16.81					
				16.47	16.48	16.73					
				16.87	16.42	16.74					
	DFT+OFDM 64QAM	1	1	3750	3840	3930	17.5				
				16.46	16.38	16.36					
				16.46	16.38	16.36					
				16.84	16.27	16.81					
				16.47	16.48	16.73					
				16.87	16.42	16.74					
BW	MCS Index	Channel	Frequency (MHz)	64868	65000	65200	Max. Tune-up				
				3745.02	3840	3934.98	17.5				
				80M	DFT+OFDM QPSK	120	63	16.61	16.41	16.64	17.5
				16.61				16.41	16.64	17.5	
				80M	DFT+OFDM QPSK	108	55	16.00	16.30	16.99	17.5
								16.00	16.30	16.99	17.5
				70M	DFT+OFDM QPSK	90	50	16.54	16.35	16.70	17.5
								16.54	16.35	16.70	17.5
				60M	DFT+OFDM QPSK	81	41	16.61	16.74	16.83	17.5
								16.61	16.74	16.83	17.5
				50M	DFT+OFDM QPSK	64	35	16.52	16.40	16.58	17.5
								16.52	16.40	16.58	17.5
				40M	DFT+OFDM QPSK	50	28	16.46	16.55	16.87	17.5
								16.46	16.55	16.87	17.5
				20M	DFT+OFDM QPSK	25	13	16.25	16.47	16.73	17.5
								16.25	16.47	16.73	17.5
				15M	DFT+OFDM QPSK	18	10	16.81	16.29	16.64	17.5
								16.81	16.29	16.64	17.5
				10M	DFT+OFDM QPSK	12	6	16.63	16.71	16.80	17.5
								16.63	16.71	16.80	17.5

HPUE_n78 (SCS 30 kHz)_Ant5											
BW	MCS Index	RB Size	RB Offset	Mid	Max. Tune-up (dBm)						
				Channel							
100M	DFT+OFDM P/2 BPSK	1	1	63334	17.5						
				3500.01							
				16.28							
				16.51							
				16.55							
				16.52							
	DFT+OFDM QPSK	1	1	63334	17.5						
				3500.01							
				16.35							
				16.32							
				16.95							
				16.38							
	DFT+OFDM 16QAM	1	1	63334	17.5						
				3500.01							
				16.35							
				16.30							
				16.59							
				16.46							
	DFT+OFDM 64QAM	1	1	63334	17.5						
				3500.01							
				16.35							
				16.30							
				16.30							
				16.31							
BW	MCS Index	Channel	Frequency (MHz)	63300	63334	63366	Max. Tune-up				
				3485	3500.01	3504.99	17.5				
				80M	DFT+OFDM QPSK	120	63	16.64	16.21	16.49	17.5
				16.64				16.21	16.49	17.5	
				80M	DFT+OFDM QPSK	108	55	16.00	16.30	16.99	17.5
								16.00	16.30	16.99	17.5
				70M	DFT+OFDM QPSK	90	50	16.54	16.35	16.70	17.5
								16.54	16.35	16.70	17.5
				60M	DFT+OFDM QPSK	81	41	16.64	16.42	16.64	17.5
								16.64	16.42	16.64	17.5
				50M	DFT+OFDM QPSK	64	35	16.71	16.06	16.68	17.5
								16.71	16.06	16.68	17.5
				40M	DFT+OFDM QPSK	50	28	16.40	16.46	16.79	17.5
								16.40	16.46	16.79	17.5
				20M	DFT+OFDM QPSK	25	13	16.00	16.29	16.62	17.5
								16.00	16.29	16.62	17.5
				15M	DFT+OFDM QPSK	18	10	16.46	16.58	16.73	17.5
								16.46	16.58	16.73	17.5
				10M	DFT+OFDM QPSK	12	6	16.25	16.40	16.67	17.5
								16.25	16.40	16.67	17.5

n77 (SCS 30 kHz)_Ant5											
BW	MCS Index	RB Size	RB Offset	Mid	Max. Tune-up (dBm)						
				Channel							
100M	DFT+OFDM P/2 BPSK	1	1	63334	16						
				3500.01							
				14.68							
				14.81							
				14.72							
				14.52							
	DFT+OFDM QPSK	1	1	63334	16						
				3500.01							
				14.77							
				14.69							
				14.91							
				14.77							
	DFT+OFDM 16QAM	1	1	63334	16						
				3500.01							
				14.13							
				14.74							
				14.60							
				14.69							
	DFT+OFDM 64QAM	1	1	63334	16						
				3500.01							
				14.69							
				14.81							
				14.69							
				14.69							
BW	MCS Index	Channel	Frequency (MHz)	63200	63334	63466	Max. Tune-up				
				3485	3500.01	3514.99	16				
				80M	DFT+OFDM QPSK	120	63	14.57	14.60	14.60	16
				14.57				14.60	14.60	16	
				80M	DFT+OFDM QPSK	108	55	14.70	14.51	14.55	16
								14.70	14.51	14.55	16
				70M	DFT+OFDM QPSK	90	50	14.76	14.48	14.63	16
								14.76	14.48	14.63	16
				60M	DFT+OFDM QPSK	81	41	14.44	14.59	14.69	16
								14.44	14.59	14.69	16
				50M	DFT+OFDM QPSK	64	35	14.59	14.28	14.73	16
								14.59	14.28	14.73	16
				40M	DFT+OFDM QPSK	50	28	14.41	14.40	14.62	16
								14.41	14.40	14.62	16
				20M	DFT+OFDM QPSK	25	13	14.35	14.47	14.73	16
								14.35	14.47	14.73	16
				15M	DFT+OFDM QPSK	18	10	14.72	14.85	14.93	16
								14.72	14.85	14.93	16
				10M	DFT+OFDM QPSK	12	6	14.52	14.35	14.64	16
								14.52	14.35	14.64	16

n77 (SCS 30 kHz)_Ant5											
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)				
				Channel	65000	65200	65200				
100M	DFT+OFDM P/2 BPSK	1	1	3750	3840	3930	16				
				14.65	14.67	14.70					
				14.65	14.67	14.70					
				14.85	14.47	14.82					
				14.76	14.57	14.60					
				14.86	14.52	14.75					
	DFT+OFDM QPSK	1	1	3750	3840	3930	16				
				14.65	14.67	14.70					
				14.65	14.67	14.70					
				14.85	14.47	14.82					
				14.76	14.57	14.60					
				14.86	14.52	14.75					
	DFT+OFDM 16QAM	1	1	3750	3840	3930	16				
				14.65	14.67	14.70					
				14.65	14.67	14.70					
				14.85	14.47	14.82					
				14.76	14.57	14.60					
				14.86	14.52	14.75					
	DFT+OFDM 64QAM	1	1	3750	3840	3930	16				
				14.65	14.67	14.70					
				14.65	14.67	14.70					
				14.85	14.47	14.82					
				14.76	14.57	14.60					
				14.86	14.52	14.75					
BW	MCS Index	Channel	Frequency (MHz)	64868	65000	65200	Max. Tune-up				
				3745.02	3840	3934.98	16				
				80M	DFT+OFDM QPSK	120	63	14.54	14.59	14.63	16
				14.54				14.59	14.63	16	
				80M	DFT+OFDM QPSK	108	55	14.71	14.42	14.51	16
								14.71	14.42	14.51	16
				70M	DFT+OFDM QPSK	90	50	14.48	14.69	14.71	16
								14.48	14.69	14.71	16
				60M	DFT+OFDM QPSK	81	41	14.62	14.32	14.71	16
								14.62	14.32	14.71	16
				50M	DFT+OFDM QPSK	64	35	14.66	14.59	14.71	16
								14.66	14.59	14.71	16
				40M	DFT+OFDM QPSK	50	28	14.48	14.50	14.54	16
								14.48	14.50	14.54	16

NR DS11 Power

n41 (SCS 30 kHz) Ant7								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		509202	518598	528000		
		Frequency (MHz)		2546.01	2592.99	2640		
100M	DFT-s-OFDM Pi/2 BPSK	1	1	18.78	18.88	18.56	20	
		1	137	19.00	19.14	19.05	20	
		1	271	18.49	18.67	18.44	20	
		135	0	18.78	18.73	18.70	20	
		135	69	18.97	19.11	18.91	20	
		135	138	18.83	18.73	18.78	20	
		270	0	18.75	18.88	18.65	20	
		1	1	18.83	18.79	18.52	20	
		1	137	19.08	19.14	19.11	20	
	DFT-s-OFDM QPSK	1	271	18.52	18.76	18.45	20	
		135	0	18.81	18.78	18.79	20	
		135	69	19.11	19.16	18.91	20	
		135	138	18.66	18.84	18.71	20	
		270	0	18.67	18.88	18.74	20	
		DFT-s-OFDM 16QAM	135	69	18.95	18.87	18.75	20
		DFT-s-OFDM 64QAM	135	69	17.83	17.67	17.63	19.5
	DFT-s-OFDM 256QAM	135	69	15.96	15.79	15.86	17.5	
	BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98		
90M	DFT-s-OFDM QPSK	120	63	18.89	19.03	18.97	20	
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up	
		Frequency (MHz)		2536.02	2592.99	2649.99		
80M	DFT-s-OFDM QPSK	108	55	18.74	18.82	18.52	20	
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up	
		Frequency (MHz)		2531.01	2592.99	2655		
70M	DFT-s-OFDM QPSK	90	50	18.71	18.66	18.76	20	
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up	
		Frequency (MHz)		2526	2592.99	2659.98		
60M	DFT-s-OFDM QPSK	81	41	19.05	19.15	18.81	20	
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up	
		Frequency (MHz)		2521.02	2592.99	2664.99		
50M	DFT-s-OFDM QPSK	64	35	18.89	19.11	19.01	20	
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up	
		Frequency (MHz)		2516.01	2592.99	2670		
40M	DFT-s-OFDM QPSK	50	28	18.94	19.01	18.79	20	
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up	
		Frequency (MHz)		2511	2592.99	2674.98		
30M	DFT-s-OFDM QPSK	36	21	19.08	19.05	18.83	20	
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up	
		Frequency (MHz)		2506.02	2592.99	2679.99		
20M	DFT-s-OFDM QPSK	25	13	18.87	19.04	18.91	20	
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up	
		Frequency (MHz)		2503.5	2592.99	2682.48		
15M	DFT-s-OFDM QPSK	18	10	18.84	18.98	18.87	20	
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up	
		Frequency (MHz)		2501.01	2592.99	2685		
10M	DFT-s-OFDM QPSK	12	6	19.02	19.14	18.79	20	

n48 (SCS 30 kHz) Ant7								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		640000	641666	643332		
		Frequency (MHz)		3600	3624.99	3649.98		
100M	DFT-s-OFDM Pi/2 BPSK	1	1	18.04	18.16	17.88	19.5	
		1	137	18.16	18.05	18.11	19.5	
		1	271	17.95	18.01	18.17	19.5	
		135	0	18.14	18.03	18.04	19.5	
		135	69	18.22	18.06	18.03	19.5	
		135	138	17.98	17.75	17.88	19.5	
		270	0	17.91	17.95	17.85	19.5	
		1	1	17.89	17.85	17.67	19.5	
		1	137	18.14	18.12	17.93	19.5	
	DFT-s-OFDM QPSK	1	271	17.74	17.89	17.88	19.5	
		135	0	17.96	18.16	18.17	19.5	
		135	69	18.24	18.20	18.19	19.5	
		135	138	18.10	18.13	17.99	19.5	
		270	0	18.18	18.03	17.98	19.5	
		DFT-s-OFDM 16QAM	135	69	18.05	18.00	17.88	19.5
		DFT-s-OFDM 64QAM	135	69	17.90	18.06	17.95	19.5
	DFT-s-OFDM 256QAM	135	69	17.45	17.38	17.41	19	
	BW	MCS Index	Channel		639668	641666	643666	Max. Tune-up
		Frequency (MHz)		3595.02	3624.99	3654.99		
90M	DFT-s-OFDM QPSK	120	63	17.89	17.98	18.08	19.5	
BW	MCS Index	Channel		639334	641666	644000	Max. Tune-up	
		Frequency (MHz)		3590.01	3624.99	3660		
80M	DFT-s-OFDM QPSK	108	55	17.87	17.61	17.77	19.5	
BW	MCS Index	Channel		639000	641666	644332	Max. Tune-up	
		Frequency (MHz)		3585	3624.99	3664.98		
70M	DFT-s-OFDM QPSK	90	50	17.76	17.84	17.78	19.5	
BW	MCS Index	Channel		638668	641666	644666	Max. Tune-up	
		Frequency (MHz)		3580.02	3624.99	3669.99		
60M	DFT-s-OFDM QPSK	81	41	17.67	17.87	17.85	19.5	
BW	MCS Index	Channel		638334	641666	645000	Max. Tune-up	
		Frequency (MHz)		3575.01	3624.99	3675		
50M	DFT-s-OFDM QPSK	64	35	17.85	17.74	17.56	19.5	
BW	MCS Index	Channel		638000	641666	645332	Max. Tune-up	
		Frequency (MHz)		3570	3624.99	3679.98		
40M	DFT-s-OFDM QPSK	50	28	17.87	17.94	17.85	19.5	
BW	MCS Index	Channel		637668	641666	645666	Max. Tune-up	
		Frequency (MHz)		3565.02	3624.99	3684.99		
30M	DFT-s-OFDM QPSK	36	21	18.05	18.11	17.82	19.5	
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up	
		Frequency (MHz)		3560.01	3624.99	3690		
20M	DFT-s-OFDM QPSK	25	13	18.02	18.07	17.97	19.5	
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up	
		Frequency (MHz)		3557.52	3624.99	3692.49		
15M	DFT-s-OFDM QPSK	18	10	18.16	17.90	17.86	19.5	
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up	
		Frequency (MHz)		3555	3624.99	3694.98		
10M	DFT-s-OFDM QPSK	12	6	18.13	18.05	17.92	19.5	

(ENDC Only) n77 (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size RB Offset		Channel	Mid	Max. Tune-up (dBm)			
		Frequency (MHz)							
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	15.85	17			
		1	137	1	16.05	17			
		1	271	1	15.82	17			
		135	0	1	15.88	17			
		135	69	1	15.98	17			
		135	138	1	15.85	17			
	DFT-s-OFDM QPSK	1	1	1	15.38	17			
		1	137	1	15.92	17			
		1	271	1	15.55	17			
		135	0	1	15.96	17			
		135	69	1	16.12	17			
		135	138	1	15.82	17			
	DFT-s-OFDM 16QAM	1	1	1	15.72	17			
		1	137	1	15.72	17			
		1	137	1	15.91	17			
DFT-s-OFDM 64QAM	1	137	1	15.91	17				
	1	137	1	15.83	17				
	1	137	1	15.83	17				
BW	MCS Index	Channel	Frequency (MHz)	33000	63334	63866	Max. Tune-up		
90M	DFT-s-OFDM QPSK	120	63	15.84	15.76	16.00	17		
BW	MCS Index	Channel	Frequency (MHz)	63268	63334	63400	Max. Tune-up		
8M	DFT-s-OFDM QPSK	108	55	15.66	15.60	15.69	17		
BW	MCS Index	Channel	Frequency (MHz)	63234	63334	63432	Max. Tune-up		
70M	DFT-s-OFDM QPSK	90	50	15.79	15.38	15.72	17		
BW	MCS Index	Channel	Frequency (MHz)	63200	63334	63466	Max. Tune-up		
6M	DFT-s-OFDM QPSK	81	41	16.05	15.87	15.99	17		
BW	MCS Index	Channel	Frequency (MHz)	63168	63334	63500	Max. Tune-up		
50M	DFT-s-OFDM QPSK	64	35	16.04	15.99	16.00	17		
BW	MCS Index	Channel	Frequency (MHz)	63134	63334	63532	Max. Tune-up		
40M	DFT-s-OFDM QPSK	50	28	15.86	15.74	16.02	17		
BW	MCS Index	Channel	Frequency (MHz)	63068	63334	63600	Max. Tune-up		
20M	DFT-s-OFDM QPSK	25	13	16.02	15.96	15.91	17		
BW	MCS Index	Channel	Frequency (MHz)	63000	63334	63666	Max. Tune-up		
15M	DFT-s-OFDM QPSK	18	10	15.72	15.96	15.88	17		
BW	MCS Index	Channel	Frequency (MHz)	63034	63334	63632	Max. Tune-up		
10M	DFT-s-OFDM QPSK	12	6	15.91	15.80	16.00	17		

(ENDC Only) n77 (SCS 30 kHz) Ant7										
BW	MCS Index	RB Size RB Offset		Channel	Mid	High	Max. Tune-up (dBm)			
		Frequency (MHz)								
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	15.92	15.94	15.76	17		
		1	137	1	16.10	16.02	15.90	17		
		1	271	1	15.71	15.90	15.94	17		
		135	0	1	15.95	15.91	15.93	17		
		135	69	1	15.74	15.89	16.04	17		
		135	138	1	15.77	15.69	15.75	17		
	DFT-s-OFDM QPSK	1	1	1	15.85	15.52	15.84	17		
		1	137	1	15.89	16.00	16.07	17		
		1	271	1	15.87	15.66	15.75	17		
		135	0	1	15.91	15.95	16.06	17		
		135	69	1	16.11	16.07	16.23	17		
		135	138	1	15.90	15.91	15.87	17		
	DFT-s-OFDM 16QAM	1	1	1	15.86	15.89	15.87	17		
		1	137	1	15.86	16.00	16.03	17		
		1	137	1	15.84	15.75	16.01	17		
BW	MCS Index	Channel	Frequency (MHz)	64868	65000	66232	Max. Tune-up			
90M	DFT-s-OFDM QPSK	120	63	16.07	15.92	15.77	17			
BW	MCS Index	Channel	Frequency (MHz)	64834	65000	66266	Max. Tune-up			
8M	DFT-s-OFDM QPSK	108	55	15.86	15.83	16.01	17			
BW	MCS Index	Channel	Frequency (MHz)	63234	65000	63432	Max. Tune-up			
70M	DFT-s-OFDM QPSK	90	50	15.68	15.75	15.91	17			
BW	MCS Index	Channel	Frequency (MHz)	64868	65000	66332	Max. Tune-up			
6M	DFT-s-OFDM QPSK	81	41	15.98	15.94	15.85	17			
BW	MCS Index	Channel	Frequency (MHz)	64834	65000	66366	Max. Tune-up			
50M	DFT-s-OFDM QPSK	64	35	15.76	15.99	15.94	17			
BW	MCS Index	Channel	Frequency (MHz)	64800	65000	66400	Max. Tune-up			
40M	DFT-s-OFDM QPSK	50	28	15.90	15.86	16.01	17			
BW	MCS Index	Channel	Frequency (MHz)	64734	65000	66466	Max. Tune-up			
20M	DFT-s-OFDM QPSK	25	13	16.00	15.97	16.08	17			
BW	MCS Index	Channel	Frequency (MHz)	64718	65000	66482	Max. Tune-up			
15M	DFT-s-OFDM QPSK	18	10	15.72	15.68	15.90	17			
BW	MCS Index	Channel	Frequency (MHz)	64700	65000	66500	Max. Tune-up			
10M	DFT-s-OFDM QPSK	12	6	15.92	15.70	15.86	17			

(ENDC Only) n78 (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size RB Offset		Channel	Mid	Max. Tune-up (dBm)			
		Frequency (MHz)							
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	15.77	17			
		1	137	1	16.00	17			
		1	271	1	15.84	17			
		135	0	1	15.89	17			
		135	69	1	15.91	17			
		135	138	1	15.75	17			
	DFT-s-OFDM QPSK	1	1	1	15.79	17			
		1	137	1	16.01	17			
		1	271	1	15.96	17			
		135	0	1	16.08	17			
		135	69	1	16.18	17			
		135	138	1	15.86	17			
	DFT-s-OFDM 16QAM	1	1	1	15.81	17			
		1	137	1	15.81	17			
		1	137	1	15.75	17			
BW	MCS Index	Channel	Frequency (MHz)	63000	63334	63866	Max. Tune-up		
90M	DFT-s-OFDM QPSK	120	63	15.85	15.68	15.76	17		
BW	MCS Index	Channel	Frequency (MHz)	63268	63334	63400	Max. Tune-up		
8M	DFT-s-OFDM QPSK	108	55	15.77	15.92	16.01	17		
BW	MCS Index	Channel	Frequency (MHz)	63234	63334	63432	Max. Tune-up		
70M	DFT-s-OFDM QPSK	90	50	16.01	15.99	15.89	17		
BW	MCS Index	Channel	Frequency (MHz)	63000	63334	63466	Max. Tune-up		
6M	DFT-s-OFDM QPSK	81	41	15.82	15.75	15.76	17		
BW	MCS Index	Channel	Frequency (MHz)	63168	63334	63500	Max. Tune-up		
50M	DFT-s-OFDM QPSK	64	35	15.90	15.82	15.99	17		
BW	MCS Index	Channel	Frequency (MHz)	63134	63334	63532	Max. Tune-up		
40M	DFT-s-OFDM QPSK	50	28	15.81	15.75	15.96	17		
BW	MCS Index	Channel	Frequency (MHz)	63068	63334	63600	Max. Tune-up		
20M	DFT-s-OFDM QPSK	25	13	15.76	15.40	15.73	17		
BW	MCS Index	Channel	Frequency (MHz)	63000	63334	63666	Max. Tune-up		
15M	DFT-s-OFDM QPSK	18	10	15.96	15.77	15.74	17		
BW	MCS Index	Channel	Frequency (MHz)	63034	63334	63632	Max. Tune-up		
10M	DFT-s-OFDM QPSK	12	6	15.83	15.74	16.00	17		

n77 (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size RB Offset		Channel	Mid	Max. Tune-up (dBm)			
		Frequency (MHz)							
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	18.37	19.5			
		1	137	1	18.39	19.5			
		1	271	1	18.37	19.5			
		135	0	1	18.52	19.5			
		135	69	1	18.38	19.5			
		135	138	1	18.16	19.5			
	DFT-s-OFDM QPSK	1	1	1	18.00	19.5			
		1	137	1	18.24	19.5			
		1	271	1	18.13	19.5			
		135	0	1	18.58	19.5			
		135	69	1	18.63	19.5			
		135	138	1	18.36	19.5			
	DFT-s-OFDM 16QAM	1	1	1	18.35	19.5			
		1	137	1	18.53	19.5			
		1	137	1	18.36	19.5			
BW	MCS Index	Channel	Frequency (MHz)	63300	63334	63866	Max. Tune-up		
90M	DFT-s-OFDM QPSK	120	63	18.44	18.49	18.55	19.5		
BW	MCS Index	Channel	Frequency (MHz)	63268	63334	63400	Max. Tune-up		
8M	DFT-s-OFDM QPSK	108	55	18.31	18.18	18.36	19.5		
BW	MCS Index	Channel	Frequency (MHz)	63234	63334	63432	Max. Tune-up		
70M	DFT-s-OFDM QPSK	90	50	18.50	18.51	18.33	19.5		
BW	MCS Index	Channel	Frequency (MHz)	63200	63334	63466	Max. Tune-up		
6M	DFT-s-OFDM QPSK	81	41	18.26	18.11	18.22	19.5		
BW	MCS Index	Channel	Frequency (MHz)	63168	63334	63500	Max. Tune-up		
50M	DFT-s-OFDM QPSK	64	35	18.49	18.34	18.29	19.5		
BW	MCS Index	Channel	Frequency (MHz)	63134	63334	63532	Max. Tune-up		
40M	DFT-s-OFDM QPSK	50	28	18.27	18.35	18.37	19.5		
BW	MCS Index	Channel	Frequency (MHz)	63068	63334	63600	Max. Tune-up		
20M	DFT-s-OFDM QPSK	25	13	18.30	18.02	18.33	19.5		
BW	MCS Index	Channel	Frequency (MHz)	63000	63334	63666	Max. Tune-up		
15M	DFT-s-OFDM QPSK	18	10	18.25	18.15	18.19	19.5		
BW	MCS Index	Channel	Frequency (MHz)	63034	63334	63632	Max. Tune-up		
10M	DFT-s-OFDM QPSK	12	6	18.60	18.48	18.58	19.5		

n77 (SCS 30 kHz) Ant7										
BW	MCS Index	RB Size RB Offset		Channel	Mid	High	Max. Tune-up (dBm)			
		Frequency (MHz)								
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	18.49	18.46	18.41	19.5		
		1	137	1	18.62	18.58	18.48	19.5		
		1	271	1	18.32	18.47	18.31	19.5		
		135	0	1	18.55	18.55	18.57	19.5		

NR DSI2 Power

n2 (SCS 15 kHz) Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.70	23.52	23.52	25
		1	53	23.81	23.76	23.66	25
		1	104	23.60	23.58	23.50	25
		50	0	23.39	23.47	23.43	24
		50	28	24.40	24.44	24.38	25
		50	56	23.41	23.47	23.27	24
	100	0	23.35	23.50	23.44	24	
	DFT-s-OFDM QPSK	1	1	23.75	23.63	23.67	25
		1	53	23.83	23.86	23.73	25
		1	104	23.68	23.72	23.60	25
		50	0	23.42	23.58	23.47	24
		50	28	24.54	24.57	24.49	25
		50	56	23.42	23.56	23.30	24
	100	0	23.45	23.57	23.47	24	
	DFT-s-OFDM 16QAM	50	28	23.69	23.72	23.68	24
	DFT-s-OFDM 64QAM	50	28	22.64	22.57	22.65	23.5
	DFT-s-OFDM 256QAM	50	28	20.49	20.38	20.47	21.5
	BW	MCS Index	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	36	22	24.39	24.50	24.34	25
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	25	14	24.41	24.48	24.40	25
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	12	7	24.50	24.43	24.44	25

n5 (SCS 15 kHz) Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.90	23.84	23.89	25.5
		1	53	23.99	24.06	23.93	25.5
		1	104	23.91	24.05	23.81	25.5
		50	0	23.55	23.66	23.59	24.5
		50	28	24.71	24.60	24.69	25.5
		50	56	23.62	23.51	23.59	24.5
	100	0	23.58	23.71	23.61	24.5	
	DFT-s-OFDM QPSK	1	1	23.95	23.95	23.94	25.5
		1	53	24.08	24.11	24.05	25.5
		1	104	23.92	24.10	23.96	25.5
		50	0	23.66	23.71	23.69	24.5
		50	28	24.73	24.75	24.74	25.5
		50	56	23.65	23.59	23.63	24.5
	100	0	23.68	23.74	23.69	24.5	
	DFT-s-OFDM 16QAM	50	28	23.73	23.82	23.71	24.5
	DFT-s-OFDM 64QAM	50	28	22.45	22.53	22.47	24
	DFT-s-OFDM 256QAM	50	28	20.28	20.37	20.31	22
	BW	MCS Index	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	24.59	24.71	24.65	25.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.67	24.68	24.61	25.5
BW	MCS Index	Channel		165300	167300	168300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	24.72	24.73	24.66	25.5

n7 (SCS 15 kHz) Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		505000	507000	509000	
		Frequency (MHz)		2525	2535	2545	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	23.31	23.16	23.17	25
		1	135	23.34	23.31	23.26	25
		1	268	23.37	23.24	23.32	25
		135	0	22.94	22.83	22.81	24
		135	68	23.91	23.93	23.90	25
		135	135	22.77	22.88	22.77	24
	DFT-s-OFDM QPSK	270	0	22.84	22.84	22.78	24
		1	1	23.34	23.28	23.26	25
		1	135	23.37	23.40	23.35	25
		1	268	23.32	23.29	23.24	25
		135	0	22.95	22.91	22.94	24
		135	68	23.99	24.05	23.92	25
	135	135	22.91	22.94	22.85	24	
	270	0	22.92	22.93	22.89	24	
	DFT-s-OFDM 16QAM	135	68	22.93	22.94	23.01	24
	DFT-s-OFDM 64QAM	135	68	21.69	21.77	21.59	23.5
	DFT-s-OFDM 256QAM	135	68	19.83	19.79	19.76	21.5
	BW	MCS Index	Channel		503500	507000	510500
		Frequency (MHz)		2517.5	2535	2552.5	
40M	DFT-s-OFDM QPSK	108	54	23.84	23.76	23.91	25
BW	MCS Index	Channel		503000	507000	511000	Max. Tune-up
		Frequency (MHz)		2515	2535	2555	
30M	DFT-s-OFDM QPSK	80	40	23.83	23.98	23.89	25
BW	MCS Index	Channel		502500	507000	511500	Max. Tune-up
		Frequency (MHz)		2512.5	2535	2557.5	
25M	DFT-s-OFDM QPSK	64	35	23.97	23.96	23.85	25
BW	MCS Index	Channel		502000	507000	512000	Max. Tune-up
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM QPSK	50	28	23.96	23.69	23.82	25
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	36	22	23.98	23.73	23.81	25
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	25	14	23.88	23.96	23.87	25
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	12	7	23.83	24.00	23.91	25

n26 (SCS 15 kHz) Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		164800	166300	167800	
		Frequency (MHz)		824	831.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.41	24.30	24.49	25.5
		1	53	24.39	24.39	24.41	25.5
		1	104	24.18	24.36	24.30	25.5
		50	0	23.36	23.58	23.45	24.5
		50	28	24.62	24.56	24.55	25.5
		50	56	23.60	23.45	23.49	24.5
	DFT-s-OFDM QPSK	100	0	23.71	23.68	23.57	24.5
		1	1	24.48	24.45	24.42	25.5
		1	53	24.52	24.54	24.46	25.5
		1	104	24.32	24.39	24.37	25.5
		50	0	23.49	23.63	23.55	24.5
		50	28	24.67	24.70	24.58	25.5
	50	56	23.61	23.57	23.51	24.5	
	100	0	23.54	23.59	23.48	24.5	
	DFT-s-OFDM 16QAM	50	28	23.69	23.60	23.56	24.5
	DFT-s-OFDM 64QAM	50	28	22.11	22.09	22.06	24
	DFT-s-OFDM 256QAM	50	28	20.07	20.03	20.08	22
	BW	MCS Index	Channel		166300	166300	168300
		Frequency (MHz)		821.5	831.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	24.37	24.48	24.31	25.5
BW	MCS Index	Channel		163800	166300	168800	Max. Tune-up
		Frequency (MHz)		819	831.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.64	24.59	24.50	25.5
BW	MCS Index	Channel		163300	166300	169300	Max. Tune-up
		Frequency (MHz)		816.5	831.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	24.51	24.49	24.37	25.5

n26 (SCS 15 kHz) Ant 1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		164800	166300	167800	
		Frequency (MHz)		824	831.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.41	24.30	24.49	25.5
		1	53	24.39	24.39	24.41	25.5
		1	104	24.18	24.36	24.30	25.5
		50	0	23.36	23.58	23.45	24.5
		50	28	24.62	24.56	24.55	25.5
		50	56	23.60	23.45	23.49	24.5
	100	0	23.71	23.68	23.57	24.5	
	DFT-s-OFDM QPSK	1	1	24.48	24.45	24.42	25.5
		1	53	24.52	24.54	24.46	25.5
		1	104	24.32	24.39	24.37	25.5
		50	0	23.49	23.63	23.55	24.5
		50	28	24.67	24.70	24.58	25.5
		50	56	23.61	23.57	23.51	24.5
	100	0	23.54	23.59	23.48	24.5	
	DFT-s-OFDM 16QAM	50	28	23.69	23.60	23.56	24.5
	DFT-s-OFDM 64QAM	50	28	22.11	22.09	22.06	24
	DFT-s-OFDM 256QAM	50	28	20.07	20.03	20.08	22
	BW	MCS Index	Channel		166300	166300	168300
15M	DFT-s-OFDM QPSK	36	22	24.37	24.48	24.31	25.5
BW	MCS Index	Channel		163800	166300	168800	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	14	24.64	24.59	24.50	25.5
BW	MCS Index	Channel		163300	166300	169300	Max. Tune-up
5M	DFT-s-OFDM QPSK	12	7	24.51	24.49	24.37	25.5

n38 (SCS 30 kHz) Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.38	23.43	25
		1	53	24.07	23.96	23.89	25
		1	104	23.30	23.18	23.34	25
		50	0	22.87	22.84	22.84	24
		50	28	24.03	23.96	23.97	25
		50	56	22.80	22.72	22.83	24
	100	0	22.93	22.85	22.92	24	
	DFT-s-OFDM QPSK	1	1	23.55	23.43	23.52	25
		1	53	24.11	23.99	24.04	25
		1	104	23.43	23.30	23.42	25
		50	0	22.96	22.93	22.95	24
		50	28	24.14	24.03	24.09	25
		50	56	22.95	22.87	22.91	24
	100	0	22.99	22.95	22.94	24	
	DFT-s-OFDM 16QAM	50	28	23.14	23.09	23.04	24
	DFT-s-OFDM 64QAM	50	28	21.97	21.99	21.94	23.5
	DFT-s-OFDM 256QAM	50	28	19.76	19.87	19.75	21.5
	BW	MCS Index	Channel		517000	519000	521000
30M	DFT-s-OFDM QPSK	36	21	24.10	23.88	23.97	25
BW	MCS Index	Channel		516500	519000	521500	Max. Tune-up
25M	DFT-s-OFDM QPSK	32	17	24.06	23.94	23.96	25
BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
20M	DFT-s-OFDM QPSK	25	13	24.01	24.12	23.95	25
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
15M	DFT-s-OFDM QPSK	18	10	24.05	24.07	23.98	25
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
10M	DFT-s-OFDM QPSK	12	6	24.02	23.89	24.04	25

n41 (SCS 30 kHz) Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	23.14	23.09	23.11	25
		1	137	23.79	23.93	23.63	25
		1	271	23.12	23.09	23.18	25
		135	0	22.72	22.79	22.59	24
		135	69	23.84	23.98	23.77	25
		135	138	22.51	22.81	22.56	24
	270	0	22.62	22.87	22.61	24	
	DFT-s-OFDM QPSK	1	1	23.08	23.18	23.04	25
		1	137	23.81	24.01	23.71	25
		1	271	23.07	23.18	23.06	25
		135	0	22.73	22.84	22.61	24
		135	69	23.92	24.06	23.85	25
		135	138	22.62	22.92	22.63	24
	270	0	22.73	22.89	22.63	24	
	DFT-s-OFDM 16QAM	135	69	23.04	23.11	23.07	24
	DFT-s-OFDM 64QAM	135	69	22.01	22.08	22.00	23.5
	DFT-s-OFDM 256QAM	135	69	20.04	20.03	20.07	21.5
	BW	MCS Index	Channel		508200	518598	528996
90M	DFT-s-OFDM QPSK	120	63	23.88	23.92	23.79	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
80M	DFT-s-OFDM QPSK	108	55	23.91	23.97	23.78	25
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
70M	DFT-s-OFDM QPSK	90	50	23.86	23.78	23.74	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
60M	DFT-s-OFDM QPSK	81	41	23.77	23.96	23.82	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
50M	DFT-s-OFDM QPSK	64	35	23.89	23.93	23.71	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
40M	DFT-s-OFDM QPSK	50	28	23.77	23.99	23.61	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
30M	DFT-s-OFDM QPSK	36	21	23.85	23.88	23.73	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
20M	DFT-s-OFDM QPSK	25	13	23.74	23.95	23.69	25
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
15M	DFT-s-OFDM QPSK	18	10	23.78	23.85	23.74	25
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
10M	DFT-s-OFDM QPSK	12	6	23.69	23.90	23.68	25

n66 (SCS 15 kHz) Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	348000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.49	23.43	25.5
		1	107	24.02	24.21	24.04	25.5
		1	214	23.46	23.66	23.55	25.5
		108	0	23.21	23.20	23.27	24.5
		108	54	24.46	24.56	24.31	25.5
		108	108	23.21	23.26	23.17	24.5
	216	0	23.12	23.23	23.17	24.5	
	DFT-s-OFDM QPSK	1	1	23.51	23.54	23.51	25.5
		1	107	24.16	24.18	24.12	25.5
		1	214	23.48	23.52	23.60	25.5
		108	0	23.31	23.28	23.37	24.5
		108	54	24.48	24.57	24.45	25.5
		108	108	23.35	23.40	23.18	24.5
	216	0	23.20	23.24	23.21	24.5	
	DFT-s-OFDM 16QAM	108	54	23.27	23.35	23.18	24.5
	DFT-s-OFDM 64QAM	108	54	22.11	22.19	22.17	24
	DFT-s-OFDM 256QAM	108	54	20.17	20.23	20.15	22
	BW	MCS Index	Channel		345500	349000	352500
35M	DFT-s-OFDM QPSK	90	49	24.33	24.51	24.40	25.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
30M	DFT-s-OFDM QPSK	80	40	24.35	24.44	24.31	25.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
25M	DFT-s-OFDM QPSK	64	35	24.33	24.50	24.42	25.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
20M	DFT-s-OFDM QPSK	50	28	24.39	24.53	24.44	25.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
15M	DFT-s-OFDM QPSK	36	22	24.41	24.48	24.43	25.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	14	24.46	24.44	24.35	25.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
5M	DFT-s-OFDM QPSK	12	7	24.40	24.42	24.39	25.5

NR DS2 Power

n77 (SCS 30 kHz)_Ant3																																						
BW	MCS Index	RB Size	RB Offset	Channel		Mid	High	Max. Tune-up (dBm)																														
				Channel	Frequency (MHz)																																	
100M	DFT-s-OFDM P2/BPSK	1	1	633334	3500.01	19.01	18.84	18.80	20.5																													
										1	137	18.75	18.68	18.72	20.5																							
																1	271	18.59	18.52	19.5																		
																					135	69	19.83	19.75	20.5													
																										135	138	18.57	18.5	19.5								
																															270	0	18.55	18.5	19.5			
		1	1	633334	3500.01	19.71	19.71	20.5																														
									1	137	18.55	18.5	19.5																									
														1	271	18.55	18.5	19.5																				
																			135	69	18.68	19.5	20.5															
																								135	138	19.87	20.5	20.5										
																													135	138	18.57	18.80	19.5					
	270	0	18.59	19.5	19.5																																	
						135	69	19.15	19.5	19.5																												
											135	69	17.81	19.5	19.5																							
																135	69	15.70	17	17																		
																					BW	MCS Index	Channel	633000	633334	636666	Max. Tune-up											
																												90M	DFT-s-OFDM QPSK	120	63	19.81	19.82	19.77	20.5			
	BW	MCS Index	Channel	632668	633334																															634000	Max. Tune-up	
						80M	DFT-s-OFDM QPSK	108	55	19.67																												19.79
											BW	MCS Index	Channel	633334	633334																							
																70M	DFT-s-OFDM QPSK	90	50	19.71																		
																					BW	MCS Index	Channel	632000	633334	634666	Max. Tune-up											
																												60M	DFT-s-OFDM QPSK	81	41	19.76	19.78	19.70	20.5			
BW	MCS Index	Channel	631668	633334	635000																															Max. Tune-up		
						50M	DFT-s-OFDM QPSK	64	35	19.78																											19.80	19.75
											BW	MCS Index	Channel	631334	633334																							
																40M	DFT-s-OFDM QPSK	50	28	19.66																		
																					BW	MCS Index	Channel	630668	633334	636000	Max. Tune-up											
																												20M	DFT-s-OFDM QPSK	25	13	19.75	19.78	19.64	20.5			
BW	MCS Index	Channel	630668	633334	636166																															Max. Tune-up		
						15M	DFT-s-OFDM QPSK	18	10	19.69																											19.72	19.73
											BW	MCS Index	Channel	630334	633334																							
																10M	DFT-s-OFDM QPSK	12	6	19.71																		

n77 (SCS 30 kHz)_Ant3																																						
BW	MCS Index	RB Size	RB Offset	Channel		Mid	High	Max. Tune-up (dBm)																														
				Channel	Frequency (MHz)																																	
100M	DFT-s-OFDM P2/BPSK	1	1	660000	3765.02	19.13	18.84	18.80	20.5																													
										1	137	18.69	18.67	19.81	20.5																							
																1	271	18.29	18.83	19.07	20.5																	
																						135	69	18.55	18.52	18.82	19.5											
																												135	69	19.77	19.72	19.85	20.5					
																																		135	138	18.58	18.76	18.83
		270	0	18.63	18.62	18.64	19.5																															
								1	1	660000	3765.02	19.81	19.81	20.5																								
															1	137	18.05	18.79	19.25	20.5																		
																					1	271	18.05	18.79	19.25	20.5												
																											135	69	18.58	18.51	18.81	19.5						
																																	135	69	19.91	19.88	19.95	20.5
	135	138	18.67	18.89	18.80	19.5																																
							270	0	18.62	18.58	18.73	19.5																										
													135	69	18.97	19.88	19.09	19.5																				
																			135	69	17.50	17.56	17.54	19														
																									135	69	15.68	15.56	15.52	17								
																															BW	MCS Index	Channel	649668	660000	662332	Max. Tune-up	
	90M	DFT-s-OFDM QPSK	120	63	19.86	19.80																																19.80
							BW	MCS Index	Channel	649334	660000	662666																										
													80M	DFT-s-OFDM QPSK	108	55	19.86	19.78																				
																			BW	MCS Index	Channel	633334	660000	664332														
																									70M	DFT-s-OFDM QPSK	90	50	19.78	19.81								
																															BW	MCS Index	Channel	648668	660000	663332	Max. Tune-up	
60M	DFT-s-OFDM QPSK	81	41	19.88	19.75	19.86																																20.5
							BW	MCS Index	Channel	648334	660000	663666																										
													50M	DFT-s-OFDM QPSK	64	35	19.82	19.85																				
																			BW	MCS Index	Channel	648000	660000	664000														
																									40M	DFT-s-OFDM QPSK	50	28	19.76	19.82								
																															BW	MCS Index	Channel	647334	660000	664666	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	13	19.78	19.74	19.87																																20.5
							BW	MCS Index	Channel	647168	660000	664832																										
													15M	DFT-s-OFDM QPSK	18	10	19.77	19.74																				
																			BW	MCS Index	Channel	647000	660000	665000														
																									10M	DFT-s-OFDM QPSK	12	6	19.82	19.75								

n78 (SCS 30 kHz)_Ant3																																						
BW	MCS Index	RB Size	RB Offset	Channel		Mid	High	Max. Tune-up (dBm)																														
				Channel	Frequency (MHz)																																	
100M	DFT-s-OFDM P2/BPSK	1	1	633000	3500.01	18.93	18.84	18.80	20.5																													
										1	137	18.71	18.68	18.72	20.5																							
																1	271	18.59	18.52	19.5	20.5																	
																						135	69	19.77	19.72	19.85	20.5											
																												135	138	18.56	18.56	19.5	19.5					
																																		270	0	18.83	18.83	19.5
		1	1	633000	3500.01	19.71	19.71	20.5																														
									1	137	18.86	18.86	19.5	20.5																								
															1	271	18.86	18.86	19.5	20.5																		
																					135	69	18.64	19.5	20.5	20.5												
																											135	69	19.91	20.5	20.5	20.5						
																																	135	138	18.64	18.64	19.5	19.5
	270	0	18.65	18.65	19.5	19.5																																
							135	69	18.77	19.5	19.5	19.5																										
													135	69	18.16	19.5	19.5	19.5																				
																			135	69	16.21	17	17	17														
																									BW	MCS Index	Channel	633000	633334	636666	Max. Tune-up							
																																90M	DFT-s-OFDM QPSK	120	63	19.79	19.87	19.73
	BW	MCS Index	Channel	632668	633334	634000																																
							80M	DFT-s-OFDM QPSK	108	55	19.67	19.71																										
													BW	MCS Index	Channel	633334	633334	634332																				
																			70M	DFT-s-OFDM QPSK	90	50	19.73	19.81														
																									BW	MCS Index	Channel	632000	633334	634666	Max. Tune-up							
																																60M	DFT-s-OFDM QPSK	81	41	19.79	19.88	19.84
BW	MCS Index	Channel	631668	633334	635000	Max. Tune-up																																
							50M	DFT-s-OFDM QPSK	64	35	19.74	19.80																										
													BW	MCS Index	Channel	631334	633334	635332																				
																			40M	DFT-s-OFDM QPSK	50	28	19.61	19.89														
																									BW	MCS Index	Channel	630668	633334	636000	Max. Tune-up							
																																20M	DFT-s-OFDM QPSK	25	13	19.67	19.83	19.88
BW	MCS Index	Channel	630668	633334	636166	Max. Tune-up																																
							15M	DFT-s-OFDM QPSK	18	10	19.59	19.74																										
													BW	MCS Index	Channel	630334	633334	636332																				
																			10M	DFT-s-OFDM QPSK	12	6	19.76	19.88														

n41 (SCS 30 kHz)_Ant3																																	
BW	MCS Index	RB Size	RB Offset	Channel		Low	Mid	High	Max. Tune-up (dBm)																								
				Channel	Frequency (MHz)																												
100M	DFT-s-OFDM P2/BPSK	1	1	582000	2592.99	20.10	20.37	20.13	22																								
										1	137	21.12	21.05	20.76	22																		
																1	271	20.08	20.11	20.12	22												
																						135	69	20.00	20.01	19.94	21						
																												135	69	21.03	21.08	20.95	22
		270	0	20.00	20.05	19.66	21																										
								1	1	582000	2592.99	20.14	20.14	22																			
															1	137	21.14	21.26	20.73	22													
																					1	271	20.05	20.14	20.07	22							
																											135	69	20.03	20.13	19.67	21	
																																	135
	135	138	19.96	19.96	19.52	21																											
							270	0	20.04	20.09	19.62	21																					
													135	69	20.39	20.23	20.21	21															
																			135	69	18.93	18.72	18.54	20.5									
																									135	69	17.04	17.12	16.75	18.5			
																															BW	MCS Index	Channel
	90M	DFT-s-OFDM QPSK	120	63																													

NR DSI2 Power

n2 (SCS 15 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P1/2 BPSK	1	1	22.91	23.31	22.90	24.5
		1	53	23.05	23.47	22.82	24.5
		1	104	22.94	23.28	22.81	24.5
		50	0	22.63	22.61	22.77	23.5
		50	28	23.77	23.75	23.71	24.5
		50	56	22.68	22.76	22.59	23.5
	100	0	22.63	22.62	22.78	23.5	
	DFT-s-OFDM QPSK	1	1	23.03	23.42	22.91	24.5
		1	53	23.12	23.54	22.95	24.5
		1	104	23.04	23.42	22.83	24.5
		50	0	22.72	22.75	22.79	23.5
		50	28	23.81	23.84	23.73	24.5
		50	56	22.76	22.86	22.66	23.5
	100	0	22.71	22.79	22.77	23.5	
	DFT-s-OFDM 16QAM	50	28	22.79	22.72	22.74	23.5
	DFT-s-OFDM 64QAM	50	28	21.42	21.33	21.39	23
	DFT-s-OFDM 256QAM	50	28	19.50	19.41	19.47	21
	BW	MCS Index	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	36	22	23.78	23.74	23.65	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	25	14	23.67	23.71	23.62	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	12	7	23.58	23.76	23.63	24.5

n5 (SCS 15 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P1/2 BPSK	1	1	24.24	24.52	24.10	25
		1	53	24.58	24.54	24.34	25
		1	104	24.31	24.36	24.05	25
		50	0	23.28	23.38	23.50	24
		50	28	24.52	24.53	24.51	25
		50	56	23.21	23.48	23.44	24
	100	0	23.33	23.37	23.45	24	
	DFT-s-OFDM QPSK	1	1	24.26	24.33	24.15	25
		1	53	24.49	24.56	24.37	25
		1	104	24.38	24.49	24.15	25
		50	0	23.39	23.42	23.52	24
		50	28	24.53	24.64	24.59	25
		50	56	23.35	23.52	23.56	24
	100	0	23.41	23.51	23.52	24	
	DFT-s-OFDM 16QAM	50	28	23.58	23.60	23.58	24
	DFT-s-OFDM 64QAM	50	28	22.03	22.05	22.10	23.5
	DFT-s-OFDM 256QAM	50	28	20.00	20.09	20.07	21.5
	BW	MCS Index	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	24.49	24.55	24.44	25
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.40	24.39	24.49	25
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	24.58	24.52	24.37	25

n7 (SCS 15 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		505000	507000	509000	
		Frequency (MHz)		2525	2535	2545	
50M	DFT-s-OFDM P1/2 BPSK	1	1	23.37	23.22	23.26	24.5
		1	135	23.42	23.50	23.44	24.5
		1	268	23.18	23.24	23.26	24.5
		135	0	22.92	22.92	22.79	23.5
		135	68	23.98	23.92	23.95	24.5
		135	135	23.02	22.84	22.75	23.5
	270	0	22.88	22.83	22.78	23.5	
	DFT-s-OFDM QPSK	1	1	23.49	23.36	23.33	24.5
		1	135	23.57	23.52	23.45	24.5
		1	268	23.29	23.26	23.30	24.5
		135	0	22.97	23.00	22.94	23.5
		135	68	24.04	24.03	23.99	24.5
		135	135	23.03	22.99	22.84	23.5
	270	0	23.02	22.91	22.85	23.5	
	DFT-s-OFDM 16QAM	135	68	23.07	23.03	23.03	23.5
	DFT-s-OFDM 64QAM	135	68	21.60	21.61	21.57	23
	DFT-s-OFDM 256QAM	135	68	19.68	19.54	19.59	21
	BW	MCS Index	Channel		503500	507000	510500
		Frequency (MHz)		2517.5	2535	2552.5	
40M	DFT-s-OFDM QPSK	108	54	23.99	24.01	23.94	24.5
BW	MCS Index	Channel		503000	507000	511000	Max. Tune-up
		Frequency (MHz)		2515	2535	2555	
30M	DFT-s-OFDM QPSK	80	40	23.95	23.94	23.92	24.5
BW	MCS Index	Channel		502500	507000	511500	Max. Tune-up
		Frequency (MHz)		2512.5	2535	2557.5	
25M	DFT-s-OFDM QPSK	64	35	24.02	23.79	23.91	24.5
BW	MCS Index	Channel		502000	507000	512000	Max. Tune-up
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM QPSK	50	28	24.00	23.86	23.91	24.5
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	36	22	23.89	23.95	23.68	24.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	25	14	23.92	23.75	23.84	24.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	12	7	23.82	23.88	23.91	24.5

n26 (SCS 15 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		164800	166300	167800	
		Frequency (MHz)		824	831.5	839	
20M	DFT-s-OFDM P1/2 BPSK	1	1	23.70	23.96	23.84	25
		1	53	23.74	23.89	23.94	25
		1	104	23.58	23.87	23.70	25
		50	0	22.82	22.93	22.84	24
		50	28	24.01	24.05	24.07	25
		50	56	22.93	22.96	22.98	24
	100	0	22.98	23.11	22.86	24	
	DFT-s-OFDM QPSK	1	1	23.84	23.91	23.86	25
		1	53	23.87	24.03	23.98	25
		1	104	23.73	23.99	23.84	25
		50	0	22.86	23.01	22.96	24
		50	28	24.12	24.20	24.09	25
		50	56	23.04	22.98	23.07	24
	100	0	22.94	23.04	22.99	24	
	DFT-s-OFDM 16QAM	50	28	23.06	23.10	23.08	24
	DFT-s-OFDM 64QAM	50	28	21.62	21.63	21.56	23.5
	DFT-s-OFDM 256QAM	50	28	19.63	19.62	19.58	21.5
	BW	MCS Index	Channel		166300	166300	168300
		Frequency (MHz)		821.5	831.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	23.85	23.98	23.89	25
BW	MCS Index	Channel		163800	166300	168800	Max. Tune-up
		Frequency (MHz)		819	831.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.02	24.08	24.04	25
BW	MCS Index	Channel		163300	166300	169300	Max. Tune-up
		Frequency (MHz)		816.5	831.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	23.77	24.00	23.92	25

n38 (SCS 30 kHz)_Ant4							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
40M	DFT+OFDM P/2 BPSK	1	1	22.98	23.11	22.97	24.5
		1	53	23.57	23.36	23.45	24.5
		1	104	22.78	22.88	22.74	24.5
		50	0	22.37	22.46	22.33	23.5
		50	28	23.49	23.54	23.51	24.5
	DFT+OFDM QPSK	50	56	22.37	22.38	22.36	23.5
		100	0	22.48	22.29	22.45	23.5
		1	1	23.03	23.04	23.00	24.5
		1	53	23.52	23.51	23.54	24.5
		1	104	22.83	22.88	22.88	24.5
	DFT+OFDM 16QAM	50	0	22.45	22.43	22.45	23.5
		50	28	23.51	23.55	23.59	24.5
		50	56	22.41	22.39	22.44	23.5
		100	0	22.50	22.42	22.58	23.5
		50	28	22.70	22.52	22.74	23.5
DFT+OFDM 64QAM	50	28	21.62	21.67	21.54	23	
	50	28	19.61	19.78	19.64	21	
BW	MCS Index	Channel	517000	519000	521000	Max. Tune-up	
30M	DFT+OFDM QPSK	Frequency (MHz)	2885	2895	2895	24.5	
BW	MCS Index	Channel	516500	519000	521500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2892.5	2895	2897.5	24.5	
25M	DFT+OFDM QPSK	Channel	516000	519000	522000	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2890	2895	2895	24.5	
20M	DFT+OFDM QPSK	Channel	515500	519000	522500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2877.5	2895	2892.5	24.5	
15M	DFT+OFDM QPSK	Channel	515000	519000	523000	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2875	2895	2895	24.5	
10M	DFT+OFDM QPSK	Channel	514500	519000	523500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2872.5	2895	2895	24.5	

n41 (SCS 30 kHz)_Ant4							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
100M	DFT+OFDM P/2 BPSK	1	1	23.17	23.08	22.93	24.5
		1	137	23.95	23.90	23.92	24.5
		1	271	22.89	23.16	23.05	24.5
		135	0	22.54	22.78	22.55	23.5
		135	69	24.06	23.91	23.88	24.5
	DFT+OFDM QPSK	135	138	22.63	22.87	22.74	23.5
		270	0	22.61	22.84	22.57	23.5
		1	1	23.11	23.12	22.96	24.5
		1	137	23.84	24.04	23.85	24.5
		1	271	22.96	23.24	23.07	24.5
	DFT+OFDM 16QAM	135	0	22.59	22.84	22.59	23.5
		135	69	23.85	24.06	23.94	24.5
		135	138	22.66	22.92	22.76	23.5
		270	0	22.70	22.87	22.71	23.5
		135	69	22.93	22.94	22.98	23.5
DFT+OFDM 64QAM	135	69	21.63	21.71	21.57	23	
	135	69	19.71	19.62	19.55	21	
BW	MCS Index	Channel	582000	518998	528996	Max. Tune-up	
90M	DFT+OFDM QPSK	Frequency (MHz)	2841	2892.99	2844.98	24.5	
BW	MCS Index	Channel	587200	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2836.03	2892.99	2838.98	24.5	
80M	DFT+OFDM QPSK	Channel	582000	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2831.01	2892.99	2835	24.5	
70M	DFT+OFDM QPSK	Channel	580000	518998	531998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2826	2892.99	2828.98	24.5	
60M	DFT+OFDM QPSK	Channel	574200	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2821.02	2892.99	2824.99	24.5	
50M	DFT+OFDM QPSK	Channel	568400	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2816.01	2892.99	2819.98	24.5	
40M	DFT+OFDM QPSK	Channel	562600	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2811	2892.99	2814.98	24.5	
30M	DFT+OFDM QPSK	Channel	556800	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2806.02	2892.99	2809.99	24.5	
20M	DFT+OFDM QPSK	Channel	551000	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2801.01	2892.99	2805	24.5	
15M	DFT+OFDM QPSK	Channel	545200	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2796.02	2892.99	2799.99	24.5	
10M	DFT+OFDM QPSK	Channel	539400	518998	529998	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	2791.01	2892.99	2795	24.5	

n66 (SCS 15 kHz)_Ant4							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
40M	DFT+OFDM P/2 BPSK	1	1	23.25	23.39	23.12	25
		1	107	23.73	23.92	23.77	25
		1	214	23.18	23.02	23.16	25
		108	0	22.83	22.86	22.84	24
		108	54	23.98	24.08	23.87	25
	DFT+OFDM QPSK	108	108	22.66	22.56	22.67	24
		216	0	22.70	22.80	22.62	24
		1	1	23.40	23.33	23.21	25
		1	107	23.82	23.94	23.80	25
		1	214	23.26	23.17	23.20	25
	DFT+OFDM 16QAM	108	0	22.85	22.98	22.89	24
		108	54	24.04	24.18	23.94	25
		108	108	22.80	23.01	22.71	24
		216	0	22.81	22.88	22.75	24
		108	54	22.77	22.84	22.67	24
DFT+OFDM 64QAM	108	54	21.62	21.74	21.59	23.5	
	108	54	19.87	19.90	19.91	21.5	
BW	MCS Index	Channel	345500	349000	352500	Max. Tune-up	
35M	DFT+OFDM QPSK	Frequency (MHz)	1727.5	1745	1762.5	25	
BW	MCS Index	Channel	345500	349000	352500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	1725	1745	1765	25	
30M	DFT+OFDM QPSK	Channel	344000	349000	352500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	1722.5	1745	1767.5	25	
25M	DFT+OFDM QPSK	Channel	342500	349000	352500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	1720	1745	1770	25	
20M	DFT+OFDM QPSK	Channel	341000	349000	352500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	1717.5	1745	1772.5	25	
15M	DFT+OFDM QPSK	Channel	340000	349000	352500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	1715	1745	1775	25	
10M	DFT+OFDM QPSK	Channel	339000	349000	352500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	1712.5	1745	1777.5	25	
5M	DFT+OFDM QPSK	Channel	338000	349000	352500	Max. Tune-up	
BW	MCS Index	Frequency (MHz)	1710	1745	1780	25	

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n41 (SCS 30 kHz)_Ant7								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		509202	518598	528000		
		Frequency (MHz)		2546.01	2592.99	2640		
100M	DFT-s-OFDM Pi/2 BPSK	1	1	19.37	19.40	19.11	21	
		1	137	20.07	20.28	20.09	21	
		1	271	19.06	19.27	19.02	21	
		135	0	19.19	19.13	19.06	20	
		135	69	20.21	20.22	20.13	21	
		135	138	19.21	19.12	19.07	20	
	DFT-s-OFDM QPSK	270	0	19.06	19.17	19.02	20	
		1	1	19.42	19.43	19.13	21	
		1	137	20.13	20.24	20.07	21	
		1	271	19.16	19.36	19.11	21	
		135	0	19.15	19.17	19.08	20	
		135	69	20.26	20.30	20.08	21	
	DFT-s-OFDM 16QAM	135	138	19.05	19.11	19.04	20	
		270	0	19.07	19.18	19.09	20	
		135	69	19.32	19.25	19.16	20	
DFT-s-OFDM 64QAM	135	69	17.83	17.69	17.61	19.5		
DFT-s-OFDM 256QAM	135	69	15.91	15.70	15.80	17.5		
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up	
		Frequency (MHz)		2541	2592.99	2644.98		
90M	DFT-s-OFDM QPSK	120	63	20.18	20.13	20.11	21	
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up	
		Frequency (MHz)		2536.02	2592.99	2649.99		
80M	DFT-s-OFDM QPSK	108	55	20.17	20.08	20.13	21	
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up	
		Frequency (MHz)		2531.01	2592.99	2655		
70M	DFT-s-OFDM QPSK	90	50	20.22	20.29	20.05	21	
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up	
		Frequency (MHz)		2526	2592.99	2659.98		
60M	DFT-s-OFDM QPSK	81	41	20.06	20.21	20.17	21	
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up	
		Frequency (MHz)		2521.02	2592.99	2664.99		
50M	DFT-s-OFDM QPSK	64	35	20.04	20.16	20.08	21	
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up	
		Frequency (MHz)		2516.01	2592.99	2670		
40M	DFT-s-OFDM QPSK	50	28	20.17	20.20	20.15	21	
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up	
		Frequency (MHz)		2511	2592.99	2674.98		
30M	DFT-s-OFDM QPSK	36	21	20.14	20.25	20.02	21	
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up	
		Frequency (MHz)		2506.02	2592.99	2679.99		
20M	DFT-s-OFDM QPSK	25	13	20.23	20.04	20.06	21	
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up	
		Frequency (MHz)		2503.5	2592.99	2682.48		
15M	DFT-s-OFDM QPSK	18	10	20.14	20.22	20.04	21	
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up	
		Frequency (MHz)		2501.01	2592.99	2685		
10M	DFT-s-OFDM QPSK	12	6	20.18	20.17	20.12	21	

n48 (SCS 30 kHz)_Ant7								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		640000	641666	643332		
		Frequency (MHz)		3600	3624.99	3649.98		
100M	DFT-s-OFDM Pi/2 BPSK	1	1	17.21	17.24	16.85	18.5	
		1	137	17.03	16.82	16.84	18.5	
		1	271	17.02	17.17	16.77	18.5	
		135	0	16.85	17.13	17.08	18.5	
		135	69	17.18	17.06	17.13	18.5	
		135	138	16.95	17.15	17.24	18.5	
	DFT-s-OFDM QPSK	270	0	17.21	16.85	17.17	18.5	
		1	1	17.08	16.92	16.87	18.5	
		1	137	17.10	17.05	17.01	18.5	
		1	271	16.95	16.87	16.94	18.5	
		135	0	17.20	17.04	16.69	18.5	
		135	69	17.25	17.16	17.14	18.5	
	DFT-s-OFDM 16QAM	135	138	17.15	17.08	17.13	18.5	
		270	0	17.20	17.05	17.02	18.5	
		135	69	17.21	17.07	17.17	18.5	
DFT-s-OFDM 64QAM	135	69	16.97	16.97	17.08	18.5		
DFT-s-OFDM 256QAM	135	69	17.13	17.19	17.14	18.5		
BW	MCS Index	Channel		639668	641666	643666	Max. Tune-up	
		Frequency (MHz)		3595.02	3624.99	3654.99		
90M	DFT-s-OFDM QPSK	120	63	16.91	17.02	16.67	18.5	
BW	MCS Index	Channel		639334	641666	644000	Max. Tune-up	
		Frequency (MHz)		3590.01	3624.99	3660		
80M	DFT-s-OFDM QPSK	108	55	17.10	17.12	16.71	18.5	
BW	MCS Index	Channel		639000	641666	644332	Max. Tune-up	
		Frequency (MHz)		3585	3624.99	3664.98		
70M	DFT-s-OFDM QPSK	90	50	16.94	16.76	16.82	18.5	
BW	MCS Index	Channel		638668	641666	644666	Max. Tune-up	
		Frequency (MHz)		3580.02	3624.99	3669.99		
60M	DFT-s-OFDM QPSK	81	41	17.19	17.02	16.61	18.5	
BW	MCS Index	Channel		638334	641666	645000	Max. Tune-up	
		Frequency (MHz)		3575.01	3624.99	3675		
50M	DFT-s-OFDM QPSK	64	35	17.09	17.03	17.06	18.5	
BW	MCS Index	Channel		638000	641666	645332	Max. Tune-up	
		Frequency (MHz)		3570	3624.99	3679.98		
40M	DFT-s-OFDM QPSK	50	28	16.84	16.86	17.00	18.5	
BW	MCS Index	Channel		637668	641666	645666	Max. Tune-up	
		Frequency (MHz)		3565.02	3624.99	3684.99		
30M	DFT-s-OFDM QPSK	36	21	16.97	16.68	16.74	18.5	
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up	
		Frequency (MHz)		3560.01	3624.99	3690		
20M	DFT-s-OFDM QPSK	25	13	16.91	17.13	17.09	18.5	
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up	
		Frequency (MHz)		3557.52	3624.99	3692.49		
15M	DFT-s-OFDM QPSK	18	10	16.87	16.75	16.90	18.5	
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up	
		Frequency (MHz)		3555	3624.99	3694.98		
10M	DFT-s-OFDM QPSK	12	6	17.14	17.07	17.11	18.5	

(ENDC Only) n77 (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size RB Offset		Mid Channel	Max. Tune-up (dBm)				
		Frequency (MHz)							
100M	DFT-s-OFDM P1/2 BPSK	1	1	63334	18.5				
		1	137	17.51	18.5				
		1	271	17.37	18.5				
		135	0	17.46	18.5				
		135	69	17.50	18.5				
		135	138	17.66	18.5				
	270	0	17.22	18.5					
	DFT-s-OFDM QPSK	1	1	17.15	18.5				
		1	137	17.53	18.5				
		1	271	17.32	18.5				
		135	0	17.44	18.5				
		135	69	17.78	18.5				
		135	138	17.46	18.5				
	270	0	17.61	18.5					
	DFT-s-OFDM 16QAM	1	137	17.54	18.5				
		DFT-s-OFDM 64QAM	1	137	17.43	18.5			
			DFT-s-OFDM 256QAM	1	137	17.59	18.5		
				1	137	17.59	18.5		
BW				MCS Index	Channel	63300	63334	63866	Max. Tune-up
90M				DFT-s-OFDM QPSK	120	63	17.64	17.63	18.5
BW	MCS Index			Channel	63268	63334	63400	Max. Tune-up	
80M	DFT-s-OFDM QPSK	108		55	17.59	17.53	18.5		
BW	MCS Index	Channel	63234	63334	63432	Max. Tune-up			
70M	DFT-s-OFDM QPSK	90	50	17.57	17.60	18.5			
BW	MCS Index	Channel	63200	63334	63466	Max. Tune-up			
60M	DFT-s-OFDM QPSK	81	41	17.57	17.54	18.5			
BW	MCS Index	Channel	63168	63334	63500	Max. Tune-up			
50M	DFT-s-OFDM QPSK	64	35	17.62	17.59	18.5			
BW	MCS Index	Channel	63134	63334	63532	Max. Tune-up			
40M	DFT-s-OFDM QPSK	50	28	17.63	17.57	18.5			
BW	MCS Index	Channel	63068	63334	63600	Max. Tune-up			
20M	DFT-s-OFDM QPSK	25	13	17.49	17.61	18.5			
BW	MCS Index	Channel	63000	63334	63666	Max. Tune-up			
15M	DFT-s-OFDM QPSK	18	10	17.57	17.60	18.5			
BW	MCS Index	Channel	63034	63334	63632	Max. Tune-up			
10M	DFT-s-OFDM QPSK	12	6	17.58	17.60	18.5			

(ENDC Only) n77 (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size RB Offset		Mid Channel	High	Max. Tune-up (dBm)			
		Frequency (MHz)							
100M	DFT-s-OFDM P1/2 BPSK	1	1	65000	65000	65000			
		1	137	17.61	17.32	17.48			
		1	271	17.51	17.55	17.32			
		135	0	17.24	17.72	17.55			
		135	69	17.77	17.72	17.70			
		135	138	17.55	17.69	17.68			
	270	0	17.76	17.36	17.69				
	DFT-s-OFDM QPSK	1	1	17.63	17.34	17.42			
		1	137	17.55	17.68	17.78			
		1	271	17.54	17.48	17.40			
		135	0	17.73	17.52	17.16			
		135	69	17.63	17.64	17.69			
		135	138	17.77	17.64	17.74			
	270	0	17.65	17.63	17.83				
	DFT-s-OFDM 16QAM	1	137	17.84	17.68	17.84			
		DFT-s-OFDM 64QAM	1	137	17.50	17.58	17.68		
			DFT-s-OFDM 256QAM	1	137	17.71	17.69	17.61	
				1	137	17.71	17.69	17.61	
BW				MCS Index	Channel	64868	65000	65232	Max. Tune-up
90M				DFT-s-OFDM QPSK	120	63	17.78	17.60	17.91
BW	MCS Index			Channel	64834	65000	65266	Max. Tune-up	
80M	DFT-s-OFDM QPSK	108		55	17.71	17.49	17.95		
BW	MCS Index	Channel	63234	65000	63432	Max. Tune-up			
70M	DFT-s-OFDM QPSK	90	50	17.80	17.54	17.84			
BW	MCS Index	Channel	64868	65000	65332	Max. Tune-up			
60M	DFT-s-OFDM QPSK	81	41	17.74	17.63	17.98			
BW	MCS Index	Channel	64834	65000	65366	Max. Tune-up			
50M	DFT-s-OFDM QPSK	64	35	17.77	17.57	17.93			
BW	MCS Index	Channel	64800	65000	65400	Max. Tune-up			
40M	DFT-s-OFDM QPSK	50	28	17.80	17.50	17.92			
BW	MCS Index	Channel	64734	65000	65466	Max. Tune-up			
20M	DFT-s-OFDM QPSK	25	13	17.72	17.60	18.5			
BW	MCS Index	Channel	64800	65000	65482	Max. Tune-up			
15M	DFT-s-OFDM QPSK	18	10	17.69	17.63	17.99			
BW	MCS Index	Channel	64700	65000	65500	Max. Tune-up			
10M	DFT-s-OFDM QPSK	12	6	17.73	17.60	18.5			

(ENDC Only) n78 (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size RB Offset		Mid Channel	Max. Tune-up (dBm)				
		Frequency (MHz)							
100M	DFT-s-OFDM P1/2 BPSK	1	1	63334	18.5				
		1	137	17.35	18.5				
		1	271	17.34	18.5				
		135	0	17.06	18.5				
		135	69	17.43	18.5				
		135	138	17.38	18.5				
	270	0	17.48	18.5					
	DFT-s-OFDM QPSK	1	1	17.47	18.5				
		1	137	17.54	18.5				
		1	271	17.40	18.5				
		135	0	17.50	18.5				
		135	69	17.72	18.5				
		135	138	17.60	18.5				
	270	0	17.64	18.5					
	DFT-s-OFDM 16QAM	1	137	17.51	18.5				
		DFT-s-OFDM 64QAM	1	137	17.41	18.5			
			DFT-s-OFDM 256QAM	1	137	17.27	18.5		
				1	137	17.27	18.5		
BW				MCS Index	Channel	63200	63334	63866	Max. Tune-up
90M				DFT-s-OFDM QPSK	120	63	17.43	17.32	17.56
BW	MCS Index			Channel	63268	63334	63400	Max. Tune-up	
80M	DFT-s-OFDM QPSK	108		55	17.60	17.42	17.72		
BW	MCS Index	Channel	63234	63334	63432	Max. Tune-up			
70M	DFT-s-OFDM QPSK	90	50	17.77	17.47	17.72			
BW	MCS Index	Channel	63200	63334	63466	Max. Tune-up			
60M	DFT-s-OFDM QPSK	81	41	17.65	17.42	17.75			
BW	MCS Index	Channel	63168	63334	63500	Max. Tune-up			
50M	DFT-s-OFDM QPSK	64	35	17.48	17.42	17.59			
BW	MCS Index	Channel	63134	63334	63532	Max. Tune-up			
40M	DFT-s-OFDM QPSK	50	28	17.60	17.52	17.73			
BW	MCS Index	Channel	63068	63334	63600	Max. Tune-up			
20M	DFT-s-OFDM QPSK	25	13	17.75	17.71	18.5			
BW	MCS Index	Channel	63000	63334	63666	Max. Tune-up			
15M	DFT-s-OFDM QPSK	18	10	18.51	18.69	18.5			
BW	MCS Index	Channel	63034	63334	63632	Max. Tune-up			
10M	DFT-s-OFDM QPSK	12	6	17.74	17.61	18.5			

n77 (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size RB Offset		Mid Channel	Max. Tune-up (dBm)				
		Frequency (MHz)							
100M	DFT-s-OFDM P1/2 BPSK	1	1	19.72	20.5				
		1	137	19.81	20.5				
		1	271	19.71	20.5				
		135	0	19.75	20.5				
		135	69	19.49	20.5				
		135	138	19.50	20.5				
	270	0	19.63	20.5					
	DFT-s-OFDM QPSK	1	1	19.68	20.5				
		1	137	19.78	20.5				
		1	271	19.71	20.5				
		135	0	19.89	20.5				
		135	69	19.80	20.5				
		135	138	19.67	20.5				
	270	0	19.67	20.5					
	DFT-s-OFDM 16QAM	1	137	19.61	20.5				
		DFT-s-OFDM 64QAM	1	137	19.52	20.5			
			DFT-s-OFDM 256QAM	1	137	19.60	20.5		
				1	137	19.60	20.5		
BW				MCS Index	Channel	63300	63334	63866	Max. Tune-up
90M				DFT-s-OFDM QPSK	120	63	19.67	19.73	19.14
BW	MCS Index			Channel	63268	63334	63400	Max. Tune-up	
80M	DFT-s-OFDM QPSK	108		55	19.54	19.15	19.38		
BW	MCS Index	Channel	63234	63334	63432	Max. Tune-up			
70M	DFT-s-OFDM QPSK	90	50	19.37	19.35	19.24			
BW	MCS Index	Channel	63200	63334	63466	Max. Tune-up			
60M	DFT-s-OFDM QPSK	81	41	19.47	19.49	19.52			
BW	MCS Index	Channel	63168	63334	63500	Max. Tune-up			
50M	DFT-s-OFDM QPSK	64	35	19.62	19.30	19.57			
BW	MCS Index	Channel	63134	63334	63532	Max. Tune-up			
40M	DFT-s-OFDM QPSK	50	28	19.51	19.29	19.18			
BW	MCS Index	Channel	63068	63334	63600	Max. Tune-up			
20M	DFT-s-OFDM QPSK	25	13	19.63	19.45	19.58			
BW	MCS Index	Channel	63000	63334	63666	Max. Tune-up			
15M	DFT-s-OFDM QPSK	18	10	19.73	19.67	19.71			
BW	MCS Index	Channel	63034	63334	63632	Max. Tune-up			
10M	DFT-s-OFDM QPSK	12	6	19.66	19.52	19.50			

n77 (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size RB Offset		Mid Channel	High	Max. Tune-up (dBm)			
		Frequency (MHz)							
100M	DFT-s-OFDM P1/2 BPSK	1	1	19.77	19.78	19.24			
		1	137	19.26	19.42	20.5			
		1	271	19.42	19.43	19.27			
		135	0	19.11	19.65	19.45			
		135	69	19.73	19.60	19.55			
		135	138	19.54	19.57	19.63			
	270	0	19.67	19.31	19.66				
	DFT-s-OFDM QPSK	1	1	19.48	19.20	19.40			
		1	137	19.63	19.43	20.5			
		1	271	19.52	19.41	19.27			
		135	0	19.72	19.50	19.08			
		135	69	19.80	19.65	19.67			
		135	138	19.64	19.53	19.72			
	270	0	19.64	19.55	19.68				
	DFT-s-OFDM 16QAM	1	137	19.78	19.65	19.74			
		DFT-s-OFDM 64QAM	1	137	19.40	19.44	19.63		
			DFT-s-OFDM 256QAM	1	137	19.58	19.64	19.69	
				1	137	19.58	19.64	19.69	
BW				MCS Index	Channel	64868	65000	65232	Max. Tune-up
90M				DFT-s-OFDM QPSK	120	63	19.38	19.42	19.25
BW	MCS Index			Channel	64834	65000	65266	Max. Tune-up	
80M	DFT-s-OFDM QPSK	108		55	19.61	19.54	19.44		
BW	MCS Index	Channel	63234	65000	63432	Max. Tune-up			
70M	DFT-s-OFDM QPSK	90	50	19.35	19.13	19.29			
BW	MCS Index	Channel	64868	65000	65332	Max. Tune-up			
60M	DFT-s-OFDM QPSK	81	41	19.46	19.53	19.57			
BW	MCS Index	Channel	64834	65000	65366	Max. Tune-up			
50M	DFT-s-OFDM QPSK	64	35	19.68	19.48	19.06			
BW	MCS Index	Channel	64800	65000	65400	Max. Tune-up			
40M	DFT-s-OFDM QPSK	50	28	19.60	19.42	19.70			
BW	MCS Index	Channel	64734	65000	65466	Max. Tune-up			
20M	DFT-s-OFDM QPSK	25	13	19.51	19.47	19.64			
BW	MCS Index	Channel							

NR DSI4 Power

n2 (SCS 15 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	17.81	17.69	17.71	19
		1	53	17.94	17.98	17.75	19
		1	104	17.73	17.88	17.92	19
		50	0	17.85	17.94	18.18	19
		50	28	18.14	18.04	17.85	19
		50	56	17.74	17.89	17.91	19
	100	0	17.82	17.84	17.84	19	
	DFT-s-OFDM QPSK	1	1	18.06	18.10	17.88	19
		1	53	18.16	18.25	18.13	19
		1	104	18.14	18.07	18.23	19
		50	0	18.05	18.22	18.11	19
		50	28	18.20	18.31	18.14	19
		50	56	18.09	18.24	18.03	19
	100	0	18.14	18.16	18.09	19	
	DFT-s-OFDM 16QAM	50	28	18.03	18.01	18.00	19
	DFT-s-OFDM 64QAM	50	28	17.77	18.07	18.03	19
	DFT-s-OFDM 256QAM	50	28	17.96	17.94	17.91	19
	BW	MCS Index	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	36	22	17.71	17.83	17.86	19
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	25	14	17.71	17.83	17.86	19
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	12	7	17.90	18.10	17.99	19

n5 (SCS 15 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.90	23.84	23.89	25.5
		1	53	23.99	24.06	23.93	25.5
		1	104	23.91	24.05	23.81	25.5
		50	0	23.55	23.66	23.59	24.5
		50	28	24.71	24.60	24.69	25.5
		50	56	23.62	23.51	23.59	24.5
	100	0	23.58	23.71	23.61	24.5	
	DFT-s-OFDM QPSK	1	1	23.95	23.95	23.94	25.5
		1	53	24.08	24.11	24.05	25.5
		1	104	23.92	24.10	23.96	25.5
		50	0	23.66	23.71	23.69	24.5
		50	28	24.73	24.75	24.74	25.5
		50	56	23.65	23.59	23.63	24.5
	100	0	23.68	23.74	23.69	24.5	
	DFT-s-OFDM 16QAM	50	28	23.73	23.82	23.71	24.5
	DFT-s-OFDM 64QAM	50	28	22.45	22.53	22.47	24
	DFT-s-OFDM 256QAM	50	28	20.28	20.37	20.31	22
	BW	MCS Index	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	24.59	24.71	24.65	25.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.67	24.68	24.61	25.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	24.72	24.73	24.66	25.5

n7 (SCS 15 kHz)_Ant1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		505000	507000	509000	
		Frequency (MHz)		2525	2535	2545	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	21.49	21.58	21.43	23
		1	135	21.73	21.73	21.55	23
		1	268	21.33	21.55	21.46	23
		135	0	21.49	21.48	21.55	23
		135	68	21.68	21.56	21.78	23
		135	135	21.56	21.52	21.56	23
	270	0	21.51	21.61	21.58	23	
	DFT-s-OFDM QPSK	1	1	21.58	21.55	21.47	23
		1	135	21.67	21.76	21.72	23
		1	268	21.43	21.68	21.55	23
		135	0	21.58	21.64	21.68	23
		135	68	21.68	21.88	21.75	23
		135	135	21.59	21.70	21.59	23
	270	0	21.54	21.67	21.62	23	
	DFT-s-OFDM 16QAM	135	68	21.73	21.82	21.73	23
	DFT-s-OFDM 64QAM	135	68	21.55	21.54	21.56	23
	DFT-s-OFDM 256QAM	135	68	19.83	19.56	19.60	21.5
	BW	MCS Index	Channel		503500	507000	510500
		Frequency (MHz)		2517.5	2535	2552.5	
40M	DFT-s-OFDM QPSK	108	54	21.66	21.69	21.51	23
BW	MCS Index	Channel		503000	507000	511000	Max. Tune-up
		Frequency (MHz)		2515	2535	2555	
30M	DFT-s-OFDM QPSK	80	40	21.59	21.44	21.70	23
BW	MCS Index	Channel		502500	507000	511500	Max. Tune-up
		Frequency (MHz)		2512.5	2535	2557.5	
25M	DFT-s-OFDM QPSK	64	35	21.58	21.71	21.72	23
BW	MCS Index	Channel		502000	507000	512000	Max. Tune-up
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM QPSK	50	28	21.42	21.55	21.47	23
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	36	22	21.56	21.63	21.77	23
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	25	14	21.54	21.39	21.42	23
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	12	7	21.64	21.61	21.48	23

n26 (SCS 15 kHz)_Ant 1							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		164800	166300	167800	
		Frequency (MHz)		824	831.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.41	24.30	24.49	25.5
		1	53	24.39	24.39	24.41	25.5
		1	104	24.18	24.36	24.30	25.5
		50	0	23.36	23.58	23.45	24.5
		50	28	24.62	24.56	24.55	25.5
		50	56	23.60	23.45	23.49	24.5
	100	0	23.71	23.68	23.57	24.5	
	DFT-s-OFDM QPSK	1	1	24.48	24.45	24.42	25.5
		1	53	24.52	24.54	24.46	25.5
		1	104	24.32	24.39	24.37	25.5
		50	0	23.49	23.63	23.55	24.5
		50	28	24.67	24.70	24.58	25.5
		50	56	23.61	23.57	23.51	24.5
	100	0	23.54	23.59	23.48	24.5	
	DFT-s-OFDM 16QAM	50	28	23.69	23.60	23.56	24.5
	DFT-s-OFDM 64QAM	50	28	22.11	22.09	22.06	24
	DFT-s-OFDM 256QAM	50	28	20.07	20.03	20.08	22
	BW	MCS Index	Channel		166300	166300	168300
		Frequency (MHz)		821.5	831.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	24.37	24.48	24.31	25.5
BW	MCS Index	Channel		163800	166300	168800	Max. Tune-up
		Frequency (MHz)		819	831.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.64	24.59	24.50	25.5
BW	MCS Index	Channel		163300	166300	169300	Max. Tune-up
		Frequency (MHz)		816.5	831.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	24.51	24.49	24.37	25.5

n38 (SCS 30 kHz)_Ant1								
BW	MCS Index	RB Offset		Low	Mid	High	Max. Tune-up (dBm)	
		Channel	Frequency (MHz)					
40M	DFT-s-OFDM P1/2 BPSK	1	1	22.26	22.40	22.27	23.5	
		1	53	22.48	22.37	22.38	23.5	
		1	104	22.36	22.19	21.97	23.5	
		50	0	22.25	22.45	22.18	23.5	
		50	28	22.44	22.52	22.50	23.5	
		50	56	22.27	22.34	22.20	23.5	
	DFT-s-OFDM QPSK	100	0	22.22	22.28	22.36	23.5	
		1	1	22.31	22.35	22.40	23.5	
		1	53	22.53	22.42	22.46	23.5	
		1	104	22.36	22.17	22.14	23.5	
		50	0	22.37	22.43	22.32	23.5	
		50	28	22.54	22.49	22.47	23.5	
	DFT-s-OFDM 16QAM	100	0	22.48	22.43	22.38	23.5	
		50	28	22.37	22.23	22.44	23.5	
	DFT-s-OFDM 64QAM	100	0	22.13	21.98	22.09	23.5	
		50	28	19.67	19.63	19.65	21.5	
	BW	MCS Index	Channel	Frequency (MHz)	517000	519000	521000	Max. Tune-up
	30M	DFT-s-OFDM QPSK	36	21	22.44	22.23	22.25	23.5
BW	MCS Index	Channel	Frequency (MHz)	516500	519000	521500	Max. Tune-up	
25M	DFT-s-OFDM QPSK	32	17	22.20	22.32	22.14	23.5	
BW	MCS Index	Channel	Frequency (MHz)	516000	519000	522000	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	13	22.24	22.39	22.14	23.5	
BW	MCS Index	Channel	Frequency (MHz)	515500	519000	522500	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	10	22.42	22.31	22.34	23.5	
BW	MCS Index	Channel	Frequency (MHz)	515000	519000	523000	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	22.75	22.39	22.21	23.5	

n41 (SCS 30 kHz)_Ant1								
BW	MCS Index	RB Offset		Low	Mid	High	Max. Tune-up (dBm)	
		Channel	Frequency (MHz)					
100M	DFT-s-OFDM P1/2 BPSK	1	1	21.06	20.98	20.78	22.5	
		1	137	21.24	21.14	21.26	22.5	
		1	271	21.01	20.98	20.94	22.5	
		135	0	21.11	21.05	21.18	22.5	
		135	69	21.28	21.32	21.29	22.5	
		135	138	21.09	21.04	20.98	22.5	
	DFT-s-OFDM QPSK	270	0	21.15	21.17	21.08	22.5	
		1	1	21.15	20.98	20.98	22.5	
		1	137	21.25	21.38	21.35	22.5	
		135	0	21.21	20.99	21.07	22.5	
		135	69	21.26	21.16	21.21	22.5	
		135	69	21.43	21.48	21.27	22.5	
	DFT-s-OFDM 16QAM	270	0	21.20	21.32	21.21	22.5	
		135	69	21.34	21.28	21.26	22.5	
	DFT-s-OFDM 64QAM	135	69	21.16	21.12	21.05	22.5	
		135	69	19.77	19.64	19.60	21.5	
	BW	MCS Index	Channel	Frequency (MHz)	508200	518980	529980	Max. Tune-up
	90M	DFT-s-OFDM QPSK	120	63	21.21	21.04	21.13	22.5
BW	MCS Index	Channel	Frequency (MHz)	507200	518980	529980	Max. Tune-up	
80M	DFT-s-OFDM QPSK	108	65	21.09	20.94	21.11	22.5	
BW	MCS Index	Channel	Frequency (MHz)	506200	518980	531000	Max. Tune-up	
70M	DFT-s-OFDM QPSK	90	50	21.03	20.98	20.97	22.5	
BW	MCS Index	Channel	Frequency (MHz)	505200	518980	531996	Max. Tune-up	
60M	DFT-s-OFDM QPSK	81	41	21.20	21.25	21.24	22.5	
BW	MCS Index	Channel	Frequency (MHz)	504204	518980	532993	Max. Tune-up	
50M	DFT-s-OFDM QPSK	64	35	21.07	21.22	21.19	22.5	
BW	MCS Index	Channel	Frequency (MHz)	503202	518980	534000	Max. Tune-up	
40M	DFT-s-OFDM QPSK	50	28	21.29	21.37	21.16	22.5	
BW	MCS Index	Channel	Frequency (MHz)	502200	518980	534996	Max. Tune-up	
30M	DFT-s-OFDM QPSK	36	21	21.21	21.27	21.19	22.5	
BW	MCS Index	Channel	Frequency (MHz)	501204	518980	535993	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	13	21.19	21.23	21.31	22.5	
BW	MCS Index	Channel	Frequency (MHz)	500700	518980	536496	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	10	21.22	21.26	21.23	22.5	
BW	MCS Index	Channel	Frequency (MHz)	500202	518980	537000	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	21.31	21.36	21.21	22.5	

n66 (SCS 15 kHz)_Ant1							
BW	MCS Index	RB Offset		Low	Mid	High	Max. Tune-up (dBm)
		Channel	Frequency (MHz)				
40M	DFT-s-OFDM P1/2 BPSK	1	1	18.43	18.30	18.34	20
		1	107	18.52	18.58	18.29	20
		1	214	18.29	18.46	18.46	20
		108	0	18.40	18.03	18.79	20
		108	54	18.87	18.66	18.51	20
		108	108	18.30	18.45	18.56	20
	DFT-s-OFDM QPSK	216	0	18.44	18.49	18.41	20
		1	1	18.71	18.65	18.56	20
		1	107	18.81	18.86	18.75	20
		1	214	18.69	18.75	18.67	20
		108	0	18.65	18.82	18.65	20
		108	54	18.86	18.91	18.76	20
	DFT-s-OFDM 16QAM	108	108	18.67	18.88	18.62	20
		216	0	18.70	18.84	18.68	20
	DFT-s-OFDM 64QAM	108	54	18.66	18.64	18.60	20
		108	54	18.41	18.71	18.68	20
	DFT-s-OFDM 256QAM	108	54	18.49	18.57	18.55	20
		BW	MCS Index	Channel	Frequency (MHz)	345500	349000
35M	DFT-s-OFDM QPSK	90	49	18.17	18.39	18.34	20
BW	MCS Index	Channel	Frequency (MHz)	345000	349000	352000	Max. Tune-up
30M	DFT-s-OFDM QPSK	80	40	18.48	18.51	18.20	20
BW	MCS Index	Channel	Frequency (MHz)	344500	349000	352000	Max. Tune-up
25M	DFT-s-OFDM QPSK	64	35	18.64	18.56	18.36	20
BW	MCS Index	Channel	Frequency (MHz)	344000	349000	354000	Max. Tune-up
20M	DFT-s-OFDM QPSK	50	28	18.37	18.48	18.31	20
BW	MCS Index	Channel	Frequency (MHz)	343500	349000	354500	Max. Tune-up
15M	DFT-s-OFDM QPSK	36	22	18.55	18.74	18.64	20
BW	MCS Index	Channel	Frequency (MHz)	343000	349000	355000	Max. Tune-up
10M	DFT-s-OFDM QPSK	25	14	18.65	18.59	18.40	20
BW	MCS Index	Channel	Frequency (MHz)	342500	349000	355000	Max. Tune-up
5M	DFT-s-OFDM QPSK	12	7	18.56	18.75	18.52	20

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n77 (SCS 30 kHz) Ant2								
BW	MCS Index	RB Size	RB Offset	Mid	Max. Tune-up	(dBm)		
		Channel	Frequency (MHz)	633334	3509.01			
100M	DFT-s-OFDM FV2 BPSK	1	1	20.83	20.83	22		
		1	137	20.85	20.83	22		
		1	271	20.86	20.82	22		
		135	0	20.40	20.82	22		
		135	69	20.75	20.82	22		
		135	138	20.44	20.82	22		
		270	0	20.80	20.82	22		
		270	0	20.86	20.82	22		
	DFT-s-OFDM QPSK	1	137	20.75	20.82	22		
		1	271	20.87	20.82	22		
		135	0	20.84	20.82	22		
		135	69	20.89	20.82	22		
		135	138	20.63	20.82	22		
		270	0	20.86	20.82	22		
		270	0	20.73	20.82	22		
		270	0	20.95	20.82	21.5		
	DFT-s-OFDM 16QAM	135	69	20.60	20.82	22		
		135	69	20.59	20.82	22		
	DFT-s-OFDM 64QAM	135	69	20.22	20.82	21.5		
		135	69	20.22	20.82	21.5		
	BW	MCS Index	Channel	Frequency (MHz)	633000	633334	633666	Max. Tune-up
	90M	DFT-s-OFDM QPSK	120	63	20.60	20.72	20.28	22
	BW	MCS Index	Channel	Frequency (MHz)	632666	633334	634000	Max. Tune-up
	80M	DFT-s-OFDM QPSK	108	55	20.81	20.84	20.41	22
BW	MCS Index	Channel	Frequency (MHz)	632334	633334	634332	Max. Tune-up	
70M	DFT-s-OFDM QPSK	90	50	20.78	20.75	20.71	22	
BW	MCS Index	Channel	Frequency (MHz)	632000	633334	634666	Max. Tune-up	
60M	DFT-s-OFDM QPSK	81	41	20.78	20.65	20.31	22	
BW	MCS Index	Channel	Frequency (MHz)	631666	633334	633900	Max. Tune-up	
50M	DFT-s-OFDM QPSK	64	35	20.76	20.73	20.71	22	
BW	MCS Index	Channel	Frequency (MHz)	631334	633334	633332	Max. Tune-up	
40M	DFT-s-OFDM QPSK	50	28	20.70	20.53	20.44	22	
BW	MCS Index	Channel	Frequency (MHz)	630666	633334	633600	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	13	20.76	20.69	20.44	22	
BW	MCS Index	Channel	Frequency (MHz)	630000	633334	633166	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	10	20.58	20.49	20.55	22	
BW	MCS Index	Channel	Frequency (MHz)	630334	633334	633032	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	20.77	20.69	20.76	22	

n77 (SCS 30 kHz) Ant2								
BW	MCS Index	RB Size	RB Offset	Mid	High	Max. Tune-up		
		Channel	Frequency (MHz)	650000	656000	662000	3860.01	
100M	DFT-s-OFDM FV2 BPSK	1	1	21.00	20.97	20.60	22	
		1	137	20.81	20.55	20.59	22	
		1	271	20.87	21.00	20.59	22	
		135	0	20.68	20.85	20.87	22	
		135	69	20.93	20.80	20.92	22	
		135	138	20.67	20.89	20.97	22	
		270	0	20.95	20.96	20.98	22	
		270	0	20.93	20.89	20.81	22	
	DFT-s-OFDM QPSK	1	137	20.97	20.87	20.76	22	
		1	271	20.73	20.60	20.75	22	
		135	0	20.97	20.82	20.74	22	
		135	69	21.08	20.97	20.96	22	
		135	138	20.88	20.91	20.91	22	
		270	0	20.93	20.84	20.81	22	
		270	0	20.93	20.84	20.81	22	
		270	0	20.93	20.84	20.81	22	
	DFT-s-OFDM 16QAM	135	69	21.00	20.90	20.99	22	
		135	69	20.89	20.80	20.84	22	
	DFT-s-OFDM 64QAM	135	69	20.52	20.38	20.34	21.5	
		135	69	20.52	20.38	20.34	21.5	
	BW	MCS Index	Channel	Frequency (MHz)	649666	650000	652332	Max. Tune-up
	90M	DFT-s-OFDM QPSK	120	63	20.89	20.95	20.56	22
	BW	MCS Index	Channel	Frequency (MHz)	649334	650000	652666	Max. Tune-up
	80M	DFT-s-OFDM QPSK	108	55	20.94	20.42	20.92	22
BW	MCS Index	Channel	Frequency (MHz)	649000	650000	653000	Max. Tune-up	
70M	DFT-s-OFDM QPSK	90	50	20.89	20.86	20.74	22	
BW	MCS Index	Channel	Frequency (MHz)	648666	650000	653332	Max. Tune-up	
60M	DFT-s-OFDM QPSK	81	41	20.87	20.67	20.69	22	
BW	MCS Index	Channel	Frequency (MHz)	648334	650000	653666	Max. Tune-up	
50M	DFT-s-OFDM QPSK	64	35	21.01	20.82	20.83	22	
BW	MCS Index	Channel	Frequency (MHz)	648000	650000	654000	Max. Tune-up	
40M	DFT-s-OFDM QPSK	50	28	20.95	20.83	20.87	22	
BW	MCS Index	Channel	Frequency (MHz)	647334	650000	654666	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	13	20.90	20.82	20.51	22	
BW	MCS Index	Channel	Frequency (MHz)	647166	650000	654932	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	10	20.87	20.51	20.97	22	
BW	MCS Index	Channel	Frequency (MHz)	647000	650000	655000	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	20.94	20.85	20.58	22	

n78 (SCS 30 kHz) Ant2								
BW	MCS Index	RB Size	RB Offset	Mid	Max. Tune-up	(dBm)		
		Channel	Frequency (MHz)	633334	3860.01			
100M	DFT-s-OFDM FV2 BPSK	1	1	20.99	20.83	22		
		1	137	21.06	20.83	22		
		1	271	21.08	20.82	22		
		135	0	20.80	20.82	22		
		135	69	21.09	20.82	22		
		135	138	20.91	20.82	22		
		270	0	21.03	20.82	22		
		270	0	20.89	20.82	22		
	DFT-s-OFDM QPSK	1	137	20.93	20.82	22		
		1	271	20.75	20.82	22		
		135	0	20.89	20.82	22		
		135	69	21.15	20.82	22		
		135	138	20.80	20.82	22		
		270	0	20.72	20.82	22		
		270	0	20.84	20.82	22		
		270	0	20.84	20.82	22		
	DFT-s-OFDM 16QAM	135	69	20.78	20.82	22		
		135	69	20.90	20.82	22		
	DFT-s-OFDM 64QAM	135	69	19.95	20.82	21.5		
		135	69	19.95	20.82	21.5		
	BW	MCS Index	Channel	Frequency (MHz)	633000	633334	633666	Max. Tune-up
	90M	DFT-s-OFDM QPSK	120	63	20.92	20.91	20.86	22
	BW	MCS Index	Channel	Frequency (MHz)	632666	633334	634000	Max. Tune-up
	80M	DFT-s-OFDM QPSK	108	55	20.96	20.81	20.89	22
BW	MCS Index	Channel	Frequency (MHz)	632334	633334	634332	Max. Tune-up	
70M	DFT-s-OFDM QPSK	90	50	20.68	20.75	20.83	22	
BW	MCS Index	Channel	Frequency (MHz)	632000	633334	634666	Max. Tune-up	
60M	DFT-s-OFDM QPSK	81	41	20.93	20.39	21.00	22	
BW	MCS Index	Channel	Frequency (MHz)	631666	633334	635000	Max. Tune-up	
50M	DFT-s-OFDM QPSK	64	35	20.58	20.73	20.79	22	
BW	MCS Index	Channel	Frequency (MHz)	631334	633334	635332	Max. Tune-up	
40M	DFT-s-OFDM QPSK	50	28	20.94	20.77	20.51	22	
BW	MCS Index	Channel	Frequency (MHz)	630666	633334	636000	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	13	20.89	20.62	20.65	22	
BW	MCS Index	Channel	Frequency (MHz)	630000	633334	636166	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	10	21.75	21.66	21.77	22	
BW	MCS Index	Channel	Frequency (MHz)	630334	633334	636332	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	21.99	21.90	21.95	22	

n48 (SCS 30 kHz) Ant2								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up	
		Channel	Frequency (MHz)	3960 <th>3824.99 <th>3849.98 <th>3869.98 </th></th></th>	3824.99 <th>3849.98 <th>3869.98 </th></th>	3849.98 <th>3869.98 </th>	3869.98	
100M	DFT-s-OFDM FV2 BPSK	1	1	20.51	20.22	20.09	22	
		1	137	21.05	20.82	20.60	22	
		1	271	20.17	20.05	20.06	22	
		135	0	20.00	19.82	19.80	21	
		135	69	20.84	20.62	20.58	22	
		135	138	19.89	19.54	19.52	21	
		270	0	19.82	19.60	19.65	21	
		270	0	19.85	19.81	19.66	21	
	DFT-s-OFDM QPSK	1	137	21.00	20.77	20.53	22	
		1	271	20.22	20.06	20.13	22	
		135	0	19.94	19.84	19.70	21	
		135	69	21.15	20.80	20.73	22	
		135	138	19.96	19.65	19.48	21	
		270	0	19.85	19.81	19.66	21	
		270	0	19.85	19.81	19.66	21	
		270	0	19.85	19.81	19.66	21	
	DFT-s-OFDM 16QAM	135	69	20.14	20.08	19.87	21	
		135	69	18.79	18.70	18.73	20.5	
	DFT-s-OFDM 64QAM	135	69	16.91	16.85	16.70	18.5	
		135	69	16.91	16.85	16.70	18.5	
	BW	MCS Index	Channel	Frequency (MHz)	639666	641666	643666	Max. Tune-up
	90M	DFT-s-OFDM QPSK	120	63	20.91	20.87	20.52	22
	BW	MCS Index	Channel	Frequency (MHz)	639334	641666	644000	Max. Tune-up
	80M	DFT-s-OFDM QPSK	108	55	20.85	20.72	20.59	22
BW	MCS Index	Channel	Frequency (MHz)	639000	641666	644332	Max. Tune-up	
70M	DFT-s-OFDM QPSK	90	50	20.88	20.63	20.44	22	
BW	MCS Index	Channel	Frequency (MHz)	638666	641666	644666	Max. Tune-up	
60M	DFT-s-OFDM QPSK	81	41	21.12	20.75	20.70	22	
BW	MCS Index	Channel	Frequency (MHz)	638334	641666	645000	Max. Tune-up	
50M	DFT-s-OFDM QPSK	64	35	21.02	20.79	20.49	22	
BW	MCS Index	Channel	Frequency (MHz)	638000	641666	645332	Max. Tune-up	
40M	DFT-s-OFDM QPSK	50	28	20.97	20.77	20.53	22	
BW	MCS Index	Channel	Frequency (MHz)	637666	641666	645666	Max. Tune-up	
30M	DFT-s-OFDM QPSK	36	21	20.92	20.73	20.58	22	
BW	MCS Index	Channel	Frequency (MHz)	637334	641666	646000	Max. Tune-up	
20M	DFT-s-OFDM QPSK	25	13	21.12	20.75	20.62	22	
BW	MCS Index	Channel	Frequency (MHz)	637166	641666	646166	Max. Tune-up	
15M	DFT-s-OFDM QPSK	18	10	21.00	20.70	20.59	22	
BW	MCS Index	Channel	Frequency (MHz)	637000	641666	646332	Max. Tune-up	
10M	DFT-s-OFDM QPSK	12	6	21.10	20.85	20.66	22	

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n41 (SCS 30 kHz) Ant3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	19.08	19.45	19.22	20.5
		1	137	19.38	19.32	19.04	20.5
		1	271	19.10	19.22	19.18	20.5
		135	0	19.02	18.99	18.98	20.5
		135	69	19.35	19.41	19.27	20.5
		135	138	19.20	18.84	18.86	20.5
	270	0	19.08	19.12	18.86	20.5	
	DFT-s-OFDM QPSK	1	1	19.28	19.51	19.17	20.5
		1	137	19.45	19.53	19.26	20.5
		1	271	19.09	19.11	19.08	20.5
		135	0	19.04	19.18	18.69	20.5
		135	69	19.48	19.61	19.17	20.5
		135	138	19.08	18.97	19.01	20.5
	270	0	19.01	19.14	18.66	20.5	
	DFT-s-OFDM 16QAM	135	69	19.44	19.28	19.23	20.5
	DFT-s-OFDM 64QAM	135	69	18.88	18.65	18.68	20.5
	DFT-s-OFDM 256QAM	135	69	16.92	17.03	16.67	18.5
	BW	MCS Index	Channel		508200	518598	528996
90M	DFT-s-OFDM QPSK	120	63	19.37	19.17	18.96	20.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
80M	DFT-s-OFDM QPSK	108	55	19.25	19.43	19.11	20.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
70M	DFT-s-OFDM QPSK	90	50	19.23	19.34	19.19	20.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
60M	DFT-s-OFDM QPSK	81	41	18.95	19.13	19.15	20.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
50M	DFT-s-OFDM QPSK	64	35	19.02	19.39	19.21	20.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
40M	DFT-s-OFDM QPSK	50	28	19.32	19.37	19.19	20.5
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
30M	DFT-s-OFDM QPSK	36	21	19.36	19.37	19.22	20.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
20M	DFT-s-OFDM QPSK	25	13	19.44	19.57	19.06	20.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
15M	DFT-s-OFDM QPSK	18	10	19.36	19.19	19.17	20.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
10M	DFT-s-OFDM QPSK	12	6	19.26	19.15	18.93	20.5

n48 (SCS 30 kHz) Ant3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		640000	641666	643332	
		Frequency (MHz)		3600	3624.99	3649.98	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	17.46	17.60	17.31	18.5
		1	137	17.32	17.74	17.67	18.5
		1	271	17.54	17.43	17.34	18.5
		135	0	17.39	17.55	17.64	18.5
		135	69	17.60	17.40	17.58	18.5
		135	138	17.30	17.63	17.62	18.5
	270	0	17.78	17.69	17.73	18.5	
	DFT-s-OFDM QPSK	1	1	17.53	17.41	17.66	18.5
		1	137	17.68	17.65	17.79	18.5
		1	271	17.65	17.33	17.47	18.5
		135	0	17.63	17.56	17.73	18.5
		135	69	17.71	17.68	17.84	18.5
		135	138	17.56	17.64	17.67	18.5
	270	0	17.68	17.67	17.75	18.5	
	DFT-s-OFDM 16QAM	135	69	17.64	17.60	17.76	18.5
	DFT-s-OFDM 64QAM	135	69	17.56	17.63	17.82	18.5
	DFT-s-OFDM 256QAM	135	69	16.39	16.62	16.58	18
	BW	MCS Index	Channel		639668	641666	643666
90M	DFT-s-OFDM QPSK	120	63	17.59	17.38	17.50	18.5
BW	MCS Index	Channel		639334	641666	644000	Max. Tune-up
80M	DFT-s-OFDM QPSK	108	55	17.27	17.66	17.61	18.5
BW	MCS Index	Channel		639000	641666	644332	Max. Tune-up
70M	DFT-s-OFDM QPSK	90	50	17.48	17.25	17.43	18.5
BW	MCS Index	Channel		638668	641666	644666	Max. Tune-up
60M	DFT-s-OFDM QPSK	81	41	17.61	17.55	17.69	18.5
BW	MCS Index	Channel		638334	641666	645000	Max. Tune-up
50M	DFT-s-OFDM QPSK	64	35	17.63	17.55	17.70	18.5
BW	MCS Index	Channel		638000	641666	645332	Max. Tune-up
40M	DFT-s-OFDM QPSK	50	28	17.55	17.57	17.61	18.5
BW	MCS Index	Channel		637668	641666	645666	Max. Tune-up
30M	DFT-s-OFDM QPSK	36	21	17.63	17.66	17.68	18.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
20M	DFT-s-OFDM QPSK	25	13	17.56	17.51	17.77	18.5
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
15M	DFT-s-OFDM QPSK	18	10	17.67	17.58	17.66	18.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
10M	DFT-s-OFDM QPSK	12	6	17.51	17.42	17.28	18.5

n77 (SCS 30 kHz) Ant3									
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)			
				Channel	Frequency (MHz)		3500.01	3500.01	3500.01
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	18.96	20			
				1	137	18.55	20		
				1	271	18.88	20		
				135	0	19.02	20		
				135	69	18.89	20		
				135	138	19.01	20		
	DFT-s-OFDM QPSK	1	1	1	18.90	20			
				1	137	18.98	20		
				1	271	18.82	20		
				135	0	18.99	20		
				135	69	18.10	20		
				135	138	19.06	20		
DFT-s-OFDM 16QAM	1	1	270	0	18.84	20			
			135	69	19.02	20			
DFT-s-OFDM 64QAM	1	1	135	69	19.06	20			
			135	69	18.95	19.5			
BW	MCS Index	Channel	Frequency (MHz)	3500.01	3500.01	3500.01	3500.01	3500.01	3500.01
90M	DFT-s-OFDM QPSK	120	63	18.73	18.86	18.77	20		
BW	MCS Index	Channel	Frequency (MHz)	3496.02	3500.01	3510	Max. Tune-up		
80M	DF T-s-OFDM QPSK	108	55	18.69	18.74	18.87	20		
BW	MCS Index	Channel	Frequency (MHz)	3523.34	3533.34	3543.32	Max. Tune-up		
70M	DF T-s-OFDM QPSK	90	50	18.92	18.69	19.04	20		
BW	MCS Index	Channel	Frequency (MHz)	3520.01	3533.34	3546.66	Max. Tune-up		
60M	DF T-s-OFDM QPSK	61	41	18.69	18.52	18.61	20		
BW	MCS Index	Channel	Frequency (MHz)	3516.68	3533.34	3550.00	Max. Tune-up		
50M	DF T-s-OFDM QPSK	64	35	18.85	18.84	18.67	20		
BW	MCS Index	Channel	Frequency (MHz)	3513.34	3533.34	3533.32	Max. Tune-up		
40M	DF T-s-OFDM QPSK	50	28	19.00	18.98	18.82	20		
BW	MCS Index	Channel	Frequency (MHz)	3506.68	3533.34	3530.00	Max. Tune-up		
20M	DF T-s-OFDM QPSK	25	13	18.94	19.02	19.05	20		
BW	MCS Index	Channel	Frequency (MHz)	3505.00	3533.34	3516.66	Max. Tune-up		
15M	DF T-s-OFDM QPSK	18	10	18.85	18.93	18.96	20		
BW	MCS Index	Channel	Frequency (MHz)	3503.34	3533.34	3533.32	Max. Tune-up		
10M	DF T-s-OFDM QPSK	12	6	18.93	18.84	18.73	20		

n77 (SCS 30 kHz) Ant3											
BW	MCS Index	RB Size	RB Offset	Mid		High	Max. Tune-up (dBm)				
				Channel	Frequency (MHz)			3500.01	3500.01	3500.01	3500.01
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	19.08	19.06	18.87	20			
				1	137	18.77	18.66	18.66	20		
				1	271	19.01	19.00	18.85	20		
				135	0	18.82	19.13	19.12	20		
				135	69	19.23	18.96	19.28	20		
				135	138	18.96	19.04	19.21	20		
	DFT-s-OFDM QPSK	1	1	1	18.82	18.61	19.01	20			
				1	137	18.88	19.09	19.15	20		
				1	271	18.82	18.89	19.02	20		
				135	0	19.15	19.03	18.74	20		
				135	69	19.23	19.21	19.29	20		
				135	138	19.09	19.17	19.13	20		
DFT-s-OFDM 16QAM	1	1	270	0	19.04	18.96	19.10	20			
			135	69	19.02	19.13	19.06	20			
DFT-s-OFDM 64QAM	1	1	135	69	19.04	19.10	19.17	20			
			135	69	18.89	18.44	18.47	19.5			
BW	MCS Index	Channel	Frequency (MHz)	3745.02	3840	3934.98	Max. Tune-up				
90M	DF T-s-OFDM QPSK	120	63	19.00	18.96	18.72	20				
BW	MCS Index	Channel	Frequency (MHz)	3740.01	3840	3939.99	Max. Tune-up				
80M	DF T-s-OFDM QPSK	108	55	19.04	18.86	18.73	20				
BW	MCS Index	Channel	Frequency (MHz)	3733.34	3860.00	3943.32	Max. Tune-up				
70M	DF T-s-OFDM QPSK	90	50	18.76	18.96	19.08	20				
BW	MCS Index	Channel	Frequency (MHz)	3730.02	3840	3949.98	Max. Tune-up				
60M	DF T-s-OFDM QPSK	61	41	18.65	18.91	19.30	20				
BW	MCS Index	Channel	Frequency (MHz)	3725.01	3840	3954.98	Max. Tune-up				
50M	DF T-s-OFDM QPSK	64	35	19.06	18.85	18.64	20				
BW	MCS Index	Channel	Frequency (MHz)	3720.00	3860.00	3940.00	Max. Tune-up				
40M	DF T-s-OFDM QPSK	50	28	18.99	19.08	19.03	20				
BW	MCS Index	Channel	Frequency (MHz)	3715.01	3840	3959.99	Max. Tune-up				
20M	DF T-s-OFDM QPSK	25	13	19.02	19.09	19.16	20				
BW	MCS Index	Channel	Frequency (MHz)	3710.00	3860.00	3943.32	Max. Tune-up				
15M	DF T-s-OFDM QPSK	18	10	18.98	18.86	18.72	20				
BW	MCS Index	Channel	Frequency (MHz)	3707.02	3840	3972.48	Max. Tune-up				
10M	DF T-s-OFDM QPSK	12	6	18.94	19.01	18.78	20				

n78 (SCS 30 kHz) Ant3									
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)			
				Channel	Frequency (MHz)		3500.01	3500.01	3500.01
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	18.67	20			
				1	137	18.53	20		
				1	271	18.84	20		
				135	0	18.63	20		
				135	69	18.87	20		
				135	138	18.65	20		
	DFT-s-OFDM QPSK	1	1	1	18.62	20			
				1	137	18.91	20		
				1	271	18.66	20		
				135	0	18.96	20		
				135	69	19.08	20		
				135	138	18.88	20		
DFT-s-OFDM 16QAM	1	1	270	0	18.96	20			
			135	69	18.68	20			
DFT-s-OFDM 64QAM	1	1	135	69	18.80	20			
			135	69	18.40	19.5			
BW	MCS Index	Channel	Frequency (MHz)	3496.02	3500.01	3510	Max. Tune-up		
90M	DF T-s-OFDM QPSK	120	63	18.66	18.85	18.62	20		
BW	MCS Index	Channel	Frequency (MHz)	3492.68	3500.01	3510	Max. Tune-up		
80M	DF T-s-OFDM QPSK	108	55	18.78	18.67	18.75	20		
BW	MCS Index	Channel	Frequency (MHz)	3523.34	3533.34	3543.32	Max. Tune-up		
70M	DF T-s-OFDM QPSK	90	50	18.89	18.18	18.85	20		
BW	MCS Index	Channel	Frequency (MHz)	3520.00	3533.34	3546.66	Max. Tune-up		
60M	DF T-s-OFDM QPSK	61	41	18.45	18.71	18.57	20		
BW	MCS Index	Channel	Frequency (MHz)	3516.68	3533.34	3550.00	Max. Tune-up		
50M	DF T-s-OFDM QPSK	64	35	18.82	18.68	18.71	20		
BW	MCS Index	Channel	Frequency (MHz)	3513.34	3533.34	3533.32	Max. Tune-up		
40M	DF T-s-OFDM QPSK	50	28	18.79	18.91	18.93	20		
BW	MCS Index	Channel	Frequency (MHz)	3506.68	3533.34	3530.00	Max. Tune-up		
20M	DF T-s-OFDM QPSK	25	13	18.76	18.64	18.47	20		
BW	MCS Index	Channel	Frequency (MHz)	3505.00	3533.34	3516.66	Max. Tune-up		
15M	DF T-s-OFDM QPSK	18	10	18.61	18.79	18.55	20		
BW	MCS Index	Channel	Frequency (MHz)	3503.34	3533.34	3533.32	Max. Tune-up		
10M	DF T-s-OFDM QPSK	12	6	18.63	18.85	18.78	20		

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BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)			
				Channel	Frequency (MHz)		3500.01	3500.01	3500.01
100M	DFT-s-OFDM P1/2 BPSK	1	1	1	15.38	16.5			
				1	137	14.98	16.5		
				1	271	15.24	16.5		
				135	0	15.42	16.5		
				135	69	15.38	16.5		
				135	138	15.48	16.5		
	DFT-s-OFDM QPSK	1	1	1	15.29	16.5			
				1	137	15.46	16.5		
				1	271	15.30	16.5		
				135	0	15.36	16.5		
				135	69	15.59	16.5		
				135	138	15.43	16.5		
DFT-s-OFDM 16QAM	1	1	270	0	15.25	16.5			
			135	69	15.40	16.5			
DFT-s-OFDM 64QAM	1	1	135	69	15.51	16.5			
			135	69	15.67	16.5			
BW	MCS Index	Channel	Frequency (MHz)	3500.01	3500.01	3500.01	Max. Tune-up		
90M	DF T-s-OFDM QPSK	120	63	15.23	15.36	15.27	16.5		
BW	MCS Index	Channel	Frequency (MHz)	3496.02	3500.01	3510	Max. Tune-up		
80M	DF T-s-OFDM QPSK	108	55	15.12	15.25	15.15	16.5		
BW	MCS Index	Channel	Frequency (MHz)	3523.34	3533.34	3543.32	Max. Tune-up		
70M	DF T-s-OFDM QPSK	90	50	15.12	15.33	15.19	16.5		
BW	MCS Index	Channel	Frequency (MHz)	3520.00	3533.34	3546.66	Max. Tune-up		
60M	DF T-s-OFDM QPSK	61	41	15.16	15.28	15.22	16.5		
BW	MCS Index	Channel	Frequency (MHz)	3516.68	3533.34	3550.00	Max. Tune-up		
50M	DF T-s-OFDM QPSK	64	35	15.15	15.30	15.15	16.5		
BW	MCS Index	Channel	Frequency (MHz)	3513.34	3533.34	3533.32	Max. Tune-up		
40M	DF T-s-OFDM QPSK	50	28	15.11	15.34	15.25	16.5		
BW	MCS Index	Channel	Frequency (MHz)	3506.68	3533.34	3530.00	Max. Tune-up		
20M	DF T-s-OFDM QPSK	25	13	15.12	15.28	15.16	16.5		
BW	MCS Index	Channel	Frequency (MHz)	3505.00	3533.34	3516.66	Max. Tune-up		
15M	DF T-s-OFDM QPSK	18	10	15.19	15.34	15.13	16.5		
BW	MCS Index	Channel	Frequency (MHz)	3503.34	3533.34	3533.32	Max. Tune-up		
10M	DF T-s-OFDM QPSK	12	6	15.21	15.34	15.17	16.5		

NR DSI4 Power

n2 (SCS 15 kHz) _Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	18.33	18.23	18.31	19.5
		1	53	18.47	18.49	18.14	19.5
		1	104	18.14	18.39	18.44	19.5
		50	0	18.32	18.54	18.76	19.5
		50	28	18.61	18.59	18.48	19.5
		50	56	18.22	18.32	18.47	19.5
	100	0	18.39	18.41	18.36	19.5	
	DFT-s-OFDM QPSK	1	1	18.57	18.53	18.55	19.5
		1	53	18.75	18.78	18.68	19.5
		1	104	18.63	18.66	18.55	19.5
		50	0	18.51	18.76	18.59	19.5
		50	28	18.79	18.85	18.71	19.5
		50	56	18.63	18.82	18.51	19.5
	100	0	18.66	18.70	18.62	19.5	
	DFT-s-OFDM 16QAM	50	28	18.59	18.59	18.58	19.5
	DFT-s-OFDM 64QAM	50	28	18.40	18.59	18.62	19.5
	DFT-s-OFDM 256QAM	50	28	18.36	18.50	18.49	19.5
	BW	MCS Index	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	36	22	18.20	18.24	18.39	19.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	25	14	18.37	18.64	18.47	19.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	12	7	18.51	18.80	18.45	19.5

n5 (SCS 15 kHz) _Ant 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.24	24.52	24.10	25
		1	53	24.58	24.54	24.34	25
		1	104	24.31	24.36	24.05	25
		50	0	23.28	23.38	23.50	24
		50	28	24.52	24.53	24.51	25
		50	56	23.21	23.48	23.44	24
	100	0	23.33	23.37	23.45	24	
	DFT-s-OFDM QPSK	1	1	24.26	24.33	24.15	25
		1	53	24.49	24.56	24.37	25
		1	104	24.38	24.49	24.15	25
		50	0	23.39	23.42	23.52	24
		50	28	24.53	24.64	24.59	25
		50	56	23.35	23.52	23.56	24
	100	0	23.41	23.51	23.52	24	
	DFT-s-OFDM 16QAM	50	28	23.58	23.60	23.58	24
	DFT-s-OFDM 64QAM	50	28	22.03	22.05	22.10	23.5
	DFT-s-OFDM 256QAM	50	28	20.00	20.09	20.07	21.5
	BW	MCS Index	Channel		166300	167300	168300
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	24.49	24.55	24.44	25
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.40	24.39	24.49	25
BW	MCS Index	Channel		165300	167300	168300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	24.58	24.52	24.37	25

n7 (SCS 15 kHz) _Ant 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		505000	507000	509000	
		Frequency (MHz)		2525	2535	2545	
50M	DFT-s-OFDM Pi/2 BPSK	1	1	18.55	18.49	18.46	19.5
		1	135	18.69	18.80	18.63	19.5
		1	268	18.45	18.43	18.48	19.5
		135	0	18.40	18.39	18.38	19.5
		135	68	18.79	18.60	18.66	19.5
		135	135	18.50	18.39	18.34	19.5
	270	0	18.43	18.37	18.31	19.5	
	DFT-s-OFDM QPSK	1	1	18.59	18.64	18.58	19.5
		1	135	18.74	18.69	18.70	19.5
		1	268	18.56	18.56	18.54	19.5
		135	0	18.44	18.48	18.44	19.5
		135	68	18.85	18.80	18.78	19.5
		135	135	18.52	18.50	18.38	19.5
	270	0	18.63	18.38	18.40	19.5	
	DFT-s-OFDM 16QAM	135	68	18.66	18.57	18.50	19.5
	DFT-s-OFDM 64QAM	135	68	18.28	18.34	18.33	19.5
	DFT-s-OFDM 256QAM	135	68	18.43	18.30	18.37	19.5
	BW	MCS Index	Channel		503500	507000	510500
		Frequency (MHz)		2517.5	2535	2552.5	
40M	DFT-s-OFDM QPSK	108	54	18.59	18.79	18.56	19.5
BW	MCS Index	Channel		503000	507000	511000	Max. Tune-up
		Frequency (MHz)		2515	2535	2555	
30M	DFT-s-OFDM QPSK	80	40	18.71	18.49	18.60	19.5
BW	MCS Index	Channel		502500	507000	511500	Max. Tune-up
		Frequency (MHz)		2512.5	2535	2557.5	
25M	DFT-s-OFDM QPSK	64	35	18.73	18.60	18.64	19.5
BW	MCS Index	Channel		502000	507000	512000	Max. Tune-up
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM QPSK	50	28	18.63	18.55	18.42	19.5
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	36	22	18.55	18.73	18.61	19.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	25	14	18.77	18.45	18.59	19.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	12	7	18.82	18.76	18.63	19.5

n26 (SCS 15 kHz) _Ant 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		164800	166300	167800	
		Frequency (MHz)		824	831.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.70	23.96	23.84	25
		1	53	23.74	23.89	23.94	25
		1	104	23.58	23.87	23.70	25
		50	0	22.82	22.93	22.84	24
		50	28	24.01	24.05	24.07	25
		50	56	22.93	22.96	22.98	24
	100	0	22.98	23.11	22.86	24	
	DFT-s-OFDM QPSK	1	1	23.84	23.91	23.86	25
		1	53	23.87	24.03	23.98	25
		1	104	23.73	23.99	23.84	25
		50	0	22.86	23.01	22.96	24
		50	28	24.12	24.20	24.09	25
		50	56	23.04	22.98	23.07	24
	100	0	22.94	23.04	22.99	24	
	DFT-s-OFDM 16QAM	50	28	23.06	23.10	23.08	24
	DFT-s-OFDM 64QAM	50	28	21.62	21.63	21.56	23.5
	DFT-s-OFDM 256QAM	50	28	19.63	19.62	19.58	21.5
	BW	MCS Index	Channel		166300	166300	168300
		Frequency (MHz)		821.5	831.5	841.5	
15M	DFT-s-OFDM QPSK	36	22	23.85	23.98	23.89	25
BW	MCS Index	Channel		163800	166300	168800	Max. Tune-up
		Frequency (MHz)		819	831.5	844	
10M	DFT-s-OFDM QPSK	25	14	24.02	24.08	24.04	25
BW	MCS Index	Channel		163300	166300	169300	Max. Tune-up
		Frequency (MHz)		816.5	831.5	846.5	
5M	DFT-s-OFDM QPSK	12	7	23.77	24.00	23.92	25

n38 (SCS 30 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM P/2 BPSK	1	1	18.89	18.98	18.83	20
		1	53	19.10	18.87	18.91	20
		1	104	18.72	18.78	18.66	20
		50	0	18.73	18.94	18.82	20
		50	28	18.99	19.03	19.09	20
		50	56	18.77	18.78	18.73	20
	DFT-s-OFDM QPSK	100	0	18.90	18.69	18.85	20
		1	1	18.99	18.97	18.97	20
		1	53	19.05	19.09	19.11	20
		1	104	18.80	18.80	18.79	20
		50	0	18.94	18.88	18.82	20
		50	28	19.04	19.06	19.16	20
	DFT-s-OFDM 16QAM	50	56	18.77	18.85	18.91	20
		100	0	18.89	18.82	18.96	20
		50	28	18.87	18.80	19.03	20
DFT-s-OFDM 64QAM	50	28	19.10	19.04	19.00	20	
	50	28	18.90	18.95	18.82	20	
DFT-s-OFDM 256QAM	50	28	18.89	18.95	18.82	20	
	50	28	18.89	18.95	18.82	20	
BW	MCS Index	Channel		517000	519000	521000	Max. Tune-up
30M	DFT-s-OFDM QPSK	Frequency (MHz)		2585	2595	2605	
BW	MCS Index	Channel		516500	519000	521500	Max. Tune-up
25M	DFT-s-OFDM QPSK	Frequency (MHz)		2582.5	2595	2607.5	
BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
20M	DFT-s-OFDM QPSK	Frequency (MHz)		2580	2595	2610	
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		2577.5	2595	2612.5	
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		2575	2595	2615	

n41 (SCS 30 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	18.99	18.88	18.67	20
		1	137	19.21	19.15	19.11	20
		1	271	18.70	18.94	18.84	20
		135	0	18.81	19.10	18.86	20
		135	69	19.23	19.13	19.18	20
		135	138	18.90	19.13	19.01	20
	DFT-s-OFDM QPSK	270	0	18.86	19.15	18.86	20
		1	1	18.87	18.87	18.71	20
		1	137	19.10	19.27	19.13	20
		1	271	18.78	19.06	18.86	20
		135	0	18.99	19.03	18.88	20
		135	69	19.11	19.29	19.18	20
	DFT-s-OFDM 16QAM	135	138	18.95	19.16	18.98	20
		270	0	18.98	19.14	18.91	20
		135	69	19.18	19.25	19.22	20
DFT-s-OFDM 64QAM	135	69	18.83	18.93	18.85	20	
	135	69	19.01	18.83	18.80	20	
DFT-s-OFDM 256QAM	135	69	19.01	18.83	18.80	20	
	135	69	19.01	18.83	18.80	20	
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
90M	DFT-s-OFDM QPSK	Frequency (MHz)		2541	2592.99	2644.98	
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
80M	DFT-s-OFDM QPSK	Frequency (MHz)		2536.02	2592.99	2649.99	
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
70M	DFT-s-OFDM QPSK	Frequency (MHz)		2531.01	2592.99	2655	
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
60M	DFT-s-OFDM QPSK	Frequency (MHz)		2526	2592.99	2659.98	
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
50M	DFT-s-OFDM QPSK	Frequency (MHz)		2521.02	2592.99	2664.99	
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
40M	DFT-s-OFDM QPSK	Frequency (MHz)		2516.01	2592.99	2670	
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
30M	DFT-s-OFDM QPSK	Frequency (MHz)		2511	2592.99	2674.98	
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
20M	DFT-s-OFDM QPSK	Frequency (MHz)		2506.02	2592.99	2679.99	
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		2503.5	2592.99	2682.48	
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		2501.01	2592.99	2685	

(ENDC Only) n66 (SCS 15 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	18.64	18.56	18.57	20
		1	107	18.77	18.75	18.75	20
		1	214	18.63	18.74	18.66	20
		108	0	18.72	18.81	18.92	20
		108	54	18.94	18.85	18.72	20
		108	108	18.52	18.63	18.75	20
	DFT-s-OFDM QPSK	216	0	18.63	18.68	18.51	20
		1	1	18.80	18.83	18.79	20
		1	107	19.01	19.05	18.96	20
		1	214	18.84	18.92	18.85	20
		108	0	18.86	18.93	18.89	20
		108	54	19.01	19.07	18.92	20
	DFT-s-OFDM 16QAM	108	108	18.97	19.05	18.84	20
		216	0	19.00	19.02	18.89	20
		108	54	18.86	18.87	18.89	20
DFT-s-OFDM 64QAM	108	54	18.72	18.88	18.92	20	
	108	54	18.71	18.80	18.82	20	
BW	MCS Index	Channel		345500	349000	352500	Max. Tune-up
35M	DFT-s-OFDM QPSK	Frequency (MHz)		1727.5	1745	1762.5	
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
30M	DFT-s-OFDM QPSK	Frequency (MHz)		1725	1745	1765	
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
25M	DFT-s-OFDM QPSK	Frequency (MHz)		1722.5	1745	1767.5	
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
20M	DFT-s-OFDM QPSK	Frequency (MHz)		1720	1745	1770	
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		1717.5	1745	1772.5	
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		1715	1745	1775	
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		1712.5	1745	1777.5	

n66 (SCS 15 kHz)_Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	21.97	22.12	21.77	23
		1	107	22.05	22.10	21.96	23
		1	214	21.86	21.75	21.86	23
		108	0	21.93	22.01	21.92	23
		108	54	22.24	22.34	22.16	23
		108	108	21.80	21.75	21.85	23
	DFT-s-OFDM QPSK	216	0	21.90	21.97	21.70	23
		1	1	22.16	21.99	21.95	23
		1	107	22.04	22.19	22.12	23
		1	214	21.97	21.92	21.95	23
		108	0	22.00	22.06	21.96	23
		108	54	22.31	22.38	22.17	23
	DFT-s-OFDM 16QAM	108	108	22.00	22.18	21.91	23
		216	0	21.98	22.04	21.83	23
		108	54	21.90	22.01	21.79	23
DFT-s-OFDM 64QAM	108	54	21.91	21.63	21.70	23	
	108	54	19.86	19.81	19.87	21.5	
BW	MCS Index	Channel		345500	349000	352500	Max. Tune-up
35M	DFT-s-OFDM QPSK	Frequency (MHz)		1727.5	1745	1762.5	
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
30M	DFT-s-OFDM QPSK	Frequency (MHz)		1725	1745	1765	
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
25M	DFT-s-OFDM QPSK	Frequency (MHz)		1722.5	1745	1767.5	
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
20M	DFT-s-OFDM QPSK	Frequency (MHz)		1720	1745	1770	
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		1717.5	1745	1772.5	
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		1715	1745	1775	
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		1712.5	1745	1777.5	

Default Power					
2.4GHz WLAN		Ant6			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.49	18.50
		6	2437	16.81	18.50
		11	2462	16.80	18.50
802.11g 6Mbps	6	1	2412	14.64	16.50
		6	2437	14.92	16.50
		11	2462	14.83	16.50
802.11n-HT20 MCS0	11	1	2412	13.50	15.50
		6	2437	13.84	15.50
		11	2462	13.74	15.50

5GHz WLAN						
Ant6						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.12	15.50	
		40	5200	14.19	15.50	
		44	5220	14.15	15.50	
		48	5240	14.29	15.50	
	802.11n-HT20 MCS0	36	5180	14.15	16.00	
			40	5200	14.17	16.00
			44	5220	14.08	16.00
			48	5240	14.10	16.00
	802.11n-HT40 MCS0	38	5180	13.68	15.50	
			46	5230	13.62	15.50
			36	5180	13.89	16.00
			46	5230	14.14	16.00
802.11ac-VHT20 MCS0	44	5220	14.05	16.00		
		48	5240	14.07	16.00	
		38	5180	13.61	15.50	
		46	5230	13.53	15.50	
802.11ac-VHT80 MCS0	42	5210	13.09	14.50		

5GHz WLAN					
Ant6					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	14.18	15.50	
		56	5280	14.23	15.50
		60	5300	14.45	15.50
		64	5320	14.27	15.50
802.11n-HT20 MCS0	52	5260	14.18	16.00	
		56	5280	14.18	16.00
		60	5300	14.49	16.00
		64	5320	14.20	16.00
802.11n-HT40 MCS0	54	5270	13.74	15.50	
		62	5310	13.85	15.50
		52	5260	14.09	16.00
		56	5280	14.17	16.00
802.11ac-VHT20 MCS0	60	5300	14.33	16.00	
		64	5320	14.19	16.00
		54	5270	13.60	15.50
		62	5310	13.64	15.50
802.11ac-VHT80 MCS0	58	5290	13.09	14.50	

5GHz WLAN					
Ant6					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	14.10	15.50	
		116	5580	14.31	15.50
		124	5620	14.27	15.50
		132	5660	14.38	15.50
		140	5700	14.69	15.50
		144	5720	14.53	15.50
		100	5500	14.13	16.00
		116	5580	14.30	16.00
802.11n-HT20 MCS0	124	5620	14.42	16.00	
		132	5660	14.23	16.00
		140	5700	14.82	16.00
		144	5720	14.48	16.00
		102	5510	13.71	15.50
		110	5550	13.55	15.50
		126	5630	13.87	15.50
		134	5670	14.14	15.50
802.11n-HT40 MCS0	142	5710	14.01	15.50	
		100	5500	14.04	16.00
		116	5580	14.12	16.00
		124	5620	14.09	16.00
		132	5660	14.49	16.00
		140	5700	14.81	16.00
		144	5720	14.41	16.00
		102	5510	13.59	15.50
802.11ac-VHT20 MCS0	126	5630	13.76	15.50	
		134	5670	14.03	15.50
		142	5710	13.97	15.50
		106	5530	13.03	14.50
		122	5610	13.26	14.50
		138	5690	13.55	14.50

5GHz WLAN					
Ant6					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	13.88	15.50	
		157	5785	13.93	15.50
		165	5825	13.86	15.50
		149	5745	14.44	16.00
802.11n-HT20 MCS0	157	5785	14.35	16.00	
		165	5825	14.39	16.00
		151	5755	14.34	15.50
		159	5795	14.37	15.50
802.11n-HT40 MCS0	149	5745	14.27	16.00	
		157	5785	14.24	16.00
		165	5825	14.25	16.00
		151	5755	14.30	15.50
802.11ac-VHT20 MCS0	159	5795	14.23	15.50	
		155	5775	13.39	14.50

Ant6					
BT	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
BLE	1M	0	2402	1.16	3.00
		19	2440	2.46	4.00
		39	2480	1.93	3.00
	2M	1	2404	1.34	3.00
		19	2440	2.45	4.00
		38	2478	2.01	4.00
S2	0	2402	1.06	3.00	
		19	2440	2.36	4.00
		39	2480	1.83	3.00
	S8	0	2402	1.04	3.00
		19	2440	2.32	4.00
		39	2480	1.81	3.00
GFSK	0	2402	8.70	10.00	
		39	2441	15.15	12.00
		78	2480	9.36	11.00
		0	2402	6.40	8.00
BREDR	DQPSK	39	2441	7.93	9.00
		78	2480	7.15	9.00
		0	2402	6.24	8.00
		39	2441	7.78	9.00
8DPSK	78	2480	6.99	8.00	

DS1F Power					
2.4GHz WLAN		Ant6			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	11.75	13.50
		6	2437	11.86	13.50
		11	2462	11.91	13.50
802.11g 6Mbps	6	1	2412	13.50	13.50
		6	2437	13.50	13.50
		11	2462	13.50	13.50
802.11n-HT20 MCS0	11	1	2412	13.50	13.50
		6	2437	13.50	13.50
		11	2462	13.50	13.50

5GHz WLAN						
Ant6						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180	8.69	10.00	
		40	5200	8.77	10.00	
		44	5220	8.74	10.00	
		48	5240	8.96	10.00	
	802.11n-HT20 MCS0	36	5180	10.00	10.00	
			40	5200	10.00	10.00
			44	5220	10.00	10.00
			48	5240	10.00	10.00
	802.11n-HT40 MCS0	38	5180	10.00	10.00	
			46	5230	10.00	10.00
			36	5180	10.00	10.00
			46	5230	10.00	10.00
802.11ac-VHT20 MCS0	44	5220	10.00	10.00		
		48	5240	10.00	10.00	
		38	5180	10.00	10.00	
		46	5230	10.00	10.00	
802.11ac-VHT80 MCS0	42	5210	10.00	10.00		

5GHz WLAN					
Ant6					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	10.50	10.50	
		56	5280	10.50	10.50
		60	5300	10.50	10.50
		64	5320	10.50	10.50
802.11n-HT20 MCS0	52	5260	8.78	10.50	
		56	5280	8.85	10.50
		60	5300	9.11	10.50
		64	5320	8.93	10.50
802.11n-HT40 MCS0	54	5270	10.50	10.50	
		62	5310	10.50	10.50
		52	5260	10.50	10.50
		56	5280	9.56	10.50
802.11ac-VHT20 MCS0	60	5300	10.50	10.50	
		64	5320	10.50	10.50
		54	5270	10.50	10.50
		62	5310	10.50	10.50
802.11ac-VHT80 MCS0	58	5290	10.50	10.50	

5GHz WLAN					
Ant6					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	10.50	10.50	
		116	5580	10.50	10.50
		124	5620	10.50	10.50
		132	5660	10.50	10.50
		140	5700	10.50	10.50
		144	5720	10.50	10.50
		100	5500	8.85	10.50
		116	5580	9.05	10.50
802.11n-HT20 MCS0	124	5620	9.11	10.50	
		132	5660	8.82	10.50
		140	5700	9.56	10.50
		144	5720	9.24	10.50
		102	5510	10.50	10.50
		110	5550	10.50	10.50
		126	5630	10.50	10.50
		134	5670	10.50	10.50
802.11n-HT40 MCS0	142	5710	10.50	10.50	
		100	5500	10.50	10.50
		116	5580	10.50	10.50
		124	5620	10.50	10.50
		132	5660	10.50	10.50
		140	5700	10.50	10.50
		144	5720	10.50	10.50
		102	5510	10.50	10.50
802.11ac-VHT20 MCS0	126	5630	10.50	10.50	
		134	5670	10.50	10.50
		142	5710	10.50	10.50
		106	5530	10.50	10.50
		122	5610	10.50	10.50
		138	5690	10.50	10.50

5GHz WLAN					
Ant6					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	10.50	10.50	
		157	5785	10.50	10.50
		165	5825	10.50	10.50
		149	5745	9.12	10.50
802.11n-HT20 MCS0	157	5785	8.97	10.50	
		165	5825	9.04	10.50
		151	5755	10.50	10.50
		159	5795	10.50	10.50
802.11n-HT40 MCS0	149	5745	10.50	10.50	
		157	5785	10.50	10.50
		165	5825	10.50	10.50
		151	5755	10.50	10.50
802.11ac-VHT20 MCS0	159	5795	10.50	10.50	
		155	5775	10.50	10.50

Ant6					
BT	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
BLE	1M	0	2402	1.16	3.00
		19	2440	2.46	4.00
		39	2480	1.93	3.00
	2M	1	2404	1.34	3.00
		19	2440	2.45	4.00
		38	2478	2	

Appendix E. Simultaneous Multi-band Transmission Evaluation

The simultaneous transmission evaluation and analysis is shown as below.

< Head Exposure Condition >

WWAN Band	Exposure Position (0mm)	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM850	Right Cheek	0.93	0.19	0.23	0.00	1.11	1.15
	Right Tilted	1.05	0.25	0.26	0.00	1.30	1.31
	Left Cheek	0.60	0.34	0.39	0.20	0.94	1.19
	Left Tilted	0.61	0.29	0.34	0.12	0.90	1.07
GSM1900	Right Cheek	0.61	0.19	0.23	0.00	0.79	0.84
	Right Tilted	0.78	0.25	0.26	0.00	1.02	1.04
	Left Cheek	0.29	0.34	0.39	0.20	0.63	0.88
	Left Tilted	0.34	0.29	0.34	0.12	0.64	0.80
WCDMA II	Right Cheek	0.87	0.19	0.23	0.00	1.06	1.10
	Right Tilted	1.03	0.25	0.26	0.00	1.27	1.29
	Left Cheek	0.37	0.34	0.39	0.20	0.71	0.96
	Left Tilted	0.44	0.29	0.34	0.12	0.73	0.90
WCDMA IV	Right Cheek	0.77	0.19	0.23	0.00	0.95	0.99
	Right Tilted	1.08	0.25	0.26	0.00	1.32	1.33
	Left Cheek	0.52	0.34	0.39	0.20	0.86	1.11
	Left Tilted	0.62	0.29	0.34	0.12	0.91	1.07
WCDMA V	Right Cheek	0.83	0.19	0.23	0.00	1.02	1.06
	Right Tilted	0.78	0.25	0.26	0.00	1.02	1.03
	Left Cheek	0.57	0.34	0.39	0.20	0.91	1.16
	Left Tilted	0.57	0.29	0.34	0.12	0.86	1.02
LTE Band 2	Right Cheek	0.75	0.19	0.23	0.00	0.94	0.98
	Right Tilted	0.76	0.25	0.26	0.00	1.00	1.01
	Left Cheek	0.34	0.34	0.39	0.20	0.68	0.93
	Left Tilted	0.41	0.29	0.34	0.12	0.70	0.86
LTE Band 7	Right Cheek	0.61	0.19	0.23	0.00	0.79	0.83
	Right Tilted	1.05	0.25	0.26	0.00	1.30	1.31
	Left Cheek	0.41	0.34	0.39	0.20	0.75	1.00
	Left Tilted	0.52	0.29	0.34	0.12	0.82	0.98
LTE Band 12/17	Right Cheek	0.97	0.19	0.23	0.00	1.16	1.20
	Right Tilted	0.74	0.25	0.26	0.00	0.99	1.00
	Left Cheek	0.45	0.34	0.39	0.20	0.79	1.04
	Left Tilted	0.44	0.29	0.34	0.12	0.73	0.90
LTE Band 13	Right Cheek	0.84	0.19	0.23	0.00	1.02	1.06
	Right Tilted	0.65	0.25	0.26	0.00	0.90	0.91
	Left Cheek	0.37	0.34	0.39	0.20	0.71	0.96
	Left Tilted	0.36	0.29	0.34	0.12	0.65	0.82
LTE Band 26/5	Right Cheek	0.76	0.19	0.23	0.00	0.94	0.98
	Right Tilted	0.77	0.25	0.26	0.00	1.01	1.02
	Left Cheek	0.55	0.34	0.39	0.20	0.88	1.14
	Left Tilted	0.56	0.29	0.34	0.12	0.85	1.02
LTE Band 38	Right Cheek	0.62	0.19	0.23	0.00	0.81	0.85
	Right Tilted	1.03	0.25	0.26	0.00	1.28	1.29
	Left Cheek	0.45	0.34	0.39	0.20	0.79	1.04
	Left Tilted	0.54	0.29	0.34	0.12	0.84	1.00
LTE Band 41	Right Cheek	0.88	0.19	0.23	0.00	1.07	1.11
	Right Tilted	0.75	0.25	0.26	0.00	0.99	1.01
	Left Cheek	0.98	0.34	0.39	0.20	1.31	1.57
	Left Tilted	0.41	0.29	0.34	0.12	0.70	0.86
LTE Band 42	Right Cheek	0.86	0.19	0.23	0.00	1.04	1.08
	Right Tilted	0.69	0.25	0.26	0.00	0.93	0.95
	Left Cheek	0.75	0.34	0.39	0.20	1.09	1.34
	Left Tilted	1.07	0.29	0.34	0.12	1.36	1.53
	Right Cheek	0.99	0.19	0.23	0.00	1.17	1.21

LTE Band 48	Right Tilted	0.58	0.25	0.26	0.00	0.82	0.84
	Left Cheek	0.61	0.34	0.39	0.20	0.95	1.20
	Left Tilted	0.65	0.29	0.34	0.12	0.94	1.11
LTE Band 66 / 4	Right Cheek	0.62	0.19	0.23	0.00	0.81	0.85
	Right Tilted	0.68	0.25	0.26	0.00	0.92	0.93
	Left Cheek	0.39	0.34	0.39	0.20	0.73	0.98
NR n2	Left Tilted	0.48	0.29	0.34	0.12	0.77	0.94
	Right Cheek	0.93	0.19	0.23	0.00	1.12	1.16
	Right Tilted	1.04	0.25	0.26	0.00	1.28	1.30
NR n7	Left Cheek	0.41	0.34	0.39	0.20	0.74	1.00
	Left Tilted	0.49	0.29	0.34	0.12	0.78	0.94
	Right Cheek	0.67	0.19	0.23	0.00	0.85	0.89
NR n12	Right Tilted	1.03	0.25	0.26	0.00	1.28	1.29
	Left Cheek	0.46	0.34	0.39	0.20	0.80	1.05
	Left Tilted	0.56	0.29	0.34	0.12	0.85	1.02
NR n26/5	Right Cheek	0.97	0.19	0.23	0.00	1.16	1.20
	Right Tilted	0.74	0.25	0.26	0.00	0.99	1.00
	Left Cheek	0.45	0.34	0.39	0.20	0.79	1.04
NR n38	Left Tilted	0.44	0.29	0.34	0.12	0.73	0.90
	Right Cheek	0.81	0.19	0.23	0.00	0.99	1.03
	Right Tilted	0.83	0.25	0.26	0.00	1.08	1.09
NR n41	Left Cheek	0.50	0.34	0.39	0.20	0.84	1.09
	Left Tilted	0.51	0.29	0.34	0.12	0.80	0.97
	Right Cheek	0.60	0.19	0.23	0.00	0.79	0.83
NR n48	Right Tilted	0.97	0.25	0.26	0.00	1.22	1.23
	Left Cheek	0.44	0.34	0.39	0.20	0.77	1.03
	Left Tilted	0.52	0.29	0.34	0.12	0.81	0.98
NR n66	Right Cheek	0.92	0.19	0.23	0.00	1.10	1.14
	Right Tilted	1.07	0.25	0.26	0.00	1.31	1.32
	Left Cheek	0.96	0.34	0.39	0.20	1.29	1.55
NR n77	Left Tilted	0.65	0.29	0.34	0.12	0.94	1.10
	Right Cheek	0.96	0.19	0.23	0.00	1.14	1.18
	Right Tilted	0.58	0.25	0.26	0.00	0.82	0.84
NR n78	Left Cheek	0.97	0.34	0.39	0.20	1.30	1.56
	Left Tilted	0.99	0.29	0.34	0.12	1.28	1.45
	Right Cheek	0.76	0.19	0.23	0.00	0.95	0.99
NR n78	Right Tilted	0.96	0.25	0.26	0.00	1.21	1.22
	Left Cheek	0.56	0.34	0.39	0.20	0.90	1.15
	Left Tilted	0.66	0.29	0.34	0.12	0.95	1.12
NR n78	Right Cheek	1.06	0.19	0.23	0.00	1.25	1.29
	Right Tilted	0.68	0.25	0.26	0.00	0.93	0.94
	Left Cheek	0.95	0.34	0.39	0.20	1.29	1.54
NR n78	Left Tilted	0.92	0.29	0.34	0.12	1.21	1.38
	Right Cheek	1.06	0.19	0.23	0.00	1.25	1.29
	Right Tilted	0.68	0.25	0.26	0.00	0.93	0.94
NR n78	Left Cheek	0.95	0.34	0.39	0.20	1.29	1.54
	Left Tilted	0.92	0.29	0.34	0.12	1.21	1.38

< Head Exposure Condition > ENDC

WWAN Band (LTE)	WWAN Band (NR)	Exposure Position (0mm)	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			LTE	NR	2.4GHz WLAN	5GHz WLAN	Bluetooth		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE Band 2 (Ant3)	NR n66 (Ant1)	Right Cheek	0.32	0.13	0.19	0.23	0.00	0.64	0.68
		Right Tilted	0.06	0.00	0.25	0.26	0.00	0.30	0.32
		Left Cheek	0.11	0.07	0.34	0.39	0.20	0.51	0.77
		Left Tilted	0.00	0.00	0.29	0.34	0.12	0.29	0.46
LTE Band 2 (Ant3)	NR n66 (Ant4)	Right Cheek	0.32	0.68	0.19	0.23	0.00	1.18	1.23
		Right Tilted	0.06	0.79	0.25	0.26	0.00	1.10	1.11
		Left Cheek	0.11	0.46	0.34	0.39	0.20	0.90	1.15
		Left Tilted	0.00	0.55	0.29	0.34	0.12	0.84	1.00
LTE Band 2 (Ant3)	NR n77 (Ant5)	Right Cheek	0.32	0.44	0.19	0.23	0.00	0.95	0.99
		Right Tilted	0.06	0.46	0.25	0.26	0.00	0.76	0.77
		Left Cheek	0.11	0.40	0.34	0.39	0.20	0.85	1.10
		Left Tilted	0.00	0.51	0.29	0.34	0.12	0.80	0.96
LTE Band 2 (Ant3)	NR n77 (Ant7)	Right Cheek	0.32	0.09	0.19	0.23	0.00	0.60	0.64
		Right Tilted	0.06	0.09	0.25	0.26	0.00	0.39	0.40
		Left Cheek	0.11	0.58	0.34	0.39	0.20	1.02	1.27
		Left Tilted	0.00	0.15	0.29	0.34	0.12	0.44	0.61
LTE Band 2 (Ant3)	NR n77 (Ant2)	Right Cheek	0.32	0.40	0.19	0.23	0.00	0.90	0.95
		Right Tilted	0.06	0.19	0.25	0.26	0.00	0.49	0.50
		Left Cheek	0.11	0.10	0.34	0.39	0.20	0.55	0.80
		Left Tilted	0.00	0.10	0.29	0.34	0.12	0.39	0.55
LTE Band 2 (Ant3)	NR n77 (Ant3)	Right Cheek	0.32	0.36	0.19	0.23	0.00	0.87	0.91
		Right Tilted	0.06	0.36	0.25	0.26	0.00	0.67	0.68
		Left Cheek	0.11	0.18	0.34	0.39	0.20	0.62	0.87
		Left Tilted	0.00	0.06	0.29	0.34	0.12	0.35	0.52
LTE Band 2 (Ant3)	NR n78 (Ant5)	Right Cheek	0.32	0.44	0.19	0.23	0.00	0.95	0.99
		Right Tilted	0.06	0.46	0.25	0.26	0.00	0.76	0.77
		Left Cheek	0.11	0.40	0.34	0.39	0.20	0.85	1.10
		Left Tilted	0.00	0.51	0.29	0.34	0.12	0.80	0.96
LTE Band 2 (Ant3)	NR n78 (Ant7)	Right Cheek	0.32	0.09	0.19	0.23	0.00	0.60	0.64
		Right Tilted	0.06	0.09	0.25	0.26	0.00	0.39	0.40
		Left Cheek	0.11	0.58	0.34	0.39	0.20	1.02	1.27
		Left Tilted	0.00	0.15	0.29	0.34	0.12	0.44	0.61
LTE Band 2 (Ant3)	NR n78 (Ant2)	Right Cheek	0.32	0.40	0.19	0.23	0.00	0.90	0.95
		Right Tilted	0.06	0.19	0.25	0.26	0.00	0.49	0.50
		Left Cheek	0.11	0.10	0.34	0.39	0.20	0.55	0.80
		Left Tilted	0.00	0.10	0.29	0.34	0.12	0.39	0.55
LTE Band 2 (Ant3)	NR n78 (Ant3)	Right Cheek	0.32	0.36	0.19	0.23	0.00	0.87	0.91
		Right Tilted	0.06	0.36	0.25	0.26	0.00	0.67	0.68
		Left Cheek	0.11	0.18	0.34	0.39	0.20	0.62	0.87
		Left Tilted	0.00	0.06	0.29	0.34	0.12	0.35	0.52
LTE Band 66/4 (Ant3)	NR n7 (Ant1)	Right Cheek	0.29	0.35	0.19	0.23	0.00	0.82	0.86
		Right Tilted	0.07	0.14	0.25	0.26	0.00	0.45	0.47
		Left Cheek	0.18	0.15	0.34	0.39	0.20	0.67	0.92
		Left Tilted	0.00	0.09	0.29	0.34	0.12	0.38	0.55
LTE Band 66/4 (Ant3)	NR n7 (Ant4)	Right Cheek	0.29	0.67	0.19	0.23	0.00	1.14	1.18
		Right Tilted	0.07	1.03	0.25	0.26	0.00	1.35	1.36
		Left Cheek	0.18	0.46	0.34	0.39	0.20	0.98	1.24
		Left Tilted	0.00	0.56	0.29	0.34	0.12	0.85	1.02
LTE Band 66/4 (Ant3)	NR n38 (Ant1)	Right Cheek	0.29	0.24	0.19	0.23	0.00	0.72	0.76
		Right Tilted	0.07	0.13	0.25	0.26	0.00	0.44	0.46
		Left Cheek	0.18	0.12	0.34	0.39	0.20	0.64	0.89
		Left Tilted	0.00	0.09	0.29	0.34	0.12	0.38	0.55
LTE Band 66/4 (Ant3)	NR n38 (Ant4)	Right Cheek	0.29	0.60	0.19	0.23	0.00	1.08	1.12
		Right Tilted	0.07	0.97	0.25	0.26	0.00	1.29	1.30
		Left Cheek	0.18	0.44	0.34	0.39	0.20	0.96	1.21
		Left Tilted	0.00	0.51	0.29	0.34	0.12	0.80	0.97
LTE Band 66/4 (Ant3)	NR n41 (Ant1)	Right Cheek	0.29	0.25	0.19	0.23	0.00	0.72	0.76
		Right Tilted	0.07	0.12	0.25	0.26	0.00	0.44	0.45
		Left Cheek	0.18	0.14	0.34	0.39	0.20	0.66	0.91
		Left Tilted	0.00	0.10	0.29	0.34	0.12	0.39	0.55
LTE Band 66/4	NR n41	Right Cheek	0.29	0.75	0.19	0.23	0.00	1.22	1.26
		Right Tilted	0.07	1.07	0.25	0.26	0.00	1.38	1.39

(Ant3)	(Ant4)	Left Cheek	0.18	0.56	0.34	0.39	0.20	1.08	1.33
		Left Tilted	0.00	0.65	0.29	0.34	0.12	0.94	1.10
LTE Band 66 (Ant3)	NR n66 (Ant1)	Right Cheek	0.29	0.13	0.19	0.23	0.00	0.60	0.64
		Right Tilted	0.07	0.00	0.25	0.26	0.00	0.31	0.33
		Left Cheek	0.18	0.07	0.34	0.39	0.20	0.59	0.84
		Left Tilted	0.00	0.00	0.29	0.34	0.12	0.29	0.46
LTE Band 66 (Ant3)	NR n66 (Ant4)	Right Cheek	0.29	0.68	0.19	0.23	0.00	1.15	1.19
		Right Tilted	0.07	0.79	0.25	0.26	0.00	1.11	1.12
		Left Cheek	0.18	0.46	0.34	0.39	0.20	0.98	1.23
		Left Tilted	0.00	0.55	0.29	0.34	0.12	0.84	1.00
LTE Band 66/4 (Ant3)	NR n78 (Ant5)	Right Cheek	0.29	0.44	0.19	0.23	0.00	0.92	0.96
		Right Tilted	0.07	0.46	0.25	0.26	0.00	0.77	0.79
		Left Cheek	0.18	0.40	0.34	0.39	0.20	0.92	1.17
		Left Tilted	0.00	0.51	0.29	0.34	0.12	0.80	0.96
LTE Band 66/4 (Ant3)	NR n78 (Ant7)	Right Cheek	0.29	0.09	0.19	0.23	0.00	0.56	0.60
		Right Tilted	0.07	0.09	0.25	0.26	0.00	0.40	0.41
		Left Cheek	0.18	0.58	0.34	0.39	0.20	1.10	1.35
		Left Tilted	0.00	0.15	0.29	0.34	0.12	0.44	0.61
LTE Band 66/4 (Ant3)	NR n78 (Ant3)	Right Cheek	0.29	0.36	0.19	0.23	0.00	0.84	0.88
		Right Tilted	0.07	0.36	0.25	0.26	0.00	0.68	0.69
		Left Cheek	0.18	0.18	0.34	0.39	0.20	0.69	0.95
		Left Tilted	0.00	0.06	0.29	0.34	0.12	0.35	0.52
LTE Band 66/4 (Ant3)	NR n78 (Ant2)	Right Cheek	0.29	0.40	0.19	0.23	0.00	0.87	0.91
		Right Tilted	0.07	0.19	0.25	0.26	0.00	0.50	0.51
		Left Cheek	0.18	0.10	0.34	0.39	0.20	0.62	0.87
		Left Tilted	0.00	0.10	0.29	0.34	0.12	0.39	0.55
LTE Band 5 (Ant1)	NR n7 (Ant4)	Right Cheek	0.23	0.67	0.19	0.23	0.00	1.08	1.12
		Right Tilted	0.09	1.03	0.25	0.26	0.00	1.36	1.38
		Left Cheek	0.19	0.46	0.34	0.39	0.20	1.00	1.25
		Left Tilted	0.10	0.56	0.29	0.34	0.12	0.96	1.12
LTE Band 5 (Ant4)	NR n7 (Ant1)	Right Cheek	0.76	0.35	0.19	0.23	0.00	1.29	1.33
		Right Tilted	0.77	0.14	0.25	0.26	0.00	1.15	1.16
		Left Cheek	0.55	0.15	0.34	0.39	0.20	1.04	1.29
		Left Tilted	0.56	0.09	0.29	0.34	0.12	0.95	1.11
LTE Band 5 (Ant1)	NR n66 (Ant4)	Right Cheek	0.23	0.68	0.19	0.23	0.00	1.09	1.13
		Right Tilted	0.09	0.79	0.25	0.26	0.00	1.12	1.14
		Left Cheek	0.19	0.46	0.34	0.39	0.20	0.99	1.24
		Left Tilted	0.10	0.55	0.29	0.34	0.12	0.94	1.11
LTE Band 5 (Ant4)	NR n66 (Ant1)	Right Cheek	0.76	0.13	0.19	0.23	0.00	1.07	1.11
		Right Tilted	0.77	0.00	0.25	0.26	0.00	1.01	1.02
		Left Cheek	0.55	0.07	0.34	0.39	0.20	0.95	1.20
		Left Tilted	0.56	0.00	0.29	0.34	0.12	0.85	1.02
LTE Band 5/26 (Ant1)	NR n78 (Ant5)	Right Cheek	0.23	0.44	0.19	0.23	0.00	0.86	0.90
		Right Tilted	0.09	0.46	0.25	0.26	0.00	0.79	0.80
		Left Cheek	0.19	0.40	0.34	0.39	0.20	0.94	1.19
		Left Tilted	0.10	0.51	0.29	0.34	0.12	0.90	1.07
LTE Band 5/26 (Ant1)	NR n78 (Ant7)	Right Cheek	0.23	0.09	0.19	0.23	0.00	0.51	0.55
		Right Tilted	0.09	0.09	0.25	0.26	0.00	0.42	0.43
		Left Cheek	0.19	0.58	0.34	0.39	0.20	1.11	1.36
		Left Tilted	0.10	0.15	0.29	0.34	0.12	0.55	0.71
LTE Band 5/26 (Ant1)	NR n78 (Ant2)	Right Cheek	0.23	0.40	0.19	0.23	0.00	0.81	0.85
		Right Tilted	0.09	0.19	0.25	0.26	0.00	0.52	0.53
		Left Cheek	0.19	0.10	0.34	0.39	0.20	0.63	0.89
		Left Tilted	0.10	0.10	0.29	0.34	0.12	0.49	0.66
LTE Band 5/26 (Ant1)	NR n78 (Ant3)	Right Cheek	0.23	0.36	0.19	0.23	0.00	0.78	0.82
		Right Tilted	0.09	0.36	0.25	0.26	0.00	0.69	0.71
		Left Cheek	0.19	0.18	0.34	0.39	0.20	0.71	0.96
		Left Tilted	0.10	0.06	0.29	0.34	0.12	0.46	0.62
LTE Band 5/26 (Ant4)	NR n78 (Ant5)	Right Cheek	0.76	0.44	0.19	0.23	0.00	1.39	1.43
		Right Tilted	0.77	0.46	0.25	0.26	0.00	1.47	1.48
		Left Cheek	0.55	0.40	0.34	0.39	0.20	1.29	1.54
		Left Tilted	0.56	0.51	0.29	0.34	0.12	1.36	1.53
LTE Band 5/26 (Ant4)	NR n78 (Ant7)	Right Cheek	0.76	0.09	0.19	0.23	0.00	1.03	1.07
		Right Tilted	0.77	0.09	0.25	0.26	0.00	1.10	1.11
		Left Cheek	0.55	0.43	0.34	0.39	0.20	1.31	1.56
		Left Tilted	0.56	0.15	0.29	0.34	0.12	1.01	1.17
		Right Cheek	0.76	0.40	0.19	0.23	0.00	1.34	1.38

LTE Band 5/26 (Ant4)	NR n78 (Ant2)	Right Tilted	0.77	0.19	0.25	0.26	0.00	1.20	1.21
		Left Cheek	0.55	0.10	0.34	0.39	0.20	0.99	1.24
		Left Tilted	0.56	0.10	0.29	0.34	0.12	0.95	1.12
LTE Band 5/26 (Ant4)	NR n78 (Ant3)	Right Cheek	0.76	0.36	0.19	0.23	0.00	1.31	1.35
		Right Tilted	0.77	0.36	0.25	0.26	0.00	1.37	1.39
		Left Cheek	0.55	0.18	0.34	0.39	0.20	1.06	1.31
		Left Tilted	0.56	0.06	0.29	0.34	0.12	0.91	1.08
LTE Band 7 (Ant4)	NR n5 (Ant1)	Right Cheek	0.61	0.28	0.19	0.23	0.00	1.07	1.11
		Right Tilted	1.05	0.11	0.25	0.26	0.00	1.41	1.42
		Left Cheek	0.41	0.22	0.34	0.39	0.20	0.97	1.22
		Left Tilted	0.52	0.12	0.29	0.34	0.12	0.93	1.10
LTE Band 7 (Ant1)	NR n5 (Ant4)	Right Cheek	0.27	0.78	0.19	0.23	0.00	1.23	1.27
		Right Tilted	0.09	0.84	0.25	0.26	0.00	1.18	1.19
		Left Cheek	0.13	0.55	0.34	0.39	0.20	1.02	1.27
		Left Tilted	0.07	0.57	0.29	0.34	0.12	0.93	1.10
LTE Band 7 (Ant3)	NR n7 (Ant1)	Right Cheek	0.43	0.35	0.19	0.23	0.00	0.96	1.01
		Right Tilted	0.08	0.14	0.25	0.26	0.00	0.46	0.48
		Left Cheek	0.18	0.15	0.34	0.39	0.20	0.67	0.92
		Left Tilted	0.00	0.09	0.29	0.34	0.12	0.38	0.55
LTE Band 7 (Ant3)	NR n7 (Ant4)	Right Cheek	0.43	0.67	0.19	0.23	0.00	1.29	1.33
		Right Tilted	0.08	1.03	0.25	0.26	0.00	1.36	1.37
		Left Cheek	0.18	0.46	0.34	0.39	0.20	0.98	1.24
		Left Tilted	0.00	0.56	0.29	0.34	0.12	0.85	1.02
LTE Band 7 (Ant3)	NR n66 (Ant1)	Right Cheek	0.43	0.13	0.19	0.23	0.00	0.75	0.79
		Right Tilted	0.08	0.00	0.25	0.26	0.00	0.32	0.34
		Left Cheek	0.18	0.07	0.34	0.39	0.20	0.59	0.84
		Left Tilted	0.00	0.00	0.29	0.34	0.12	0.29	0.46
LTE Band 7 (Ant3)	NR n66 (Ant4)	Right Cheek	0.43	0.68	0.19	0.23	0.00	1.30	1.34
		Right Tilted	0.08	0.79	0.25	0.26	0.00	1.11	1.13
		Left Cheek	0.18	0.46	0.34	0.39	0.20	0.98	1.23
		Left Tilted	0.00	0.55	0.29	0.34	0.12	0.84	1.00
LTE Band 7 (Ant3)	NR n78 (Ant5)	Right Cheek	0.43	0.44	0.19	0.23	0.00	1.06	1.10
		Right Tilted	0.08	0.46	0.25	0.26	0.00	0.78	0.79
		Left Cheek	0.18	0.40	0.34	0.39	0.20	0.92	1.17
		Left Tilted	0.00	0.51	0.29	0.34	0.12	0.80	0.96
LTE Band 7 (Ant3)	NR n78 (Ant7)	Right Cheek	0.43	0.09	0.19	0.23	0.00	0.71	0.75
		Right Tilted	0.08	0.09	0.25	0.26	0.00	0.41	0.42
		Left Cheek	0.18	0.58	0.34	0.39	0.20	1.10	1.35
		Left Tilted	0.00	0.15	0.29	0.34	0.12	0.44	0.61
LTE Band 7 (Ant3)	NR n78 (Ant2)	Right Cheek	0.43	0.40	0.19	0.23	0.00	1.02	1.06
		Right Tilted	0.08	0.19	0.25	0.26	0.00	0.51	0.52
		Left Cheek	0.18	0.10	0.34	0.39	0.20	0.62	0.87
		Left Tilted	0.00	0.10	0.29	0.34	0.12	0.39	0.55
LTE Band 7 (Ant3)	NR n78 (Ant3)	Right Cheek	0.43	0.36	0.19	0.23	0.00	0.98	1.02
		Right Tilted	0.08	0.36	0.25	0.26	0.00	0.68	0.70
		Left Cheek	0.18	0.18	0.34	0.39	0.20	0.69	0.95
		Left Tilted	0.00	0.06	0.29	0.34	0.12	0.35	0.52
LTE Band 38 (Ant3)	NR n78 (Ant5)	Right Cheek	0.23	0.44	0.19	0.23	0.00	0.86	0.90
		Right Tilted	0.00	0.46	0.25	0.26	0.00	0.70	0.72
		Left Cheek	0.11	0.40	0.34	0.39	0.20	0.85	1.10
		Left Tilted	0.00	0.51	0.29	0.34	0.12	0.80	0.96
LTE Band 38 (Ant3)	NR n78 (Ant7)	Right Cheek	0.23	0.09	0.19	0.23	0.00	0.50	0.54
		Right Tilted	0.00	0.09	0.25	0.26	0.00	0.33	0.34
		Left Cheek	0.11	0.58	0.34	0.39	0.20	1.02	1.27
		Left Tilted	0.00	0.15	0.29	0.34	0.12	0.44	0.61
LTE Band 38 (Ant3)	NR n78 (Ant2)	Right Cheek	0.23	0.40	0.19	0.23	0.00	0.81	0.85
		Right Tilted	0.00	0.19	0.25	0.26	0.00	0.43	0.44
		Left Cheek	0.11	0.10	0.34	0.39	0.20	0.55	0.80
		Left Tilted	0.00	0.10	0.29	0.34	0.12	0.39	0.55
LTE Band 38 (Ant3)	NR n78 (Ant3)	Right Cheek	0.23	0.36	0.19	0.23	0.00	0.78	0.82
		Right Tilted	0.00	0.36	0.25	0.26	0.00	0.61	0.62
		Left Cheek	0.11	0.18	0.34	0.39	0.20	0.62	0.87
		Left Tilted	0.00	0.06	0.29	0.34	0.12	0.35	0.52
LTE Band 41 (Ant3)	NR n41 (Ant1)	Right Cheek	0.41	0.25	0.19	0.23	0.00	0.84	0.88
		Right Tilted	0.07	0.12	0.25	0.26	0.00	0.44	0.45
		Left Cheek	0.16	0.14	0.34	0.39	0.20	0.64	0.89

		Left Tilted	0.00	0.10	0.29	0.34	0.12	0.39	0.55
LTE Band 41 (Ant3)	NR n41 (Ant4)	Right Cheek	0.41	0.75	0.19	0.23	0.00	1.34	1.38
		Right Tilted	0.07	1.07	0.25	0.26	0.00	1.38	1.39
		Left Cheek	0.16	0.56	0.34	0.39	0.20	1.06	1.31
		Left Tilted	0.00	0.65	0.29	0.34	0.12	0.94	1.10
LTE Band 41 (Ant3)	NR n78 (Ant5)	Right Cheek	0.41	0.44	0.19	0.23	0.00	1.04	1.08
		Right Tilted	0.07	0.46	0.25	0.26	0.00	0.77	0.79
		Left Cheek	0.16	0.40	0.34	0.39	0.20	0.90	1.15
		Left Tilted	0.00	0.51	0.29	0.34	0.12	0.80	0.96
LTE Band 41 (Ant3)	NR n78 (Ant7)	Right Cheek	0.41	0.09	0.19	0.23	0.00	0.68	0.72
		Right Tilted	0.07	0.09	0.25	0.26	0.00	0.40	0.41
		Left Cheek	0.16	0.58	0.34	0.39	0.20	1.08	1.33
		Left Tilted	0.00	0.15	0.29	0.34	0.12	0.44	0.61
LTE Band 41 (Ant3)	NR n78 (Ant2)	Right Cheek	0.41	0.40	0.19	0.23	0.00	0.99	1.03
		Right Tilted	0.07	0.19	0.25	0.26	0.00	0.50	0.51
		Left Cheek	0.16	0.10	0.34	0.39	0.20	0.60	0.85
		Left Tilted	0.00	0.10	0.29	0.34	0.12	0.39	0.55
LTE Band 41 (Ant3)	NR n78 (Ant3)	Right Cheek	0.41	0.36	0.19	0.23	0.00	0.96	1.00
		Right Tilted	0.07	0.36	0.25	0.26	0.00	0.68	0.69
		Left Cheek	0.16	0.18	0.34	0.39	0.20	0.67	0.93
		Left Tilted	0.00	0.06	0.29	0.34	0.12	0.35	0.52

< Head Exposure Condition > Inter UL CA

WWAN Band (LTE)	WWAN Band (LTE)	Exposure Position (0mm)	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			LTE	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE Band 2 (Ant1)	LTE Band 4 (Ant3)	Right Cheek	0.00	0.29	0.19	0.23	0.00	0.29	0.48	0.52
		Right Tilted	0.00	0.07	0.25	0.26	0.00	0.07	0.31	0.33
		Left Cheek	0.06	0.18	0.34	0.39	0.20	0.24	0.58	0.83
		Left Tilted	0.00	0.00	0.29	0.34	0.12	0.00	0.29	0.46
LTE Band 2 (Ant4)	LTE Band 4 (Ant3)	Right Cheek	0.75	0.29	0.19	0.23	0.00	1.04	1.23	1.27
		Right Tilted	0.76	0.07	0.25	0.26	0.00	0.82	1.07	1.08
		Left Cheek	0.34	0.18	0.34	0.39	0.20	0.52	0.86	1.11
		Left Tilted	0.41	0.00	0.29	0.34	0.12	0.41	0.70	0.86
LTE Band 4 (Ant4)	LTE Band 5 (Ant1)	Right Cheek	0.62	0.23	0.19	0.23	0.00	0.86	1.04	1.08
		Right Tilted	0.68	0.09	0.25	0.26	0.00	0.76	1.01	1.02
		Left Cheek	0.39	0.19	0.34	0.39	0.20	0.58	0.92	1.17
		Left Tilted	0.48	0.10	0.29	0.34	0.12	0.58	0.87	1.04
LTE Band 4 (Ant1)	LTE Band 5 (Ant4)	Right Cheek	0.11	0.76	0.19	0.23	0.00	0.86	1.05	1.09
		Right Tilted	0.00	0.77	0.25	0.26	0.00	0.77	1.01	1.02
		Left Cheek	0.06	0.55	0.34	0.39	0.20	0.60	0.94	1.19
		Left Tilted	0.00	0.56	0.29	0.34	0.12	0.56	0.85	1.02
LTE Band 4 (Ant1)	LTE Band 7 (Ant3)	Right Cheek	0.11	0.43	0.19	0.23	0.00	0.54	0.72	0.77
		Right Tilted	0.00	0.08	0.25	0.26	0.00	0.08	0.32	0.34
		Left Cheek	0.06	0.18	0.34	0.39	0.20	0.24	0.58	0.83
		Left Tilted	0.00	0.00	0.29	0.34	0.12	0.00	0.29	0.46
LTE Band 4 (Ant4)	LTE Band 7 (Ant3)	Right Cheek	0.62	0.43	0.19	0.23	0.00	1.06	1.24	1.28
		Right Tilted	0.68	0.08	0.25	0.26	0.00	0.75	1.00	1.01
		Left Cheek	0.39	0.18	0.34	0.39	0.20	0.57	0.91	1.16
		Left Tilted	0.48	0.00	0.29	0.34	0.12	0.48	0.77	0.94

< Body worn Exposure Condition >

WWAN Band	Exposure Position (10mm)	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM850	Front	0.21	0.19	0.20	0.00	0.41	0.41
	Back	0.30	0.23	0.24	0.04	0.53	0.58
GSM1900	Front	0.42	0.19	0.20	0.00	0.62	0.62
	Back	0.43	0.23	0.24	0.04	0.66	0.71
WCDMA II	Front	0.52	0.19	0.20	0.00	0.71	0.72
	Back	0.88	0.23	0.24	0.04	1.11	1.16
WCDMA IV	Front	0.41	0.19	0.20	0.00	0.60	0.61
	Back	0.66	0.23	0.24	0.04	0.90	0.94
WCDMA V	Front	0.27	0.19	0.20	0.00	0.46	0.47
	Back	0.36	0.23	0.24	0.04	0.59	0.64
LTE Band 2	Front	0.36	0.19	0.20	0.00	0.56	0.56
	Back	0.60	0.23	0.24	0.04	0.83	0.88
LTE Band 7	Front	0.52	0.19	0.20	0.00	0.71	0.72
	Back	0.55	0.23	0.24	0.04	0.78	0.83
LTE Band 12/17	Front	0.25	0.19	0.20	0.00	0.45	0.46
	Back	0.30	0.23	0.24	0.04	0.53	0.58
LTE Band 13	Front	0.19	0.19	0.20	0.00	0.39	0.39
	Back	0.25	0.23	0.24	0.04	0.49	0.53
LTE Band 26/5	Front	0.25	0.19	0.20	0.00	0.44	0.45
	Back	0.41	0.23	0.24	0.04	0.64	0.69
LTE Band 38	Front	0.44	0.19	0.20	0.00	0.63	0.64
	Back	0.57	0.23	0.24	0.04	0.81	0.85
LTE Band 41	Front	0.43	0.19	0.20	0.00	0.62	0.63
	Back	0.55	0.23	0.24	0.04	0.78	0.83
LTE Band 42	Front	0.41	0.19	0.20	0.00	0.60	0.61
	Back	0.56	0.23	0.24	0.04	0.79	0.84
LTE Band 48	Front	0.35	0.19	0.20	0.00	0.55	0.55
	Back	0.76	0.23	0.24	0.04	0.99	1.04
LTE Band 66 / 4	Front	0.39	0.19	0.20	0.00	0.59	0.59
	Back	0.57	0.23	0.24	0.04	0.80	0.85
NR n2	Front	0.45	0.19	0.20	0.00	0.64	0.65
	Back	0.71	0.23	0.24	0.04	0.94	0.99
NR n7	Front	0.51	0.19	0.20	0.00	0.71	0.72
	Back	0.60	0.23	0.24	0.04	0.83	0.88
NR n12	Front	0.22	0.19	0.20	0.00	0.41	0.42
	Back	0.24	0.23	0.24	0.04	0.47	0.52
NR n26/5	Front	0.28	0.19	0.20	0.00	0.47	0.48
	Back	0.47	0.23	0.24	0.04	0.70	0.75
NR n38	Front	0.50	0.19	0.20	0.00	0.70	0.70
	Back	0.62	0.23	0.24	0.04	0.85	0.90
NR n41	Front	0.45	0.19	0.20	0.00	0.64	0.65
	Back	0.65	0.23	0.24	0.04	0.88	0.93
NR n48	Front	0.45	0.19	0.20	0.00	0.64	0.65
	Back	1.08	0.23	0.24	0.04	1.31	1.36
NR n66	Front	0.44	0.19	0.20	0.00	0.63	0.64
	Back	0.78	0.23	0.24	0.04	1.01	1.06
NR n77	Front	0.43	0.19	0.20	0.00	0.62	0.63
	Back	0.97	0.23	0.24	0.04	1.20	1.25
NR n78	Front	0.43	0.19	0.20	0.00	0.62	0.63
	Back	0.97	0.23	0.24	0.04	1.20	1.25

< Body worn Exposure Condition > ENDC

WWAN Band (LTE)	WWAN Band (NR)	Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			LTE	NR	2.4GHz WLAN	5GHz WLAN	Bluetooth		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE Band 2 (Ant3)	NR n66 (Ant1)	Front	0.09	0.37	0.19	0.20	0.00	0.65	0.65
		Back	0.10	0.51	0.23	0.24	0.04	0.85	0.89
LTE Band 2 (Ant3)	NR n66 (Ant4)	Front	0.09	0.25	0.19	0.20	0.00	0.53	0.53
		Back	0.10	0.38	0.23	0.24	0.04	0.71	0.76
LTE Band 2 (Ant3)	NR n77 (Ant5)	Front	0.09	0.23	0.19	0.20	0.00	0.51	0.52
		Back	0.10	0.37	0.23	0.24	0.04	0.71	0.75
LTE Band 2 (Ant3)	NR n77 (Ant7)	Front	0.09	0.11	0.19	0.20	0.00	0.39	0.40
		Back	0.10	0.68	0.23	0.24	0.04	1.01	1.06
LTE Band 2 (Ant3)	NR n77 (Ant2)	Front	0.09	0.38	0.19	0.20	0.00	0.66	0.67
		Back	0.10	0.31	0.23	0.24	0.04	0.64	0.69
LTE Band 2 (Ant3)	NR n77 (Ant3)	Front	0.09	0.13	0.19	0.20	0.00	0.41	0.42
		Back	0.10	0.19	0.23	0.24	0.04	0.52	0.57
LTE Band 2 (Ant3)	NR n78 (Ant5)	Front	0.09	0.23	0.19	0.20	0.00	0.51	0.52
		Back	0.10	0.37	0.23	0.24	0.04	0.71	0.75
LTE Band 2 (Ant3)	NR n78 (Ant7)	Front	0.09	0.11	0.19	0.20	0.00	0.39	0.40
		Back	0.10	0.68	0.23	0.24	0.04	1.01	1.06
LTE Band 2 (Ant3)	NR n78 (Ant2)	Front	0.09	0.38	0.19	0.20	0.00	0.66	0.67
		Back	0.10	0.31	0.23	0.24	0.04	0.64	0.69
LTE Band 2 (Ant3)	NR n78 (Ant3)	Front	0.09	0.13	0.19	0.20	0.00	0.41	0.42
		Back	0.10	0.19	0.23	0.24	0.04	0.52	0.57
LTE Band 66/4 (Ant3)	NR n7 (Ant1)	Front	0.12	0.51	0.19	0.20	0.00	0.82	0.83
		Back	0.17	0.47	0.23	0.24	0.04	0.86	0.91
LTE Band 66/4 (Ant3)	NR n7 (Ant4)	Front	0.12	0.31	0.19	0.20	0.00	0.62	0.63
		Back	0.17	0.60	0.23	0.24	0.04	1.00	1.04
LTE Band 66/4 (Ant3)	NR n38 (Ant1)	Front	0.12	0.50	0.19	0.20	0.00	0.81	0.82
		Back	0.17	0.52	0.23	0.24	0.04	0.91	0.96
LTE Band 66/4 (Ant3)	NR n38 (Ant4)	Front	0.12	0.35	0.19	0.20	0.00	0.66	0.67
		Back	0.17	0.62	0.23	0.24	0.04	1.02	1.06
LTE Band 66/4 (Ant3)	NR n41 (Ant1)	Front	0.12	0.45	0.19	0.20	0.00	0.75	0.76
		Back	0.17	0.48	0.23	0.24	0.04	0.88	0.92
LTE Band 66/4 (Ant3)	NR n41 (Ant4)	Front	0.12	0.35	0.19	0.20	0.00	0.66	0.67
		Back	0.17	0.65	0.23	0.24	0.04	1.05	1.10
LTE Band 66 (Ant3)	NR n66 (Ant1)	Front	0.12	0.37	0.19	0.20	0.00	0.68	0.68
		Back	0.17	0.51	0.23	0.24	0.04	0.91	0.96
LTE Band 66 (Ant3)	NR n66 (Ant4)	Front	0.12	0.25	0.19	0.20	0.00	0.56	0.56
		Back	0.17	0.38	0.23	0.24	0.04	0.77	0.82
LTE Band 66/4 (Ant3)	NR n78 (Ant5)	Front	0.12	0.23	0.19	0.20	0.00	0.54	0.55
		Back	0.17	0.37	0.23	0.24	0.04	0.77	0.82
LTE Band 66/4 (Ant3)	NR n78 (Ant7)	Front	0.12	0.11	0.19	0.20	0.00	0.42	0.42
		Back	0.17	0.68	0.23	0.24	0.04	1.07	1.12
LTE Band 66/4 (Ant3)	NR n78 (Ant2)	Front	0.12	0.38	0.19	0.20	0.00	0.69	0.70
		Back	0.17	0.31	0.23	0.24	0.04	0.70	0.75
LTE Band 66/4 (Ant3)	NR n78 (Ant3)	Front	0.12	0.13	0.19	0.20	0.00	0.44	0.45
		Back	0.17	0.19	0.23	0.24	0.04	0.59	0.64
LTE Band 5 (Ant1)	NR n7 (Ant4)	Front	0.25	0.31	0.19	0.20	0.00	0.75	0.76
		Back	0.41	0.60	0.23	0.24	0.04	1.24	1.29
LTE Band 5 (Ant4)	NR n7 (Ant1)	Front	0.22	0.51	0.19	0.20	0.00	0.93	0.93
		Back	0.30	0.47	0.23	0.24	0.04	1.00	1.04
LTE Band 5 (Ant1)	NR n66 (Ant4)	Front	0.25	0.25	0.19	0.20	0.00	0.69	0.69
		Back	0.41	0.38	0.23	0.24	0.04	1.02	1.06
LTE Band 5 (Ant4)	NR n66 (Ant1)	Front	0.22	0.37	0.19	0.20	0.00	0.78	0.79
		Back	0.30	0.51	0.23	0.24	0.04	1.04	1.09
LTE Band 5/26 (Ant1)	NR n78 (Ant5)	Front	0.25	0.23	0.19	0.20	0.00	0.67	0.68
		Back	0.41	0.37	0.23	0.24	0.04	1.01	1.06
LTE Band 5/26 (Ant1)	NR n78 (Ant7)	Front	0.25	0.11	0.19	0.20	0.00	0.55	0.56
		Back	0.41	0.68	0.23	0.24	0.04	1.32	1.36
LTE Band 5/26 (Ant1)	NR n78 (Ant2)	Front	0.25	0.38	0.19	0.20	0.00	0.82	0.83
		Back	0.41	0.31	0.23	0.24	0.04	0.95	0.99
LTE Band 5/26 (Ant1)	NR n78 (Ant3)	Front	0.25	0.13	0.19	0.20	0.00	0.57	0.58
		Back	0.41	0.19	0.23	0.24	0.04	0.83	0.88
LTE Band 5/26 (Ant4)	NR n78 (Ant5)	Front	0.22	0.23	0.19	0.20	0.00	0.64	0.65
		Back	0.30	0.37	0.23	0.24	0.04	0.90	0.95

LTE Band 5/26 (Ant4)	NR n78 (Ant7)	Front	0.22	0.11	0.19	0.20	0.00	0.52	0.53
		Back	0.30	0.68	0.23	0.24	0.04	1.21	1.26
LTE Band 5/26 (Ant4)	NR n78 (Ant2)	Front	0.22	0.38	0.19	0.20	0.00	0.79	0.80
		Back	0.30	0.31	0.23	0.24	0.04	0.84	0.89
LTE Band 5/26 (Ant4)	NR n78 (Ant3)	Front	0.22	0.13	0.19	0.20	0.00	0.54	0.55
		Back	0.30	0.19	0.23	0.24	0.04	0.72	0.77
LTE Band 7 (Ant4)	NR n5 (Ant1)	Front	0.31	0.28	0.19	0.20	0.00	0.78	0.79
		Back	0.55	0.47	0.23	0.24	0.04	1.25	1.30
LTE Band 7 (Ant1)	NR n5 (Ant4)	Front	0.58	0.23	0.19	0.20	0.00	1.00	1.01
		Back	0.54	0.29	0.23	0.24	0.04	1.06	1.11
LTE Band 7 (Ant3)	NR n7 (Ant1)	Front	0.11	0.51	0.19	0.20	0.00	0.82	0.82
		Back	0.16	0.47	0.23	0.24	0.04	0.86	0.90
LTE Band 7 (Ant3)	NR n7 (Ant4)	Front	0.11	0.31	0.19	0.20	0.00	0.61	0.62
		Back	0.16	0.60	0.23	0.24	0.04	0.99	1.04
LTE Band 7 (Ant3)	NR n66 (Ant1)	Front	0.11	0.37	0.19	0.20	0.00	0.67	0.68
		Back	0.16	0.51	0.23	0.24	0.04	0.91	0.95
LTE Band 7 (Ant3)	NR n66 (Ant4)	Front	0.11	0.25	0.19	0.20	0.00	0.55	0.56
		Back	0.16	0.38	0.23	0.24	0.04	0.77	0.82
LTE Band 7 (Ant3)	NR n78 (Ant5)	Front	0.11	0.23	0.19	0.20	0.00	0.53	0.54
		Back	0.16	0.37	0.23	0.24	0.04	0.77	0.81
LTE Band 7 (Ant3)	NR n78 (Ant7)	Front	0.11	0.11	0.19	0.20	0.00	0.41	0.42
		Back	0.16	0.68	0.23	0.24	0.04	1.07	1.12
LTE Band 7 (Ant3)	NR n78 (Ant2)	Front	0.11	0.38	0.19	0.20	0.00	0.68	0.69
		Back	0.16	0.31	0.23	0.24	0.04	0.70	0.75
LTE Band 7 (Ant3)	NR n78 (Ant3)	Front	0.11	0.13	0.19	0.20	0.00	0.43	0.44
		Back	0.16	0.19	0.23	0.24	0.04	0.58	0.63
LTE Band 38 (Ant3)	NR n78 (Ant5)	Front	0.18	0.23	0.19	0.20	0.00	0.60	0.61
		Back	0.23	0.37	0.23	0.24	0.04	0.83	0.88
LTE Band 38 (Ant3)	NR n78 (Ant7)	Front	0.18	0.11	0.19	0.20	0.00	0.48	0.48
		Back	0.23	0.68	0.23	0.24	0.04	1.14	1.18
LTE Band 38 (Ant3)	NR n78 (Ant2)	Front	0.18	0.38	0.19	0.20	0.00	0.75	0.76
		Back	0.23	0.31	0.23	0.24	0.04	0.77	0.81
LTE Band 38 (Ant3)	NR n78 (Ant3)	Front	0.18	0.13	0.19	0.20	0.00	0.50	0.50
		Back	0.23	0.19	0.23	0.24	0.04	0.65	0.70
LTE Band 41 (Ant3)	NR n41 (Ant1)	Front	0.18	0.45	0.19	0.20	0.00	0.81	0.82
		Back	0.26	0.48	0.23	0.24	0.04	0.97	1.02
LTE Band 41 (Ant3)	NR n41 (Ant4)	Front	0.18	0.35	0.19	0.20	0.00	0.72	0.73
		Back	0.26	0.65	0.23	0.24	0.04	1.14	1.19
LTE Band 41 (Ant3)	NR n78 (Ant5)	Front	0.18	0.23	0.19	0.20	0.00	0.60	0.61
		Back	0.26	0.37	0.23	0.24	0.04	0.86	0.91
LTE Band 41 (Ant3)	NR n78 (Ant7)	Front	0.18	0.11	0.19	0.20	0.00	0.48	0.48
		Back	0.26	0.68	0.23	0.24	0.04	1.17	1.21
LTE Band 41 (Ant3)	NR n78 (Ant2)	Front	0.18	0.38	0.19	0.20	0.00	0.75	0.76
		Back	0.26	0.31	0.23	0.24	0.04	0.80	0.84
LTE Band 41 (Ant3)	NR n78 (Ant3)	Front	0.18	0.13	0.19	0.20	0.00	0.50	0.50
		Back	0.26	0.19	0.23	0.24	0.04	0.68	0.73

< Body worn Exposure Condition >Inter UL CA

WWAN Band (LTE)	WWAN Band (LTE)	Exposure Position (10mm)	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			LTE	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE Band 2 (Ant1)	LTE Band 4 (Ant3)	Front	0.35	0.12	0.19	0.20	0.00	0.47	0.66	0.67
		Back	0.36	0.17	0.23	0.24	0.04	0.52	0.75	0.80
LTE Band 2 (Ant4)	LTE Band 4 (Ant3)	Front	0.36	0.12	0.19	0.20	0.00	0.48	0.67	0.68
		Back	0.60	0.17	0.23	0.24	0.04	0.77	1.00	1.04
LTE Band 4 (Ant4)	LTE Band 5 (Ant1)	Front	0.39	0.25	0.19	0.20	0.00	0.64	0.83	0.84
		Back	0.57	0.41	0.23	0.24	0.04	0.97	1.21	1.25
LTE Band 4 (Ant1)	LTE Band 5 (Ant4)	Front	0.31	0.22	0.19	0.20	0.00	0.53	0.72	0.73
		Back	0.41	0.30	0.23	0.24	0.04	0.70	0.94	0.98
LTE Band 4 (Ant1)	LTE Band 7 (Ant3)	Front	0.31	0.11	0.19	0.20	0.00	0.42	0.62	0.62
		Back	0.41	0.16	0.23	0.24	0.04	0.57	0.80	0.84
LTE Band 4 (Ant4)	LTE Band 7 (Ant3)	Front	0.31	0.11	0.19	0.20	0.00	0.42	0.62	0.62
		Back	0.41	0.16	0.23	0.24	0.04	0.57	0.80	0.84

< Hotspot Exposure Condition >

WWAN Band	Exposure Position (10mm)	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM850	Front	0.21	0.19	0.20	0.00	0.41	0.41
	Back	0.30	0.23	0.24	0.04	0.53	0.58
	Left side	0.14	0.05	0.11	0.00	0.19	0.25
	Right side	0.27	0.10	0.20	0.00	0.37	0.47
	Top side	0.17	0.28	0.33	0.06	0.44	0.55
	Bottom side	0.27	0.00	0.00	0.00	0.27	0.27
GSM1900	Front	0.42	0.19	0.20	0.00	0.62	0.62
	Back	0.43	0.23	0.24	0.04	0.66	0.71
	Left side	0.12	0.05	0.11	0.00	0.17	0.23
	Right side	0.07	0.10	0.20	0.00	0.17	0.27
	Top side	0.72	0.28	0.33	0.06	1.00	1.11
	Bottom side	1.09	0.00	0.00	0.00	1.09	1.09
WCDMA II	Front	0.52	0.19	0.20	0.00	0.71	0.72
	Back	0.88	0.23	0.24	0.04	1.11	1.16
	Left side	0.30	0.05	0.11	0.00	0.35	0.41
	Right side	0.10	0.10	0.20	0.00	0.21	0.31
	Top side	1.02	0.28	0.33	0.06	1.29	1.40
	Bottom side	0.82	0.00	0.00	0.00	0.82	0.82
WCDMA IV	Front	0.41	0.19	0.20	0.00	0.60	0.61
	Back	0.66	0.23	0.24	0.04	0.90	0.94
	Left side	0.21	0.05	0.11	0.00	0.25	0.32
	Right side	0.13	0.10	0.20	0.00	0.24	0.34
	Top side	0.74	0.28	0.33	0.06	1.02	1.13
	Bottom side	0.89	0.00	0.00	0.00	0.89	0.89
WCDMA V	Front	0.27	0.19	0.20	0.00	0.46	0.47
	Back	0.36	0.23	0.24	0.04	0.59	0.64
	Left side	0.13	0.05	0.11	0.00	0.18	0.24
	Right side	0.11	0.10	0.20	0.00	0.22	0.32
	Top side	0.24	0.28	0.33	0.06	0.52	0.63
	Bottom side	0.30	0.00	0.00	0.00	0.30	0.30
LTE Band 2	Front	0.37	0.19	0.20	0.00	0.56	0.57
	Back	0.60	0.23	0.24	0.04	0.83	0.88
	Left side	0.34	0.05	0.11	0.00	0.39	0.45
	Right side	0.16	0.10	0.20	0.00	0.27	0.37
	Top side	0.76	0.28	0.33	0.06	1.04	1.15
	Bottom side	0.75	0.00	0.00	0.00	0.75	0.75
LTE Band 7	Front	0.52	0.19	0.20	0.00	0.71	0.72
	Back	0.55	0.23	0.24	0.04	0.78	0.83
	Left side	0.31	0.05	0.11	0.00	0.35	0.42
	Right side	0.26	0.10	0.20	0.00	0.36	0.46
	Top side	0.71	0.28	0.33	0.06	0.99	1.10
	Bottom side	1.00	0.00	0.00	0.00	1.00	1.00
LTE Band 12/17	Front	0.25	0.19	0.20	0.00	0.45	0.46
	Back	0.30	0.23	0.24	0.04	0.53	0.58
	Left side	0.24	0.05	0.11	0.00	0.29	0.35
	Right side	0.45	0.10	0.20	0.00	0.56	0.66
	Top side	0.19	0.28	0.33	0.06	0.47	0.58
	Bottom side	0.23	0.00	0.00	0.00	0.23	0.23
LTE Band 13	Front	0.19	0.19	0.20	0.00	0.39	0.39
	Back	0.25	0.23	0.24	0.04	0.49	0.53
	Left side	0.22	0.05	0.11	0.00	0.26	0.33
	Right side	0.27	0.10	0.20	0.00	0.38	0.48
	Top side	0.14	0.28	0.33	0.06	0.42	0.53
	Bottom side	0.23	0.00	0.00	0.00	0.23	0.23

	Bottom side	0.26	0.00	0.00	0.00	0.26	0.26
LTE Band 26/5	Front	0.25	0.19	0.20	0.00	0.44	0.45
	Back	0.41	0.23	0.24	0.04	0.64	0.69
	Left side	0.19	0.05	0.11	0.00	0.24	0.31
	Right side	0.26	0.10	0.20	0.00	0.36	0.47
	Top side	0.25	0.28	0.33	0.06	0.52	0.63
	Bottom side	0.33	0.00	0.00	0.00	0.33	0.33
LTE Band 38	Front	0.44	0.19	0.20	0.00	0.63	0.64
	Back	0.57	0.23	0.24	0.04	0.81	0.85
	Left side	0.17	0.05	0.11	0.00	0.22	0.28
	Right side	0.20	0.10	0.20	0.00	0.30	0.40
	Top side	0.79	0.28	0.33	0.06	1.07	1.18
	Bottom side	0.71	0.00	0.00	0.00	0.71	0.71
LTE Band 41	Front	0.43	0.19	0.20	0.00	0.62	0.63
	Back	0.55	0.23	0.24	0.04	0.78	0.83
	Left side	0.48	0.05	0.11	0.00	0.53	0.60
	Right side	0.29	0.10	0.20	0.00	0.39	0.49
	Top side	0.70	0.28	0.33	0.06	0.97	1.08
	Bottom side	0.58	0.00	0.00	0.00	0.58	0.58
LTE Band 42	Front	0.41	0.19	0.20	0.00	0.60	0.61
	Back	0.56	0.23	0.24	0.04	0.79	0.84
	Left side	0.79	0.05	0.11	0.00	0.84	0.91
	Right side	0.58	0.10	0.20	0.00	0.69	0.79
	Top side	0.95	0.28	0.33	0.06	1.23	1.34
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 48	Front	0.35	0.19	0.20	0.00	0.55	0.55
	Back	0.76	0.23	0.24	0.04	0.99	1.04
	Left side	0.61	0.05	0.11	0.00	0.66	0.73
	Right side	0.46	0.10	0.20	0.00	0.56	0.66
	Top side	0.88	0.28	0.33	0.06	1.15	1.26
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66 / 4	Front	0.39	0.19	0.20	0.00	0.59	0.59
	Back	0.57	0.23	0.24	0.04	0.80	0.85
	Left side	0.22	0.05	0.11	0.00	0.27	0.33
	Right side	0.18	0.10	0.20	0.00	0.28	0.38
	Top side	0.56	0.28	0.33	0.06	0.84	0.95
	Bottom side	0.66	0.00	0.00	0.00	0.66	0.66
NR n2	Front	0.45	0.19	0.20	0.00	0.64	0.65
	Back	0.71	0.23	0.24	0.04	0.94	0.99
	Left side	0.41	0.05	0.11	0.00	0.46	0.52
	Right side	0.17	0.10	0.20	0.00	0.27	0.38
	Top side	0.94	0.28	0.33	0.06	1.21	1.32
	Bottom side	0.80	0.00	0.00	0.00	0.80	0.80
NR n7	Front	0.51	0.19	0.20	0.00	0.71	0.72
	Back	0.60	0.23	0.24	0.04	0.83	0.88
	Left side	0.28	0.05	0.11	0.00	0.32	0.39
	Right side	0.31	0.10	0.20	0.00	0.42	0.52
	Top side	0.84	0.28	0.33	0.06	1.11	1.22
	Bottom side	0.72	0.00	0.00	0.00	0.72	0.72
NR n12	Front	0.22	0.19	0.20	0.00	0.41	0.42
	Back	0.24	0.23	0.24	0.04	0.47	0.52
	Left side	0.23	0.05	0.11	0.00	0.28	0.35
	Right side	0.14	0.10	0.20	0.00	0.25	0.35
	Top side	0.20	0.28	0.33	0.06	0.48	0.59
	Bottom side	0.21	0.00	0.00	0.00	0.21	0.21
NR n26/5	Front	0.28	0.19	0.20	0.00	0.47	0.48
	Back	0.47	0.23	0.24	0.04	0.70	0.75
	Left side	0.19	0.05	0.11	0.00	0.23	0.30
	Right side	0.28	0.10	0.20	0.00	0.39	0.49

	Top side	0.26	0.28	0.33	0.06	0.54	0.65
	Bottom side	0.36	0.00	0.00	0.00	0.36	0.36
NR n38	Front	0.50	0.19	0.20	0.00	0.70	0.70
	Back	0.62	0.23	0.24	0.04	0.85	0.90
	Left side	0.21	0.05	0.11	0.00	0.25	0.32
	Right side	0.19	0.10	0.20	0.00	0.30	0.40
	Top side	0.90	0.28	0.33	0.06	1.17	1.29
	Bottom side	0.86	0.00	0.00	0.00	0.86	0.86
NR n41	Front	0.45	0.19	0.20	0.00	0.64	0.65
	Back	0.65	0.23	0.24	0.04	0.88	0.93
	Left side	0.57	0.05	0.11	0.00	0.62	0.68
	Right side	0.36	0.10	0.20	0.00	0.46	0.56
	Top side	0.99	0.28	0.33	0.06	1.27	1.38
	Bottom side	0.78	0.00	0.00	0.00	0.78	0.78
NR n48	Front	0.45	0.19	0.20	0.00	0.64	0.65
	Back	1.08	0.23	0.24	0.04	1.31	1.36
	Left side	0.74	0.05	0.11	0.00	0.79	0.85
	Right side	0.61	0.10	0.20	0.00	0.72	0.82
	Top side	0.74	0.28	0.33	0.06	1.02	1.13
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00
NR n66	Front	0.44	0.19	0.20	0.00	0.63	0.64
	Back	0.78	0.23	0.24	0.04	1.01	1.06
	Left side	0.27	0.05	0.11	0.00	0.32	0.39
	Right side	0.18	0.10	0.20	0.00	0.28	0.38
	Top side	0.87	0.28	0.33	0.06	1.15	1.26
	Bottom side	0.93	0.00	0.00	0.00	0.93	0.93
NR n77	Front	0.43	0.19	0.20	0.00	0.62	0.63
	Back	0.97	0.23	0.24	0.04	1.20	1.25
	Left side	0.77	0.05	0.11	0.00	0.82	0.88
	Right side	0.57	0.10	0.20	0.00	0.68	0.78
	Top side	0.85	0.28	0.33	0.06	1.12	1.23
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00
NR n78	Front	0.43	0.19	0.20	0.00	0.62	0.63
	Back	0.97	0.23	0.24	0.04	1.20	1.25
	Left side	0.77	0.05	0.11	0.00	0.82	0.88
	Right side	0.57	0.10	0.20	0.00	0.68	0.78
	Top side	0.85	0.28	0.33	0.06	1.12	1.23
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00

		Bottom side	0.00	0.72	0.00	0.00	0.00	0.72	0.72
LTE Band 66/4 (Ant3)	NR n7 (Ant4)	Front	0.12	0.31	0.19	0.20	0.00	0.62	0.63
		Back	0.17	0.60	0.23	0.24	0.04	1.00	1.04
		Left side	0.29	0.28	0.05	0.11	0.00	0.61	0.68
		Right side	0.00	0.13	0.10	0.20	0.00	0.23	0.34
		Top side	0.07	0.84	0.28	0.33	0.06	1.18	1.29
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66/4 (Ant3)	NR n38 (Ant1)	Front	0.12	0.50	0.19	0.20	0.00	0.81	0.82
		Back	0.17	0.52	0.23	0.24	0.04	0.91	0.96
		Left side	0.29	0.19	0.05	0.11	0.00	0.52	0.59
		Right side	0.00	0.19	0.10	0.20	0.00	0.30	0.40
		Top side	0.07	0.00	0.28	0.33	0.06	0.35	0.46
		Bottom side	0.00	0.86	0.00	0.00	0.00	0.86	0.86
LTE Band 66/4 (Ant3)	NR n38 (Ant4)	Front	0.12	0.35	0.19	0.20	0.00	0.66	0.67
		Back	0.17	0.62	0.23	0.24	0.04	1.02	1.06
		Left side	0.29	0.21	0.05	0.11	0.00	0.54	0.61
		Right side	0.00	0.16	0.10	0.20	0.00	0.26	0.37
		Top side	0.07	0.90	0.28	0.33	0.06	1.24	1.36
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66/4 (Ant3)	NR n41 (Ant1)	Front	0.12	0.45	0.19	0.20	0.00	0.75	0.76
		Back	0.17	0.48	0.23	0.24	0.04	0.88	0.92
		Left side	0.29	0.23	0.05	0.11	0.00	0.57	0.63
		Right side	0.00	0.28	0.10	0.20	0.00	0.38	0.48
		Top side	0.07	0.00	0.28	0.33	0.06	0.35	0.46
		Bottom side	0.00	0.78	0.00	0.00	0.00	0.78	0.78
LTE Band 66/4 (Ant3)	NR n41 (Ant4)	Front	0.12	0.35	0.19	0.20	0.00	0.66	0.67
		Back	0.17	0.65	0.23	0.24	0.04	1.05	1.10
		Left side	0.29	0.22	0.05	0.11	0.00	0.55	0.62
		Right side	0.00	0.15	0.10	0.20	0.00	0.25	0.35
		Top side	0.07	0.99	0.28	0.33	0.06	1.34	1.45
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66 (Ant3)	NR n66 (Ant1)	Front	0.12	0.37	0.19	0.20	0.00	0.68	0.68
		Back	0.17	0.51	0.23	0.24	0.04	0.91	0.96
		Left side	0.29	0.00	0.05	0.11	0.00	0.34	0.40
		Right side	0.00	0.18	0.10	0.20	0.00	0.28	0.38
		Top side	0.07	0.00	0.28	0.33	0.06	0.35	0.46
		Bottom side	0.00	0.93	0.00	0.00	0.00	0.93	0.93
LTE Band 66 (Ant3)	NR n66 (Ant4)	Front	0.12	0.25	0.19	0.20	0.00	0.56	0.56
		Back	0.17	0.38	0.23	0.24	0.04	0.77	0.82
		Left side	0.29	0.27	0.05	0.11	0.00	0.61	0.68
		Right side	0.00	0.16	0.10	0.20	0.00	0.26	0.36
		Top side	0.07	0.41	0.28	0.33	0.06	0.76	0.87
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66/4 (Ant3)	NR n78 (Ant5)	Front	0.12	0.23	0.19	0.20	0.00	0.54	0.55
		Back	0.17	0.37	0.23	0.24	0.04	0.77	0.82
		Left side	0.29	0.57	0.05	0.11	0.00	0.91	0.97
		Right side	0.00	0.33	0.10	0.20	0.00	0.44	0.54
		Top side	0.07	0.50	0.28	0.33	0.06	0.84	0.95
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66/4 (Ant3)	NR n78 (Ant7)	Front	0.12	0.11	0.19	0.20	0.00	0.42	0.42
		Back	0.17	0.68	0.23	0.24	0.04	1.07	1.12
		Left side	0.29	0.00	0.05	0.11	0.00	0.34	0.40
		Right side	0.00	0.57	0.10	0.20	0.00	0.68	0.78
		Top side	0.07	0.15	0.28	0.33	0.06	0.50	0.61
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66/4 (Ant3)	NR n78 (Ant2)	Front	0.12	0.38	0.19	0.20	0.00	0.69	0.70
		Back	0.17	0.31	0.23	0.24	0.04	0.70	0.75
		Left side	0.29	0.40	0.05	0.11	0.00	0.74	0.80
		Right side	0.00	0.00	0.10	0.20	0.00	0.10	0.20
		Top side	0.07	0.27	0.28	0.33	0.06	0.62	0.73
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66/4 (Ant3)	NR n78 (Ant3)	Front	0.12	0.13	0.19	0.20	0.00	0.44	0.45
		Back	0.17	0.19	0.23	0.24	0.04	0.59	0.64
		Left side	0.29	0.44	0.05	0.11	0.00	0.78	0.84
		Right side	0.00	0.00	0.10	0.20	0.00	0.10	0.20
		Top side	0.07	0.10	0.28	0.33	0.06	0.44	0.55
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 5	NR n7	Front	0.25	0.31	0.19	0.20	0.00	0.75	0.76
		Back	0.41	0.60	0.23	0.24	0.04	1.24	1.29
		Left side	0.11	0.28	0.05	0.11	0.00	0.43	0.50

(Ant1)	(Ant4)	Right side	0.26	0.13	0.10	0.20	0.00	0.50	0.60
		Top side	0.00	0.84	0.28	0.33	0.06	1.11	1.22
		Bottom side	0.33	0.00	0.00	0.00	0.00	0.33	0.33
LTE Band 5 (Ant4)	NR n7 (Ant1)	Front	0.22	0.51	0.19	0.20	0.00	0.93	0.93
		Back	0.30	0.47	0.23	0.24	0.04	1.00	1.04
		Left side	0.19	0.26	0.05	0.11	0.00	0.51	0.57
		Right side	0.12	0.31	0.10	0.20	0.00	0.54	0.64
		Top side	0.25	0.00	0.28	0.33	0.06	0.52	0.63
		Bottom side	0.00	0.72	0.00	0.00	0.00	0.72	0.72
LTE Band 5 (Ant1)	NR n66 (Ant4)	Front	0.25	0.25	0.19	0.20	0.00	0.69	0.69
		Back	0.41	0.38	0.23	0.24	0.04	1.02	1.06
		Left side	0.11	0.27	0.05	0.11	0.00	0.43	0.50
		Right side	0.26	0.16	0.10	0.20	0.00	0.52	0.62
		Top side	0.00	0.41	0.28	0.33	0.06	0.68	0.80
		Bottom side	0.33	0.00	0.00	0.00	0.00	0.33	0.33
LTE Band 5 (Ant4)	NR n66 (Ant1)	Front	0.22	0.37	0.19	0.20	0.00	0.78	0.79
		Back	0.30	0.51	0.23	0.24	0.04	1.04	1.09
		Left side	0.19	0.00	0.05	0.11	0.00	0.24	0.31
		Right side	0.12	0.18	0.10	0.20	0.00	0.41	0.51
		Top side	0.25	0.00	0.28	0.33	0.06	0.52	0.63
		Bottom side	0.00	0.93	0.00	0.00	0.00	0.93	0.93
LTE Band 5/26 (Ant1)	NR n78 (Ant5)	Front	0.25	0.23	0.19	0.20	0.00	0.67	0.68
		Back	0.41	0.37	0.23	0.24	0.04	1.01	1.06
		Left side	0.11	0.57	0.05	0.11	0.00	0.72	0.79
		Right side	0.26	0.33	0.10	0.20	0.00	0.70	0.80
		Top side	0.00	0.50	0.28	0.33	0.06	0.77	0.88
		Bottom side	0.33	0.00	0.00	0.00	0.00	0.33	0.33
LTE Band 5/26 (Ant1)	NR n78 (Ant7)	Front	0.25	0.11	0.19	0.20	0.00	0.55	0.56
		Back	0.41	0.68	0.23	0.24	0.04	1.32	1.36
		Left side	0.11	0.00	0.05	0.11	0.00	0.16	0.22
		Right side	0.26	0.57	0.10	0.20	0.00	0.94	1.04
		Top side	0.00	0.15	0.28	0.33	0.06	0.43	0.54
		Bottom side	0.33	0.00	0.00	0.00	0.00	0.33	0.33
LTE Band 5/26 (Ant1)	NR n78 (Ant2)	Front	0.25	0.38	0.19	0.20	0.00	0.82	0.83
		Back	0.41	0.31	0.23	0.24	0.04	0.95	0.99
		Left side	0.11	0.40	0.05	0.11	0.00	0.56	0.62
		Right side	0.26	0.00	0.10	0.20	0.00	0.36	0.47
		Top side	0.00	0.27	0.28	0.33	0.06	0.55	0.66
		Bottom side	0.33	0.00	0.00	0.00	0.00	0.33	0.33
LTE Band 5/26 (Ant1)	NR n78 (Ant3)	Front	0.25	0.13	0.19	0.20	0.00	0.57	0.58
		Back	0.41	0.19	0.23	0.24	0.04	0.83	0.88
		Left side	0.11	0.44	0.05	0.11	0.00	0.60	0.66
		Right side	0.26	0.00	0.10	0.20	0.00	0.36	0.47
		Top side	0.00	0.10	0.28	0.33	0.06	0.37	0.48
		Bottom side	0.33	0.00	0.00	0.00	0.00	0.33	0.33
LTE Band 5/26 (Ant4)	NR n78 (Ant5)	Front	0.22	0.23	0.19	0.20	0.00	0.64	0.65
		Back	0.30	0.37	0.23	0.24	0.04	0.90	0.95
		Left side	0.19	0.57	0.05	0.11	0.00	0.81	0.87
		Right side	0.12	0.33	0.10	0.20	0.00	0.56	0.66
		Top side	0.25	0.50	0.28	0.33	0.06	1.02	1.13
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 5/26 (Ant4)	NR n78 (Ant7)	Front	0.22	0.11	0.19	0.20	0.00	0.52	0.53
		Back	0.30	0.68	0.23	0.24	0.04	1.21	1.26
		Left side	0.19	0.00	0.05	0.11	0.00	0.24	0.31
		Right side	0.12	0.57	0.10	0.20	0.00	0.80	0.90
		Top side	0.25	0.15	0.28	0.33	0.06	0.68	0.79
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 5/26 (Ant4)	NR n78 (Ant2)	Front	0.22	0.38	0.19	0.20	0.00	0.79	0.80
		Back	0.30	0.31	0.23	0.24	0.04	0.84	0.89
		Left side	0.19	0.40	0.05	0.11	0.00	0.64	0.71
		Right side	0.12	0.00	0.10	0.20	0.00	0.23	0.33
		Top side	0.25	0.27	0.28	0.33	0.06	0.79	0.90
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 5/26 (Ant4)	NR n78 (Ant3)	Front	0.22	0.13	0.19	0.20	0.00	0.54	0.55
		Back	0.30	0.19	0.23	0.24	0.04	0.72	0.77
		Left side	0.19	0.44	0.05	0.11	0.00	0.68	0.75
		Right side	0.12	0.00	0.10	0.20	0.00	0.23	0.33
		Top side	0.25	0.10	0.28	0.33	0.06	0.62	0.73
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Front	0.31	0.28	0.19	0.20	0.00	0.78	0.79

LTE Band 7 (Ant4)	NR n5 (Ant1)	Back	0.55	0.47	0.23	0.24	0.04	1.25	1.30
		Left side	0.31	0.12	0.05	0.11	0.00	0.47	0.54
		Right side	0.13	0.28	0.10	0.20	0.00	0.52	0.62
		Top side	0.71	0.00	0.28	0.33	0.06	0.99	1.10
		Bottom side	0.00	0.36	0.00	0.00	0.00	0.36	0.36
LTE Band 7 (Ant1)	NR n5 (Ant4)	Front	0.58	0.23	0.19	0.20	0.00	1.00	1.01
		Back	0.54	0.29	0.23	0.24	0.04	1.06	1.11
		Left side	0.22	0.19	0.05	0.11	0.00	0.46	0.52
		Right side	0.26	0.13	0.10	0.20	0.00	0.49	0.59
		Top side	0.00	0.26	0.28	0.33	0.06	0.54	0.65
LTE Band 7 (Ant3)	NR n7 (Ant1)	Front	0.11	0.51	0.19	0.20	0.00	0.82	0.82
		Back	0.16	0.47	0.23	0.24	0.04	0.86	0.90
		Left side	0.29	0.26	0.05	0.11	0.00	0.60	0.66
		Right side	0.00	0.31	0.10	0.20	0.00	0.42	0.52
		Top side	0.06	0.00	0.28	0.33	0.06	0.34	0.45
LTE Band 7 (Ant3)	NR n7 (Ant4)	Bottom side	0.00	0.72	0.00	0.00	0.00	0.72	0.72
		Front	0.11	0.31	0.19	0.20	0.00	0.61	0.62
		Back	0.16	0.60	0.23	0.24	0.04	0.99	1.04
		Left side	0.29	0.28	0.05	0.11	0.00	0.61	0.67
		Right side	0.00	0.13	0.10	0.20	0.00	0.23	0.34
LTE Band 7 (Ant3)	NR n66 (Ant1)	Top side	0.06	0.84	0.28	0.33	0.06	1.17	1.28
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Front	0.11	0.37	0.19	0.20	0.00	0.67	0.68
		Back	0.16	0.51	0.23	0.24	0.04	0.91	0.95
		Left side	0.29	0.00	0.05	0.11	0.00	0.33	0.40
LTE Band 7 (Ant3)	NR n66 (Ant4)	Right side	0.00	0.18	0.10	0.20	0.00	0.28	0.38
		Top side	0.06	0.00	0.28	0.33	0.06	0.34	0.45
		Bottom side	0.00	0.93	0.00	0.00	0.00	0.93	0.93
		Front	0.11	0.25	0.19	0.20	0.00	0.55	0.56
		Back	0.16	0.38	0.23	0.24	0.04	0.77	0.82
LTE Band 7 (Ant3)	NR n78 (Ant5)	Left side	0.29	0.27	0.05	0.11	0.00	0.61	0.67
		Right side	0.00	0.16	0.10	0.20	0.00	0.26	0.36
		Top side	0.06	0.41	0.28	0.33	0.06	0.75	0.86
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Front	0.11	0.23	0.19	0.20	0.00	0.53	0.54
LTE Band 7 (Ant3)	NR n78 (Ant7)	Back	0.16	0.37	0.23	0.24	0.04	0.77	0.81
		Left side	0.29	0.42	0.05	0.11	0.00	0.75	0.82
		Right side	0.00	0.33	0.10	0.20	0.00	0.44	0.54
		Top side	0.06	0.50	0.28	0.33	0.06	0.83	0.94
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 7 (Ant3)	NR n78 (Ant2)	Front	0.11	0.11	0.19	0.20	0.00	0.41	0.42
		Back	0.16	0.68	0.23	0.24	0.04	1.07	1.12
		Left side	0.29	0.00	0.05	0.11	0.00	0.33	0.40
		Right side	0.00	0.57	0.10	0.20	0.00	0.68	0.78
		Top side	0.06	0.15	0.28	0.33	0.06	0.49	0.60
LTE Band 7 (Ant3)	NR n78 (Ant3)	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Front	0.11	0.38	0.19	0.20	0.00	0.66	0.69
		Back	0.16	0.31	0.23	0.24	0.04	0.70	0.75
		Left side	0.29	0.40	0.05	0.11	0.00	0.73	0.80
		Right side	0.00	0.00	0.10	0.20	0.00	0.10	0.20
LTE Band 7 (Ant3)	NR n78 (Ant5)	Top side	0.06	0.27	0.28	0.33	0.06	0.61	0.72
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Front	0.11	0.13	0.19	0.20	0.00	0.43	0.44
		Back	0.16	0.19	0.23	0.24	0.04	0.58	0.63
		Left side	0.29	0.44	0.05	0.11	0.00	0.78	0.84
LTE Band 38 (Ant3)	NR n78 (Ant7)	Right side	0.00	0.00	0.10	0.20	0.00	0.10	0.20
		Top side	0.06	0.10	0.28	0.33	0.06	0.44	0.55
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Front	0.18	0.23	0.19	0.20	0.00	0.60	0.61
		Back	0.23	0.37	0.23	0.24	0.04	0.83	0.88
LTE Band 38 (Ant3)	NR n78 (Ant7)	Left side	0.43	0.57	0.05	0.11	0.00	1.04	1.11
		Right side	0.00	0.33	0.10	0.20	0.00	0.44	0.54
		Top side	0.07	0.50	0.28	0.33	0.06	0.85	0.96
		Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Front	0.18	0.11	0.19	0.20	0.00	0.48	0.48
LTE Band 38 (Ant3)	NR n78 (Ant7)	Back	0.23	0.68	0.23	0.24	0.04	1.14	1.18
		Left side	0.43	0.00	0.05	0.11	0.00	0.47	0.54
		Right side	0.00	0.57	0.10	0.20	0.00	0.68	0.78
		Top side	0.07	0.15	0.28	0.33	0.06	0.50	0.61

<Extremity Exposure Condition >

WWAN Band	Exposure Position (0mm)	1	2	3	4	1+2 Summed 10g SAR (W/kg)	1+3+4 Summed 10g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
GSM1900	Front	0.00		0.74		0.00	0.74
	Back	0.00		0.30		0.00	0.30
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	0.00		0.84		0.00	0.84
	Bottom side	1.96		0.00		1.96	1.96
WCDMA II	Front	1.63		0.74		1.63	2.38
	Back	1.56		0.30		1.56	1.86
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.44		0.84		2.44	3.29
	Bottom side	0.00		0.00		0.00	0.00
WCDMA IV	Front	1.37		0.74		1.37	2.11
	Back	1.58		0.30		1.58	1.87
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	0.00		0.84		0.00	0.84
	Bottom side	1.89		0.00		1.89	1.89
LTE Band 2	Front	1.30		0.74		1.30	2.04
	Back	1.09		0.30		1.09	1.39
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	1.80		0.84		1.80	2.64
	Bottom side	1.28		0.00		1.28	1.28
LTE Band 7	Front	0.00		0.74		0.00	0.74
	Back	1.10		0.30		1.10	1.39
	Left side	1.37		0.11		1.37	1.47
	Right side	0.00		0.32		0.00	0.32
	Top side	2.47		0.84		2.47	3.31
	Bottom side	2.23		0.00		2.23	2.23
LTE Band 38	Front	0.00		0.74		0.00	0.74
	Back	0.00		0.30		0.00	0.30
	Left side	1.79		0.11		1.79	1.89
	Right side	0.00		0.32		0.00	0.32
	Top side	1.39		0.84		1.39	2.23
	Bottom side	0.00		0.00		0.00	0.00
LTE Band 41	Front	0.00		0.74		0.00	0.74
	Back	0.98		0.30		0.98	1.27
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.02		0.84		2.02	2.86
	Bottom side	0.00		0.00		0.00	0.00
LTE Band 42	Front	0.00		0.74		0.00	0.74
	Back	0.00		0.30		0.00	0.30
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.55		0.84		2.55	3.39
	Bottom side	0.00		0.00		0.00	0.00
LTE Band 48	Front	0.00		0.74		0.00	0.74
	Back	0.00		0.30		0.00	0.30
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	1.94		0.84		1.94	2.78
	Bottom side	0.00		0.00		0.00	0.00

	Bottom side	0.00		0.00		0.00	0.00
LTE Band 66/4	Front	1.06		0.74		1.06	1.80
	Back	1.33		0.30		1.33	1.63
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.26		0.84		2.26	3.10
	Bottom side	1.81		0.00		1.81	1.81
NR n2	Front	1.56		0.74		1.56	2.30
	Back	1.42		0.30		1.42	1.71
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.25		0.84		2.25	3.09
	Bottom side	1.21		0.00		1.21	1.21
NR n7	Front	0.00		0.74		0.00	0.74
	Back	0.83		0.30		0.83	1.13
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.30		0.84		2.30	3.14
	Bottom side	0.00		0.00		0.00	0.00
NR n38	Front	0.00		0.74		0.00	0.74
	Back	1.13		0.30		1.13	1.42
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.33		0.84		2.33	3.17
	Bottom side	2.25		0.00		2.25	2.25
NR n41	Front	0.00		0.74		0.00	0.74
	Back	1.10		0.30		1.10	1.39
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.59		0.84		2.58	3.43
	Bottom side	1.77		0.00		1.77	1.77
NR n48	Front	0.00		0.74		0.00	0.74
	Back	0.87		0.30		0.87	1.16
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.34		0.84		2.34	3.18
	Bottom side	0.00		0.00		0.00	0.00
NR n66	Front	1.65		0.74		1.65	2.39
	Back	1.52		0.30		1.52	1.81
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.56		0.84		2.56	3.40
	Bottom side	2.43		0.00		2.43	2.43
NR n77	Front	1.45		0.74		1.45	2.19
	Back	0.95		0.30		0.95	1.25
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.45		0.84		2.45	3.29
	Bottom side	0.00		0.00		0.00	0.00
NR n78	Front	1.45		0.74		1.45	2.19
	Back	0.95		0.30		0.95	1.25
	Left side	0.00		0.11		0.00	0.11
	Right side	0.00		0.32		0.00	0.32
	Top side	2.45		0.84		2.45	3.29
	Bottom side	0.00		0.00		0.00	0.00