

Appendix F – Conducted Power for LTE & NR Lower Bandwidth

LTE Band 2								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
18700	18900	19100	Channel							
1860	1880	1900	Freq. (MHz)							
15.81	15.89	15.85	15.9	QPSK	20MHz	1	0	0	0	
15.77	15.79	15.67	15.9	QPSK	20MHz	1	49	0	0	
15.74	15.73	15.61	15.9	QPSK	20MHz	1	99	0	0	
14.88	14.89	14.77	14.9	QPSK	20MHz	50	0	0-1	1	
14.80	14.82	14.70	14.9	QPSK	20MHz	50	25	0-1	1	
14.79	14.81	14.69	14.9	QPSK	20MHz	50	50	0-1	1	
14.87	14.89	14.77	14.9	QPSK	20MHz	100	0	0-1	1	
14.85	14.84	14.80	14.9	16QAM	20MHz	1	0	0-1	1	
14.82	14.82	14.79	14.9	16QAM	20MHz	1	49	0-1	1	
14.83	14.85	14.73	14.9	16QAM	20MHz	1	99	0-1	1	
13.83	13.85	13.73	13.9	16QAM	20MHz	50	0	0-2	2	
13.80	13.82	13.70	13.9	16QAM	20MHz	50	25	0-2	2	
13.78	13.80	13.68	13.9	16QAM	20MHz	50	50	0-2	2	
13.88	13.90	13.78	13.9	16QAM	20MHz	100	0	0-2	2	
13.61	13.64	13.57	13.9	64QAM	20MHz	1	0	0-2	2	
13.62	13.61	13.53	13.9	64QAM	20MHz	1	49	0-2	2	
13.55	13.57	13.45	13.9	64QAM	20MHz	1	99	0-2	2	
12.63	12.65	12.53	12.9	64QAM	20MHz	50	0	0-3	3	
12.62	12.64	12.52	12.9	64QAM	20MHz	50	25	0-3	3	
12.55	12.57	12.45	12.9	64QAM	20MHz	50	50	0-3	3	
12.66	12.68	12.56	12.9	64QAM	20MHz	100	0	0-3	3	
10.75	10.77	10.65	10.9	256QAM	20MHz	1	0	0-5	5	
10.73	10.75	10.63	10.9	256QAM	20MHz	1	49	0-5	5	
10.60	10.62	10.50	10.9	256QAM	20MHz	1	99	0-5	5	
10.60	10.62	10.50	10.9	256QAM	20MHz	50	0	0-5	5	
10.59	10.61	10.49	10.9	256QAM	20MHz	50	25	0-5	5	
10.50	10.52	10.40	10.9	256QAM	20MHz	50	50	0-5	5	
10.66	10.68	10.56	10.9	256QAM	20MHz	100	0	0-5	5	

LTE Band 2								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
18675	18900	19125	Channel						
1857.5	1880	1902.5	Freq. (MHz)						
15.78	15.88	15.78	15.9	QPSK	15MHz	1	0	0	0
15.67	15.70	15.58	15.9	QPSK	15MHz	1	37	0	0
15.65	15.73	15.58	15.9	QPSK	15MHz	1	74	0	0
14.79	14.83	14.69	14.9	QPSK	15MHz	36	0	0-1	1
14.76	14.73	14.66	14.9	QPSK	15MHz	36	19	0-1	1
14.69	14.80	14.69	14.9	QPSK	15MHz	36	39	0-1	1
14.86	14.83	14.70	14.9	QPSK	15MHz	75	0	0-1	1
14.83	14.74	14.74	14.9	16QAM	15MHz	1	0	0-1	1
14.74	14.74	14.79	14.9	16QAM	15MHz	1	37	0-1	1
14.82	14.81	14.71	14.9	16QAM	15MHz	1	74	0-1	1
13.76	13.81	13.71	13.9	16QAM	15MHz	36	0	0-2	2
13.78	13.77	13.60	13.9	16QAM	15MHz	36	19	0-2	2
13.72	13.77	13.59	13.9	16QAM	15MHz	36	39	0-2	2
13.79	13.80	13.68	13.9	16QAM	15MHz	75	0	0-2	2
13.53	13.54	13.48	13.9	64QAM	15MHz	1	0	0-2	2
13.56	13.56	13.44	13.9	64QAM	15MHz	1	37	0-2	2
13.45	13.52	13.37	13.9	64QAM	15MHz	1	74	0-2	2
12.63	12.60	12.50	12.9	64QAM	15MHz	36	0	0-3	3
12.52	12.57	12.42	12.9	64QAM	15MHz	36	19	0-3	3
12.45	12.54	12.35	12.9	64QAM	15MHz	36	39	0-3	3
12.58	12.61	12.51	12.9	64QAM	15MHz	75	0	0-3	3
10.66	10.73	10.60	10.9	256QAM	15MHz	1	0	0-5	5
10.66	10.75	10.61	10.9	256QAM	15MHz	1	37	0-5	5
10.59	10.56	10.42	10.9	256QAM	15MHz	1	74	0-5	5
10.59	10.57	10.50	10.9	256QAM	15MHz	36	0	0-5	5
10.53	10.51	10.48	10.9	256QAM	15MHz	36	19	0-5	5
10.50	10.43	10.33	10.9	256QAM	15MHz	36	39	0-5	5
10.65	10.60	10.55	10.9	256QAM	15MHz	75	0	0-5	5

LTE Band 2								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
18650	18900	19150	Channel							
1855	1880	1905	Freq. (MHz)							
15.71	15.83	15.85	15.9	QPSK	10MHz	1	0	0	0	
15.74	15.70	15.58	15.9	QPSK	10MHz	1	24	0	0	
15.69	15.68	15.58	15.9	QPSK	10MHz	1	49	0	0	
14.81	14.89	14.71	14.9	QPSK	10MHz	25	0	0-1	1	
14.70	14.76	14.65	14.9	QPSK	10MHz	25	12	0-1	1	
14.71	14.77	14.68	14.9	QPSK	10MHz	25	25	0-1	1	
14.85	14.83	14.69	14.9	QPSK	10MHz	50	0	0-1	1	
14.78	14.84	14.79	14.9	16QAM	10MHz	1	0	0-1	1	
14.72	14.82	14.70	14.9	16QAM	10MHz	1	24	0-1	1	
14.74	14.75	14.66	14.9	16QAM	10MHz	1	49	0-1	1	
13.81	13.77	13.73	13.9	16QAM	10MHz	25	0	0-2	2	
13.72	13.73	13.64	13.9	16QAM	10MHz	25	12	0-2	2	
13.69	13.77	13.61	13.9	16QAM	10MHz	25	25	0-2	2	
13.83	13.87	13.71	13.9	16QAM	10MHz	50	0	0-2	2	
13.60	13.64	13.55	13.9	64QAM	10MHz	1	0	0-2	2	
13.53	13.52	13.45	13.9	64QAM	10MHz	1	24	0-2	2	
13.52	13.48	13.35	13.9	64QAM	10MHz	1	49	0-2	2	
12.58	12.65	12.46	12.9	64QAM	10MHz	25	0	0-3	3	
12.60	12.59	12.51	12.9	64QAM	10MHz	25	12	0-3	3	
12.49	12.54	12.36	12.9	64QAM	10MHz	25	25	0-3	3	
12.64	12.58	12.51	12.9	64QAM	10MHz	50	0	0-3	3	
10.65	10.76	10.59	10.9	256QAM	10MHz	1	0	0-5	5	
10.64	10.68	10.55	10.9	256QAM	10MHz	1	24	0-5	5	
10.54	10.56	10.40	10.9	256QAM	10MHz	1	49	0-5	5	
10.55	10.62	10.46	10.9	256QAM	10MHz	25	0	0-5	5	
10.56	10.57	10.47	10.9	256QAM	10MHz	25	12	0-5	5	
10.42	10.46	10.38	10.9	256QAM	10MHz	25	25	0-5	5	
10.60	10.65	10.52	10.9	256QAM	10MHz	50	0	0-5	5	

LTE Band 2								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
18625	18900	19175	Channel						
1852.5	1880	1907.5	Freq. (MHz)						
15.71	15.83	15.84	15.9	QPSK	5MHz	1	0	0	0
15.71	15.70	15.66	15.9	QPSK	5MHz	1	12	0	0
15.65	15.70	15.56	15.9	QPSK	5MHz	1	24	0	0
14.88	14.85	14.72	14.9	QPSK	5MHz	12	0	0-1	1
14.74	14.75	14.64	14.9	QPSK	5MHz	12	6	0-1	1
14.77	14.71	14.69	14.9	QPSK	5MHz	12	13	0-1	1
14.78	14.79	14.75	14.9	QPSK	5MHz	25	0	0-1	1
14.79	14.75	14.72	14.9	16QAM	5MHz	1	0	0-1	1
14.77	14.81	14.70	14.9	16QAM	5MHz	1	12	0-1	1
14.78	14.78	14.66	14.9	16QAM	5MHz	1	24	0-1	1
13.75	13.80	13.69	13.9	16QAM	5MHz	12	0	0-2	2
13.76	13.80	13.69	13.9	16QAM	5MHz	12	6	0-2	2
13.73	13.80	13.60	13.9	16QAM	5MHz	12	13	0-2	2
13.83	13.89	13.77	13.9	16QAM	5MHz	25	0	0-2	2
13.56	13.62	13.57	13.9	64QAM	5MHz	1	0	0-2	2
13.55	13.56	13.53	13.9	64QAM	5MHz	1	12	0-2	2
13.45	13.50	13.39	13.9	64QAM	5MHz	1	24	0-2	2
12.63	12.62	12.49	12.9	64QAM	5MHz	12	0	0-3	3
12.61	12.62	12.46	12.9	64QAM	5MHz	12	6	0-3	3
12.45	12.57	12.41	12.9	64QAM	5MHz	12	13	0-3	3
12.57	12.61	12.47	12.9	64QAM	5MHz	25	0	0-3	3
10.65	10.75	10.56	10.9	256QAM	5MHz	1	0	0-5	5
10.71	10.72	10.58	10.9	256QAM	5MHz	1	12	0-5	5
10.54	10.57	10.50	10.9	256QAM	5MHz	1	24	0-5	5
10.57	10.61	10.49	10.9	256QAM	5MHz	12	0	0-5	5
10.58	10.59	10.40	10.9	256QAM	5MHz	12	6	0-5	5
10.40	10.49	10.40	10.9	256QAM	5MHz	12	13	0-5	5
10.59	10.63	10.56	10.9	256QAM	5MHz	25	0	0-5	5

LTE Band 2								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
18615	18900	19185	Channel						
1851.5	1880	1908.5	Freq. (MHz)						
15.76	15.86	15.85	15.9	QPSK	3MHz	1	0	0	0
15.69	15.76	15.64	15.9	QPSK	3MHz	1	7	0	0
15.70	15.66	15.55	15.9	QPSK	3MHz	1	14	0	0
14.83	14.85	14.75	14.9	QPSK	3MHz	8	0	0-1	1
14.77	14.81	14.68	14.9	QPSK	3MHz	8	3	0-1	1
14.74	14.78	14.67	14.9	QPSK	3MHz	8	7	0-1	1
14.77	14.87	14.72	14.9	QPSK	3MHz	15	0	0-1	1
14.79	14.77	14.70	14.9	16QAM	3MHz	1	0	0-1	1
14.76	14.75	14.78	14.9	16QAM	3MHz	1	7	0-1	1
14.74	14.76	14.64	14.9	16QAM	3MHz	1	14	0-1	1
13.80	13.82	13.64	13.9	16QAM	3MHz	8	0	0-2	2
13.78	13.76	13.69	13.9	16QAM	3MHz	8	3	0-2	2
13.77	13.75	13.64	13.9	16QAM	3MHz	8	7	0-2	2
13.79	13.84	13.70	13.9	16QAM	3MHz	15	0	0-2	2
13.52	13.54	13.47	13.9	64QAM	3MHz	1	0	0-2	2
13.58	13.56	13.43	13.9	64QAM	3MHz	1	7	0-2	2
13.49	13.51	13.43	13.9	64QAM	3MHz	1	14	0-2	2
12.57	12.61	12.53	12.9	64QAM	3MHz	8	0	0-3	3
12.58	12.62	12.49	12.9	64QAM	3MHz	8	3	0-3	3
12.45	12.47	12.35	12.9	64QAM	3MHz	8	7	0-3	3
12.61	12.65	12.50	12.9	64QAM	3MHz	15	0	0-3	3
10.73	10.77	10.60	10.9	256QAM	3MHz	1	0	0-5	5
10.65	10.72	10.60	10.9	256QAM	3MHz	1	7	0-5	5
10.59	10.56	10.43	10.9	256QAM	3MHz	1	14	0-5	5
10.53	10.57	10.42	10.9	256QAM	3MHz	8	0	0-5	5
10.49	10.55	10.41	10.9	256QAM	3MHz	8	3	0-5	5
10.48	10.42	10.37	10.9	256QAM	3MHz	8	7	0-5	5
10.56	10.65	10.49	10.9	256QAM	3MHz	15	0	0-5	5

LTE Band 2								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
18607	18900	19193	Channel						
1850.7	1880	1909.3	Freq. (MHz)						
15.76	15.84	15.85	15.9	QPSK	1.4MHz	1	0	0	0
15.69	15.69	15.58	15.9	QPSK	1.4MHz	1	2	0	0
15.71	15.65	15.56	15.9	QPSK	1.4MHz	1	5	0	0
14.80	14.80	14.70	15.9	QPSK	1.4MHz	3	0	0	0
14.76	14.76	14.67	15.9	QPSK	1.4MHz	3	1	0	0
14.72	14.74	14.62	15.9	QPSK	1.4MHz	3	3	0	0
14.83	14.88	14.71	14.9	QPSK	1.4MHz	6	0	0-1	1
14.77	14.84	14.78	14.9	16QAM	1.4MHz	1	0	0-1	1
14.81	14.75	14.76	14.9	16QAM	1.4MHz	1	2	0-1	1
14.74	14.75	14.67	14.9	16QAM	1.4MHz	1	5	0-1	1
13.73	13.84	13.70	14.9	16QAM	1.4MHz	3	0	0-1	1
13.79	13.78	13.63	14.9	16QAM	1.4MHz	3	1	0-1	1
13.76	13.77	13.68	14.9	16QAM	1.4MHz	3	3	0-1	1
13.80	13.89	13.70	13.9	16QAM	1.4MHz	6	0	0-2	2
13.60	13.54	13.48	13.9	64QAM	1.4MHz	1	0	0-2	2
13.54	13.61	13.46	13.9	64QAM	1.4MHz	1	2	0-2	2
13.49	13.55	13.40	13.9	64QAM	1.4MHz	1	5	0-2	2
12.61	12.55	12.49	13.9	64QAM	1.4MHz	3	0	0-2	2
12.54	12.64	12.45	13.9	64QAM	1.4MHz	3	1	0-2	2
12.46	12.52	12.40	13.9	64QAM	1.4MHz	3	3	0-2	2
12.65	12.63	12.56	12.9	64QAM	1.4MHz	6	0	0-3	3
10.71	10.72	10.56	10.9	256QAM	1.4MHz	1	0	0-5	5
10.66	10.66	10.62	10.9	256QAM	1.4MHz	1	2	0-5	5
10.60	10.59	10.42	10.9	256QAM	1.4MHz	1	5	0-5	5
10.56	10.54	10.44	10.9	256QAM	1.4MHz	3	0	0-5	5
10.56	10.59	10.49	10.9	256QAM	1.4MHz	3	1	0-5	5
10.48	10.48	10.35	10.9	256QAM	1.4MHz	3	3	0-5	5
10.60	10.61	10.50	10.9	256QAM	1.4MHz	6	0	0-5	5

LTE Band 4								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
20050	20175	20300	Channel						
1720	1732.5	1745	Freq. (MHz)						
16.38	16.39	16.33	16.4	QPSK	20MHz	1	0	0	0
16.33	16.36	16.21	16.4	QPSK	20MHz	1	49	0	0
16.32	16.34	16.14	16.4	QPSK	20MHz	1	99	0	0
15.07	15.23	15.19	15.4	QPSK	20MHz	50	0	0-1	1
14.94	15.13	15.15	15.4	QPSK	20MHz	50	25	0-1	1
14.94	15.24	15.16	15.4	QPSK	20MHz	50	50	0-1	1
14.85	15.18	15.15	15.4	QPSK	20MHz	100	0	0-1	1
14.78	15.10	14.96	15.4	16QAM	20MHz	1	0	0-1	1
14.89	14.96	15.03	15.4	16QAM	20MHz	1	49	0-1	1
14.80	15.02	14.93	15.4	16QAM	20MHz	1	99	0-1	1
13.89	14.15	14.16	14.4	16QAM	20MHz	50	0	0-2	2
13.74	13.90	13.85	14.4	16QAM	20MHz	50	25	0-2	2
13.81	13.92	14.02	14.4	16QAM	20MHz	50	50	0-2	2
13.99	14.17	14.14	14.4	16QAM	20MHz	100	0	0-2	2
13.64	13.88	13.77	14.4	64QAM	20MHz	1	0	0-2	2
13.57	13.73	13.72	14.4	64QAM	20MHz	1	49	0-2	2
13.64	13.71	13.76	14.4	64QAM	20MHz	1	99	0-2	2
12.77	12.80	12.83	13.4	64QAM	20MHz	50	0	0-3	3
12.66	12.98	12.84	13.4	64QAM	20MHz	50	25	0-3	3
12.58	12.78	12.78	13.4	64QAM	20MHz	50	50	0-3	3
12.82	12.98	12.94	13.4	64QAM	20MHz	100	0	0-3	3
10.87	10.98	10.89	11.4	256QAM	20MHz	1	0	0-5	5
10.85	10.94	10.94	11.4	256QAM	20MHz	1	49	0-5	5
10.81	10.77	10.83	11.4	256QAM	20MHz	1	99	0-5	5
10.71	10.85	10.83	11.4	256QAM	20MHz	50	0	0-5	5
10.72	10.79	10.76	11.4	256QAM	20MHz	50	25	0-5	5
10.65	10.68	10.74	11.4	256QAM	20MHz	50	50	0-5	5
10.83	10.88	10.78	11.4	256QAM	20MHz	100	0	0-5	5

LTE Band 4								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
20025	20175	20325	Channel						
1717.5	1732.5	1747.5	Freq. (MHz)						
16.30	16.31	16.26	16.4	QPSK	15MHz	1	0	0	0
16.25	16.34	16.11	16.4	QPSK	15MHz	1	37	0	0
16.28	16.29	16.14	16.4	QPSK	15MHz	1	74	0	0
15.06	15.21	15.11	15.4	QPSK	15MHz	36	0	0-1	1
14.89	15.09	15.11	15.4	QPSK	15MHz	36	19	0-1	1
14.92	15.20	15.07	15.4	QPSK	15MHz	36	39	0-1	1
14.84	15.10	15.17	15.4	QPSK	15MHz	75	0	0-1	1
14.76	15.08	14.88	15.4	16QAM	15MHz	1	0	0-1	1
14.80	14.93	15.03	15.4	16QAM	15MHz	1	37	0-1	1
14.70	14.93	14.84	15.4	16QAM	15MHz	1	74	0-1	1
13.79	14.12	14.11	14.4	16QAM	15MHz	36	0	0-2	2
13.64	13.88	13.80	14.4	16QAM	15MHz	36	19	0-2	2
13.77	13.84	13.92	14.4	16QAM	15MHz	36	39	0-2	2
13.99	14.12	14.07	14.4	16QAM	15MHz	75	0	0-2	2
13.57	13.81	13.69	14.4	64QAM	15MHz	1	0	0-2	2
13.55	13.71	13.68	14.4	64QAM	15MHz	1	37	0-2	2
13.56	13.61	13.67	14.4	64QAM	15MHz	1	74	0-2	2
12.70	12.70	12.77	13.4	64QAM	15MHz	36	0	0-3	3
12.66	12.92	12.74	13.4	64QAM	15MHz	36	19	0-3	3
12.53	12.77	12.69	13.4	64QAM	15MHz	36	39	0-3	3
12.72	12.91	12.90	13.4	64QAM	15MHz	75	0	0-3	3
10.80	10.88	10.82	11.4	256QAM	15MHz	1	0	0-5	5
10.75	10.89	10.90	11.4	256QAM	15MHz	1	37	0-5	5
10.74	10.76	10.82	11.4	256QAM	15MHz	1	74	0-5	5
10.64	10.77	10.76	11.4	256QAM	15MHz	36	0	0-5	5
10.63	10.76	10.74	11.4	256QAM	15MHz	36	19	0-5	5
10.58	10.65	10.68	11.4	256QAM	15MHz	36	39	0-5	5
10.74	10.85	10.77	11.4	256QAM	15MHz	75	0	0-5	5

LTE Band 4								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
20000	20175	20350	Channel						
1715	1732.5	1750	Freq. (MHz)						
16.33	16.31	16.33	16.4	QPSK	10MHz	1	0	0	0
16.31	16.33	16.12	16.4	QPSK	10MHz	1	24	0	0
16.29	16.26	16.09	16.4	QPSK	10MHz	1	49	0	0
14.98	15.14	15.15	15.4	QPSK	10MHz	25	0	0-1	1
14.89	15.06	15.09	15.4	QPSK	10MHz	25	12	0-1	1
14.86	15.17	15.13	15.4	QPSK	10MHz	25	25	0-1	1
14.85	15.17	15.11	15.4	QPSK	10MHz	50	0	0-1	1
14.69	15.02	14.89	15.4	16QAM	10MHz	1	0	0-1	1
14.85	14.91	14.93	15.4	16QAM	10MHz	1	24	0-1	1
14.79	15.02	14.93	15.4	16QAM	10MHz	1	49	0-1	1
13.80	14.09	14.12	14.4	16QAM	10MHz	25	0	0-2	2
13.73	13.83	13.77	14.4	16QAM	10MHz	25	12	0-2	2
13.72	13.89	13.94	14.4	16QAM	10MHz	25	25	0-2	2
13.90	14.17	14.08	14.4	16QAM	10MHz	50	0	0-2	2
13.58	13.81	13.72	14.4	64QAM	10MHz	1	0	0-2	2
13.49	13.73	13.67	14.4	64QAM	10MHz	1	24	0-2	2
13.54	13.68	13.66	14.4	64QAM	10MHz	1	49	0-2	2
12.75	12.74	12.75	13.4	64QAM	10MHz	25	0	0-3	3
12.61	12.92	12.74	13.4	64QAM	10MHz	25	12	0-3	3
12.56	12.74	12.71	13.4	64QAM	10MHz	25	25	0-3	3
12.76	12.88	12.89	13.4	64QAM	10MHz	50	0	0-3	3
10.77	10.91	10.79	11.4	256QAM	10MHz	1	0	0-5	5
10.76	10.94	10.93	11.4	256QAM	10MHz	1	24	0-5	5
10.75	10.73	10.78	11.4	256QAM	10MHz	1	49	0-5	5
10.67	10.84	10.73	11.4	256QAM	10MHz	25	0	0-5	5
10.72	10.71	10.73	11.4	256QAM	10MHz	25	12	0-5	5
10.55	10.60	10.69	11.4	256QAM	10MHz	25	25	0-5	5
10.79	10.86	10.78	11.4	256QAM	10MHz	50	0	0-5	5

LTE Band 4								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
19975	20175	20375	Channel							
1712.5	1732.5	1752.5	Freq. (MHz)							
16.37	16.33	16.29	16.4	QPSK	5MHz	1	0	0	0	
16.31	16.29	16.12	16.4	QPSK	5MHz	1	12	0	0	
16.26	16.33	16.05	16.4	QPSK	5MHz	1	24	0	0	
15.02	15.18	15.10	15.4	QPSK	5MHz	12	0	0-1	1	
14.87	15.13	15.05	15.4	QPSK	5MHz	12	6	0-1	1	
14.84	15.22	15.09	15.4	QPSK	5MHz	12	13	0-1	1	
14.83	15.12	15.10	15.4	QPSK	5MHz	25	0	0-1	1	
14.72	15.00	14.87	15.4	16QAM	5MHz	1	0	0-1	1	
14.79	14.96	15.00	15.4	16QAM	5MHz	1	12	0-1	1	
14.74	15.02	14.93	15.4	16QAM	5MHz	1	24	0-1	1	
13.84	14.07	14.08	14.4	16QAM	5MHz	12	0	0-2	2	
13.73	13.83	13.78	14.4	16QAM	5MHz	12	6	0-2	2	
13.75	13.91	13.97	14.4	16QAM	5MHz	12	13	0-2	2	
13.99	14.07	14.05	14.4	16QAM	5MHz	25	0	0-2	2	
13.59	13.81	13.70	14.4	64QAM	5MHz	1	0	0-2	2	
13.51	13.63	13.72	14.4	64QAM	5MHz	1	12	0-2	2	
13.56	13.65	13.75	14.4	64QAM	5MHz	1	24	0-2	2	
12.77	12.70	12.73	13.4	64QAM	5MHz	12	0	0-3	3	
12.64	12.91	12.78	13.4	64QAM	5MHz	12	6	0-3	3	
12.57	12.74	12.73	13.4	64QAM	5MHz	12	13	0-3	3	
12.79	12.91	12.92	13.4	64QAM	5MHz	25	0	0-3	3	
10.80	10.91	10.83	11.4	256QAM	5MHz	1	0	0-5	5	
10.81	10.86	10.92	11.4	256QAM	5MHz	1	12	0-5	5	
10.72	10.77	10.76	11.4	256QAM	5MHz	1	24	0-5	5	
10.61	10.76	10.76	11.4	256QAM	5MHz	12	0	0-5	5	
10.70	10.77	10.73	11.4	256QAM	5MHz	12	6	0-5	5	
10.61	10.61	10.70	11.4	256QAM	5MHz	12	13	0-5	5	
10.81	10.82	10.70	11.4	256QAM	5MHz	25	0	0-5	5	

LTE Band 4								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
19965	20175	20385	Channel						
1711.5	1732.5	1753.5	Freq. (MHz)						
16.28	16.32	16.29	16.4	QPSK	3MHz	1	0	0	0
16.31	16.27	16.21	16.4	QPSK	3MHz	1	7	0	0
16.31	16.33	16.10	16.4	QPSK	3MHz	1	14	0	0
15.02	15.18	15.16	15.4	QPSK	3MHz	8	0	0-1	1
14.87	15.03	15.06	15.4	QPSK	3MHz	8	3	0-1	1
14.84	15.16	15.09	15.4	QPSK	3MHz	8	7	0-1	1
14.76	15.13	15.15	15.4	QPSK	3MHz	15	0	0-1	1
14.78	15.05	14.90	15.4	16QAM	3MHz	1	0	0-1	1
14.87	14.89	15.02	15.4	16QAM	3MHz	1	7	0-1	1
14.74	14.92	14.88	15.4	16QAM	3MHz	1	14	0-1	1
13.87	14.11	14.06	14.4	16QAM	3MHz	8	0	0-2	2
13.73	13.87	13.78	14.4	16QAM	3MHz	8	3	0-2	2
13.71	13.85	13.96	14.4	16QAM	3MHz	8	7	0-2	2
13.96	14.07	14.12	14.4	16QAM	3MHz	15	0	0-2	2
13.64	13.78	13.71	14.4	64QAM	3MHz	1	0	0-2	2
13.57	13.67	13.64	14.4	64QAM	3MHz	1	7	0-2	2
13.54	13.65	13.67	14.4	64QAM	3MHz	1	14	0-2	2
12.70	12.72	12.82	13.4	64QAM	3MHz	8	0	0-3	3
12.63	12.89	12.80	13.4	64QAM	3MHz	8	3	0-3	3
12.58	12.68	12.70	13.4	64QAM	3MHz	8	7	0-3	3
12.80	12.88	12.88	13.4	64QAM	3MHz	15	0	0-3	3
10.77	10.96	10.79	11.4	256QAM	3MHz	1	0	0-5	5
10.79	10.86	10.91	11.4	256QAM	3MHz	1	7	0-5	5
10.75	10.75	10.83	11.4	256QAM	3MHz	1	14	0-5	5
10.68	10.78	10.73	11.4	256QAM	3MHz	8	0	0-5	5
10.68	10.79	10.72	11.4	256QAM	3MHz	8	3	0-5	5
10.59	10.67	10.71	11.4	256QAM	3MHz	8	7	0-5	5
10.77	10.86	10.77	11.4	256QAM	3MHz	15	0	0-5	5

LTE Band 4								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
19957	20175	20393	Channel						
1710.7	1732.5	1754.3	Freq. (MHz)						
16.38	16.33	16.33	16.4	QPSK	1.4MHz	1	0	0	0
16.26	16.26	16.18	16.4	QPSK	1.4MHz	1	2	0	0
16.25	16.26	16.08	16.4	QPSK	1.4MHz	1	5	0	0
15.06	15.21	15.14	16.4	QPSK	1.4MHz	3	0	0	0
14.93	15.08	15.05	16.4	QPSK	1.4MHz	3	1	0	0
14.87	15.23	15.12	16.4	QPSK	1.4MHz	3	3	0	0
14.79	15.12	15.18	15.4	QPSK	1.4MHz	6	0	0-1	1
14.70	15.01	14.90	15.4	16QAM	1.4MHz	1	0	0-1	1
14.84	14.88	14.98	15.4	16QAM	1.4MHz	1	2	0-1	1
14.71	15.00	14.89	15.4	16QAM	1.4MHz	1	5	0-1	1
13.89	14.09	14.06	15.4	16QAM	1.4MHz	3	0	0-1	1
13.73	13.80	13.79	15.4	16QAM	1.4MHz	3	1	0-1	1
13.79	13.82	13.92	15.4	16QAM	1.4MHz	3	3	0-1	1
13.90	14.17	14.04	14.4	16QAM	1.4MHz	6	0	0-2	2
13.54	13.82	13.70	14.4	64QAM	1.4MHz	1	0	0-2	2
13.50	13.71	13.68	14.4	64QAM	1.4MHz	1	2	0-2	2
13.60	13.67	13.66	14.4	64QAM	1.4MHz	1	5	0-2	2
12.76	12.80	12.81	14.4	64QAM	1.4MHz	3	0	0-2	2
12.66	12.89	12.77	14.4	64QAM	1.4MHz	3	1	0-2	2
12.55	12.75	12.70	14.4	64QAM	1.4MHz	3	3	0-2	2
12.77	12.93	12.94	13.4	64QAM	1.4MHz	6	0	0-3	3
10.80	10.90	10.82	11.4	256QAM	1.4MHz	1	0	0-5	5
10.78	10.85	10.87	11.4	256QAM	1.4MHz	1	2	0-5	5
10.71	10.73	10.77	11.4	256QAM	1.4MHz	1	5	0-5	5
10.68	10.80	10.75	11.4	256QAM	1.4MHz	3	0	0-5	5
10.72	10.76	10.76	11.4	256QAM	1.4MHz	3	1	0-5	5
10.63	10.63	10.70	11.4	256QAM	1.4MHz	3	3	0-5	5
10.75	10.88	10.68	11.4	256QAM	1.4MHz	6	0	0-5	5

LTE Band 5								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
20450	20525	20600	Channel						
829	836.5	844	Freq. (MHz)						
21.25	21.29	21.26	21.3	QPSK	10MHz	1	0	0	0
21.19	21.21	21.16	21.3	QPSK	10MHz	1	24	0	0
21.11	21.11	21.05	21.3	QPSK	10MHz	1	49	0	0
20.08	20.24	20.03	20.3	QPSK	10MHz	25	0	0-1	1
20.03	20.19	20.04	20.3	QPSK	10MHz	25	12	0-1	1
20.06	20.09	20.05	20.3	QPSK	10MHz	25	25	0-1	1
20.10	20.18	20.11	20.3	QPSK	10MHz	50	0	0-1	1
19.99	20.26	20.09	20.3	16QAM	10MHz	1	0	0-1	1
20.02	20.25	20.20	20.3	16QAM	10MHz	1	24	0-1	1
20.00	20.22	20.14	20.3	16QAM	10MHz	1	49	0-1	1
18.94	19.20	19.12	19.3	16QAM	10MHz	25	0	0-2	2
18.96	19.20	19.00	19.3	16QAM	10MHz	25	12	0-2	2
18.99	19.18	18.96	19.3	16QAM	10MHz	25	25	0-2	2
18.90	19.27	19.13	19.3	16QAM	10MHz	50	0	0-2	2
18.80	19.00	18.96	19.3	64QAM	10MHz	1	0	0-2	2
18.71	18.94	18.86	19.3	64QAM	10MHz	1	24	0-2	2
18.75	18.82	18.80	19.3	64QAM	10MHz	1	49	0-2	2
17.79	17.92	17.99	18.3	64QAM	10MHz	25	0	0-3	3
17.87	18.06	17.93	18.3	64QAM	10MHz	25	12	0-3	3
17.83	17.94	17.89	18.3	64QAM	10MHz	25	25	0-3	3
17.75	17.97	17.90	18.3	64QAM	10MHz	50	0	0-3	3
16.03	16.23	16.06	16.3	256QAM	10MHz	1	0	0-5	5
15.83	16.16	15.83	16.3	256QAM	10MHz	1	24	0-5	5
15.75	15.92	15.92	16.3	256QAM	10MHz	1	49	0-5	5
15.78	15.96	15.90	16.3	256QAM	10MHz	25	0	0-5	5
15.81	16.00	15.86	16.3	256QAM	10MHz	25	12	0-5	5
15.78	15.90	15.73	16.3	256QAM	10MHz	25	25	0-5	5
15.87	16.08	15.88	16.3	256QAM	10MHz	50	0	0-5	5

LTE Band 5								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
20425	20525	20625	Channel						
826.5	836.5	846.5	Freq. (MHz)						
21.19	21.26	21.25	21.3	QPSK	5MHz	1	0	0	0
21.15	21.12	21.09	21.3	QPSK	5MHz	1	12	0	0
21.08	21.06	21.00	21.3	QPSK	5MHz	1	24	0	0
20.00	20.21	19.94	20.3	QPSK	5MHz	12	0	0-1	1
19.95	20.15	20.02	20.3	QPSK	5MHz	12	6	0-1	1
20.00	20.02	20.01	20.3	QPSK	5MHz	12	13	0-1	1
20.05	20.11	20.10	20.3	QPSK	5MHz	25	0	0-1	1
19.94	20.16	20.08	20.3	16QAM	5MHz	1	0	0-1	1
19.98	20.18	20.16	20.3	16QAM	5MHz	1	12	0-1	1
19.95	20.13	20.13	20.3	16QAM	5MHz	1	24	0-1	1
18.88	19.19	19.09	19.3	16QAM	5MHz	12	0	0-2	2
18.89	19.12	18.96	19.3	16QAM	5MHz	12	6	0-2	2
18.89	19.15	18.89	19.3	16QAM	5MHz	12	13	0-2	2
18.86	19.17	19.04	19.3	16QAM	5MHz	25	0	0-2	2
18.71	18.92	18.95	19.3	64QAM	5MHz	1	0	0-2	2
18.61	18.91	18.86	19.3	64QAM	5MHz	1	12	0-2	2
18.67	18.79	18.76	19.3	64QAM	5MHz	1	24	0-2	2
17.75	17.88	17.99	18.3	64QAM	5MHz	12	0	0-3	3
17.77	17.96	17.85	18.3	64QAM	5MHz	12	6	0-3	3
17.81	17.90	17.79	18.3	64QAM	5MHz	12	13	0-3	3
17.72	17.87	17.84	18.3	64QAM	5MHz	25	0	0-3	3
16.01	16.18	16.05	16.3	256QAM	5MHz	1	0	0-5	5
15.75	16.08	15.77	16.3	256QAM	5MHz	1	12	0-5	5
15.73	15.89	15.83	16.3	256QAM	5MHz	1	24	0-5	5
15.74	15.87	15.90	16.3	256QAM	5MHz	12	0	0-5	5
15.77	15.94	15.82	16.3	256QAM	5MHz	12	6	0-5	5
15.77	15.90	15.70	16.3	256QAM	5MHz	12	13	0-5	5
15.86	16.07	15.80	16.3	256QAM	5MHz	25	0	0-5	5

LTE Band 5								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
20415	20525	20635	Channel						
825.5	836.5	847.5	Freq. (MHz)						
21.22	21.20	21.22	21.3	QPSK	3MHz	1	0	0	0
21.13	21.16	21.08	21.3	QPSK	3MHz	1	7	0	0
21.08	21.11	21.01	21.3	QPSK	3MHz	1	14	0	0
19.98	20.21	19.94	20.3	QPSK	3MHz	8	0	0-1	1
20.03	20.16	19.94	20.3	QPSK	3MHz	8	3	0-1	1
20.06	20.04	20.01	20.3	QPSK	3MHz	8	7	0-1	1
20.08	20.13	20.08	20.3	QPSK	3MHz	15	0	0-1	1
19.92	20.20	20.04	20.3	16QAM	3MHz	1	0	0-1	1
19.96	20.17	20.19	20.3	16QAM	3MHz	1	7	0-1	1
19.93	20.19	20.08	20.3	16QAM	3MHz	1	14	0-1	1
18.94	19.11	19.03	19.3	16QAM	3MHz	8	0	0-2	2
18.94	19.11	18.97	19.3	16QAM	3MHz	8	3	0-2	2
18.95	19.10	18.86	19.3	16QAM	3MHz	8	7	0-2	2
18.83	19.19	19.10	19.3	16QAM	3MHz	15	0	0-2	2
18.70	18.90	18.86	19.3	64QAM	3MHz	1	0	0-2	2
18.66	18.92	18.85	19.3	64QAM	3MHz	1	7	0-2	2
18.75	18.78	18.73	19.3	64QAM	3MHz	1	14	0-2	2
17.79	17.82	17.90	18.3	64QAM	3MHz	8	0	0-3	3
17.77	17.97	17.88	18.3	64QAM	3MHz	8	3	0-3	3
17.83	17.91	17.87	18.3	64QAM	3MHz	8	7	0-3	3
17.68	17.94	17.88	18.3	64QAM	3MHz	15	0	0-3	3
15.95	16.13	15.99	16.3	256QAM	3MHz	1	0	0-5	5
15.73	16.06	15.73	16.3	256QAM	3MHz	1	7	0-5	5
15.72	15.88	15.86	16.3	256QAM	3MHz	1	14	0-5	5
15.74	15.93	15.87	16.3	256QAM	3MHz	8	0	0-5	5
15.81	15.96	15.80	16.3	256QAM	3MHz	8	3	0-5	5
15.73	15.82	15.68	16.3	256QAM	3MHz	8	7	0-5	5
15.81	16.06	15.78	16.3	256QAM	3MHz	15	0	0-5	5

LTE Band 5								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
20407	20525	20643	Channel						
824.7	836.5	848.3	Freq. (MHz)						
21.24	21.10	21.21	21.3	QPSK	1.4MHz	1	0	0	0
21.15	21.14	21.07	21.3	QPSK	1.4MHz	1	2	0	0
21.11	21.01	21.01	21.3	QPSK	1.4MHz	1	5	0	0
19.99	20.20	20.03	21.3	QPSK	1.4MHz	3	0	0	0
19.95	20.11	19.97	21.3	QPSK	1.4MHz	3	1	0	0
19.97	20.07	19.97	21.3	QPSK	1.4MHz	3	3	0	0
20.02	20.14	20.10	20.3	QPSK	1.4MHz	6	0	0-1	1
19.97	20.19	20.06	20.3	16QAM	1.4MHz	1	0	0-1	1
20.01	20.16	20.14	20.3	16QAM	1.4MHz	1	2	0-1	1
19.91	20.21	20.09	20.3	16QAM	1.4MHz	1	5	0-1	1
18.89	19.11	19.10	20.3	16QAM	1.4MHz	3	0	0-1	1
18.87	19.10	18.91	20.3	16QAM	1.4MHz	3	1	0-1	1
18.92	19.15	18.90	20.3	16QAM	1.4MHz	3	3	0-1	1
18.87	19.24	19.12	19.3	16QAM	1.4MHz	6	0	0-2	2
18.77	18.99	18.91	19.3	64QAM	1.4MHz	1	0	0-2	2
18.68	18.91	18.86	19.3	64QAM	1.4MHz	1	2	0-2	2
18.70	18.80	18.74	19.3	64QAM	1.4MHz	1	5	0-2	2
17.74	17.86	17.92	19.3	64QAM	1.4MHz	3	0	0-2	2
17.77	17.98	17.91	19.3	64QAM	1.4MHz	3	1	0-2	2
17.74	17.86	17.88	19.3	64QAM	1.4MHz	3	3	0-2	2
17.74	17.96	17.81	18.3	64QAM	1.4MHz	6	0	0-3	3
15.95	16.14	15.97	16.3	256QAM	1.4MHz	1	0	0-5	5
15.79	16.11	15.74	16.3	256QAM	1.4MHz	1	2	0-5	5
15.75	15.89	15.89	16.3	256QAM	1.4MHz	1	5	0-5	5
15.70	15.94	15.84	16.3	256QAM	1.4MHz	3	0	0-5	5
15.76	15.98	15.82	16.3	256QAM	1.4MHz	3	1	0-5	5
15.72	15.88	15.72	16.3	256QAM	1.4MHz	3	3	0-5	5
15.87	16.04	15.78	16.3	256QAM	1.4MHz	6	0	0-5	5

LTE Band 7								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
20850	21100	21350	Channel							
2510	2535	2560	Freq. (MHz)							
14.51	14.69	14.68	14.7	QPSK	20MHz	1	0	0	0	
14.56	14.58	14.52	14.7	QPSK	20MHz	1	49	0	0	
14.46	14.49	14.41	14.7	QPSK	20MHz	1	99	0	0	
13.64	13.65	13.47	13.7	QPSK	20MHz	50	0	0-1	1	
13.54	13.53	13.44	13.7	QPSK	20MHz	50	25	0-1	1	
13.59	13.53	13.39	13.7	QPSK	20MHz	50	50	0-1	1	
13.63	13.67	13.55	13.7	QPSK	20MHz	100	0	0-1	1	
13.56	13.61	13.53	13.7	16QAM	20MHz	1	0	0-1	1	
13.58	13.60	13.58	13.7	16QAM	20MHz	1	49	0-1	1	
13.57	13.62	13.47	13.7	16QAM	20MHz	1	99	0-1	1	
12.61	12.57	12.48	12.7	16QAM	20MHz	50	0	0-2	2	
12.50	12.58	12.41	12.7	16QAM	20MHz	50	25	0-2	2	
12.49	12.52	12.39	12.7	16QAM	20MHz	50	50	0-2	2	
12.61	12.60	12.56	12.7	16QAM	20MHz	100	0	0-2	2	
12.40	12.42	12.35	12.7	64QAM	20MHz	1	0	0-2	2	
12.33	12.32	12.25	12.7	64QAM	20MHz	1	49	0-2	2	
12.32	12.32	12.19	12.7	64QAM	20MHz	1	99	0-2	2	
11.38	11.38	11.32	11.7	64QAM	20MHz	50	0	0-3	3	
11.41	11.43	11.31	11.7	64QAM	20MHz	50	25	0-3	3	
11.29	11.33	11.23	11.7	64QAM	20MHz	50	50	0-3	3	
11.46	11.44	11.29	11.7	64QAM	20MHz	100	0	0-3	3	
9.49	9.54	9.44	9.7	256QAM	20MHz	1	0	0-5	5	
9.48	9.50	9.33	9.7	256QAM	20MHz	1	49	0-5	5	
9.38	9.34	9.29	9.7	256QAM	20MHz	1	99	0-5	5	
9.36	9.40	9.28	9.7	256QAM	20MHz	50	0	0-5	5	
9.30	9.38	9.21	9.7	256QAM	20MHz	50	25	0-5	5	
9.27	9.29	9.14	9.7	256QAM	20MHz	50	50	0-5	5	
9.37	9.44	9.33	9.7	256QAM	20MHz	100	0	0-5	5	

LTE Band 7								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
20825	21100	21375	Channel							
2507.5	2535	2562.5	Freq. (MHz)							
14.45	14.68	14.58	14.7	QPSK	15MHz	1	0	0	0	
14.54	14.49	14.45	14.7	QPSK	15MHz	1	37	0	0	
14.38	14.47	14.37	14.7	QPSK	15MHz	1	74	0	0	
13.58	13.57	13.46	13.7	QPSK	15MHz	36	0	0-1	1	
13.53	13.49	13.44	13.7	QPSK	15MHz	36	19	0-1	1	
13.55	13.47	13.31	13.7	QPSK	15MHz	36	39	0-1	1	
13.58	13.61	13.49	13.7	QPSK	15MHz	75	0	0-1	1	
13.51	13.60	13.46	13.7	16QAM	15MHz	1	0	0-1	1	
13.56	13.53	13.50	13.7	16QAM	15MHz	1	37	0-1	1	
13.52	13.56	13.44	13.7	16QAM	15MHz	1	74	0-1	1	
12.61	12.50	12.48	12.7	16QAM	15MHz	36	0	0-2	2	
12.49	12.57	12.32	12.7	16QAM	15MHz	36	19	0-2	2	
12.45	12.50	12.33	12.7	16QAM	15MHz	36	39	0-2	2	
12.52	12.60	12.53	12.7	16QAM	15MHz	75	0	0-2	2	
12.39	12.32	12.28	12.7	64QAM	15MHz	1	0	0-2	2	
12.23	12.26	12.15	12.7	64QAM	15MHz	1	37	0-2	2	
12.32	12.26	12.15	12.7	64QAM	15MHz	1	74	0-2	2	
11.30	11.31	11.23	11.7	64QAM	15MHz	36	0	0-3	3	
11.41	11.43	11.31	11.7	64QAM	15MHz	36	19	0-3	3	
11.28	11.32	11.15	11.7	64QAM	15MHz	36	39	0-3	3	
11.41	11.36	11.24	11.7	64QAM	15MHz	75	0	0-3	3	
9.44	9.48	9.40	9.7	256QAM	15MHz	1	0	0-5	5	
9.40	9.40	9.28	9.7	256QAM	15MHz	1	37	0-5	5	
9.28	9.30	9.20	9.7	256QAM	15MHz	1	74	0-5	5	
9.27	9.35	9.21	9.7	256QAM	15MHz	36	0	0-5	5	
9.29	9.36	9.19	9.7	256QAM	15MHz	36	19	0-5	5	
9.17	9.23	9.10	9.7	256QAM	15MHz	36	39	0-5	5	
9.35	9.40	9.24	9.7	256QAM	15MHz	75	0	0-5	5	

LTE Band 7								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
20800	21100	21400	Channel							
2505	2535	2565	Freq. (MHz)							
14.43	14.61	14.64	14.7	QPSK	10MHz	1	0	0	0	
14.50	14.48	14.42	14.7	QPSK	10MHz	1	24	0	0	
14.45	14.47	14.41	14.7	QPSK	10MHz	1	49	0	0	
13.63	13.59	13.38	13.7	QPSK	10MHz	25	0	0-1	1	
13.54	13.52	13.42	13.7	QPSK	10MHz	25	12	0-1	1	
13.57	13.53	13.37	13.7	QPSK	10MHz	25	25	0-1	1	
13.61	13.57	13.45	13.7	QPSK	10MHz	50	0	0-1	1	
13.48	13.56	13.43	13.7	16QAM	10MHz	1	0	0-1	1	
13.54	13.59	13.56	13.7	16QAM	10MHz	1	24	0-1	1	
13.50	13.52	13.39	13.7	16QAM	10MHz	1	49	0-1	1	
12.54	12.48	12.48	12.7	16QAM	10MHz	25	0	0-2	2	
12.46	12.48	12.33	12.7	16QAM	10MHz	25	12	0-2	2	
12.43	12.49	12.36	12.7	16QAM	10MHz	25	25	0-2	2	
12.54	12.56	12.50	12.7	16QAM	10MHz	50	0	0-2	2	
12.39	12.33	12.26	12.7	64QAM	10MHz	1	0	0-2	2	
12.33	12.24	12.17	12.7	64QAM	10MHz	1	24	0-2	2	
12.26	12.30	12.14	12.7	64QAM	10MHz	1	49	0-2	2	
11.29	11.32	11.31	11.7	64QAM	10MHz	25	0	0-3	3	
11.37	11.41	11.22	11.7	64QAM	10MHz	25	12	0-3	3	
11.28	11.28	11.17	11.7	64QAM	10MHz	25	25	0-3	3	
11.36	11.37	11.19	11.7	64QAM	10MHz	50	0	0-3	3	
9.43	9.44	9.35	9.7	256QAM	10MHz	1	0	0-5	5	
9.40	9.49	9.30	9.7	256QAM	10MHz	1	24	0-5	5	
9.35	9.28	9.26	9.7	256QAM	10MHz	1	49	0-5	5	
9.26	9.32	9.23	9.7	256QAM	10MHz	25	0	0-5	5	
9.21	9.33	9.16	9.7	256QAM	10MHz	25	12	0-5	5	
9.27	9.23	9.04	9.7	256QAM	10MHz	25	25	0-5	5	
9.28	9.39	9.24	9.7	256QAM	10MHz	50	0	0-5	5	

LTE Band 7								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
20775	21100	21425	Channel							
2502.5	2535	2567.5	Freq. (MHz)							
14.41	14.65	14.65	14.7	QPSK	5MHz	1	0	0	0	
14.54	14.50	14.46	14.7	QPSK	5MHz	1	12	0	0	
14.38	14.48	14.31	14.7	QPSK	5MHz	1	24	0	0	
13.57	13.63	13.47	13.7	QPSK	5MHz	12	0	0-1	1	
13.51	13.49	13.43	13.7	QPSK	5MHz	12	6	0-1	1	
13.52	13.49	13.39	13.7	QPSK	5MHz	12	13	0-1	1	
13.58	13.67	13.52	13.7	QPSK	5MHz	25	0	0-1	1	
13.47	13.58	13.46	13.7	16QAM	5MHz	1	0	0-1	1	
13.58	13.59	13.53	13.7	16QAM	5MHz	1	12	0-1	1	
13.53	13.58	13.45	13.7	16QAM	5MHz	1	24	0-1	1	
12.52	12.47	12.46	12.7	16QAM	5MHz	12	0	0-2	2	
12.50	12.48	12.37	12.7	16QAM	5MHz	12	6	0-2	2	
12.47	12.44	12.33	12.7	16QAM	5MHz	12	13	0-2	2	
12.59	12.57	12.51	12.7	16QAM	5MHz	25	0	0-2	2	
12.35	12.39	12.26	12.7	64QAM	5MHz	1	0	0-2	2	
12.28	12.22	12.17	12.7	64QAM	5MHz	1	12	0-2	2	
12.31	12.27	12.17	12.7	64QAM	5MHz	1	24	0-2	2	
11.36	11.34	11.27	11.7	64QAM	5MHz	12	0	0-3	3	
11.40	11.42	11.25	11.7	64QAM	5MHz	12	6	0-3	3	
11.20	11.33	11.15	11.7	64QAM	5MHz	12	13	0-3	3	
11.40	11.38	11.26	11.7	64QAM	5MHz	25	0	0-3	3	
9.47	9.47	9.42	9.7	256QAM	5MHz	1	0	0-5	5	
9.47	9.48	9.23	9.7	256QAM	5MHz	1	12	0-5	5	
9.38	9.27	9.22	9.7	256QAM	5MHz	1	24	0-5	5	
9.27	9.38	9.24	9.7	256QAM	5MHz	12	0	0-5	5	
9.24	9.28	9.13	9.7	256QAM	5MHz	12	6	0-5	5	
9.24	9.22	9.06	9.7	256QAM	5MHz	12	13	0-5	5	
9.34	9.40	9.25	9.7	256QAM	5MHz	25	0	0-5	5	

LTE Band 12								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
23060	23095	23130	Channel						
704	707.5	711	Freq. (MHz)						
20.66	20.79	20.68	20.9	QPSK	10MHz	1	0	0	0
20.32	20.56	20.39	20.9	QPSK	10MHz	1	24	0	0
20.27	20.48	20.15	20.9	QPSK	10MHz	1	49	0	0
19.36	19.48	19.18	19.9	QPSK	10MHz	25	0	0-1	1
19.25	19.40	19.33	19.9	QPSK	10MHz	25	12	0-1	1
19.40	19.41	19.21	19.9	QPSK	10MHz	25	25	0-1	1
19.33	19.43	19.43	19.9	QPSK	10MHz	50	0	0-1	1
19.25	19.39	19.31	19.9	16QAM	10MHz	1	0	0-1	1
19.20	19.51	19.47	19.9	16QAM	10MHz	1	24	0-1	1
19.21	19.48	19.43	19.9	16QAM	10MHz	1	49	0-1	1
18.10	18.49	18.36	18.9	16QAM	10MHz	25	0	0-2	2
18.25	18.46	18.18	18.9	16QAM	10MHz	25	12	0-2	2
18.22	18.46	18.13	18.9	16QAM	10MHz	25	25	0-2	2
18.17	18.56	18.36	18.9	16QAM	10MHz	50	0	0-2	2
18.00	18.24	18.18	18.9	64QAM	10MHz	1	0	0-2	2
17.95	18.09	18.06	18.9	64QAM	10MHz	1	24	0-2	2
18.06	18.03	18.08	18.9	64QAM	10MHz	1	49	0-2	2
17.06	17.30	17.20	17.9	64QAM	10MHz	25	0	0-3	3
17.14	17.30	17.14	17.9	64QAM	10MHz	25	12	0-3	3
16.93	17.23	17.21	17.9	64QAM	10MHz	25	25	0-3	3
17.06	17.19	17.17	17.9	64QAM	10MHz	50	0	0-3	3
15.32	15.42	15.26	15.9	256QAM	10MHz	1	0	0-5	5
15.02	15.28	15.06	15.9	256QAM	10MHz	1	24	0-5	5
15.05	15.15	15.26	15.9	256QAM	10MHz	1	49	0-5	5
14.94	15.13	15.20	15.9	256QAM	10MHz	25	0	0-5	5
14.97	15.27	15.17	15.9	256QAM	10MHz	25	12	0-5	5
15.11	15.08	15.00	15.9	256QAM	10MHz	25	25	0-5	5
15.09	15.36	15.15	15.9	256QAM	10MHz	50	0	0-5	5

LTE Band 12								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
23035	23095	23155	Channel						
701.5	707.5	713.5	Freq. (MHz)						
20.65	20.70	20.60	20.9	QPSK	5MHz	1	0	0	0
20.29	20.49	20.37	20.9	QPSK	5MHz	1	12	0	0
20.23	20.46	20.10	20.9	QPSK	5MHz	1	24	0	0
19.30	19.38	19.11	19.9	QPSK	5MHz	12	0	0-1	1
19.24	19.34	19.28	19.9	QPSK	5MHz	12	6	0-1	1
19.37	19.36	19.13	19.9	QPSK	5MHz	12	13	0-1	1
19.33	19.35	19.41	19.9	QPSK	5MHz	25	0	0-1	1
19.23	19.30	19.28	19.9	16QAM	5MHz	1	0	0-1	1
19.12	19.47	19.45	19.9	16QAM	5MHz	1	12	0-1	1
19.12	19.39	19.33	19.9	16QAM	5MHz	1	24	0-1	1
18.08	18.40	18.27	18.9	16QAM	5MHz	12	0	0-2	2
18.25	18.43	18.14	18.9	16QAM	5MHz	12	6	0-2	2
18.21	18.37	18.03	18.9	16QAM	5MHz	12	13	0-2	2
18.15	18.46	18.34	18.9	16QAM	5MHz	25	0	0-2	2
17.95	18.24	18.08	18.9	64QAM	5MHz	1	0	0-2	2
17.90	18.02	18.02	18.9	64QAM	5MHz	1	12	0-2	2
17.99	18.01	18.02	18.9	64QAM	5MHz	1	24	0-2	2
17.02	17.20	17.17	17.9	64QAM	5MHz	12	0	0-3	3
17.11	17.29	17.06	17.9	64QAM	5MHz	12	6	0-3	3
16.84	17.21	17.19	17.9	64QAM	5MHz	12	13	0-3	3
16.97	17.11	17.15	17.9	64QAM	5MHz	25	0	0-3	3
15.31	15.38	15.17	15.9	256QAM	5MHz	1	0	0-5	5
14.94	15.24	15.04	15.9	256QAM	5MHz	1	12	0-5	5
15.04	15.10	15.23	15.9	256QAM	5MHz	1	24	0-5	5
14.94	15.06	15.17	15.9	256QAM	5MHz	12	0	0-5	5
14.89	15.23	15.13	15.9	256QAM	5MHz	12	6	0-5	5
15.09	15.06	14.97	15.9	256QAM	5MHz	12	13	0-5	5
15.00	15.36	15.13	15.9	256QAM	5MHz	25	0	0-5	5

LTE Band 12								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
23025	23095	23165	Channel						
700.5	707.5	714.5	Freq. (MHz)						
20.65	20.71	20.58	20.9	QPSK	3MHz	1	0	0	0
20.22	20.54	20.33	20.9	QPSK	3MHz	1	7	0	0
20.17	20.43	20.09	20.9	QPSK	3MHz	1	14	0	0
19.32	19.43	19.08	19.9	QPSK	3MHz	8	0	0-1	1
19.24	19.37	19.30	19.9	QPSK	3MHz	8	3	0-1	1
19.34	19.33	19.20	19.9	QPSK	3MHz	8	7	0-1	1
19.33	19.42	19.39	19.9	QPSK	3MHz	15	0	0-1	1
19.21	19.31	19.24	19.9	16QAM	3MHz	1	0	0-1	1
19.19	19.47	19.41	19.9	16QAM	3MHz	1	7	0-1	1
19.13	19.46	19.41	19.9	16QAM	3MHz	1	14	0-1	1
18.02	18.44	18.27	18.9	16QAM	3MHz	8	0	0-2	2
18.21	18.43	18.12	18.9	16QAM	3MHz	8	3	0-2	2
18.19	18.41	18.10	18.9	16QAM	3MHz	8	7	0-2	2
18.07	18.56	18.26	18.9	16QAM	3MHz	15	0	0-2	2
17.95	18.20	18.09	18.9	64QAM	3MHz	1	0	0-2	2
17.91	18.04	17.97	18.9	64QAM	3MHz	1	7	0-2	2
17.98	17.98	18.06	18.9	64QAM	3MHz	1	14	0-2	2
17.02	17.28	17.10	17.9	64QAM	3MHz	8	0	0-3	3
17.07	17.26	17.10	17.9	64QAM	3MHz	8	3	0-3	3
16.87	17.14	17.13	17.9	64QAM	3MHz	8	7	0-3	3
17.03	17.17	17.15	17.9	64QAM	3MHz	15	0	0-3	3
15.23	15.36	15.23	15.9	256QAM	3MHz	1	0	0-5	5
14.92	15.25	14.99	15.9	256QAM	3MHz	1	7	0-5	5
14.95	15.11	15.16	15.9	256QAM	3MHz	1	14	0-5	5
14.85	15.07	15.20	15.9	256QAM	3MHz	8	0	0-5	5
14.94	15.21	15.10	15.9	256QAM	3MHz	8	3	0-5	5
15.04	15.08	14.94	15.9	256QAM	3MHz	8	7	0-5	5
15.05	15.31	15.12	15.9	256QAM	3MHz	15	0	0-5	5

LTE Band 12								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
23017	23095	23173	Channel						
699.7	707.5	715.3	Freq. (MHz)						
20.57	20.69	20.61	20.9	QPSK	1.4MHz	1	0	0	0
20.32	20.49	20.30	20.9	QPSK	1.4MHz	1	2	0	0
20.25	20.42	20.09	20.9	QPSK	1.4MHz	1	5	0	0
19.28	19.47	19.10	20.9	QPSK	1.4MHz	3	0	0	0
19.20	19.30	19.30	20.9	QPSK	1.4MHz	3	1	0	0
19.36	19.33	19.15	20.9	QPSK	1.4MHz	3	3	0	0
19.28	19.35	19.41	19.9	QPSK	1.4MHz	6	0	0-1	1
19.25	19.38	19.22	19.9	16QAM	1.4MHz	1	0	0-1	1
19.13	19.47	19.44	19.9	16QAM	1.4MHz	1	2	0-1	1
19.21	19.46	19.41	19.9	16QAM	1.4MHz	1	5	0-1	1
18.03	18.44	18.26	19.9	16QAM	1.4MHz	3	0	0-1	1
18.23	18.41	18.13	19.9	16QAM	1.4MHz	3	1	0-1	1
18.12	18.40	18.09	19.9	16QAM	1.4MHz	3	3	0-1	1
18.08	18.56	18.34	18.9	16QAM	1.4MHz	6	0	0-2	2
17.94	18.18	18.12	18.9	64QAM	1.4MHz	1	0	0-2	2
17.92	18.06	17.99	18.9	64QAM	1.4MHz	1	2	0-2	2
18.03	17.96	18.00	18.9	64QAM	1.4MHz	1	5	0-2	2
17.05	17.22	17.16	18.9	64QAM	1.4MHz	3	0	0-2	2
17.14	17.25	17.13	18.9	64QAM	1.4MHz	3	1	0-2	2
16.92	17.17	17.19	18.9	64QAM	1.4MHz	3	3	0-2	2
16.99	17.18	17.15	17.9	64QAM	1.4MHz	6	0	0-3	3
15.23	15.40	15.25	15.9	256QAM	1.4MHz	1	0	0-5	5
15.01	15.21	14.97	15.9	256QAM	1.4MHz	1	2	0-5	5
15.05	15.09	15.16	15.9	256QAM	1.4MHz	1	5	0-5	5
14.85	15.06	15.11	15.9	256QAM	1.4MHz	3	0	0-5	5
14.97	15.26	15.07	15.9	256QAM	1.4MHz	3	1	0-5	5
15.11	14.98	14.99	15.9	256QAM	1.4MHz	3	3	0-5	5
14.99	15.31	15.15	15.9	256QAM	1.4MHz	6	0	0-5	5

LTE Band 13					
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23230	Channel				
782	Freq. (MHz)				
19.79	19.8	QPSK	10MHz	1	0
19.62	19.8	QPSK	10MHz	1	24
19.52	19.8	QPSK	10MHz	1	49
18.56	18.8	QPSK	10MHz	25	0
18.50	18.8	QPSK	10MHz	25	12
18.49	18.8	QPSK	10MHz	25	25
18.43	18.8	QPSK	10MHz	50	0
18.45	18.8	16QAM	10MHz	1	0
18.61	18.8	16QAM	10MHz	1	24
18.53	18.8	16QAM	10MHz	1	49
17.50	17.8	16QAM	10MHz	25	0
17.49	17.8	16QAM	10MHz	25	12
17.50	17.8	16QAM	10MHz	25	25
17.57	17.8	16QAM	10MHz	50	0
17.30	17.8	64QAM	10MHz	1	0
17.16	17.8	64QAM	10MHz	1	24
17.07	17.8	64QAM	10MHz	1	49
16.36	16.8	64QAM	10MHz	25	0
16.32	16.8	64QAM	10MHz	25	12
16.26	16.8	64QAM	10MHz	25	25
16.27	16.8	64QAM	10MHz	50	0
14.42	14.8	256QAM	10MHz	1	0
14.36	14.8	256QAM	10MHz	1	24
14.20	14.8	256QAM	10MHz	1	49
14.18	14.8	256QAM	10MHz	25	0
14.33	14.8	256QAM	10MHz	25	12
14.13	14.8	256QAM	10MHz	25	25
14.46	14.8	256QAM	10MHz	50	0

LTE Band 13							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23205	23230	23255	Channel				
779.5	782	784.5	Freq. (MHz)				
19.63	19.54	19.58	19.8	QPSK	5MHz	1	0
19.42	19.50	19.39	19.8	QPSK	5MHz	1	12
19.40	19.41	19.32	19.8	QPSK	5MHz	1	24
18.38	18.41	18.09	18.8	QPSK	5MHz	12	0
18.30	18.32	18.30	18.8	QPSK	5MHz	12	6
18.35	18.40	18.17	18.8	QPSK	5MHz	12	13
18.28	18.37	18.42	18.8	QPSK	5MHz	25	0
18.31	18.32	18.23	18.8	16QAM	5MHz	1	0
18.45	18.48	18.45	18.8	16QAM	5MHz	1	12
18.35	18.47	18.41	18.8	16QAM	5MHz	1	24
17.31	17.39	17.35	17.8	16QAM	5MHz	12	0
17.36	17.41	17.11	17.8	16QAM	5MHz	12	6
17.38	17.36	17.12	17.8	16QAM	5MHz	12	13
17.39	17.49	17.34	17.8	16QAM	5MHz	25	0
17.11	17.18	17.16	17.8	64QAM	5MHz	1	0
17.04	17.03	17.00	17.8	64QAM	5MHz	1	12
16.93	17.00	17.01	17.8	64QAM	5MHz	1	24
16.17	16.27	16.10	16.8	64QAM	5MHz	12	0
16.13	16.30	16.06	16.8	64QAM	5MHz	12	6
16.08	16.19	16.14	16.8	64QAM	5MHz	12	13
16.08	16.15	16.09	16.8	64QAM	5MHz	25	0
14.25	14.33	14.25	14.8	256QAM	5MHz	1	0
14.22	14.27	14.05	14.8	256QAM	5MHz	1	12
14.10	14.07	14.16	14.8	256QAM	5MHz	1	24
14.02	14.05	14.16	14.8	256QAM	5MHz	12	0
14.15	14.17	14.07	14.8	256QAM	5MHz	12	6
14.01	14.03	13.99	14.8	256QAM	5MHz	12	13
14.32	14.36	14.08	14.8	256QAM	5MHz	25	0

LTE Band 14					
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23330	Channel				
793	Freq. (MHz)				
20.69	20.8	QPSK	10MHz	1	0
20.52	20.8	QPSK	10MHz	1	24
20.42	20.8	QPSK	10MHz	1	49
19.46	19.8	QPSK	10MHz	25	0
19.40	19.8	QPSK	10MHz	25	12
19.39	19.8	QPSK	10MHz	25	25
19.33	19.8	QPSK	10MHz	50	0
19.35	19.8	16QAM	10MHz	1	0
19.51	19.8	16QAM	10MHz	1	24
19.43	19.8	16QAM	10MHz	1	49
18.40	18.8	16QAM	10MHz	25	0
18.39	18.8	16QAM	10MHz	25	12
18.40	18.8	16QAM	10MHz	25	25
18.47	18.8	16QAM	10MHz	50	0
18.20	18.8	64QAM	10MHz	1	0
18.06	18.8	64QAM	10MHz	1	24
17.97	18.8	64QAM	10MHz	1	49
17.26	17.8	64QAM	10MHz	25	0
17.22	17.8	64QAM	10MHz	25	12
17.16	17.8	64QAM	10MHz	25	25
17.17	17.8	64QAM	10MHz	50	0
15.32	15.8	256QAM	10MHz	1	0
15.26	15.8	256QAM	10MHz	1	24
15.10	15.8	256QAM	10MHz	1	49
15.08	15.8	256QAM	10MHz	25	0
15.23	15.8	256QAM	10MHz	25	12
15.03	15.8	256QAM	10MHz	25	25
15.36	15.8	256QAM	10MHz	50	0

LTE Band 14							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23305	23330	23355	Channel				
790.5	793	795.5	Freq. (MHz)				
20.63	20.54	20.58	20.8	QPSK	5MHz	1	0
20.42	20.50	20.39	20.8	QPSK	5MHz	1	12
20.40	20.41	20.32	20.8	QPSK	5MHz	1	24
19.38	19.41	19.09	19.8	QPSK	5MHz	12	0
19.30	19.32	19.30	19.8	QPSK	5MHz	12	6
19.35	19.40	19.17	19.8	QPSK	5MHz	12	13
19.28	19.37	19.42	19.8	QPSK	5MHz	25	0
19.31	19.32	19.23	19.8	16QAM	5MHz	1	0
19.45	19.48	19.45	19.8	16QAM	5MHz	1	12
19.35	19.47	19.41	19.8	16QAM	5MHz	1	24
18.31	18.39	18.35	18.8	16QAM	5MHz	12	0
18.36	18.41	18.11	18.8	16QAM	5MHz	12	6
18.38	18.36	18.12	18.8	16QAM	5MHz	12	13
18.39	18.49	18.34	18.8	16QAM	5MHz	25	0
18.11	18.18	18.16	18.8	64QAM	5MHz	1	0
18.04	18.03	18.00	18.8	64QAM	5MHz	1	12
17.93	18.00	18.01	18.8	64QAM	5MHz	1	24
17.17	17.27	17.10	17.8	64QAM	5MHz	12	0
17.13	17.30	17.06	17.8	64QAM	5MHz	12	6
17.08	17.19	17.14	17.8	64QAM	5MHz	12	13
17.08	17.15	17.09	17.8	64QAM	5MHz	25	0
15.25	15.33	15.25	15.8	256QAM	5MHz	1	0
15.22	15.27	15.05	15.8	256QAM	5MHz	1	12
15.10	15.07	15.16	15.8	256QAM	5MHz	1	24
15.02	15.05	15.16	15.8	256QAM	5MHz	12	0
15.15	15.17	15.07	15.8	256QAM	5MHz	12	6
15.01	15.03	14.99	15.8	256QAM	5MHz	12	13
15.32	15.36	15.08	15.8	256QAM	5MHz	25	0

LTE Band 17								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
23780	23790	23800	Channel						
709	710	711	Freq. (MHz)						
20.19	20.22	20.16	21.2	QPSK	10MHz	1	0	0	0
20.08	20.11	20.11	21.2	QPSK	10MHz	1	24	0	0
19.96	20.09	19.99	21.2	QPSK	10MHz	1	49	0	0
18.98	19.00	18.72	20.2	QPSK	10MHz	25	0	0-1	1
18.99	18.94	18.89	20.2	QPSK	10MHz	25	12	0-1	1
18.95	19.01	18.81	20.2	QPSK	10MHz	25	25	0-1	1
18.92	18.96	18.93	20.2	QPSK	10MHz	50	0	0-1	1
18.92	18.98	18.89	20.2	16QAM	10MHz	1	0	0-1	1
19.10	19.02	19.00	20.2	16QAM	10MHz	1	24	0-1	1
19.00	19.08	19.00	20.2	16QAM	10MHz	1	49	0-1	1
18.00	18.01	17.96	19.2	16QAM	10MHz	25	0	0-2	2
17.95	18.03	17.75	19.2	16QAM	10MHz	25	12	0-2	2
17.96	18.00	17.64	19.2	16QAM	10MHz	25	25	0-2	2
18.00	18.11	17.89	19.2	16QAM	10MHz	50	0	0-2	2
17.73	17.80	17.74	19.2	64QAM	10MHz	1	0	0-2	2
17.58	17.61	17.64	19.2	64QAM	10MHz	1	24	0-2	2
17.53	17.60	17.62	19.2	64QAM	10MHz	1	49	0-2	2
16.86	16.80	16.75	18.2	64QAM	10MHz	25	0	0-3	3
16.79	16.89	16.68	18.2	64QAM	10MHz	25	12	0-3	3
16.66	16.77	16.71	18.2	64QAM	10MHz	25	25	0-3	3
16.75	16.71	16.67	18.2	64QAM	10MHz	50	0	0-3	3
14.91	14.95	14.76	16.2	256QAM	10MHz	1	0	0-5	5
14.76	14.82	14.56	16.2	256QAM	10MHz	1	24	0-5	5
14.63	14.66	14.85	16.2	256QAM	10MHz	1	49	0-5	5
14.62	14.64	14.74	16.2	256QAM	10MHz	25	0	0-5	5
14.83	14.80	14.69	16.2	256QAM	10MHz	25	12	0-5	5
14.57	14.68	14.52	16.2	256QAM	10MHz	25	25	0-5	5
14.86	14.86	14.75	16.2	256QAM	10MHz	50	0	0-5	5

LTE Band 17								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
23755	23790	23825	Channel						
706.5	710	713.5	Freq. (MHz)						
20.17	20.17	20.14	21.2	QPSK	5MHz	1	0	0	0
20.05	20.16	20.09	21.2	QPSK	5MHz	1	12	0	0
19.94	19.99	20.01	21.2	QPSK	5MHz	1	24	0	0
19.06	19.08	18.78	20.2	QPSK	5MHz	12	0	0-1	1
18.95	18.99	18.85	20.2	QPSK	5MHz	12	6	0-1	1
18.90	19.01	18.77	20.2	QPSK	5MHz	12	13	0-1	1
18.87	18.93	18.94	20.2	QPSK	5MHz	25	0	0-1	1
18.86	18.99	18.83	20.2	16QAM	5MHz	1	0	0-1	1
19.02	19.10	18.97	20.2	16QAM	5MHz	1	12	0-1	1
18.93	19.05	18.94	20.2	16QAM	5MHz	1	24	0-1	1
17.90	18.03	17.94	19.2	16QAM	5MHz	12	0	0-2	2
17.99	18.05	17.70	19.2	16QAM	5MHz	12	6	0-2	2
17.98	18.02	17.72	19.2	16QAM	5MHz	12	13	0-2	2
18.03	18.07	17.96	19.2	16QAM	5MHz	25	0	0-2	2
17.77	17.79	17.73	19.2	64QAM	5MHz	1	0	0-2	2
17.61	17.63	17.60	19.2	64QAM	5MHz	1	12	0-2	2
17.51	17.57	17.68	19.2	64QAM	5MHz	1	24	0-2	2
16.77	16.89	16.74	18.2	64QAM	5MHz	12	0	0-3	3
16.77	16.80	16.74	18.2	64QAM	5MHz	12	6	0-3	3
16.74	16.73	16.78	18.2	64QAM	5MHz	12	13	0-3	3
16.72	16.70	16.75	18.2	64QAM	5MHz	25	0	0-3	3
14.82	14.96	14.78	16.2	256QAM	5MHz	1	0	0-5	5
14.80	14.87	14.58	16.2	256QAM	5MHz	1	12	0-5	5
14.69	14.68	14.78	16.2	256QAM	5MHz	1	24	0-5	5
14.64	14.67	14.75	16.2	256QAM	5MHz	12	0	0-5	5
14.74	14.85	14.72	16.2	256QAM	5MHz	12	6	0-5	5
14.53	14.68	14.56	16.2	256QAM	5MHz	12	13	0-5	5
14.89	14.93	14.73	16.2	256QAM	5MHz	25	0	0-5	5

LTE Band 25								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26140	26365	26590	Channel						
1860	1882.5	1905	Freq. (MHz)						
15.73	15.79	15.77	15.8	QPSK	20MHz	1	0	0	0
15.66	15.78	15.66	15.8	QPSK	20MHz	1	49	0	0
15.61	15.72	15.65	15.8	QPSK	20MHz	1	99	0	0
14.60	14.68	14.49	14.8	QPSK	20MHz	50	0	0-1	1
14.61	14.49	14.32	14.8	QPSK	20MHz	50	25	0-1	1
14.59	14.47	14.41	14.8	QPSK	20MHz	50	50	0-1	1
14.45	14.51	14.48	14.8	QPSK	20MHz	100	0	0-1	1
14.46	14.53	14.48	14.8	16QAM	20MHz	1	0	0-1	1
14.44	14.64	14.52	14.8	16QAM	20MHz	1	49	0-1	1
14.42	14.52	14.45	14.8	16QAM	20MHz	1	99	0-1	1
13.58	13.57	13.38	13.8	16QAM	20MHz	50	0	0-2	2
13.31	13.46	13.33	13.8	16QAM	20MHz	50	25	0-2	2
13.45	13.53	13.38	13.8	16QAM	20MHz	50	50	0-2	2
13.62	13.53	13.55	13.8	16QAM	20MHz	100	0	0-2	2
13.22	13.40	13.41	13.8	64QAM	20MHz	1	0	0-2	2
13.22	13.20	13.19	13.8	64QAM	20MHz	1	49	0-2	2
13.24	13.33	13.15	13.8	64QAM	20MHz	1	99	0-2	2
12.26	12.37	12.24	12.8	64QAM	20MHz	50	0	0-3	3
12.30	12.37	12.31	12.8	64QAM	20MHz	50	25	0-3	3
12.21	12.35	12.09	12.8	64QAM	20MHz	50	50	0-3	3
12.36	12.35	12.34	12.8	64QAM	20MHz	100	0	0-3	3
10.35	10.52	10.35	10.8	256QAM	20MHz	1	0	0-5	5
10.39	10.40	10.27	10.8	256QAM	20MHz	1	49	0-5	5
10.33	10.30	10.23	10.8	256QAM	20MHz	1	99	0-5	5
10.30	10.36	10.22	10.8	256QAM	20MHz	50	0	0-5	5
10.22	10.35	10.14	10.8	256QAM	20MHz	50	25	0-5	5
10.20	10.24	10.09	10.8	256QAM	20MHz	50	50	0-5	5
10.26	10.42	10.20	10.8	256QAM	20MHz	100	0	0-5	5

LTE Band 25								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26115	26365	26615	Channel						
1857.5	1882.5	1907.5	Freq. (MHz)						
15.70	15.79	15.71	15.8	QPSK	15MHz	1	0	0	0
15.64	15.78	15.62	15.8	QPSK	15MHz	1	37	0	0
15.60	15.62	15.64	15.8	QPSK	15MHz	1	74	0	0
14.63	14.53	14.41	14.8	QPSK	15MHz	36	0	0-1	1
14.51	14.39	14.26	14.8	QPSK	15MHz	36	19	0-1	1
14.56	14.47	14.39	14.8	QPSK	15MHz	36	39	0-1	1
14.44	14.43	14.42	14.8	QPSK	15MHz	75	0	0-1	1
14.37	14.47	14.43	14.8	16QAM	15MHz	1	0	0-1	1
14.39	14.57	14.47	14.8	16QAM	15MHz	1	37	0-1	1
14.32	14.46	14.37	14.8	16QAM	15MHz	1	74	0-1	1
13.57	13.53	13.33	13.8	16QAM	15MHz	36	0	0-2	2
13.30	13.44	13.28	13.8	16QAM	15MHz	36	19	0-2	2
13.40	13.49	13.33	13.8	16QAM	15MHz	36	39	0-2	2
13.60	13.49	13.45	13.8	16QAM	15MHz	75	0	0-2	2
13.16	13.38	13.34	13.8	64QAM	15MHz	1	0	0-2	2
13.22	13.18	13.09	13.8	64QAM	15MHz	1	37	0-2	2
13.15	13.26	13.14	13.8	64QAM	15MHz	1	74	0-2	2
12.20	12.31	12.15	12.8	64QAM	15MHz	36	0	0-3	3
12.20	12.31	12.22	12.8	64QAM	15MHz	36	19	0-3	3
12.11	12.28	12.01	12.8	64QAM	15MHz	36	39	0-3	3
12.30	12.25	12.33	12.8	64QAM	15MHz	75	0	0-3	3
10.27	10.50	10.32	10.8	256QAM	15MHz	1	0	0-5	5
10.35	10.31	10.27	10.8	256QAM	15MHz	1	37	0-5	5
10.30	10.28	10.22	10.8	256QAM	15MHz	1	74	0-5	5
10.28	10.34	10.12	10.8	256QAM	15MHz	36	0	0-5	5
10.16	10.30	10.13	10.8	256QAM	15MHz	36	19	0-5	5
10.17	10.17	10.05	10.8	256QAM	15MHz	36	39	0-5	5
10.20	10.37	10.11	10.8	256QAM	15MHz	75	0	0-5	5

LTE Band 25								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26090	26365	26640	Channel						
1855	1882.5	1910	Freq. (MHz)						
15.69	15.76	15.74	15.8	QPSK	10MHz	1	0	0	0
15.61	15.73	15.64	15.8	QPSK	10MHz	1	24	0	0
15.52	15.67	15.64	15.8	QPSK	10MHz	1	49	0	0
14.68	14.55	14.48	14.8	QPSK	10MHz	25	0	0-1	1
14.51	14.47	14.22	14.8	QPSK	10MHz	25	12	0-1	1
14.50	14.37	14.32	14.8	QPSK	10MHz	25	25	0-1	1
14.42	14.41	14.44	14.8	QPSK	10MHz	50	0	0-1	1
14.38	14.43	14.47	14.8	16QAM	10MHz	1	0	0-1	1
14.41	14.64	14.51	14.8	16QAM	10MHz	1	24	0-1	1
14.42	14.51	14.39	14.8	16QAM	10MHz	1	49	0-1	1
13.53	13.49	13.30	13.8	16QAM	10MHz	25	0	0-2	2
13.31	13.44	13.24	13.8	16QAM	10MHz	25	12	0-2	2
13.36	13.43	13.38	13.8	16QAM	10MHz	25	25	0-2	2
13.53	13.49	13.48	13.8	16QAM	10MHz	50	0	0-2	2
13.15	13.33	13.35	13.8	64QAM	10MHz	1	0	0-2	2
13.14	13.18	13.09	13.8	64QAM	10MHz	1	24	0-2	2
13.15	13.25	13.13	13.8	64QAM	10MHz	1	49	0-2	2
12.18	12.31	12.18	12.8	64QAM	10MHz	25	0	0-3	3
12.30	12.27	12.29	12.8	64QAM	10MHz	25	12	0-3	3
12.11	12.34	12.01	12.8	64QAM	10MHz	25	25	0-3	3
12.28	12.27	12.34	12.8	64QAM	10MHz	50	0	0-3	3
10.31	10.51	10.35	10.8	256QAM	10MHz	1	0	0-5	5
10.36	10.39	10.17	10.8	256QAM	10MHz	1	24	0-5	5
10.26	10.25	10.17	10.8	256QAM	10MHz	1	49	0-5	5
10.22	10.36	10.17	10.8	256QAM	10MHz	25	0	0-5	5
10.21	10.31	10.13	10.8	256QAM	10MHz	25	12	0-5	5
10.18	10.24	10.00	10.8	256QAM	10MHz	25	25	0-5	5
10.22	10.38	10.16	10.8	256QAM	10MHz	50	0	0-5	5

LTE Band 25								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26065	26365	26665	Channel						
1852.5	1882.5	1912.5	Freq. (MHz)						
15.72	15.74	15.71	15.8	QPSK	5MHz	1	0	0	0
15.64	15.68	15.57	15.8	QPSK	5MHz	1	12	0	0
15.59	15.71	15.56	15.8	QPSK	5MHz	1	24	0	0
14.60	14.54	14.45	14.8	QPSK	5MHz	12	0	0-1	1
14.56	14.40	14.27	14.8	QPSK	5MHz	12	6	0-1	1
14.50	14.46	14.33	14.8	QPSK	5MHz	12	13	0-1	1
14.41	14.49	14.43	14.8	QPSK	5MHz	25	0	0-1	1
14.36	14.43	14.43	14.8	16QAM	5MHz	1	0	0-1	1
14.41	14.58	14.47	14.8	16QAM	5MHz	1	12	0-1	1
14.41	14.47	14.38	14.8	16QAM	5MHz	1	24	0-1	1
13.55	13.51	13.35	13.8	16QAM	5MHz	12	0	0-2	2
13.29	13.42	13.26	13.8	16QAM	5MHz	12	6	0-2	2
13.36	13.47	13.36	13.8	16QAM	5MHz	12	13	0-2	2
13.62	13.46	13.45	13.8	16QAM	5MHz	25	0	0-2	2
13.12	13.36	13.34	13.8	64QAM	5MHz	1	0	0-2	2
13.18	13.15	13.17	13.8	64QAM	5MHz	1	12	0-2	2
13.20	13.31	13.15	13.8	64QAM	5MHz	1	24	0-2	2
12.24	12.33	12.19	12.8	64QAM	5MHz	12	0	0-3	3
12.28	12.34	12.27	12.8	64QAM	5MHz	12	6	0-3	3
12.19	12.30	12.02	12.8	64QAM	5MHz	12	13	0-3	3
12.33	12.29	12.28	12.8	64QAM	5MHz	25	0	0-3	3
10.28	10.48	10.27	10.8	256QAM	5MHz	1	0	0-5	5
10.33	10.40	10.21	10.8	256QAM	5MHz	1	12	0-5	5
10.31	10.25	10.22	10.8	256QAM	5MHz	1	24	0-5	5
10.27	10.31	10.12	10.8	256QAM	5MHz	12	0	0-5	5
10.18	10.33	10.13	10.8	256QAM	5MHz	12	6	0-5	5
10.15	10.23	10.03	10.8	256QAM	5MHz	12	13	0-5	5
10.23	10.40	10.19	10.8	256QAM	5MHz	25	0	0-5	5

LTE Band 25								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26055	26365	26675	Channel						
1851.5	1882.5	1913.5	Freq. (MHz)						
15.73	15.76	15.76	15.8	QPSK	3MHz	1	0	0	0
15.57	15.68	15.57	15.8	QPSK	3MHz	1	7	0	0
15.58	15.68	15.55	15.8	QPSK	3MHz	1	14	0	0
14.64	14.53	14.39	14.8	QPSK	3MHz	8	0	0-1	1
14.53	14.42	14.29	14.8	QPSK	3MHz	8	3	0-1	1
14.57	14.38	14.33	14.8	QPSK	3MHz	8	7	0-1	1
14.42	14.47	14.43	14.8	QPSK	3MHz	15	0	0-1	1
14.40	14.43	14.40	14.8	16QAM	3MHz	1	0	0-1	1
14.37	14.62	14.44	14.8	16QAM	3MHz	1	7	0-1	1
14.34	14.42	14.35	14.8	16QAM	3MHz	1	14	0-1	1
13.58	13.49	13.31	13.8	16QAM	3MHz	8	0	0-2	2
13.25	13.38	13.33	13.8	16QAM	3MHz	8	3	0-2	2
13.35	13.46	13.36	13.8	16QAM	3MHz	8	7	0-2	2
13.59	13.45	13.52	13.8	16QAM	3MHz	15	0	0-2	2
13.22	13.33	13.41	13.8	64QAM	3MHz	1	0	0-2	2
13.21	13.10	13.17	13.8	64QAM	3MHz	1	7	0-2	2
13.19	13.31	13.05	13.8	64QAM	3MHz	1	14	0-2	2
12.17	12.30	12.15	12.8	64QAM	3MHz	8	0	0-3	3
12.20	12.33	12.25	12.8	64QAM	3MHz	8	3	0-3	3
12.14	12.28	11.99	12.8	64QAM	3MHz	8	7	0-3	3
12.30	12.30	12.34	12.8	64QAM	3MHz	15	0	0-3	3
10.32	10.45	10.26	10.8	256QAM	3MHz	1	0	0-5	5
10.38	10.31	10.27	10.8	256QAM	3MHz	1	7	0-5	5
10.32	10.21	10.20	10.8	256QAM	3MHz	1	14	0-5	5
10.30	10.36	10.20	10.8	256QAM	3MHz	8	0	0-5	5
10.19	10.29	10.05	10.8	256QAM	3MHz	8	3	0-5	5
10.15	10.21	10.03	10.8	256QAM	3MHz	8	7	0-5	5
10.24	10.35	10.20	10.8	256QAM	3MHz	15	0	0-5	5

LTE Band 25								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26047	26365	26683	Channel						
1850.7	1882.5	1914.3	Freq. (MHz)						
15.73	15.77	15.69	15.8	QPSK	1.4MHz	1	0	0	0
15.63	15.75	15.65	15.8	QPSK	1.4MHz	1	2	0	0
15.61	15.71	15.62	15.8	QPSK	1.4MHz	1	5	0	0
14.58	14.53	14.43	15.8	QPSK	1.4MHz	3	0	0	0
14.51	14.41	14.28	15.8	QPSK	1.4MHz	3	1	0	0
14.55	14.47	14.32	15.8	QPSK	1.4MHz	3	3	0	0
14.40	14.47	14.48	14.8	QPSK	1.4MHz	6	0	0-1	1
14.45	14.49	14.44	14.8	16QAM	1.4MHz	1	0	0-1	1
14.37	14.58	14.51	14.8	16QAM	1.4MHz	1	2	0-1	1
14.42	14.51	14.41	14.8	16QAM	1.4MHz	1	5	0-1	1
13.57	13.50	13.35	14.8	16QAM	1.4MHz	3	0	0-1	1
13.21	13.44	13.30	14.8	16QAM	1.4MHz	3	1	0-1	1
13.41	13.45	13.31	14.8	16QAM	1.4MHz	3	3	0-1	1
13.52	13.44	13.46	13.8	16QAM	1.4MHz	6	0	0-2	2
13.13	13.37	13.38	13.8	64QAM	1.4MHz	1	0	0-2	2
13.19	13.20	13.12	13.8	64QAM	1.4MHz	1	2	0-2	2
13.15	13.32	13.15	13.8	64QAM	1.4MHz	1	5	0-2	2
12.25	12.27	12.19	13.8	64QAM	1.4MHz	3	0	0-2	2
12.30	12.32	12.27	13.8	64QAM	1.4MHz	3	1	0-2	2
12.21	12.34	12.05	13.8	64QAM	1.4MHz	3	3	0-2	2
12.35	12.28	12.25	12.8	64QAM	1.4MHz	6	0	0-3	3
10.29	10.50	10.26	10.8	256QAM	1.4MHz	1	0	0-5	5
10.33	10.35	10.26	10.8	256QAM	1.4MHz	1	2	0-5	5
10.28	10.26	10.14	10.8	256QAM	1.4MHz	1	5	0-5	5
10.26	10.32	10.20	10.8	256QAM	1.4MHz	3	0	0-5	5
10.16	10.31	10.11	10.8	256QAM	1.4MHz	3	1	0-5	5
10.16	10.15	10.04	10.8	256QAM	1.4MHz	3	3	0-5	5
10.16	10.33	10.14	10.8	256QAM	1.4MHz	6	0	0-5	5

LTE Band 26								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26765	26865	26965	Channel						
821.5	831.5	841.5	Freq. (MHz)						
20.39	20.63	20.47	21.2	QPSK	15MHz	1	0	0	0
20.26	20.40	20.28	21.2	QPSK	15MHz	1	37	0	0
20.19	20.33	20.09	21.2	QPSK	15MHz	1	74	0	0
19.18	19.31	19.03	20.2	QPSK	15MHz	36	0	0-1	1
19.15	19.26	19.20	20.2	QPSK	15MHz	36	19	0-1	1
19.17	19.21	19.12	20.2	QPSK	15MHz	36	39	0-1	1
19.19	19.34	19.27	20.2	QPSK	15MHz	75	0	0-1	1
19.03	19.33	19.11	20.2	16QAM	15MHz	1	0	0-1	1
19.07	19.26	19.21	20.2	16QAM	15MHz	1	37	0-1	1
19.03	19.26	19.13	20.2	16QAM	15MHz	1	74	0-1	1
17.99	18.37	18.22	19.2	16QAM	15MHz	36	0	0-2	2
18.15	18.30	17.97	19.2	16QAM	15MHz	36	19	0-2	2
17.95	18.23	17.93	19.2	16QAM	15MHz	36	39	0-2	2
18.91	19.11	19.05	19.2	16QAM	15MHz	75	0	0-2	2
18.77	19.00	18.97	19.2	64QAM	15MHz	1	0	0-2	2
18.73	18.87	18.89	19.2	64QAM	15MHz	1	37	0-2	2
18.83	18.81	18.89	19.2	64QAM	15MHz	1	74	0-2	2
17.89	18.08	17.96	18.2	64QAM	15MHz	36	0	0-3	3
17.99	18.04	17.90	18.2	64QAM	15MHz	36	19	0-3	3
17.82	17.97	17.95	18.2	64QAM	15MHz	36	39	0-3	3
17.82	18.05	17.87	18.2	64QAM	15MHz	75	0	0-3	3
16.07	15.99	16.07	16.2	256QAM	15MHz	1	0	0-5	5
15.94	16.11	15.80	16.2	256QAM	15MHz	1	37	0-5	5
15.85	15.99	16.04	16.2	256QAM	15MHz	1	74	0-5	5
15.88	16.00	15.96	16.2	256QAM	15MHz	36	0	0-5	5
15.80	16.06	15.95	16.2	256QAM	15MHz	36	19	0-5	5
15.90	15.99	15.80	16.2	256QAM	15MHz	36	39	0-5	5
15.92	16.06	15.88	16.2	256QAM	15MHz	75	0	0-5	5

LTE Band 26								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26740	26865	26990	Channel						
819	831.5	844	Freq. (MHz)						
20.31	20.54	20.37	21.2	QPSK	10MHz	1	0	0	0
20.21	20.34	20.26	21.2	QPSK	10MHz	1	24	0	0
20.19	20.32	20.02	21.2	QPSK	10MHz	1	49	0	0
19.11	19.31	18.97	20.2	QPSK	10MHz	25	0	0-1	1
19.05	19.20	19.19	20.2	QPSK	10MHz	25	12	0-1	1
19.11	19.21	19.04	20.2	QPSK	10MHz	25	25	0-1	1
19.17	19.24	19.23	20.2	QPSK	10MHz	50	0	0-1	1
19.05	19.30	19.10	20.2	16QAM	10MHz	1	0	0-1	1
19.06	19.28	19.21	20.2	16QAM	10MHz	1	24	0-1	1
18.94	19.29	19.14	20.2	16QAM	10MHz	1	49	0-1	1
18.01	18.37	18.28	19.2	16QAM	10MHz	25	0	0-2	2
18.11	18.25	18.05	19.2	16QAM	10MHz	25	12	0-2	2
17.97	18.17	17.90	19.2	16QAM	10MHz	25	25	0-2	2
17.97	18.34	18.21	19.2	16QAM	10MHz	50	0	0-2	2
17.83	18.01	17.96	19.2	64QAM	10MHz	1	0	0-2	2
17.73	17.93	17.84	19.2	64QAM	10MHz	1	24	0-2	2
17.86	17.81	17.86	19.2	64QAM	10MHz	1	49	0-2	2
16.88	17.05	17.05	18.2	64QAM	10MHz	25	0	0-3	3
16.98	17.05	16.94	18.2	64QAM	10MHz	25	12	0-3	3
16.76	16.99	16.92	18.2	64QAM	10MHz	25	25	0-3	3
16.82	17.01	16.94	18.2	64QAM	10MHz	50	0	0-3	3
15.09	15.33	15.04	16.2	256QAM	10MHz	1	0	0-5	5
14.88	15.12	14.83	16.2	256QAM	10MHz	1	24	0-5	5
14.90	15.00	14.99	16.2	256QAM	10MHz	1	49	0-5	5
14.89	15.02	15.01	16.2	256QAM	10MHz	25	0	0-5	5
14.81	15.03	14.96	16.2	256QAM	10MHz	25	12	0-5	5
14.82	14.99	14.82	16.2	256QAM	10MHz	25	25	0-5	5
14.91	15.04	14.86	16.2	256QAM	10MHz	50	0	0-5	5

LTE Band 26								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26715	26865	27015	Channel						
816.5	831.5	846.5	Freq. (MHz)						
20.29	20.59	20.45	21.2	QPSK	5MHz	1	0	0	0
20.16	20.36	20.19	21.2	QPSK	5MHz	1	12	0	0
20.19	20.27	20.06	21.2	QPSK	5MHz	1	24	0	0
19.13	19.23	18.98	20.2	QPSK	5MHz	12	0	0-1	1
19.09	19.20	19.15	20.2	QPSK	5MHz	12	6	0-1	1
19.09	19.15	19.12	20.2	QPSK	5MHz	12	13	0-1	1
19.10	19.34	19.20	20.2	QPSK	5MHz	25	0	0-1	1
19.11	19.24	19.16	20.2	16QAM	5MHz	1	0	0-1	1
19.05	19.32	19.19	20.2	16QAM	5MHz	1	12	0-1	1
18.94	19.24	19.21	20.2	16QAM	5MHz	1	24	0-1	1
17.99	18.35	18.25	19.2	16QAM	5MHz	12	0	0-2	2
18.13	18.30	18.04	19.2	16QAM	5MHz	12	6	0-2	2
17.94	18.16	17.94	19.2	16QAM	5MHz	12	13	0-2	2
17.92	18.29	18.28	19.2	16QAM	5MHz	25	0	0-2	2
17.85	17.99	17.94	19.2	64QAM	5MHz	1	0	0-2	2
17.74	17.85	17.85	19.2	64QAM	5MHz	1	12	0-2	2
17.83	17.87	17.88	19.2	64QAM	5MHz	1	24	0-2	2
16.83	17.09	17.05	18.2	64QAM	5MHz	12	0	0-3	3
16.95	17.09	16.98	18.2	64QAM	5MHz	12	6	0-3	3
16.75	17.03	16.97	18.2	64QAM	5MHz	12	13	0-3	3
16.75	17.05	16.85	18.2	64QAM	5MHz	25	0	0-3	3
15.05	15.28	15.06	16.2	256QAM	5MHz	1	0	0-5	5
14.94	15.17	14.87	16.2	256QAM	5MHz	1	12	0-5	5
14.87	14.95	15.03	16.2	256QAM	5MHz	1	24	0-5	5
14.80	15.01	14.93	16.2	256QAM	5MHz	12	0	0-5	5
14.78	15.07	15.03	16.2	256QAM	5MHz	12	6	0-5	5
14.87	15.00	14.80	16.2	256QAM	5MHz	12	13	0-5	5
14.89	15.07	14.88	16.2	256QAM	5MHz	25	0	0-5	5

LTE Band 26								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26705	26865	27025	Channel						
815.5	831.5	847.5	Freq. (MHz)						
20.30	20.55	20.43	21.2	QPSK	3MHz	1	0	0	0
20.23	20.34	20.19	21.2	QPSK	3MHz	1	7	0	0
20.12	20.25	20.07	21.2	QPSK	3MHz	1	14	0	0
19.17	19.21	18.98	20.2	QPSK	3MHz	8	0	0-1	1
19.12	19.20	19.19	20.2	QPSK	3MHz	8	3	0-1	1
19.11	19.17	19.04	20.2	QPSK	3MHz	8	7	0-1	1
19.16	19.27	19.19	20.2	QPSK	3MHz	15	0	0-1	1
19.09	19.23	19.10	20.2	16QAM	3MHz	1	0	0-1	1
19.08	19.28	19.28	20.2	16QAM	3MHz	1	7	0-1	1
18.98	19.27	19.14	20.2	16QAM	3MHz	1	14	0-1	1
17.92	18.35	18.28	19.2	16QAM	3MHz	8	0	0-2	2
18.08	18.31	17.99	19.2	16QAM	3MHz	8	3	0-2	2
17.95	18.20	17.89	19.2	16QAM	3MHz	8	7	0-2	2
17.92	18.31	18.21	19.2	16QAM	3MHz	15	0	0-2	2
17.78	18.08	17.91	19.2	64QAM	3MHz	1	0	0-2	2
17.76	17.85	17.86	19.2	64QAM	3MHz	1	7	0-2	2
17.80	17.81	17.80	19.2	64QAM	3MHz	1	14	0-2	2
16.83	17.02	16.96	18.2	64QAM	3MHz	8	0	0-3	3
16.90	17.04	16.94	18.2	64QAM	3MHz	8	3	0-3	3
16.84	17.00	16.94	18.2	64QAM	3MHz	8	7	0-3	3
16.76	17.08	16.93	18.2	64QAM	3MHz	15	0	0-3	3
15.07	15.28	15.13	16.2	256QAM	3MHz	1	0	0-5	5
14.96	15.11	14.77	16.2	256QAM	3MHz	1	7	0-5	5
14.85	14.93	15.05	16.2	256QAM	3MHz	1	14	0-5	5
14.84	14.94	14.99	16.2	256QAM	3MHz	8	0	0-5	5
14.83	15.05	14.97	16.2	256QAM	3MHz	8	3	0-5	5
14.86	14.99	14.79	16.2	256QAM	3MHz	8	7	0-5	5
14.89	15.13	14.96	16.2	256QAM	3MHz	15	0	0-5	5

LTE Band 26								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
26697	26865	27033	Channel						
814.7	831.5	848.3	Freq. (MHz)						
20.38	20.54	20.44	21.2	QPSK	1.4MHz	1	0	0	0
20.22	20.35	20.20	21.2	QPSK	1.4MHz	1	2	0	0
20.19	20.25	20.09	21.2	QPSK	1.4MHz	1	5	0	0
19.58	19.76	19.51	21.2	QPSK	1.4MHz	3	0	0	0
19.63	19.73	19.69	21.2	QPSK	1.4MHz	3	1	0	0
19.58	19.64	19.54	21.2	QPSK	1.4MHz	3	3	0	0
19.59	19.83	19.77	20.2	QPSK	1.4MHz	6	0	0-1	1
19.51	19.77	19.58	20.2	16QAM	1.4MHz	1	0	0-1	1
19.55	19.80	19.77	20.2	16QAM	1.4MHz	1	2	0-1	1
19.51	19.70	19.64	20.2	16QAM	1.4MHz	1	5	0-1	1
18.51	18.79	18.73	20.2	16QAM	1.4MHz	3	0	0-1	1
18.59	18.77	18.48	20.2	16QAM	1.4MHz	3	1	0-1	1
18.53	18.71	18.42	20.2	16QAM	1.4MHz	3	3	0-1	1
18.39	18.78	18.71	19.2	16QAM	1.4MHz	6	0	0-2	2
18.29	18.52	18.45	19.2	64QAM	1.4MHz	1	0	0-2	2
18.21	18.45	18.32	19.2	64QAM	1.4MHz	1	2	0-2	2
18.35	18.38	18.30	19.2	64QAM	1.4MHz	1	5	0-2	2
17.40	17.60	17.54	19.2	64QAM	1.4MHz	3	0	0-2	2
17.49	17.57	17.46	19.2	64QAM	1.4MHz	3	1	0-2	2
17.31	17.48	17.50	19.2	64QAM	1.4MHz	3	3	0-2	2
17.25	17.58	17.42	18.2	64QAM	1.4MHz	6	0	0-3	3
15.57	15.76	15.54	16.2	256QAM	1.4MHz	1	0	0-5	5
15.42	15.63	15.37	16.2	256QAM	1.4MHz	1	2	0-5	5
15.36	15.52	15.51	16.2	256QAM	1.4MHz	1	5	0-5	5
15.31	15.52	15.43	16.2	256QAM	1.4MHz	3	0	0-5	5
15.37	15.53	15.55	16.2	256QAM	1.4MHz	3	1	0-5	5
15.35	15.46	15.28	16.2	256QAM	1.4MHz	3	3	0-5	5
15.37	15.62	15.43	16.2	256QAM	1.4MHz	6	0	0-5	5

LTE Band 38								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
37850	38000	38150	Channel						
2580	2595	2610	Freq. (MHz)						
17.61	17.75	17.55	18	QPSK	20MHz	1	0	0	0
17.38	17.52	17.40	18	QPSK	20MHz	1	49	0	0
17.31	17.45	17.21	18	QPSK	20MHz	1	99	0	0
16.30	16.43	16.15	17	QPSK	20MHz	50	0	0-1	1
16.27	16.38	16.32	17	QPSK	20MHz	50	25	0-1	1
16.29	16.33	16.24	17	QPSK	20MHz	50	50	0-1	1
16.31	16.46	16.39	17	QPSK	20MHz	100	0	0-1	1
16.15	16.45	16.23	17	16QAM	20MHz	1	0	0-1	1
16.19	16.38	16.33	17	16QAM	20MHz	1	49	0-1	1
16.15	16.38	16.25	17	16QAM	20MHz	1	99	0-1	1
15.11	15.49	15.34	16	16QAM	20MHz	50	0	0-2	2
15.27	15.42	15.09	16	16QAM	20MHz	50	25	0-2	2
15.07	15.35	15.05	16	16QAM	20MHz	50	50	0-2	2
15.53	15.73	15.67	16	16QAM	20MHz	100	0	0-2	2
15.39	15.62	15.59	16	64QAM	20MHz	1	0	0-2	2
15.35	15.49	15.51	16	64QAM	20MHz	1	49	0-2	2
15.45	15.43	15.51	16	64QAM	20MHz	1	99	0-2	2
14.51	14.70	14.58	15	64QAM	20MHz	50	0	0-3	3
14.61	14.66	14.52	15	64QAM	20MHz	50	25	0-3	3
14.44	14.59	14.57	15	64QAM	20MHz	50	50	0-3	3
14.44	14.67	14.49	15	64QAM	20MHz	100	0	0-3	3
12.69	12.61	12.69	13	256QAM	20MHz	1	0	0-5	5
12.56	12.73	12.42	13	256QAM	20MHz	1	49	0-5	5
12.47	12.61	12.66	13	256QAM	20MHz	1	99	0-5	5
12.50	12.62	12.58	13	256QAM	20MHz	50	0	0-5	5
12.42	12.68	12.57	13	256QAM	20MHz	50	25	0-5	5
12.52	12.61	12.42	13	256QAM	20MHz	50	50	0-5	5
12.54	12.68	12.50	13	256QAM	20MHz	100	0	0-5	5

LTE Band 38								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
37825	38000	38175	Channel						
2577.5	2595	2612.5	Freq. (MHz)						
17.56	17.69	17.52	18	QPSK	15MHz	1	0	0	0
17.33	17.48	17.33	18	QPSK	15MHz	1	37	0	0
17.26	17.38	17.13	18	QPSK	15MHz	1	74	0	0
16.26	16.33	16.14	17	QPSK	15MHz	36	0	0-1	1
16.18	16.28	16.31	17	QPSK	15MHz	36	19	0-1	1
16.27	16.27	16.14	17	QPSK	15MHz	36	39	0-1	1
16.24	16.42	16.29	17	QPSK	15MHz	75	0	0-1	1
16.14	16.39	16.13	17	16QAM	15MHz	1	0	0-1	1
16.19	16.38	16.30	17	16QAM	15MHz	1	37	0-1	1
16.10	16.29	16.22	17	16QAM	15MHz	1	74	0-1	1
15.05	15.44	15.33	16	16QAM	15MHz	36	0	0-2	2
15.24	15.38	15.05	16	16QAM	15MHz	36	19	0-2	2
14.98	15.32	14.98	16	16QAM	15MHz	36	39	0-2	2
15.50	15.63	15.59	16	16QAM	15MHz	75	0	0-2	2
15.39	15.61	15.55	16	64QAM	15MHz	1	0	0-2	2
15.34	15.45	15.44	16	64QAM	15MHz	1	37	0-2	2
15.39	15.43	15.50	16	64QAM	15MHz	1	74	0-2	2
14.51	14.62	14.53	15	64QAM	15MHz	36	0	0-3	3
14.58	14.61	14.45	15	64QAM	15MHz	36	19	0-3	3
14.35	14.50	14.48	15	64QAM	15MHz	36	39	0-3	3
14.44	14.67	14.41	15	64QAM	15MHz	75	0	0-3	3
12.59	12.61	12.66	13	256QAM	15MHz	1	0	0-5	5
12.50	12.63	12.41	13	256QAM	15MHz	1	37	0-5	5
12.47	12.53	12.59	13	256QAM	15MHz	1	74	0-5	5
12.50	12.58	12.51	13	256QAM	15MHz	36	0	0-5	5
12.38	12.63	12.53	13	256QAM	15MHz	36	19	0-5	5
12.45	12.54	12.38	13	256QAM	15MHz	36	39	0-5	5
12.51	12.62	12.47	13	256QAM	15MHz	75	0	0-5	5

LTE Band 38								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
37800	38000	38200	Channel						
2575	2595	2615	Freq. (MHz)						
17.53	17.71	17.51	18	QPSK	10MHz	1	0	0	0
17.35	17.50	17.34	18	QPSK	10MHz	1	24	0	0
17.29	17.37	17.21	18	QPSK	10MHz	1	49	0	0
16.25	16.33	16.07	17	QPSK	10MHz	25	0	0-1	1
16.21	16.33	16.32	17	QPSK	10MHz	25	12	0-1	1
16.21	16.24	16.15	17	QPSK	10MHz	25	25	0-1	1
16.21	16.45	16.37	17	QPSK	10MHz	50	0	0-1	1
16.15	16.45	16.19	17	16QAM	10MHz	1	0	0-1	1
16.09	16.36	16.25	17	16QAM	10MHz	1	24	0-1	1
16.10	16.36	16.24	17	16QAM	10MHz	1	49	0-1	1
15.03	15.48	15.33	16	16QAM	10MHz	25	0	0-2	2
15.21	15.40	15.04	16	16QAM	10MHz	25	12	0-2	2
14.99	15.25	15.02	16	16QAM	10MHz	25	25	0-2	2
15.45	15.70	15.67	16	16QAM	10MHz	50	0	0-2	2
15.36	15.55	15.54	16	64QAM	10MHz	1	0	0-2	2
15.35	15.40	15.51	16	64QAM	10MHz	1	24	0-2	2
15.35	15.38	15.42	16	64QAM	10MHz	1	49	0-2	2
14.43	14.69	14.58	15	64QAM	10MHz	25	0	0-3	3
14.56	14.66	14.45	15	64QAM	10MHz	25	12	0-3	3
14.38	14.57	14.57	15	64QAM	10MHz	25	25	0-3	3
14.44	14.63	14.46	15	64QAM	10MHz	50	0	0-3	3
12.60	12.61	12.60	13	256QAM	10MHz	1	0	0-5	5
12.48	12.70	12.38	13	256QAM	10MHz	1	24	0-5	5
12.46	12.57	12.65	13	256QAM	10MHz	1	49	0-5	5
12.43	12.54	12.58	13	256QAM	10MHz	25	0	0-5	5
12.38	12.68	12.50	13	256QAM	10MHz	25	12	0-5	5
12.44	12.52	12.39	13	256QAM	10MHz	25	25	0-5	5
12.51	12.61	12.48	13	256QAM	10MHz	50	0	0-5	5

LTE Band 38								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
37775	38000	38225	Channel						
2572.5	2595	2617.5	Freq. (MHz)						
17.54	17.68	17.52	18	QPSK	5MHz	1	0	0	0
17.36	17.52	17.31	18	QPSK	5MHz	1	12	0	0
17.30	17.44	17.15	18	QPSK	5MHz	1	24	0	0
16.29	16.43	16.12	17	QPSK	5MHz	12	0	0-1	1
16.22	16.31	16.29	17	QPSK	5MHz	12	6	0-1	1
16.26	16.26	16.18	17	QPSK	5MHz	12	13	0-1	1
16.29	16.44	16.29	17	QPSK	5MHz	25	0	0-1	1
16.05	16.41	16.18	17	16QAM	5MHz	1	0	0-1	1
16.13	16.32	16.25	17	16QAM	5MHz	1	12	0-1	1
16.06	16.37	16.18	17	16QAM	5MHz	1	24	0-1	1
15.04	15.44	15.34	16	16QAM	5MHz	12	0	0-2	2
15.17	15.38	15.03	16	16QAM	5MHz	12	6	0-2	2
15.04	15.27	15.00	16	16QAM	5MHz	12	13	0-2	2
15.45	15.69	15.65	16	16QAM	5MHz	25	0	0-2	2
15.35	15.55	15.52	16	64QAM	5MHz	1	0	0-2	2
15.35	15.45	15.41	16	64QAM	5MHz	1	12	0-2	2
15.41	15.35	15.47	16	64QAM	5MHz	1	24	0-2	2
14.51	14.68	14.53	15	64QAM	5MHz	12	0	0-3	3
14.52	14.64	14.43	15	64QAM	5MHz	12	6	0-3	3
14.42	14.50	14.50	15	64QAM	5MHz	12	13	0-3	3
14.38	14.58	14.46	15	64QAM	5MHz	25	0	0-3	3
12.62	12.54	12.61	13	256QAM	5MHz	1	0	0-5	5
12.49	12.69	12.33	13	256QAM	5MHz	1	12	0-5	5
12.39	12.58	12.59	13	256QAM	5MHz	1	24	0-5	5
12.48	12.59	12.54	13	256QAM	5MHz	12	0	0-5	5
12.40	12.59	12.51	13	256QAM	5MHz	12	6	0-5	5
12.43	12.51	12.39	13	256QAM	5MHz	12	13	0-5	5
12.49	12.59	12.48	13	256QAM	5MHz	25	0	0-5	5

LTE Band 41_PC3													
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
39750	40185	40620	41055	41490	Channel								
2506	2549.5	2593	2636.5	2680	Freq. (MHz)								
15.00	15.36	15.50	15.48	15.45	15.5	QPSK	20MHz	1	0	0	0		
14.91	15.34	15.35	15.36	15.24	15.5	QPSK	20MHz	1	49	0	0		
14.94	15.25	15.25	15.28	15.16	15.5	QPSK	20MHz	1	99	0	0		
13.86	14.40	14.44	14.43	14.18	14.5	QPSK	20MHz	50	0	0-1	1		
13.79	14.32	14.31	14.26	14.17	14.5	QPSK	20MHz	50	25	0-1	1		
13.87	14.30	14.34	14.28	14.13	14.5	QPSK	20MHz	50	50	0-1	1		
13.88	14.42	14.42	14.38	14.34	14.5	QPSK	20MHz	100	0	0-1	1		
13.84	14.33	14.28	14.33	14.24	14.5	16QAM	20MHz	1	0	0-1	1		
13.82	14.28	14.28	14.35	14.30	14.5	16QAM	20MHz	1	49	0-1	1		
13.78	14.29	14.27	14.32	14.20	14.5	16QAM	20MHz	1	99	0-1	1		
12.90	13.37	13.40	13.28	13.25	13.5	16QAM	20MHz	50	0	0-2	2		
12.74	13.23	13.21	13.35	13.18	13.5	16QAM	20MHz	50	25	0-2	2		
12.73	13.22	13.23	13.31	13.16	13.5	16QAM	20MHz	50	50	0-2	2		
12.91	13.38	13.37	13.29	13.33	13.5	16QAM	20MHz	100	0	0-2	2		
12.67	13.15	13.09	13.21	13.11	13.5	64QAM	20MHz	1	0	0-2	2		
12.62	13.03	13.06	13.02	13.00	13.5	64QAM	20MHz	1	49	0-2	2		
12.53	13.04	13.10	13.06	12.89	13.5	64QAM	20MHz	1	99	0-2	2		
11.62	12.07	12.13	12.11	12.08	12.5	64QAM	20MHz	50	0	0-3	3		
11.63	12.20	12.12	12.18	12.04	12.5	64QAM	20MHz	50	25	0-3	3		
11.58	12.08	12.07	12.08	11.93	12.5	64QAM	20MHz	50	50	0-3	3		
11.73	12.22	12.19	12.19	12.04	12.5	64QAM	20MHz	100	0	0-3	3		
9.67	10.19	10.09	10.25	10.17	10.5	256QAM	20MHz	1	0	0-5	5		
9.69	10.10	10.14	10.10	9.99	10.5	256QAM	20MHz	1	49	0-5	5		
9.66	10.06	10.11	10.06	9.98	10.5	256QAM	20MHz	1	99	0-5	5		
9.57	10.03	10.03	10.10	9.99	10.5	256QAM	20MHz	50	0	0-5	5		
9.55	9.94	9.94	10.10	9.84	10.5	256QAM	20MHz	50	25	0-5	5		
9.48	10.01	9.99	10.03	9.84	10.5	256QAM	20MHz	50	50	0-5	5		
9.59	10.04	10.07	10.18	10.02	10.5	256QAM	20MHz	100	0	0-5	5		

LTE Band 41_PC3												
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
39725	40173	40620	41068	41515	Channel							
2503.5	2548.3	2593	2637.8	2682.5	Freq. (MHz)							
14.98	15.31	15.41	15.39	15.36	15.5	QPSK	15MHz	1	0	0	0	
14.88	15.27	15.25	15.32	15.16	15.5	QPSK	15MHz	1	37	0	0	
14.93	15.24	15.18	15.19	15.11	15.5	QPSK	15MHz	1	74	0	0	
13.82	14.35	14.37	14.37	14.17	14.5	QPSK	15MHz	36	0	0-1	1	
13.75	14.26	14.31	14.26	14.09	14.5	QPSK	15MHz	36	19	0-1	1	
13.80	14.23	14.30	14.23	14.06	14.5	QPSK	15MHz	36	39	0-1	1	
13.87	14.42	14.32	14.31	14.32	14.5	QPSK	15MHz	75	0	0-1	1	
13.74	14.33	14.21	14.30	14.19	14.5	16QAM	15MHz	1	0	0-1	1	
13.73	14.18	14.21	14.31	14.26	14.5	16QAM	15MHz	1	37	0-1	1	
13.75	14.20	14.24	14.23	14.16	14.5	16QAM	15MHz	1	74	0-1	1	
12.86	13.28	13.40	13.25	13.24	13.5	16QAM	15MHz	36	0	0-2	2	
12.66	13.13	13.12	13.32	13.11	13.5	16QAM	15MHz	36	19	0-2	2	
12.66	13.21	13.20	13.28	13.09	13.5	16QAM	15MHz	36	39	0-2	2	
12.85	13.31	13.34	13.27	13.23	13.5	16QAM	15MHz	75	0	0-2	2	
12.65	13.12	13.05	13.19	13.05	13.5	64QAM	15MHz	1	0	0-2	2	
12.53	13.02	13.02	13.01	12.93	13.5	64QAM	15MHz	1	37	0-2	2	
12.45	12.97	13.03	13.03	12.80	13.5	64QAM	15MHz	1	74	0-2	2	
11.62	11.99	12.03	12.07	12.07	12.5	64QAM	15MHz	36	0	0-3	3	
11.61	12.20	12.09	12.16	11.95	12.5	64QAM	15MHz	36	19	0-3	3	
11.56	11.99	12.00	12.07	11.92	12.5	64QAM	15MHz	36	39	0-3	3	
11.64	12.19	12.14	12.17	12.00	12.5	64QAM	15MHz	75	0	0-3	3	
9.70	10.16	10.10	10.28	10.16	10.5	256QAM	15MHz	1	0	0-5	5	
9.75	10.11	10.18	10.09	10.06	10.5	256QAM	15MHz	1	37	0-5	5	
9.60	10.03	10.11	9.97	9.97	10.5	256QAM	15MHz	1	74	0-5	5	
9.57	10.00	10.07	10.05	10.06	10.5	256QAM	15MHz	36	0	0-5	5	
9.55	10.00	9.97	10.10	9.84	10.5	256QAM	15MHz	36	19	0-5	5	
9.49	9.96	10.00	10.02	9.88	10.5	256QAM	15MHz	36	39	0-5	5	
9.64	10.09	10.05	10.11	9.99	10.5	256QAM	15MHz	75	0	0-5	5	

LTE Band 41_PC3												
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
39700	40160	40620	41080	41540	Channel							
2501	2547	2593	2639	2685	Freq. (MHz)							
14.96	15.31	15.42	15.39	15.36	15.5	QPSK	10MHz	1	0	0	0	
14.91	15.24	15.25	15.30	15.22	15.5	QPSK	10MHz	1	24	0	0	
14.86	15.15	15.20	15.28	15.13	15.5	QPSK	10MHz	1	49	0	0	
13.77	14.32	14.35	14.33	14.18	14.5	QPSK	10MHz	25	0	0-1	1	
13.71	14.22	14.21	14.23	14.08	14.5	QPSK	10MHz	25	12	0-1	1	
13.81	14.28	14.30	14.18	14.04	14.5	QPSK	10MHz	25	25	0-1	1	
13.79	14.38	14.39	14.35	14.29	14.5	QPSK	10MHz	50	0	0-1	1	
13.84	14.29	14.27	14.23	14.15	14.5	16QAM	10MHz	1	0	0-1	1	
13.73	14.23	14.19	14.33	14.30	14.5	16QAM	10MHz	1	24	0-1	1	
13.69	14.21	14.26	14.32	14.17	14.5	16QAM	10MHz	1	49	0-1	1	
12.84	13.27	13.30	13.22	13.20	13.5	16QAM	10MHz	25	0	0-2	2	
12.67	13.19	13.19	13.25	13.18	13.5	16QAM	10MHz	25	12	0-2	2	
12.66	13.20	13.20	13.25	13.09	13.5	16QAM	10MHz	25	25	0-2	2	
12.84	13.38	13.33	13.25	13.25	13.5	16QAM	10MHz	50	0	0-2	2	
12.62	13.12	13.03	13.19	13.02	13.5	64QAM	10MHz	1	0	0-2	2	
12.52	13.00	12.99	13.02	12.95	13.5	64QAM	10MHz	1	24	0-2	2	
12.45	12.94	13.10	12.97	12.86	13.5	64QAM	10MHz	1	49	0-2	2	
11.56	12.03	12.05	12.03	12.01	12.5	64QAM	10MHz	25	0	0-3	3	
11.57	12.12	12.11	12.13	11.96	12.5	64QAM	10MHz	25	12	0-3	3	
11.50	11.99	12.07	12.08	11.89	12.5	64QAM	10MHz	25	25	0-3	3	
11.71	12.13	12.10	12.17	11.94	12.5	64QAM	10MHz	50	0	0-3	3	
9.73	10.21	10.09	10.27	10.16	10.5	256QAM	10MHz	1	0	0-5	5	
9.69	10.11	10.18	10.16	10.00	10.5	256QAM	10MHz	1	24	0-5	5	
9.64	10.13	10.11	10.02	9.96	10.5	256QAM	10MHz	1	49	0-5	5	
9.54	10.01	10.03	10.04	10.00	10.5	256QAM	10MHz	25	0	0-5	5	
9.52	9.94	9.92	10.12	9.82	10.5	256QAM	10MHz	25	12	0-5	5	
9.56	10.00	9.99	10.00	9.88	10.5	256QAM	10MHz	25	25	0-5	5	
9.65	10.07	10.01	10.12	9.99	10.5	256QAM	10MHz	50	0	0-5	5	

LTE Band 41_PC3											MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
39675	40148	40620	41093	41565	Channel							
2498.5	2545.8	2593	2640.3	2687.5	Freq. (MHz)							
14.91	15.34	15.44	15.43	15.35	15.5	QPSK	5MHz	1	0	0	0	
14.82	15.28	15.26	15.33	15.20	15.5	QPSK	5MHz	1	12	0	0	
14.87	15.18	15.20	15.26	15.11	15.5	QPSK	5MHz	1	24	0	0	
13.86	14.30	14.41	14.34	14.18	14.5	QPSK	5MHz	12	0	0-1	1	
13.72	14.27	14.22	14.17	14.08	14.5	QPSK	5MHz	12	6	0-1	1	
13.78	14.24	14.27	14.25	14.06	14.5	QPSK	5MHz	12	13	0-1	1	
13.86	14.37	14.33	14.28	14.33	14.5	QPSK	5MHz	25	0	0-1	1	
13.80	14.33	14.18	14.26	14.17	14.5	16QAM	5MHz	1	0	0-1	1	
13.80	14.23	14.20	14.25	14.29	14.5	16QAM	5MHz	1	12	0-1	1	
13.68	14.26	14.27	14.29	14.11	14.5	16QAM	5MHz	1	24	0-1	1	
12.85	13.30	13.31	13.23	13.24	13.5	16QAM	5MHz	12	0	0-2	2	
12.69	13.20	13.17	13.35	13.16	13.5	16QAM	5MHz	12	6	0-2	2	
12.65	13.18	13.23	13.24	13.07	13.5	16QAM	5MHz	12	13	0-2	2	
12.91	13.28	13.37	13.28	13.32	13.5	16QAM	5MHz	25	0	0-2	2	
12.66	13.10	13.04	13.18	13.05	13.5	64QAM	5MHz	1	0	0-2	2	
12.55	13.02	13.00	12.96	12.92	13.5	64QAM	5MHz	1	12	0-2	2	
12.49	12.97	13.05	13.00	12.89	13.5	64QAM	5MHz	1	24	0-2	2	
11.57	12.01	12.09	12.09	12.02	12.5	64QAM	5MHz	12	0	0-3	3	
11.62	12.11	12.09	12.08	12.00	12.5	64QAM	5MHz	12	6	0-3	3	
11.56	12.03	11.98	12.08	11.93	12.5	64QAM	5MHz	12	13	0-3	3	
11.64	12.22	12.09	12.15	11.99	12.5	64QAM	5MHz	25	0	0-3	3	
9.71	10.14	10.13	10.23	10.13	10.5	256QAM	5MHz	1	0	0-5	5	
9.78	10.17	10.23	10.14	9.98	10.5	256QAM	5MHz	1	12	0-5	5	
9.61	10.13	10.05	10.03	9.91	10.5	256QAM	5MHz	1	24	0-5	5	
9.60	10.05	10.04	10.10	10.06	10.5	256QAM	5MHz	12	0	0-5	5	
9.51	9.92	10.02	10.08	9.83	10.5	256QAM	5MHz	12	6	0-5	5	
9.47	9.93	10.04	9.96	9.85	10.5	256QAM	5MHz	12	13	0-5	5	
9.58	10.11	10.10	10.17	10.02	10.5	256QAM	5MHz	25	0	0-5	5	

LTE Band 41_PC2											MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
39750	40185	40620	41055	41490	Channel							
2506	2549.5	2593	2636.5	2680	Freq. (MHz)							
15.85	15.92	16.30	16.28	16.26	16.3	QPSK	20MHz	1	0	0	0	
15.72	15.83	16.27	16.20	15.89	16.3	QPSK	20MHz	1	49	0	0	
15.68	15.80	16.22	16.18	15.81	16.3	QPSK	20MHz	1	99	0	0	
14.69	15.13	15.17	15.09	14.81	15.3	QPSK	20MHz	50	0	0-1	1	
14.64	15.01	14.95	14.99	14.82	15.3	QPSK	20MHz	50	25	0-1	1	
14.57	14.98	15.04	14.98	14.83	15.3	QPSK	20MHz	50	50	0-1	1	
14.50	15.07	15.15	15.07	15.04	15.3	QPSK	20MHz	100	0	0-1	1	
14.47	14.99	15.01	15.02	14.97	15.3	16QAM	20MHz	1	0	0-1	1	
14.53	14.92	14.94	15.07	14.96	15.3	16QAM	20MHz	1	49	0-1	1	
14.44	14.95	14.92	15.03	14.91	15.3	16QAM	20MHz	1	99	0-1	1	
13.56	14.09	14.08	14.01	13.90	14.3	16QAM	20MHz	50	0	0-2	2	
13.44	13.88	13.85	13.98	13.81	14.3	16QAM	20MHz	50	25	0-2	2	
13.40	13.88	13.93	13.96	13.84	14.3	16QAM	20MHz	50	50	0-2	2	
13.57	14.10	14.08	14.01	14.05	14.3	16QAM	20MHz	100	0	0-2	2	
13.32	13.86	13.79	13.87	13.84	14.3	64QAM	20MHz	1	0	0-2	2	
13.26	13.70	13.75	13.67	13.71	14.3	64QAM	20MHz	1	49	0-2	2	
13.28	13.69	13.76	13.79	13.57	14.3	64QAM	20MHz	1	99	0-2	2	
12.38	12.78	12.77	12.80	12.75	13.3	64QAM	20MHz	50	0	0-3	3	
12.32	12.90	12.82	12.86	12.76	13.3	64QAM	20MHz	50	25	0-3	3	
12.26	12.71	12.77	12.77	12.58	13.3	64QAM	20MHz	50	50	0-3	3	
12.45	12.91	12.89	12.82	12.77	13.3	64QAM	20MHz	100	0	0-3	3	
10.98	10.90	10.85	10.95	10.84	11.3	256QAM	20MHz	1	0	0-5	5	
10.88	10.87	10.85	10.76	10.59	11.3	256QAM	20MHz	1	49	0-5	5	
11.04	10.72	10.76	10.67	10.68	11.3	256QAM	20MHz	1	99	0-5	5	
11.03	10.73	10.73	10.81	10.68	11.3	256QAM	20MHz	50	0	0-5	5	
10.93	10.71	10.68	10.74	10.53	11.3	256QAM	20MHz	50	25	0-5	5	
10.97	10.63	10.61	10.66	10.53	11.3	256QAM	20MHz	50	50	0-5	5	
11.03	10.81	10.73	10.82	10.62	11.3	256QAM	20MHz	100	0	0-5	5	

LTE Band 41_PC2											MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
39725	40173	40620	41068	41515	Channel							
2503.5	2548.3	2593	2637.8	2682.5	Freq. (MHz)							
15.79	15.90	16.28	16.26	16.19	16.3	QPSK	15MHz	1	0	0	0	
15.72	15.79	16.25	16.16	15.83	16.3	QPSK	15MHz	1	37	0	0	
15.63	15.72	16.14	16.16	15.80	16.3	QPSK	15MHz	1	74	0	0	
14.67	15.06	15.11	15.07	14.75	15.3	QPSK	15MHz	36	0	0-1	1	
14.57	14.95	14.85	14.89	14.80	15.3	QPSK	15MHz	36	19	0-1	1	
14.51	14.91	14.95	14.96	14.79	15.3	QPSK	15MHz	36	39	0-1	1	
14.43	15.07	15.09	15.05	15.03	15.3	QPSK	15MHz	75	0	0-1	1	
14.37	14.94	15.01	14.96	14.93	15.3	16QAM	15MHz	1	0	0-1	1	
14.44	14.84	14.90	15.04	14.96	15.3	16QAM	15MHz	1	37	0-1	1	
14.41	14.91	14.83	14.93	14.82	15.3	16QAM	15MHz	1	74	0-1	1	
13.48	14.04	14.01	13.99	13.87	14.3	16QAM	15MHz	36	0	0-2	2	
13.38	13.83	13.82	13.96	13.73	14.3	16QAM	15MHz	36	19	0-2	2	
13.40	13.82	13.93	13.88	13.76	14.3	16QAM	15MHz	36	39	0-2	2	
13.57	14.07	14.08	14.01	14.05	14.3	16QAM	15MHz	75	0	0-2	2	
13.28	13.78	13.69	13.82	13.75	14.3	64QAM	15MHz	1	0	0-2	2	
13.26	13.70	13.69	13.63	13.68	14.3	64QAM	15MHz	1	37	0-2	2	
13.20	13.59	13.76	13.79	13.57	14.3	64QAM	15MHz	1	74	0-2	2	
12.37	12.72	12.73	12.74	12.68	13.3	64QAM	15MHz	36	0	0-3	3	
12.23	12.87	12.81	12.84	12.69	13.3	64QAM	15MHz	36	19	0-3	3	
12.19	12.61	12.69	12.76	12.56	13.3	64QAM	15MHz	36	39	0-3	3	
12.36	12.91	12.79	12.75	12.73	13.3	64QAM	15MHz	75	0	0-3	3	
11.02	10.90	10.85	10.87	10.85	11.3	256QAM	15MHz	1	0	0-5	5	
10.88	10.81	10.89	10.79	10.65	11.3	256QAM	15MHz	1	37	0-5	5	
10.99	10.68	10.76	10.71	10.68	11.3	256QAM	15MHz	1	74	0-5	5	
11.04	10.73	10.72	10.84	10.67	11.3	256QAM	15MHz	36	0	0-5	5	
10.95	10.68	10.64	10.77	10.57	11.3	256QAM	15MHz	36	19	0-5	5	
10.97	10.58	10.65	10.68	10.51	11.3	256QAM	15MHz	36	39	0-5	5	
10.98	10.85	10.66	10.87	10.71	11.3	256QAM	15MHz	75	0	0-5	5	

LTE Band 41_PC2												
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
39700	40160	40620	41080	41540	Channel							
2501	2547	2593	2639	2685	Freq. (MHz)							
15.78	15.91	16.26	16.18	16.17	16.3	QPSK	10MHz	1	0	0	0	
15.68	15.79	16.27	16.15	15.86	16.3	QPSK	10MHz	1	24	0	0	
15.65	15.75	16.17	16.13	15.72	16.3	QPSK	10MHz	1	49	0	0	
14.60	15.11	15.11	15.08	14.75	15.3	QPSK	10MHz	25	0	0-1	1	
14.58	15.00	14.87	14.99	14.73	15.3	QPSK	10MHz	25	12	0-1	1	
14.48	14.95	15.03	14.90	14.78	15.3	QPSK	10MHz	25	25	0-1	1	
14.42	15.05	15.08	15.02	14.96	15.3	QPSK	10MHz	50	0	0-1	1	
14.47	14.94	14.96	14.92	14.92	15.3	16QAM	10MHz	1	0	0-1	1	
14.49	14.92	14.89	14.99	14.86	15.3	16QAM	10MHz	1	24	0-1	1	
14.38	14.95	14.89	14.93	14.82	15.3	16QAM	10MHz	1	49	0-1	1	
13.46	14.03	14.04	13.98	13.89	14.3	16QAM	10MHz	25	0	0-2	2	
13.44	13.86	13.82	13.96	13.78	14.3	16QAM	10MHz	25	12	0-2	2	
13.34	13.85	13.87	13.87	13.76	14.3	16QAM	10MHz	25	25	0-2	2	
13.56	14.04	14.04	13.99	13.95	14.3	16QAM	10MHz	50	0	0-2	2	
13.23	13.79	13.77	13.84	13.80	14.3	64QAM	10MHz	1	0	0-2	2	
13.22	13.67	13.68	13.57	13.68	14.3	64QAM	10MHz	1	24	0-2	2	
13.28	13.67	13.72	13.71	13.48	14.3	64QAM	10MHz	1	49	0-2	2	
12.38	12.73	12.68	12.80	12.73	13.3	64QAM	10MHz	25	0	0-3	3	
12.25	12.80	12.74	12.80	12.70	13.3	64QAM	10MHz	25	12	0-3	3	
12.22	12.62	12.68	12.73	12.50	13.3	64QAM	10MHz	25	25	0-3	3	
12.36	12.90	12.88	12.82	12.76	13.3	64QAM	10MHz	50	0	0-3	3	
10.99	10.82	10.84	10.95	10.78	11.3	256QAM	10MHz	1	0	0-5	5	
10.97	10.89	10.91	10.81	10.61	11.3	256QAM	10MHz	1	24	0-5	5	
11.03	10.71	10.75	10.72	10.68	11.3	256QAM	10MHz	1	49	0-5	5	
11.06	10.75	10.68	10.76	10.63	11.3	256QAM	10MHz	25	0	0-5	5	
10.90	10.66	10.61	10.77	10.60	11.3	256QAM	10MHz	25	12	0-5	5	
10.99	10.60	10.65	10.75	10.56	11.3	256QAM	10MHz	25	25	0-5	5	
11.02	10.83	10.67	10.84	10.66	11.3	256QAM	10MHz	50	0	0-5	5	

LTE Band 41_PC2											MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
39675	40148	40620	41093	41565	Channel							
2498.5	2545.8	2593	2640.3	2687.5	Freq. (MHz)							
15.77	15.92	16.26	16.19	16.18	16.3	QPSK	5MHz	1	0	0	0	
15.72	15.82	16.19	16.20	15.80	16.3	QPSK	5MHz	1	12	0	0	
15.64	15.74	16.20	16.13	15.73	16.3	QPSK	5MHz	1	24	0	0	
14.68	15.10	15.09	15.07	14.71	15.3	QPSK	5MHz	12	0	0-1	1	
14.61	15.00	14.92	14.97	14.72	15.3	QPSK	5MHz	12	6	0-1	1	
14.53	14.96	14.94	14.90	14.77	15.3	QPSK	5MHz	12	13	0-1	1	
14.41	15.00	15.14	15.01	14.96	15.3	QPSK	5MHz	25	0	0-1	1	
14.46	14.97	14.95	15.00	14.87	15.3	16QAM	5MHz	1	0	0-1	1	
14.51	14.90	14.85	15.04	14.90	15.3	16QAM	5MHz	1	12	0-1	1	
14.35	14.86	14.82	14.98	14.87	15.3	16QAM	5MHz	1	24	0-1	1	
13.48	13.99	14.07	13.93	13.80	14.3	16QAM	5MHz	12	0	0-2	2	
13.34	13.86	13.81	13.94	13.78	14.3	16QAM	5MHz	12	6	0-2	2	
13.39	13.80	13.91	13.94	13.76	14.3	16QAM	5MHz	12	13	0-2	2	
13.55	14.09	14.07	13.95	14.05	14.3	16QAM	5MHz	25	0	0-2	2	
13.28	13.85	13.76	13.84	13.77	14.3	64QAM	5MHz	1	0	0-2	2	
13.26	13.66	13.73	13.58	13.70	14.3	64QAM	5MHz	1	12	0-2	2	
13.27	13.69	13.70	13.74	13.48	14.3	64QAM	5MHz	1	24	0-2	2	
12.32	12.75	12.74	12.71	12.74	13.3	64QAM	5MHz	12	0	0-3	3	
12.23	12.89	12.76	12.85	12.66	13.3	64QAM	5MHz	12	6	0-3	3	
12.16	12.68	12.72	12.73	12.53	13.3	64QAM	5MHz	12	13	0-3	3	
12.40	12.91	12.83	12.73	12.74	13.3	64QAM	5MHz	25	0	0-3	3	
11.04	10.91	10.89	10.97	10.80	11.3	256QAM	5MHz	1	0	0-5	5	
10.94	10.81	10.85	10.85	10.69	11.3	256QAM	5MHz	1	12	0-5	5	
10.98	10.70	10.77	10.69	10.73	11.3	256QAM	5MHz	1	24	0-5	5	
11.02	10.80	10.66	10.75	10.73	11.3	256QAM	5MHz	12	0	0-5	5	
10.98	10.71	10.65	10.80	10.56	11.3	256QAM	5MHz	12	6	0-5	5	
10.96	10.58	10.63	10.75	10.51	11.3	256QAM	5MHz	12	13	0-5	5	
11.02	10.75	10.68	10.80	10.70	11.3	256QAM	5MHz	25	0	0-5	5	

LTE Band 42								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
43190	43340	43490	Channel							
3560	3575	3590	Freq. (MHz)							
15.61	15.53	15.69	15.7	QPSK	20MHz	1	0	0	0	
15.52	15.48	15.54	15.7	QPSK	20MHz	1	49	0	0	
15.42	15.37	15.45	15.7	QPSK	20MHz	1	99	0	0	
14.60	14.43	14.61	14.7	QPSK	20MHz	50	0	0-1	1	
14.50	14.40	14.48	14.7	QPSK	20MHz	50	25	0-1	1	
14.55	14.35	14.46	14.7	QPSK	20MHz	50	50	0-1	1	
14.59	14.51	14.63	14.7	QPSK	20MHz	100	0	0-1	1	
14.52	14.49	14.57	14.7	16QAM	20MHz	1	0	0-1	1	
14.54	14.54	14.56	14.7	16QAM	20MHz	1	49	0-1	1	
14.53	14.43	14.58	14.7	16QAM	20MHz	1	99	0-1	1	
13.57	13.44	13.53	13.7	16QAM	20MHz	50	0	0-2	2	
13.46	13.37	13.54	13.7	16QAM	20MHz	50	25	0-2	2	
13.45	13.35	13.48	13.7	16QAM	20MHz	50	50	0-2	2	
13.57	13.52	13.56	13.7	16QAM	20MHz	100	0	0-2	2	
13.36	13.31	13.38	13.7	64QAM	20MHz	1	0	0-2	2	
13.29	13.21	13.28	13.7	64QAM	20MHz	1	49	0-2	2	
13.28	13.15	13.28	13.7	64QAM	20MHz	1	99	0-2	2	
12.34	12.28	12.34	12.7	64QAM	20MHz	50	0	0-3	3	
12.37	12.27	12.39	12.7	64QAM	20MHz	50	25	0-3	3	
12.25	12.19	12.29	12.7	64QAM	20MHz	50	50	0-3	3	
12.42	12.25	12.40	12.7	64QAM	20MHz	100	0	0-3	3	
10.45	10.40	10.50	10.7	256QAM	20MHz	1	0	0-5	5	
10.44	10.29	10.46	10.7	256QAM	20MHz	1	49	0-5	5	
10.34	10.25	10.30	10.7	256QAM	20MHz	1	99	0-5	5	
10.32	10.24	10.36	10.7	256QAM	20MHz	50	0	0-5	5	
10.26	10.17	10.34	10.7	256QAM	20MHz	50	25	0-5	5	
10.23	10.10	10.25	10.7	256QAM	20MHz	50	50	0-5	5	
10.33	10.29	10.40	10.7	256QAM	20MHz	100	0	0-5	5	

LTE Band 42								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
43165	43340	43515	Channel						
3557.5	3575	3592.5	Freq. (MHz)						
15.52	15.53	15.55	15.7	QPSK	15MHz	1	0	0	0
15.48	15.40	15.45	15.7	QPSK	15MHz	1	37	0	0
15.41	15.34	15.43	15.7	QPSK	15MHz	1	74	0	0
14.57	14.39	14.52	14.7	QPSK	15MHz	36	0	0-1	1
14.44	14.40	14.46	14.7	QPSK	15MHz	36	19	0-1	1
14.51	14.33	14.39	14.7	QPSK	15MHz	36	39	0-1	1
14.58	14.48	14.53	14.7	QPSK	15MHz	75	0	0-1	1
14.49	14.48	14.51	14.7	16QAM	15MHz	1	0	0-1	1
14.52	14.49	14.51	14.7	16QAM	15MHz	1	37	0-1	1
14.46	14.42	14.57	14.7	16QAM	15MHz	1	74	0-1	1
13.53	13.37	13.48	13.7	16QAM	15MHz	36	0	0-2	2
13.40	13.27	13.49	13.7	16QAM	15MHz	36	19	0-2	2
13.39	13.26	13.48	13.7	16QAM	15MHz	36	39	0-2	2
13.48	13.42	13.56	13.7	16QAM	15MHz	75	0	0-2	2
13.36	13.25	13.28	13.7	64QAM	15MHz	1	0	0-2	2
13.23	13.14	13.28	13.7	64QAM	15MHz	1	37	0-2	2
13.28	13.11	13.25	13.7	64QAM	15MHz	1	74	0-2	2
12.24	12.20	12.34	12.7	64QAM	15MHz	36	0	0-3	3
12.31	12.17	12.30	12.7	64QAM	15MHz	36	19	0-3	3
12.22	12.17	12.26	12.7	64QAM	15MHz	36	39	0-3	3
12.40	12.16	12.32	12.7	64QAM	15MHz	75	0	0-3	3
10.38	10.33	10.44	10.7	256QAM	15MHz	1	0	0-5	5
10.43	10.20	10.36	10.7	256QAM	15MHz	1	37	0-5	5
10.31	10.19	10.29	10.7	256QAM	15MHz	1	74	0-5	5
10.25	10.19	10.33	10.7	256QAM	15MHz	36	0	0-5	5
10.16	10.12	10.31	10.7	256QAM	15MHz	36	19	0-5	5
10.14	10.00	10.17	10.7	256QAM	15MHz	36	39	0-5	5
10.29	10.20	10.39	10.7	256QAM	15MHz	75	0	0-5	5

LTE Band 42								MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
43140	43340	43540	Channel							
3555	3575	3595	Freq. (MHz)							
15.58	15.51	15.63	15.7	QPSK	10MHz	1	0	0	0	
15.46	15.46	15.46	15.7	QPSK	10MHz	1	24	0	0	
15.38	15.32	15.37	15.7	QPSK	10MHz	1	49	0	0	
14.58	14.41	14.52	14.7	QPSK	10MHz	25	0	0-1	1	
14.49	14.32	14.45	14.7	QPSK	10MHz	25	12	0-1	1	
14.52	14.29	14.46	14.7	QPSK	10MHz	25	25	0-1	1	
14.56	14.49	14.53	14.7	QPSK	10MHz	50	0	0-1	1	
14.50	14.41	14.51	14.7	16QAM	10MHz	1	0	0-1	1	
14.53	14.52	14.56	14.7	16QAM	10MHz	1	24	0-1	1	
14.45	14.40	14.57	14.7	16QAM	10MHz	1	49	0-1	1	
13.53	13.43	13.45	13.7	16QAM	10MHz	25	0	0-2	2	
13.42	13.34	13.52	13.7	16QAM	10MHz	25	12	0-2	2	
13.45	13.32	13.46	13.7	16QAM	10MHz	25	25	0-2	2	
13.49	13.47	13.51	13.7	16QAM	10MHz	50	0	0-2	2	
13.32	13.21	13.37	13.7	64QAM	10MHz	1	0	0-2	2	
13.26	13.19	13.20	13.7	64QAM	10MHz	1	24	0-2	2	
13.24	13.06	13.22	13.7	64QAM	10MHz	1	49	0-2	2	
12.31	12.23	12.34	12.7	64QAM	10MHz	25	0	0-3	3	
12.34	12.18	12.32	12.7	64QAM	10MHz	25	12	0-3	3	
12.24	12.18	12.25	12.7	64QAM	10MHz	25	25	0-3	3	
12.36	12.18	12.36	12.7	64QAM	10MHz	50	0	0-3	3	
10.43	10.31	10.44	10.7	256QAM	10MHz	1	0	0-5	5	
10.38	10.28	10.45	10.7	256QAM	10MHz	1	24	0-5	5	
10.29	10.15	10.28	10.7	256QAM	10MHz	1	49	0-5	5	
10.30	10.16	10.33	10.7	256QAM	10MHz	25	0	0-5	5	
10.25	10.13	10.28	10.7	256QAM	10MHz	25	12	0-5	5	
10.17	10.10	10.16	10.7	256QAM	10MHz	25	25	0-5	5	
10.25	10.28	10.39	10.7	256QAM	10MHz	50	0	0-5	5	

LTE Band 42								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
43115	43340	43565	Channel						
3552.5	3575	3597.5	Freq. (MHz)						
15.60	15.50	15.61	15.7	QPSK	5MHz	1	0	0	0
15.51	15.44	15.52	15.7	QPSK	5MHz	1	12	0	0
15.42	15.28	15.42	15.7	QPSK	5MHz	1	24	0	0
14.55	14.43	14.59	14.7	QPSK	5MHz	12	0	0-1	1
14.46	14.30	14.40	14.7	QPSK	5MHz	12	6	0-1	1
14.47	14.29	14.42	14.7	QPSK	5MHz	12	13	0-1	1
14.55	14.41	14.59	14.7	QPSK	5MHz	25	0	0-1	1
14.42	14.45	14.54	14.7	16QAM	5MHz	1	0	0-1	1
14.47	14.51	14.49	14.7	16QAM	5MHz	1	12	0-1	1
14.43	14.36	14.58	14.7	16QAM	5MHz	1	24	0-1	1
13.57	13.39	13.45	13.7	16QAM	5MHz	12	0	0-2	2
13.41	13.34	13.47	13.7	16QAM	5MHz	12	6	0-2	2
13.36	13.29	13.39	13.7	16QAM	5MHz	12	13	0-2	2
13.49	13.43	13.56	13.7	16QAM	5MHz	25	0	0-2	2
13.30	13.28	13.36	13.7	64QAM	5MHz	1	0	0-2	2
13.23	13.15	13.18	13.7	64QAM	5MHz	1	12	0-2	2
13.21	13.09	13.24	13.7	64QAM	5MHz	1	24	0-2	2
12.33	12.27	12.26	12.7	64QAM	5MHz	12	0	0-3	3
12.37	12.25	12.30	12.7	64QAM	5MHz	12	6	0-3	3
12.16	12.12	12.24	12.7	64QAM	5MHz	12	13	0-3	3
12.38	12.19	12.34	12.7	64QAM	5MHz	25	0	0-3	3
10.38	10.35	10.40	10.7	256QAM	5MHz	1	0	0-5	5
10.39	10.24	10.44	10.7	256QAM	5MHz	1	12	0-5	5
10.26	10.16	10.30	10.7	256QAM	5MHz	1	24	0-5	5
10.30	10.14	10.27	10.7	256QAM	5MHz	12	0	0-5	5
10.19	10.08	10.27	10.7	256QAM	5MHz	12	6	0-5	5
10.17	10.10	10.15	10.7	256QAM	5MHz	12	13	0-5	5
10.33	10.24	10.33	10.7	256QAM	5MHz	25	0	0-5	5

LTE Band 43								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
44190	44340	44490	Channel						
3660	3675	3690	Freq. (MHz)						
17.31	17.40	17.27	17.4	QPSK	20MHz	1	0	0	0
17.22	17.23	17.16	17.4	QPSK	20MHz	1	49	0	0
17.19	17.17	17.11	17.4	QPSK	20MHz	1	99	0	0
16.19	16.27	16.17	16.4	QPSK	20MHz	50	0	0-1	1
16.17	16.03	16.09	16.4	QPSK	20MHz	50	25	0-1	1
16.26	16.00	15.97	16.4	QPSK	20MHz	50	50	0-1	1
16.17	16.20	16.09	16.4	QPSK	20MHz	100	0	0-1	1
16.20	16.19	16.06	16.4	16QAM	20MHz	1	0	0-1	1
16.07	16.22	16.12	16.4	16QAM	20MHz	1	49	0-1	1
16.19	16.09	16.12	16.4	16QAM	20MHz	1	99	0-1	1
15.19	15.20	15.19	15.4	16QAM	20MHz	50	0	0-2	2
15.19	15.04	14.99	15.4	16QAM	20MHz	50	25	0-2	2
15.17	15.04	14.98	15.4	16QAM	20MHz	50	50	0-2	2
15.21	15.20	15.25	15.4	16QAM	20MHz	100	0	0-2	2
14.99	14.93	14.94	15.4	64QAM	20MHz	1	0	0-2	2
15.00	14.93	14.89	15.4	64QAM	20MHz	1	49	0-2	2
14.97	14.88	14.80	15.4	64QAM	20MHz	1	99	0-2	2
14.03	14.01	13.92	14.4	64QAM	20MHz	50	0	0-3	3
14.01	13.94	13.96	14.4	64QAM	20MHz	50	25	0-3	3
13.95	13.94	13.82	14.4	64QAM	20MHz	50	50	0-3	3
14.17	13.91	13.84	14.4	64QAM	20MHz	100	0	0-3	3
12.19	12.09	12.06	12.4	256QAM	20MHz	1	0	0-5	5
12.10	11.93	11.86	12.4	256QAM	20MHz	1	49	0-5	5
11.95	11.86	11.91	12.4	256QAM	20MHz	1	99	0-5	5
11.93	11.87	11.95	12.4	256QAM	20MHz	50	0	0-5	5
11.93	11.87	11.72	12.4	256QAM	20MHz	50	25	0-5	5
11.87	11.72	11.68	12.4	256QAM	20MHz	50	50	0-5	5
11.94	11.92	11.84	12.4	256QAM	20MHz	100	0	0-5	5

LTE Band 43								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
44165	44340	44515	Channel						
3657.5	3675	3692.5	Freq. (MHz)						
17.27	17.35	17.26	17.4	QPSK	15MHz	1	0	0	0
17.18	17.17	17.07	17.4	QPSK	15MHz	1	37	0	0
17.10	17.14	17.07	17.4	QPSK	15MHz	1	74	0	0
16.12	16.20	16.09	16.4	QPSK	15MHz	36	0	0-1	1
16.07	15.96	16.07	16.4	QPSK	15MHz	36	19	0-1	1
16.17	16.00	15.91	16.4	QPSK	15MHz	36	39	0-1	1
16.08	16.20	16.07	16.4	QPSK	15MHz	75	0	0-1	1
16.11	16.15	16.02	16.4	16QAM	15MHz	1	0	0-1	1
16.02	16.14	16.09	16.4	16QAM	15MHz	1	37	0-1	1
16.16	16.07	16.05	16.4	16QAM	15MHz	1	74	0-1	1
15.12	15.16	15.12	15.4	16QAM	15MHz	36	0	0-2	2
15.19	14.99	14.92	15.4	16QAM	15MHz	36	19	0-2	2
15.10	14.97	14.96	15.4	16QAM	15MHz	36	39	0-2	2
15.20	15.12	15.20	15.4	16QAM	15MHz	75	0	0-2	2
14.89	14.87	14.90	15.4	64QAM	15MHz	1	0	0-2	2
14.91	14.90	14.83	15.4	64QAM	15MHz	1	37	0-2	2
14.96	14.81	14.70	15.4	64QAM	15MHz	1	74	0-2	2
13.96	13.97	13.86	14.4	64QAM	15MHz	36	0	0-3	3
13.97	13.92	13.91	14.4	64QAM	15MHz	36	19	0-3	3
13.89	13.84	13.77	14.4	64QAM	15MHz	36	39	0-3	3
14.11	13.86	13.80	14.4	64QAM	15MHz	75	0	0-3	3
12.14	12.00	12.02	12.4	256QAM	15MHz	1	0	0-5	5
12.19	11.96	11.90	12.4	256QAM	15MHz	1	37	0-5	5
11.94	11.90	11.90	12.4	256QAM	15MHz	1	74	0-5	5
11.96	11.92	11.87	12.4	256QAM	15MHz	36	0	0-5	5
12.00	11.82	11.78	12.4	256QAM	15MHz	36	19	0-5	5
11.91	11.77	11.74	12.4	256QAM	15MHz	36	39	0-5	5
11.97	11.96	11.79	12.4	256QAM	15MHz	75	0	0-5	5

LTE Band 43								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
44140	44340	44540	Channel						
3655	3675	3695	Freq. (MHz)						
17.27	17.31	17.17	17.4	QPSK	10MHz	1	0	0	0
17.14	17.23	17.13	17.4	QPSK	10MHz	1	24	0	0
17.13	17.14	17.06	17.4	QPSK	10MHz	1	49	0	0
16.10	16.25	16.17	16.4	QPSK	10MHz	25	0	0-1	1
16.14	15.94	16.03	16.4	QPSK	10MHz	25	12	0-1	1
16.17	15.98	15.87	16.4	QPSK	10MHz	25	25	0-1	1
16.17	16.11	15.99	16.4	QPSK	10MHz	50	0	0-1	1
16.19	16.15	15.98	16.4	16QAM	10MHz	1	0	0-1	1
16.02	16.21	16.06	16.4	16QAM	10MHz	1	24	0-1	1
16.13	16.01	16.02	16.4	16QAM	10MHz	1	49	0-1	1
15.10	15.20	15.17	15.4	16QAM	10MHz	25	0	0-2	2
15.10	14.96	14.96	15.4	16QAM	10MHz	25	12	0-2	2
15.07	14.96	14.98	15.4	16QAM	10MHz	25	25	0-2	2
15.11	15.13	15.24	15.4	16QAM	10MHz	50	0	0-2	2
14.91	14.83	14.93	15.4	64QAM	10MHz	1	0	0-2	2
14.93	14.84	14.79	15.4	64QAM	10MHz	1	24	0-2	2
14.97	14.79	14.71	15.4	64QAM	10MHz	1	49	0-2	2
13.98	14.00	13.91	14.4	64QAM	10MHz	25	0	0-3	3
14.01	13.94	13.87	14.4	64QAM	10MHz	25	12	0-3	3
13.91	13.93	13.82	14.4	64QAM	10MHz	25	25	0-3	3
14.07	13.85	13.81	14.4	64QAM	10MHz	50	0	0-3	3
12.09	12.08	12.04	12.4	256QAM	10MHz	1	0	0-5	5
12.17	11.99	11.84	12.4	256QAM	10MHz	1	24	0-5	5
11.97	11.86	11.85	12.4	256QAM	10MHz	1	49	0-5	5
11.94	11.90	11.95	12.4	256QAM	10MHz	25	0	0-5	5
11.94	11.85	11.79	12.4	256QAM	10MHz	25	12	0-5	5
11.87	11.76	11.71	12.4	256QAM	10MHz	25	25	0-5	5
12.02	12.01	11.77	12.4	256QAM	10MHz	50	0	0-5	5

LTE Band 43								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
44115	44340	44565	Channel						
3652.5	3675	3697.5	Freq. (MHz)						
17.22	17.34	17.26	17.4	QPSK	5MHz	1	0	0	0
17.18	17.19	17.07	17.4	QPSK	5MHz	1	12	0	0
17.11	17.13	17.03	17.4	QPSK	5MHz	1	24	0	0
16.12	16.20	16.08	16.4	QPSK	5MHz	12	0	0-1	1
16.07	15.95	16.08	16.4	QPSK	5MHz	12	6	0-1	1
16.18	15.96	15.95	16.4	QPSK	5MHz	12	13	0-1	1
16.17	16.12	16.08	16.4	QPSK	5MHz	25	0	0-1	1
16.17	16.15	16.01	16.4	16QAM	5MHz	1	0	0-1	1
15.98	16.21	16.03	16.4	16QAM	5MHz	1	12	0-1	1
16.15	15.99	16.06	16.4	16QAM	5MHz	1	24	0-1	1
15.11	15.13	15.13	15.4	16QAM	5MHz	12	0	0-2	2
15.13	14.94	14.95	15.4	16QAM	5MHz	12	6	0-2	2
15.12	14.99	14.95	15.4	16QAM	5MHz	12	13	0-2	2
15.15	15.15	15.15	15.4	16QAM	5MHz	25	0	0-2	2
14.96	14.90	14.92	15.4	64QAM	5MHz	1	0	0-2	2
14.96	14.92	14.88	15.4	64QAM	5MHz	1	12	0-2	2
14.92	14.78	14.77	15.4	64QAM	5MHz	1	24	0-2	2
13.98	13.96	13.89	14.4	64QAM	5MHz	12	0	0-3	3
13.97	13.91	13.94	14.4	64QAM	5MHz	12	6	0-3	3
13.90	13.94	13.82	14.4	64QAM	5MHz	12	13	0-3	3
14.10	13.84	13.79	14.4	64QAM	5MHz	25	0	0-3	3
12.10	12.03	12.06	12.4	256QAM	5MHz	1	0	0-5	5
12.20	12.00	11.87	12.4	256QAM	5MHz	1	12	0-5	5
11.95	11.91	11.87	12.4	256QAM	5MHz	1	24	0-5	5
11.92	11.86	11.96	12.4	256QAM	5MHz	12	0	0-5	5
11.93	11.82	11.77	12.4	256QAM	5MHz	12	6	0-5	5
11.90	11.76	11.67	12.4	256QAM	5MHz	12	13	0-5	5
12.04	11.92	11.81	12.4	256QAM	5MHz	25	0	0-5	5

LTE Band 48											
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
55340	55773	56207	56640	Channel							
3560	3603.3	3646.7	3690	Freq. (MHz)							
15.58	15.56	15.59	15.58	15.6	QPSK	20MHz	1	0	0	0	
15.37	15.45	15.54	15.51	15.6	QPSK	20MHz	1	49	0	0	
15.35	15.50	15.38	15.37	15.6	QPSK	20MHz	1	99	0	0	
14.54	14.58	14.59	14.55	14.6	QPSK	20MHz	50	0	0-1	1	
14.18	14.51	14.41	14.43	14.6	QPSK	20MHz	50	25	0-1	1	
14.31	14.57	14.35	14.32	14.6	QPSK	20MHz	50	50	0-1	1	
14.25	14.54	14.57	14.44	14.6	QPSK	20MHz	100	0	0-1	1	
14.25	14.56	14.54	14.43	14.6	16QAM	20MHz	1	0	0-1	1	
14.28	14.42	14.53	14.45	14.6	16QAM	20MHz	1	49	0-1	1	
14.26	14.58	14.44	14.48	14.6	16QAM	20MHz	1	99	0-1	1	
13.26	13.53	13.49	13.51	13.6	16QAM	20MHz	50	0	0-2	2	
13.21	13.55	13.41	13.38	13.6	16QAM	20MHz	50	25	0-2	2	
13.20	13.52	13.42	13.32	13.6	16QAM	20MHz	50	50	0-2	2	
13.33	13.55	13.59	13.56	13.6	16QAM	20MHz	100	0	0-2	2	
13.05	13.37	13.30	13.27	13.6	64QAM	20MHz	1	0	0-2	2	
13.03	13.32	13.22	13.19	13.6	64QAM	20MHz	1	49	0-2	2	
13.01	13.27	13.23	13.14	13.6	64QAM	20MHz	1	99	0-2	2	
12.03	12.38	12.36	12.29	12.6	64QAM	20MHz	50	0	0-3	3	
12.13	12.38	12.32	12.25	12.6	64QAM	20MHz	50	25	0-3	3	
11.92	12.34	12.28	12.14	12.6	64QAM	20MHz	50	50	0-3	3	
12.17	12.47	12.24	12.22	12.6	64QAM	20MHz	100	0	0-3	3	
10.19	10.57	10.44	10.44	10.6	256QAM	20MHz	1	0	0-5	5	
10.12	10.50	10.38	10.25	10.6	256QAM	20MHz	1	49	0-5	5	
10.10	10.36	10.31	10.24	10.6	256QAM	20MHz	1	99	0-5	5	
10.02	10.39	10.31	10.27	10.6	256QAM	20MHz	50	0	0-5	5	
9.99	10.38	10.25	10.12	10.6	256QAM	20MHz	50	25	0-5	5	
9.96	10.29	10.15	10.07	10.6	256QAM	20MHz	50	50	0-5	5	
10.08	10.43	10.32	10.22	10.6	256QAM	20MHz	100	0	0-5	5	

LTE Band 48											
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
55315	55765	56215	56665	Channel							
3557.5	3602.5	3647.5	3692.5	Freq. (MHz)							
15.55	15.55	15.52	15.52	15.6	QPSK	15MHz	1	0	0	0	
15.35	15.36	15.45	15.51	15.6	QPSK	15MHz	1	37	0	0	
15.27	15.42	15.28	15.36	15.6	QPSK	15MHz	1	74	0	0	
14.54	14.48	14.59	14.46	14.6	QPSK	15MHz	36	0	0-1	1	
14.16	14.50	14.32	14.39	14.6	QPSK	15MHz	36	19	0-1	1	
14.31	14.57	14.29	14.30	14.6	QPSK	15MHz	36	39	0-1	1	
14.17	14.47	14.55	14.37	14.6	QPSK	15MHz	75	0	0-1	1	
14.15	14.47	14.54	14.38	14.6	16QAM	15MHz	1	0	0-1	1	
14.19	14.35	14.43	14.39	14.6	16QAM	15MHz	1	37	0-1	1	
14.18	14.56	14.38	14.45	14.6	16QAM	15MHz	1	74	0-1	1	
13.18	13.53	13.49	13.44	13.6	16QAM	15MHz	36	0	0-2	2	
13.15	13.45	13.34	13.32	13.6	16QAM	15MHz	36	19	0-2	2	
13.20	13.49	13.32	13.30	13.6	16QAM	15MHz	36	39	0-2	2	
13.23	13.45	13.51	13.46	13.6	16QAM	15MHz	75	0	0-2	2	
12.96	13.37	13.20	13.17	13.6	64QAM	15MHz	1	0	0-2	2	
12.99	13.26	13.19	13.19	13.6	64QAM	15MHz	1	37	0-2	2	
12.97	13.22	13.21	13.13	13.6	64QAM	15MHz	1	74	0-2	2	
12.01	12.38	12.36	12.24	12.6	64QAM	15MHz	36	0	0-3	3	
12.04	12.28	12.29	12.16	12.6	64QAM	15MHz	36	19	0-3	3	
11.87	12.24	12.25	12.12	12.6	64QAM	15MHz	36	39	0-3	3	
12.11	12.43	12.15	12.15	12.6	64QAM	15MHz	75	0	0-3	3	
10.11	10.52	10.36	10.44	10.6	256QAM	15MHz	1	0	0-5	5	
10.06	10.48	10.37	10.16	10.6	256QAM	15MHz	1	37	0-5	5	
10.05	10.28	10.28	10.17	10.6	256QAM	15MHz	1	74	0-5	5	
10.01	10.30	10.28	10.24	10.6	256QAM	15MHz	36	0	0-5	5	
9.94	10.36	10.16	10.04	10.6	256QAM	15MHz	36	19	0-5	5	
9.96	10.21	10.12	10.00	10.6	256QAM	15MHz	36	39	0-5	5	
10.02	10.33	10.23	10.19	10.6	256QAM	15MHz	75	0	0-5	5	

LTE Band 48											
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
55290	55757	56223	56690	Channel							
3555	3601.7	3648.3	3695	Freq. (MHz)							
15.52	15.46	15.56	15.55	15.6	QPSK	10MHz	1	0	0	0	
15.29	15.36	15.54	15.44	15.6	QPSK	10MHz	1	24	0	0	
15.31	15.40	15.36	15.32	15.6	QPSK	10MHz	1	49	0	0	
14.50	14.57	14.55	14.52	14.6	QPSK	10MHz	25	0	0-1	1	
14.12	14.50	14.32	14.42	14.6	QPSK	10MHz	25	12	0-1	1	
14.24	14.52	14.32	14.29	14.6	QPSK	10MHz	25	25	0-1	1	
14.19	14.45	14.49	14.37	14.6	QPSK	10MHz	50	0	0-1	1	
14.24	14.46	14.51	14.36	14.6	16QAM	10MHz	1	0	0-1	1	
14.21	14.40	14.51	14.38	14.6	16QAM	10MHz	1	24	0-1	1	
14.18	14.58	14.39	14.41	14.6	16QAM	10MHz	1	49	0-1	1	
13.18	13.50	13.40	13.42	13.6	16QAM	10MHz	25	0	0-2	2	
13.11	13.47	13.37	13.32	13.6	16QAM	10MHz	25	12	0-2	2	
13.17	13.47	13.40	13.25	13.6	16QAM	10MHz	25	25	0-2	2	
13.28	13.54	13.57	13.56	13.6	16QAM	10MHz	50	0	0-2	2	
13.01	13.34	13.21	13.17	13.6	64QAM	10MHz	1	0	0-2	2	
12.98	13.22	13.21	13.19	13.6	64QAM	10MHz	1	24	0-2	2	
13.00	13.21	13.19	13.13	13.6	64QAM	10MHz	1	49	0-2	2	
11.95	12.29	12.35	12.22	12.6	64QAM	10MHz	25	0	0-3	3	
12.11	12.37	12.25	12.17	12.6	64QAM	10MHz	25	12	0-3	3	
11.82	12.26	12.19	12.07	12.6	64QAM	10MHz	25	25	0-3	3	
12.12	12.38	12.15	12.13	12.6	64QAM	10MHz	50	0	0-3	3	
10.12	10.51	10.34	10.36	10.6	256QAM	10MHz	1	0	0-5	5	
10.08	10.49	10.33	10.21	10.6	256QAM	10MHz	1	24	0-5	5	
10.09	10.34	10.25	10.15	10.6	256QAM	10MHz	1	49	0-5	5	
10.00	10.39	10.28	10.19	10.6	256QAM	10MHz	25	0	0-5	5	
9.96	10.28	10.21	10.08	10.6	256QAM	10MHz	25	12	0-5	5	
9.90	10.27	10.09	9.97	10.6	256QAM	10MHz	25	25	0-5	5	
10.01	10.35	10.31	10.18	10.6	256QAM	10MHz	50	0	0-5	5	

LTE Band 48												
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
55265	55748	56232	56715	Channel								
3552.5	3600.8	3649.2	3697.5	Freq. (MHz)								
15.48	15.48	15.54	15.54	15.6	QPSK	5MHz	1	0	0	0		
15.31	15.38	15.48	15.50	15.6	QPSK	5MHz	1	12	0	0		
15.28	15.47	15.35	15.30	15.6	QPSK	5MHz	1	24	0	0		
14.54	14.56	14.49	14.46	14.6	QPSK	5MHz	12	0	0-1	1		
14.11	14.51	14.39	14.33	14.6	QPSK	5MHz	12	6	0-1	1		
14.24	14.57	14.31	14.29	14.6	QPSK	5MHz	12	13	0-1	1		
14.18	14.51	14.49	14.35	14.6	QPSK	5MHz	25	0	0-1	1		
14.22	14.47	14.47	14.33	14.6	16QAM	5MHz	1	0	0-1	1		
14.23	14.38	14.48	14.37	14.6	16QAM	5MHz	1	12	0-1	1		
14.26	14.53	14.39	14.47	14.6	16QAM	5MHz	1	24	0-1	1		
13.25	13.45	13.44	13.47	13.6	16QAM	5MHz	12	0	0-2	2		
13.15	13.51	13.31	13.29	13.6	16QAM	5MHz	12	6	0-2	2		
13.19	13.46	13.35	13.28	13.6	16QAM	5MHz	12	13	0-2	2		
13.27	13.45	13.53	13.47	13.6	16QAM	5MHz	25	0	0-2	2		
13.05	13.33	13.24	13.17	13.6	64QAM	5MHz	1	0	0-2	2		
12.94	13.23	13.13	13.09	13.6	64QAM	5MHz	1	12	0-2	2		
12.94	13.22	13.16	13.14	13.6	64QAM	5MHz	1	24	0-2	2		
11.99	12.37	12.30	12.19	12.6	64QAM	5MHz	12	0	0-3	3		
12.13	12.29	12.26	12.24	12.6	64QAM	5MHz	12	6	0-3	3		
11.85	12.33	12.21	12.08	12.6	64QAM	5MHz	12	13	0-3	3		
12.12	12.39	12.23	12.17	12.6	64QAM	5MHz	25	0	0-3	3		
10.17	10.48	10.40	10.43	10.6	256QAM	5MHz	1	0	0-5	5		
10.02	10.42	10.34	10.21	10.6	256QAM	5MHz	1	12	0-5	5		
10.05	10.35	10.21	10.18	10.6	256QAM	5MHz	1	24	0-5	5		
10.02	10.33	10.22	10.23	10.6	256QAM	5MHz	12	0	0-5	5		
9.93	10.37	10.15	10.08	10.6	256QAM	5MHz	12	6	0-5	5		
9.92	10.19	10.10	10.06	10.6	256QAM	5MHz	12	13	0-5	5		
9.99	10.39	10.26	10.12	10.6	256QAM	5MHz	25	0	0-5	5		

LTE Band 66								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
132072	132322	132572	Channel						
1720	1745	1770	Freq. (MHz)						
15.87	15.89	15.88	15.9	QPSK	20MHz	1	0	0	0
15.61	15.78	15.77	15.9	QPSK	20MHz	1	49	0	0
15.62	15.76	15.71	15.9	QPSK	20MHz	1	99	0	0
14.63	14.83	14.81	14.9	QPSK	20MHz	50	0	0-1	1
14.54	14.74	14.73	14.9	QPSK	20MHz	50	25	0-1	1
14.50	14.81	14.72	14.9	QPSK	20MHz	50	50	0-1	1
14.46	14.81	14.80	14.9	QPSK	20MHz	100	0	0-1	1
14.37	14.66	14.59	14.9	16QAM	20MHz	1	0	0-1	1
14.47	14.55	14.60	14.9	16QAM	20MHz	1	49	0-1	1
14.41	14.60	14.54	14.9	16QAM	20MHz	1	99	0-1	1
13.48	13.71	13.74	13.9	16QAM	20MHz	50	0	0-2	2
13.35	13.50	13.50	13.9	16QAM	20MHz	50	25	0-2	2
13.38	13.53	13.57	13.9	16QAM	20MHz	50	50	0-2	2
13.54	13.73	13.69	13.9	16QAM	20MHz	100	0	0-2	2
13.20	13.51	13.38	13.9	64QAM	20MHz	1	0	0-2	2
13.22	13.35	13.36	13.9	64QAM	20MHz	1	49	0-2	2
13.24	13.31	13.39	13.9	64QAM	20MHz	1	99	0-2	2
12.32	12.37	12.39	12.9	64QAM	20MHz	50	0	0-3	3
12.29	12.57	12.49	12.9	64QAM	20MHz	50	25	0-3	3
12.16	12.34	12.37	12.9	64QAM	20MHz	50	50	0-3	3
12.40	12.57	12.56	12.9	64QAM	20MHz	100	0	0-3	3
10.58	10.54	10.53	10.9	256QAM	20MHz	1	0	0-5	5
10.55	10.50	10.55	10.9	256QAM	20MHz	1	49	0-5	5
10.42	10.40	10.38	10.9	256QAM	20MHz	1	99	0-5	5
10.41	10.40	10.42	10.9	256QAM	20MHz	50	0	0-5	5
10.33	10.34	10.32	10.9	256QAM	20MHz	50	25	0-5	5
10.35	10.32	10.35	10.9	256QAM	20MHz	50	50	0-5	5
10.53	10.46	10.35	10.9	256QAM	20MHz	100	0	0-5	5

LTE Band 66								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
132047	132322	132597	Channel						
1717.5	1745	1772.5	Freq. (MHz)						
15.80	15.82	15.85	15.9	QPSK	15MHz	1	0	0	0
15.58	15.77	15.70	15.9	QPSK	15MHz	1	37	0	0
15.54	15.73	15.64	15.9	QPSK	15MHz	1	74	0	0
14.61	14.77	14.76	14.9	QPSK	15MHz	36	0	0-1	1
14.52	14.68	14.65	14.9	QPSK	15MHz	36	19	0-1	1
14.44	14.80	14.65	14.9	QPSK	15MHz	36	39	0-1	1
14.45	14.67	14.74	14.9	QPSK	15MHz	75	0	0-1	1
14.36	14.60	14.59	14.9	16QAM	15MHz	1	0	0-1	1
14.40	14.47	14.50	14.9	16QAM	15MHz	1	37	0-1	1
14.31	14.54	14.46	14.9	16QAM	15MHz	1	74	0-1	1
13.39	13.61	13.70	13.9	16QAM	15MHz	36	0	0-2	2
13.25	13.42	13.49	13.9	16QAM	15MHz	36	19	0-2	2
13.31	13.48	13.51	13.9	16QAM	15MHz	36	39	0-2	2
13.53	13.63	13.69	13.9	16QAM	15MHz	75	0	0-2	2
13.10	13.49	13.33	13.9	64QAM	15MHz	1	0	0-2	2
13.22	13.31	13.36	13.9	64QAM	15MHz	1	37	0-2	2
13.20	13.25	13.37	13.9	64QAM	15MHz	1	74	0-2	2
12.28	12.33	12.29	12.9	64QAM	15MHz	36	0	0-3	3
12.21	12.47	12.40	12.9	64QAM	15MHz	36	19	0-3	3
12.06	12.28	12.34	12.9	64QAM	15MHz	36	39	0-3	3
12.33	12.57	12.47	12.9	64QAM	15MHz	75	0	0-3	3
10.54	10.47	10.49	10.9	256QAM	15MHz	1	0	0-5	5
10.45	10.46	10.50	10.9	256QAM	15MHz	1	37	0-5	5
10.36	10.31	10.33	10.9	256QAM	15MHz	1	74	0-5	5
10.41	10.36	10.41	10.9	256QAM	15MHz	36	0	0-5	5
10.27	10.26	10.22	10.9	256QAM	15MHz	36	19	0-5	5
10.25	10.28	10.35	10.9	256QAM	15MHz	36	39	0-5	5
10.49	10.41	10.31	10.9	256QAM	15MHz	75	0	0-5	5

LTE Band 66								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
132022	132322	132622	Channel						
1715	1745	1775	Freq. (MHz)						
15.78	15.82	15.86	15.9	QPSK	10MHz	1	0	0	0
15.55	15.72	15.74	15.9	QPSK	10MHz	1	24	0	0
15.53	15.67	15.64	15.9	QPSK	10MHz	1	49	0	0
14.55	14.78	14.81	14.9	QPSK	10MHz	25	0	0-1	1
14.48	14.65	14.68	14.9	QPSK	10MHz	25	12	0-1	1
14.42	14.80	14.65	14.9	QPSK	10MHz	25	25	0-1	1
14.43	14.73	14.78	14.9	QPSK	10MHz	50	0	0-1	1
14.36	14.63	14.57	14.9	16QAM	10MHz	1	0	0-1	1
14.43	14.50	14.60	14.9	16QAM	10MHz	1	24	0-1	1
14.31	14.50	14.49	14.9	16QAM	10MHz	1	49	0-1	1
13.39	13.61	13.70	13.9	16QAM	10MHz	25	0	0-2	2
13.33	13.44	13.45	13.9	16QAM	10MHz	25	12	0-2	2
13.29	13.48	13.57	13.9	16QAM	10MHz	25	25	0-2	2
13.53	13.67	13.65	13.9	16QAM	10MHz	50	0	0-2	2
13.20	13.47	13.38	13.9	64QAM	10MHz	1	0	0-2	2
13.21	13.29	13.34	13.9	64QAM	10MHz	1	24	0-2	2
13.24	13.29	13.35	13.9	64QAM	10MHz	1	49	0-2	2
12.25	12.30	12.36	12.9	64QAM	10MHz	25	0	0-3	3
12.19	12.47	12.49	12.9	64QAM	10MHz	25	12	0-3	3
12.16	12.25	12.36	12.9	64QAM	10MHz	25	25	0-3	3
12.32	12.50	12.48	12.9	64QAM	10MHz	50	0	0-3	3
10.48	10.45	10.48	10.9	256QAM	10MHz	1	0	0-5	5
10.45	10.42	10.54	10.9	256QAM	10MHz	1	24	0-5	5
10.33	10.32	10.31	10.9	256QAM	10MHz	1	49	0-5	5
10.37	10.40	10.32	10.9	256QAM	10MHz	25	0	0-5	5
10.32	10.26	10.30	10.9	256QAM	10MHz	25	12	0-5	5
10.27	10.32	10.32	10.9	256QAM	10MHz	25	25	0-5	5
10.47	10.37	10.26	10.9	256QAM	10MHz	50	0	0-5	5

LTE Band 66								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
131997	132322	132647	Channel						
1712.5	1745	1777.5	Freq. (MHz)						
15.77	15.83	15.79	15.9	QPSK	5MHz	1	0	0	0
15.59	15.68	15.71	15.9	QPSK	5MHz	1	12	0	0
15.52	15.74	15.66	15.9	QPSK	5MHz	1	24	0	0
14.60	14.76	14.75	14.9	QPSK	5MHz	12	0	0-1	1
14.44	14.70	14.71	14.9	QPSK	5MHz	12	6	0-1	1
14.50	14.71	14.68	14.9	QPSK	5MHz	12	13	0-1	1
14.45	14.67	14.79	14.9	QPSK	5MHz	25	0	0-1	1
14.27	14.60	14.58	14.9	16QAM	5MHz	1	0	0-1	1
14.40	14.52	14.59	14.9	16QAM	5MHz	1	12	0-1	1
14.32	14.59	14.49	14.9	16QAM	5MHz	1	24	0-1	1
13.47	13.61	13.68	13.9	16QAM	5MHz	12	0	0-2	2
13.26	13.47	13.42	13.9	16QAM	5MHz	12	6	0-2	2
13.36	13.53	13.57	13.9	16QAM	5MHz	12	13	0-2	2
13.45	13.67	13.60	13.9	16QAM	5MHz	25	0	0-2	2
13.19	13.50	13.37	13.9	64QAM	5MHz	1	0	0-2	2
13.22	13.26	13.30	13.9	64QAM	5MHz	1	12	0-2	2
13.18	13.28	13.32	13.9	64QAM	5MHz	1	24	0-2	2
12.23	12.27	12.39	12.9	64QAM	5MHz	12	0	0-3	3
12.20	12.53	12.45	12.9	64QAM	5MHz	12	6	0-3	3
12.13	12.26	12.37	12.9	64QAM	5MHz	12	13	0-3	3
12.33	12.51	12.55	12.9	64QAM	5MHz	25	0	0-3	3
10.56	10.46	10.45	10.9	256QAM	5MHz	1	0	0-5	5
10.46	10.48	10.55	10.9	256QAM	5MHz	1	12	0-5	5
10.35	10.35	10.30	10.9	256QAM	5MHz	1	24	0-5	5
10.41	10.34	10.41	10.9	256QAM	5MHz	12	0	0-5	5
10.32	10.28	10.27	10.9	256QAM	5MHz	12	6	0-5	5
10.27	10.24	10.26	10.9	256QAM	5MHz	12	13	0-5	5
10.47	10.39	10.28	10.9	256QAM	5MHz	25	0	0-5	5

LTE Band 66								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
131987	132322	132657	Channel						
1711.5	1745	1778.5	Freq. (MHz)						
15.78	15.81	15.82	15.9	QPSK	3MHz	1	0	0	0
15.54	15.70	15.72	15.9	QPSK	3MHz	1	7	0	0
15.53	15.75	15.69	15.9	QPSK	3MHz	1	14	0	0
14.63	14.76	14.78	14.9	QPSK	3MHz	8	0	0-1	1
14.47	14.68	14.70	14.9	QPSK	3MHz	8	3	0-1	1
14.42	14.81	14.66	14.9	QPSK	3MHz	8	7	0-1	1
14.45	14.68	14.72	14.9	QPSK	3MHz	15	0	0-1	1
14.31	14.63	14.50	14.9	16QAM	3MHz	1	0	0-1	1
14.38	14.46	14.52	14.9	16QAM	3MHz	1	7	0-1	1
14.32	14.58	14.45	14.9	16QAM	3MHz	1	14	0-1	1
13.44	13.66	13.71	13.9	16QAM	3MHz	8	0	0-2	2
13.31	13.49	13.43	13.9	16QAM	3MHz	8	3	0-2	2
13.34	13.51	13.47	13.9	16QAM	3MHz	8	7	0-2	2
13.49	13.64	13.63	13.9	16QAM	3MHz	15	0	0-2	2
13.13	13.49	13.31	13.9	64QAM	3MHz	1	0	0-2	2
13.14	13.34	13.35	13.9	64QAM	3MHz	1	7	0-2	2
13.23	13.23	13.38	13.9	64QAM	3MHz	1	14	0-2	2
12.28	12.27	12.38	12.9	64QAM	3MHz	8	0	0-3	3
12.19	12.50	12.40	12.9	64QAM	3MHz	8	3	0-3	3
12.14	12.24	12.29	12.9	64QAM	3MHz	8	7	0-3	3
12.31	12.50	12.46	12.9	64QAM	3MHz	15	0	0-3	3
10.52	10.51	10.53	10.9	256QAM	3MHz	1	0	0-5	5
10.46	10.47	10.49	10.9	256QAM	3MHz	1	7	0-5	5
10.42	10.30	10.36	10.9	256QAM	3MHz	1	14	0-5	5
10.41	10.38	10.42	10.9	256QAM	3MHz	8	0	0-5	5
10.26	10.32	10.28	10.9	256QAM	3MHz	8	3	0-5	5
10.33	10.27	10.25	10.9	256QAM	3MHz	8	7	0-5	5
10.45	10.46	10.30	10.9	256QAM	3MHz	15	0	0-5	5

LTE Band 66								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
131979	132322	132665	Channel						
1710.7	1745	1779.3	Freq. (MHz)						
15.61	15.79	15.79	15.9	QPSK	1.4MHz	1	0	0	0
15.51	15.77	15.68	15.9	QPSK	1.4MHz	1	2	0	0
15.60	15.71	15.69	15.9	QPSK	1.4MHz	1	5	0	0
14.62	14.76	14.76	15.9	QPSK	1.4MHz	3	0	0	0
14.44	14.67	14.68	15.9	QPSK	1.4MHz	3	1	0	0
14.40	14.72	14.62	15.9	QPSK	1.4MHz	3	3	0	0
14.44	14.63	14.79	14.9	QPSK	1.4MHz	6	0	0-1	1
14.35	14.57	14.56	14.9	16QAM	1.4MHz	1	0	0-1	1
14.42	14.49	14.51	14.9	16QAM	1.4MHz	1	2	0-1	1
14.40	14.55	14.46	14.9	16QAM	1.4MHz	1	5	0-1	1
13.44	13.61	13.66	14.9	16QAM	1.4MHz	3	0	0-1	1
13.29	13.50	13.46	14.9	16QAM	1.4MHz	3	1	0-1	1
13.30	13.45	13.49	14.9	16QAM	1.4MHz	3	3	0-1	1
13.50	13.72	13.68	13.9	16QAM	1.4MHz	6	0	0-2	2
13.20	13.51	13.33	13.9	64QAM	1.4MHz	1	0	0-2	2
13.20	13.27	13.30	13.9	64QAM	1.4MHz	1	2	0-2	2
13.20	13.28	13.35	13.9	64QAM	1.4MHz	1	5	0-2	2
12.28	12.36	12.37	13.9	64QAM	1.4MHz	3	0	0-2	2
12.26	12.50	12.45	13.9	64QAM	1.4MHz	3	1	0-2	2
12.11	12.26	12.35	13.9	64QAM	1.4MHz	3	3	0-2	2
12.32	12.49	12.49	12.9	64QAM	1.4MHz	6	0	0-3	3
10.50	10.46	10.46	10.9	256QAM	1.4MHz	1	0	0-5	5
10.50	10.50	10.50	10.9	256QAM	1.4MHz	1	2	0-5	5
10.42	10.37	10.36	10.9	256QAM	1.4MHz	1	5	0-5	5
10.40	10.37	10.40	10.9	256QAM	1.4MHz	3	0	0-5	5
10.26	10.24	10.26	10.9	256QAM	1.4MHz	3	1	0-5	5
10.33	10.31	10.26	10.9	256QAM	1.4MHz	3	3	0-5	5
10.51	10.43	10.31	10.9	256QAM	1.4MHz	6	0	0-5	5

LTE Band 71									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
133222	133322	133372	Channel						
673	683	688	Freq. (MHz)						
21.65	21.79	21.69	22.2	QPSK	20MHz	1	0	0	0
21.59	21.70	21.63	22.2	QPSK	20MHz	1	49	0	0
21.57	21.62	21.47	22.2	QPSK	20MHz	1	99	0	0
20.61	20.81	20.57	21.2	QPSK	20MHz	50	0	0-1	1
20.47	20.65	20.64	21.2	QPSK	20MHz	50	25	0-1	1
20.52	20.58	20.45	21.2	QPSK	20MHz	50	50	0-1	1
20.56	20.69	20.64	21.2	QPSK	20MHz	100	0	0-1	1
20.49	20.74	20.60	21.2	16QAM	20MHz	1	0	0-1	1
20.58	20.68	20.71	21.2	16QAM	20MHz	1	49	0-1	1
20.51	20.62	20.62	21.2	16QAM	20MHz	1	99	0-1	1
19.50	19.71	19.56	20.2	16QAM	20MHz	50	0	0-2	2
19.47	19.72	19.52	20.2	16QAM	20MHz	50	25	0-2	2
19.43	19.65	19.46	20.2	16QAM	20MHz	50	50	0-2	2
19.39	19.70	19.62	20.2	16QAM	20MHz	100	0	0-2	2
19.34	19.44	19.48	20.2	64QAM	20MHz	1	0	0-2	2
19.25	19.52	19.40	20.2	64QAM	20MHz	1	49	0-2	2
19.24	19.41	19.29	20.2	64QAM	20MHz	1	99	0-2	2
18.28	18.44	18.44	19.2	64QAM	20MHz	50	0	0-3	3
18.37	18.54	18.42	19.2	64QAM	20MHz	50	25	0-3	3
18.33	18.38	18.37	19.2	64QAM	20MHz	50	50	0-3	3
18.35	18.51	18.44	19.2	64QAM	20MHz	100	0	0-3	3
16.50	16.72	16.52	17.2	256QAM	20MHz	1	0	0-5	5
16.32	16.66	16.38	17.2	256QAM	20MHz	1	49	0-5	5
16.16	16.43	16.43	17.2	256QAM	20MHz	1	99	0-5	5
16.30	16.51	16.31	17.2	256QAM	20MHz	50	0	0-5	5
16.32	16.48	16.37	17.2	256QAM	20MHz	50	25	0-5	5
16.21	16.34	16.18	17.2	256QAM	20MHz	50	50	0-5	5
16.42	16.59	16.45	17.2	256QAM	20MHz	100	0	0-5	5

LTE Band 71									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
133197	133297	133397	Channel						
670.5	680.5	690.5	Freq. (MHz)						
21.61	21.69	21.62	22.2	QPSK	15MHz	1	0	0	0
21.53	21.68	21.66	22.2	QPSK	15MHz	1	37	0	0
21.54	21.63	21.56	22.2	QPSK	15MHz	1	74	0	0
20.58	20.73	20.52	21.2	QPSK	15MHz	36	0	0-1	1
20.49	20.68	20.61	21.2	QPSK	15MHz	36	19	0-1	1
20.46	20.63	20.55	21.2	QPSK	15MHz	36	39	0-1	1
20.54	20.80	20.62	21.2	QPSK	15MHz	75	0	0-1	1
20.53	20.74	20.67	21.2	16QAM	15MHz	1	0	0-1	1
20.55	20.70	20.75	21.2	16QAM	15MHz	1	37	0-1	1
20.54	20.62	20.54	21.2	16QAM	15MHz	1	74	0-1	1
19.45	19.72	19.59	20.2	16QAM	15MHz	36	0	0-2	2
19.44	19.70	19.48	20.2	16QAM	15MHz	36	19	0-2	2
19.47	19.69	19.50	20.2	16QAM	15MHz	36	39	0-2	2
19.49	19.69	19.63	20.2	16QAM	15MHz	75	0	0-2	2
19.29	19.53	19.49	20.2	64QAM	15MHz	1	0	0-2	2
19.21	19.42	19.41	20.2	64QAM	15MHz	1	37	0-2	2
19.24	19.41	19.39	20.2	64QAM	15MHz	1	74	0-2	2
18.37	18.43	18.49	19.2	64QAM	15MHz	36	0	0-3	3
18.36	18.55	18.46	19.2	64QAM	15MHz	36	19	0-3	3
18.29	18.37	18.30	19.2	64QAM	15MHz	36	39	0-3	3
18.33	18.44	18.46	19.2	64QAM	15MHz	75	0	0-3	3
16.51	16.65	16.58	17.2	256QAM	15MHz	1	0	0-5	5
16.27	16.62	16.35	17.2	256QAM	15MHz	1	37	0-5	5
16.21	16.36	16.37	17.2	256QAM	15MHz	1	74	0-5	5
16.31	16.45	16.36	17.2	256QAM	15MHz	36	0	0-5	5
16.36	16.46	16.39	17.2	256QAM	15MHz	36	19	0-5	5
16.23	16.36	16.14	17.2	256QAM	15MHz	36	39	0-5	5
16.41	16.58	16.42	17.2	256QAM	15MHz	75	0	0-5	5

LTE Band 71									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
133172	133272	133422	Channel						
668	678	693	Freq. (MHz)						
21.60	21.74	21.67	22.2	QPSK	10MHz	1	0	0	0
21.60	21.67	21.64	22.2	QPSK	10MHz	1	24	0	0
21.54	21.59	21.51	22.2	QPSK	10MHz	1	49	0	0
20.56	20.73	20.56	21.2	QPSK	10MHz	25	0	0-1	1
20.51	20.62	20.61	21.2	QPSK	10MHz	25	12	0-1	1
20.47	20.64	20.46	21.2	QPSK	10MHz	25	25	0-1	1
20.58	20.81	20.67	21.2	QPSK	10MHz	50	0	0-1	1
20.55	20.75	20.62	21.2	16QAM	10MHz	1	0	0-1	1
20.60	20.68	20.67	21.2	16QAM	10MHz	1	24	0-1	1
20.52	20.64	20.55	21.2	16QAM	10MHz	1	49	0-1	1
19.47	19.76	19.55	20.2	16QAM	10MHz	25	0	0-2	2
19.43	19.75	19.53	20.2	16QAM	10MHz	25	12	0-2	2
19.47	19.67	19.51	20.2	16QAM	10MHz	25	25	0-2	2
19.44	19.76	19.66	20.2	16QAM	10MHz	50	0	0-2	2
19.30	19.45	19.49	20.2	64QAM	10MHz	1	0	0-2	2
19.23	19.50	19.36	20.2	64QAM	10MHz	1	24	0-2	2
19.26	19.41	19.32	20.2	64QAM	10MHz	1	49	0-2	2
18.30	18.49	18.51	19.2	64QAM	10MHz	25	0	0-3	3
18.34	18.53	18.45	19.2	64QAM	10MHz	25	12	0-3	3
18.25	18.41	18.30	19.2	64QAM	10MHz	25	25	0-3	3
18.33	18.53	18.44	19.2	64QAM	10MHz	50	0	0-3	3
16.43	16.64	16.54	17.2	256QAM	10MHz	1	0	0-5	5
16.32	16.67	16.42	17.2	256QAM	10MHz	1	24	0-5	5
16.16	16.43	16.39	17.2	256QAM	10MHz	1	49	0-5	5
16.28	16.46	16.37	17.2	256QAM	10MHz	25	0	0-5	5
16.40	16.44	16.38	17.2	256QAM	10MHz	25	12	0-5	5
16.26	16.42	16.19	17.2	256QAM	10MHz	25	25	0-5	5
16.37	16.53	16.45	17.2	256QAM	10MHz	50	0	0-5	5

LTE Band 71									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
133147	133247	133447	Channel						
665.5	675.5	695.5	Freq. (MHz)						
21.63	21.71	21.61	22.2	QPSK	5MHz	1	0	0	0
21.62	21.71	21.58	22.2	QPSK	5MHz	1	12	0	0
21.55	21.64	21.55	22.2	QPSK	5MHz	1	24	0	0
20.59	20.71	20.50	21.2	QPSK	5MHz	12	0	0-1	1
20.49	20.61	20.54	21.2	QPSK	5MHz	12	6	0-1	1
20.51	20.59	20.54	21.2	QPSK	5MHz	12	13	0-1	1
20.58	20.85	20.62	21.2	QPSK	5MHz	25	0	0-1	1
20.46	20.73	20.59	21.2	16QAM	5MHz	1	0	0-1	1
20.51	20.70	20.66	21.2	16QAM	5MHz	1	12	0-1	1
20.44	20.65	20.63	21.2	16QAM	5MHz	1	24	0-1	1
19.42	19.68	19.57	20.2	16QAM	5MHz	12	0	0-2	2
19.48	19.74	19.49	20.2	16QAM	5MHz	12	6	0-2	2
19.44	19.66	19.48	20.2	16QAM	5MHz	12	13	0-2	2
19.40	19.68	19.68	20.2	16QAM	5MHz	25	0	0-2	2
19.33	19.47	19.47	20.2	64QAM	5MHz	1	0	0-2	2
19.22	19.44	19.34	20.2	64QAM	5MHz	1	12	0-2	2
19.29	19.32	19.30	20.2	64QAM	5MHz	1	24	0-2	2
18.36	18.49	18.44	19.2	64QAM	5MHz	12	0	0-3	3
18.29	18.58	18.48	19.2	64QAM	5MHz	12	6	0-3	3
18.26	18.37	18.38	19.2	64QAM	5MHz	12	13	0-3	3
18.27	18.52	18.46	19.2	64QAM	5MHz	25	0	0-3	3
16.46	16.67	16.50	17.2	256QAM	5MHz	1	0	0-5	5
16.34	16.67	16.33	17.2	256QAM	5MHz	1	12	0-5	5
16.20	16.46	16.41	17.2	256QAM	5MHz	1	24	0-5	5
16.35	16.45	16.32	17.2	256QAM	5MHz	12	0	0-5	5
16.35	16.51	16.32	17.2	256QAM	5MHz	12	6	0-5	5
16.29	16.37	16.15	17.2	256QAM	5MHz	12	13	0-5	5
16.41	16.56	16.37	17.2	256QAM	5MHz	25	0	0-5	5

NR Band n2									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
372000	376000	380000	Channel						
1860	1880	1900	Freq. (MHz)						
16.13	16.13	16.09	16.2	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0
16.00	16.08	16.04	16.2	DFT-S $\pi/2$ BPSK	20MHz	1	53	0	0
15.96	15.99	15.98	16.2	DFT-S $\pi/2$ BPSK	20MHz	1	104	0	0
15.47	15.52	15.47	15.7	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-0.5	0.5
16.02	16.04	16.05	16.2	DFT-S $\pi/2$ BPSK	20MHz	50	28	0	0
15.48	15.50	15.43	15.7	DFT-S $\pi/2$ BPSK	20MHz	50	56	0-0.5	0.5
15.35	15.47	15.33	15.7	DFT-S $\pi/2$ BPSK	20MHz	100	0	0-1	0.5
16.18	16.19	16.17	16.2	DFT-S QPSK	20MHz	1	1	0	0
16.08	16.11	16.07	16.2	DFT-S QPSK	20MHz	1	53	0	0
16.01	16.09	16.01	16.2	DFT-S QPSK	20MHz	1	104	0	0
15.12	15.18	15.10	15.2	DFT-S QPSK	20MHz	50	0	0-1	1
16.10	16.13	16.11	16.2	DFT-S QPSK	20MHz	50	28	0	0
15.11	15.15	15.07	15.2	DFT-S QPSK	20MHz	50	56	0-1	1
15.09	15.12	15.03	15.2	DFT-S QPSK	20MHz	100	0	0-1	1
15.05	15.08	14.99	15.2	DFT-S 16QAM	20MHz	1	1	0-1	1
13.65	13.69	13.62	13.7	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5
11.64	11.66	11.62	11.7	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5
14.55	14.64	14.56	14.7	CP QPSK	20MHz	1	1	0-1.5	1.5

NR Band n2									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
371500	376000	380500	Channel						
1857.5	1880	1902.5	Freq. (MHz)						
16.10	16.03	15.99	16.2	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0
15.94	15.98	15.96	16.2	DFT-S $\pi/2$ BPSK	15MHz	1	40	0	0
15.88	15.90	15.95	16.2	DFT-S $\pi/2$ BPSK	15MHz	1	77	0	0
15.45	15.44	15.40	15.7	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-0.5	0.5
16.00	16.03	15.99	16.2	DFT-S $\pi/2$ BPSK	15MHz	36	22	0	0
15.39	15.42	15.34	15.7	DFT-S $\pi/2$ BPSK	15MHz	36	43	0-0.5	0.5
15.30	15.40	15.23	15.7	DFT-S $\pi/2$ BPSK	15MHz	75	0	0-1	0.5
16.10	16.14	16.14	16.2	DFT-S QPSK	15MHz	1	1	0	0
16.02	16.08	15.97	16.2	DFT-S QPSK	15MHz	1	40	0	0
15.92	16.08	15.93	16.2	DFT-S QPSK	15MHz	1	77	0	0
15.03	15.15	15.01	15.2	DFT-S QPSK	15MHz	36	0	0-1	1
16.09	16.11	16.11	16.2	DFT-S QPSK	15MHz	36	22	0	0
15.01	15.07	15.07	15.2	DFT-S QPSK	15MHz	36	43	0-1	1
15.06	15.03	15.00	15.2	DFT-S QPSK	15MHz	75	0	0-1	1
14.99	15.05	14.90	15.2	DFT-S 16QAM	15MHz	1	1	0-1	1
13.55	13.59	13.59	13.7	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5
11.55	11.65	11.56	11.7	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5
14.49	14.60	14.52	14.7	CP QPSK	15MHz	1	1	0-1.5	1.5

NR Band n2										
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
371000	376000	381000	Channel							
1855	1880	1905	Freq. (MHz)							
16.05	16.10	16.02	16.2	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0	
15.91	15.99	16.03	16.2	DFT-S $\pi/2$ BPSK	10MHz	1	26	0	0	
15.96	15.90	15.91	16.2	DFT-S $\pi/2$ BPSK	10MHz	1	50	0	0	
15.47	15.45	15.45	15.7	DFT-S $\pi/2$ BPSK	10MHz	25	0	0-0.5	0.5	
15.98	16.00	15.95	16.2	DFT-S $\pi/2$ BPSK	10MHz	25	14	0	0	
15.47	15.42	15.43	15.7	DFT-S $\pi/2$ BPSK	10MHz	25	27	0-0.5	0.5	
15.27	15.41	15.25	15.7	DFT-S $\pi/2$ BPSK	10MHz	50	0	0-1	0.5	
16.18	16.17	16.10	16.2	DFT-S QPSK	10MHz	1	1	0	0	
16.08	16.06	15.99	16.2	DFT-S QPSK	10MHz	1	26	0	0	
15.98	16.01	15.97	16.2	DFT-S QPSK	10MHz	1	50	0	0	
15.08	15.09	15.03	15.2	DFT-S QPSK	10MHz	25	0	0-1	1	
16.04	16.10	16.11	16.2	DFT-S QPSK	10MHz	25	14	0	0	
15.08	15.10	15.00	15.2	DFT-S QPSK	10MHz	25	27	0-1	1	
15.03	15.04	14.96	15.2	DFT-S QPSK	10MHz	50	0	0-1	1	
14.98	14.98	14.92	15.2	DFT-S 16QAM	10MHz	1	1	0-1	1	
13.64	13.60	13.58	13.7	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5	
11.54	11.60	11.57	11.7	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5	
14.55	14.61	14.48	14.7	CP QPSK	10MHz	1	1	0-1.5	1.5	

NR Band n2									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
370500	376000	381500	Channel						
1852.5	1880	1907.5	Freq. (MHz)						
16.12	16.05	16.01	16.2	DFT-S $\pi/2$ BPSK	5MHz	1	1	0	0
15.91	15.99	15.96	16.2	DFT-S $\pi/2$ BPSK	5MHz	1	13	0	0
15.90	15.98	15.88	16.2	DFT-S $\pi/2$ BPSK	5MHz	1	23	0	0
15.42	15.44	15.41	15.7	DFT-S $\pi/2$ BPSK	5MHz	12	0	0-0.5	0.5
15.92	16.03	16.00	16.2	DFT-S $\pi/2$ BPSK	5MHz	12	7	0	0
15.48	15.41	15.38	15.7	DFT-S $\pi/2$ BPSK	5MHz	12	13	0-0.5	0.5
15.34	15.41	15.31	15.7	DFT-S $\pi/2$ BPSK	5MHz	25	0	0-1	0.5
16.10	16.17	16.07	16.2	DFT-S QPSK	5MHz	1	1	0	0
16.04	16.06	16.07	16.2	DFT-S QPSK	5MHz	1	13	0	0
15.94	16.03	15.94	16.2	DFT-S QPSK	5MHz	1	23	0	0
15.12	15.11	15.09	15.2	DFT-S QPSK	5MHz	12	0	0-1	1
16.08	16.11	16.01	16.2	DFT-S QPSK	5MHz	12	7	0	0
15.10	15.11	15.06	15.2	DFT-S QPSK	5MHz	12	13	0-1	1
15.07	15.05	15.00	15.2	DFT-S QPSK	5MHz	25	0	0-1	1
15.01	15.08	14.91	15.2	DFT-S 16QAM	5MHz	1	1	0-1	1
13.58	13.61	13.53	13.7	DFT-S 64QAM	5MHz	1	1	0-2.5	2.5
11.58	11.63	11.62	11.7	DFT-S 256QAM	5MHz	1	1	0-4.5	4.5
14.54	14.54	14.46	14.7	CP QPSK	5MHz	1	1	0-1.5	1.5

NR Band n5									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
166800	167300	167800	Channel						
834	836.5	839	Freq. (MHz)						
21.53	21.51	21.41	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0
21.30	21.43	21.36	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	53	0	0
21.29	21.40	21.35	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	104	0	0
20.94	20.88	20.82	21.9	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-0.5	0.5
21.42	21.39	21.32	22.4	DFT-S $\pi/2$ BPSK	20MHz	50	28	0	0
20.92	20.96	20.71	21.9	DFT-S $\pi/2$ BPSK	20MHz	50	56	0-0.5	0.5
20.46	20.50	20.21	21.9	DFT-S $\pi/2$ BPSK	20MHz	100	0	0-1	0.5
21.63	21.64	21.61	22.4	DFT-S QPSK	20MHz	1	1	0	0
21.49	21.37	21.34	22.4	DFT-S QPSK	20MHz	1	53	0	0
21.48	21.30	21.29	22.4	DFT-S QPSK	20MHz	1	104	0	0
20.74	20.49	20.45	21.4	DFT-S QPSK	20MHz	50	0	0-1	1
21.49	21.51	21.33	22.4	DFT-S QPSK	20MHz	50	28	0	0
20.58	20.25	20.44	21.4	DFT-S QPSK	20MHz	50	56	0-1	1
20.39	20.40	20.36	21.4	DFT-S QPSK	20MHz	100	0	0-1	1
20.54	20.20	20.29	21.4	DFT-S 16QAM	20MHz	1	1	0-1	1
18.89	18.65	18.91	19.9	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5
16.95	16.67	16.96	17.9	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5
19.87	19.64	19.89	20.9	CP QPSK	20MHz	1	1	0-1.5	1.5

NR Band n5									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
166300	167300	168300	Channel						
831.5	836.5	841.5	Freq. (MHz)						
21.43	21.47	21.39	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0
21.20	21.43	21.32	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	40	0	0
21.24	21.30	21.30	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	77	0	0
20.91	20.82	20.78	21.9	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-0.5	0.5
21.41	21.33	21.27	22.4	DFT-S $\pi/2$ BPSK	15MHz	36	22	0	0
20.92	20.87	20.67	21.9	DFT-S $\pi/2$ BPSK	15MHz	36	43	0-0.5	0.5
20.36	20.41	20.16	21.9	DFT-S $\pi/2$ BPSK	15MHz	75	0	0-1	0.5
21.63	21.55	21.58	22.4	DFT-S QPSK	15MHz	1	1	0	0
21.40	21.32	21.27	22.4	DFT-S QPSK	15MHz	1	40	0	0
21.39	21.20	21.28	22.4	DFT-S QPSK	15MHz	1	77	0	0
20.69	20.49	20.45	21.4	DFT-S QPSK	15MHz	36	0	0-1	1
21.40	21.33	21.26	22.4	DFT-S QPSK	15MHz	36	22	0	0
20.49	20.21	20.36	21.4	DFT-S QPSK	15MHz	36	43	0-1	1
20.36	20.09	20.33	21.4	DFT-S QPSK	15MHz	75	0	0-1	1
20.48	20.11	20.28	21.4	DFT-S 16QAM	15MHz	1	1	0-1	1
18.80	18.57	18.85	19.9	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5
16.89	16.65	16.88	17.9	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5
19.87	19.61	19.80	20.9	CP QPSK	15MHz	1	1	0-1.5	1.5

NR Band n5									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
165800	167300	168800	Channel						
829	836.5	844	Freq. (MHz)						
21.53	21.41	21.34	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0
21.30	21.43	21.27	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	26	0	0
21.26	21.34	21.34	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	50	0	0
20.90	20.80	20.82	21.9	DFT-S $\pi/2$ BPSK	10MHz	25	0	0-0.5	0.5
21.37	21.31	21.32	22.4	DFT-S $\pi/2$ BPSK	10MHz	25	14	0	0
20.83	20.96	20.62	21.9	DFT-S $\pi/2$ BPSK	10MHz	25	27	0-0.5	0.5
20.42	20.50	20.20	21.9	DFT-S $\pi/2$ BPSK	10MHz	50	0	0-1	0.5
21.60	21.60	21.55	22.4	DFT-S QPSK	10MHz	1	1	0	0
21.39	21.37	21.27	22.4	DFT-S QPSK	10MHz	1	26	0	0
21.48	21.23	21.19	22.4	DFT-S QPSK	10MHz	1	50	0	0
20.71	20.45	20.44	21.4	DFT-S QPSK	10MHz	25	0	0-1	1
21.49	21.29	21.26	22.4	DFT-S QPSK	10MHz	25	14	0	0
20.56	20.16	20.35	21.4	DFT-S QPSK	10MHz	25	27	0-1	1
20.37	20.06	20.32	21.4	DFT-S QPSK	10MHz	50	0	0-1	1
20.48	20.13	20.23	21.4	DFT-S 16QAM	10MHz	1	1	0-1	1
18.84	18.63	18.91	19.9	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5
16.90	16.59	16.87	17.9	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5
19.87	19.61	19.89	20.9	CP QPSK	10MHz	1	1	0-1.5	1.5

NR Band n5								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
165300	167300	169300	Channel						
826.5	836.5	846.5	Freq. (MHz)						
21.43	21.41	21.39	22.4	DFT-S $\pi/2$ BPSK	5MHz	1	1	0	0
21.24	21.41	21.28	22.4	DFT-S $\pi/2$ BPSK	5MHz	1	13	0	0
21.22	21.38	21.29	22.4	DFT-S $\pi/2$ BPSK	5MHz	1	23	0	0
20.91	20.84	20.76	21.9	DFT-S $\pi/2$ BPSK	5MHz	12	0	0-0.5	0.5
21.36	21.37	21.31	22.4	DFT-S $\pi/2$ BPSK	5MHz	12	7	0	0
20.90	20.86	20.66	21.9	DFT-S $\pi/2$ BPSK	5MHz	12	13	0-0.5	0.5
20.36	20.43	20.14	21.9	DFT-S $\pi/2$ BPSK	5MHz	25	0	0-1	0.5
21.59	21.59	21.56	22.4	DFT-S QPSK	5MHz	1	1	0	0
21.48	21.31	21.24	22.4	DFT-S QPSK	5MHz	1	13	0	0
21.43	21.24	21.23	22.4	DFT-S QPSK	5MHz	1	23	0	0
20.67	20.48	20.44	21.4	DFT-S QPSK	5MHz	12	0	0-1	1
21.49	21.28	21.28	22.4	DFT-S QPSK	5MHz	12	7	0	0
20.57	20.16	20.40	21.4	DFT-S QPSK	5MHz	12	13	0-1	1
20.38	20.12	20.30	21.4	DFT-S QPSK	5MHz	25	0	0-1	1
20.54	20.11	20.24	21.4	DFT-S 16QAM	5MHz	1	1	0-1	1
18.79	18.64	18.87	19.9	DFT-S 64QAM	5MHz	1	1	0-2.5	2.5
16.91	16.59	16.95	17.9	DFT-S 256QAM	5MHz	1	1	0-4.5	4.5
19.79	19.62	19.85	20.9	CP QPSK	5MHz	1	1	0-1.5	1.5

NR Band n7									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
502000	507000	512000	Channel						
2510	2535	2560	Freq. (MHz)						
16.05	16.25	16.11	16.9	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0
15.93	16.17	16.11	16.9	DFT-S $\pi/2$ BPSK	20MHz	1	53	0	0
15.91	16.11	16.06	16.9	DFT-S $\pi/2$ BPSK	20MHz	1	104	0	0
15.40	15.62	15.55	16.4	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-0.5	0.5
15.99	16.23	16.06	16.9	DFT-S $\pi/2$ BPSK	20MHz	50	28	0	0
15.44	15.69	15.54	16.4	DFT-S $\pi/2$ BPSK	20MHz	50	56	0-0.5	0.5
15.38	15.31	15.37	16.4	DFT-S $\pi/2$ BPSK	20MHz	100	0	0-1	0.5
16.11	16.47	16.25	16.9	DFT-S QPSK	20MHz	1	1	0	0
16.03	16.44	16.09	16.9	DFT-S QPSK	20MHz	1	53	0	0
16.03	16.37	16.02	16.9	DFT-S QPSK	20MHz	1	104	0	0
15.30	15.57	15.12	15.9	DFT-S QPSK	20MHz	50	0	0-1	1
16.05	16.35	16.15	16.9	DFT-S QPSK	20MHz	50	28	0	0
15.08	15.27	15.13	15.9	DFT-S QPSK	20MHz	50	56	0-1	1
14.96	15.18	15.12	15.9	DFT-S QPSK	20MHz	100	0	0-1	1
14.98	15.30	15.03	15.9	DFT-S 16QAM	20MHz	1	1	0-1	1
13.47	13.76	13.66	14.4	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5
11.52	11.74	11.63	12.4	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5
14.48	14.76	14.59	15.4	CP QPSK	20MHz	1	1	0-1.5	1.5

NR Band n7									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
501500	507000	512500	Channel						
2507.5	2535	2562.5	Freq. (MHz)						
15.95	16.18	16.08	16.9	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0
15.84	16.15	16.10	16.9	DFT-S $\pi/2$ BPSK	15MHz	1	40	0	0
15.86	16.05	16.02	16.9	DFT-S $\pi/2$ BPSK	15MHz	1	77	0	0
15.38	15.60	15.48	16.4	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-0.5	0.5
15.98	16.18	15.96	16.9	DFT-S $\pi/2$ BPSK	15MHz	36	22	0	0
15.44	15.59	15.51	16.4	DFT-S $\pi/2$ BPSK	15MHz	36	43	0-0.5	0.5
15.36	15.29	15.27	16.4	DFT-S $\pi/2$ BPSK	15MHz	75	0	0-1	0.5
16.07	16.37	16.18	16.9	DFT-S QPSK	15MHz	1	1	0	0
16.02	16.43	16.05	16.9	DFT-S QPSK	15MHz	1	40	0	0
15.98	16.31	16.02	16.9	DFT-S QPSK	15MHz	1	77	0	0
15.28	15.56	15.05	15.9	DFT-S QPSK	15MHz	36	0	0-1	1
15.98	16.25	16.13	16.9	DFT-S QPSK	15MHz	36	22	0	0
15.03	15.19	15.12	15.9	DFT-S QPSK	15MHz	36	43	0-1	1
14.96	15.10	15.09	15.9	DFT-S QPSK	15MHz	75	0	0-1	1
14.95	15.27	14.98	15.9	DFT-S 16QAM	15MHz	1	1	0-1	1
13.45	13.66	13.60	14.4	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5
11.47	11.72	11.59	12.4	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5
14.41	14.73	14.51	15.4	CP QPSK	15MHz	1	1	0-1.5	1.5

NR Band n7									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
501000	507000	513000	Channel						
2505	2535	2565	Freq. (MHz)						
16.04	16.17	16.08	16.9	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0
15.91	16.11	16.08	16.9	DFT-S $\pi/2$ BPSK	10MHz	1	26	0	0
15.81	16.08	15.99	16.9	DFT-S $\pi/2$ BPSK	10MHz	1	50	0	0
15.36	15.52	15.55	16.4	DFT-S $\pi/2$ BPSK	10MHz	25	0	0-0.5	0.5
15.99	16.13	16.00	16.9	DFT-S $\pi/2$ BPSK	10MHz	25	14	0	0
15.36	15.61	15.54	16.4	DFT-S $\pi/2$ BPSK	10MHz	25	27	0-0.5	0.5
15.32	15.29	15.30	16.4	DFT-S $\pi/2$ BPSK	10MHz	50	0	0-1	0.5
16.06	16.38	16.20	16.9	DFT-S QPSK	10MHz	1	1	0	0
16.01	16.38	16.07	16.9	DFT-S QPSK	10MHz	1	26	0	0
15.95	16.37	16.00	16.9	DFT-S QPSK	10MHz	1	50	0	0
15.30	15.50	15.04	15.9	DFT-S QPSK	10MHz	25	0	0-1	1
15.95	16.33	16.15	16.9	DFT-S QPSK	10MHz	25	14	0	0
15.06	15.20	15.08	15.9	DFT-S QPSK	10MHz	25	27	0-1	1
14.96	15.08	15.04	15.9	DFT-S QPSK	10MHz	50	0	0-1	1
14.92	15.29	14.99	15.9	DFT-S 16QAM	10MHz	1	1	0-1	1
13.40	13.68	13.56	14.4	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5
11.42	11.70	11.54	12.4	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5
14.40	14.73	14.59	15.4	CP QPSK	10MHz	1	1	0-1.5	1.5

NR Band n7								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
500500	507000	513500	Channel						
2502.5	2535	2567.5	Freq. (MHz)						
15.96	16.24	16.10	16.9	DFT-S $\pi/2$ BPSK	5MHz	1	1	0	0
15.90	16.11	16.08	16.9	DFT-S $\pi/2$ BPSK	5MHz	1	13	0	0
15.83	16.05	15.99	16.9	DFT-S $\pi/2$ BPSK	5MHz	1	23	0	0
15.37	15.58	15.53	16.4	DFT-S $\pi/2$ BPSK	5MHz	12	0	0-0.5	0.5
15.95	16.16	15.98	16.9	DFT-S $\pi/2$ BPSK	5MHz	12	7	0	0
15.35	15.65	15.49	16.4	DFT-S $\pi/2$ BPSK	5MHz	12	13	0-0.5	0.5
15.32	15.31	15.27	16.4	DFT-S $\pi/2$ BPSK	5MHz	25	0	0-1	0.5
16.06	16.44	16.15	16.9	DFT-S QPSK	5MHz	1	1	0	0
15.99	16.44	16.03	16.9	DFT-S QPSK	5MHz	1	13	0	0
15.97	16.32	16.00	16.9	DFT-S QPSK	5MHz	1	23	0	0
15.27	15.51	15.02	15.9	DFT-S QPSK	5MHz	12	0	0-1	1
15.95	16.33	16.14	16.9	DFT-S QPSK	5MHz	12	7	0	0
15.07	15.19	15.11	15.9	DFT-S QPSK	5MHz	12	13	0-1	1
14.90	15.18	15.03	15.9	DFT-S QPSK	5MHz	25	0	0-1	1
14.89	15.24	14.95	15.9	DFT-S 16QAM	5MHz	1	1	0-1	1
13.41	13.66	13.66	14.4	DFT-S 64QAM	5MHz	1	1	0-2.5	2.5
11.52	11.67	11.59	12.4	DFT-S 256QAM	5MHz	1	1	0-4.5	4.5
14.39	14.72	14.52	15.4	CP QPSK	5MHz	1	1	0-1.5	1.5

NR Band n25									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
372000	376500	381000	Channel						
1860	1882.5	1905	Freq. (MHz)						
16.45	16.50	16.42	16.7	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0
16.41	16.44	16.41	16.7	DFT-S $\pi/2$ BPSK	20MHz	1	53	0	0
16.38	16.44	16.40	16.7	DFT-S $\pi/2$ BPSK	20MHz	1	104	0	0
15.89	15.88	15.84	16.2	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-0.5	0.5
16.40	16.51	16.36	16.7	DFT-S $\pi/2$ BPSK	20MHz	50	28	0	0
15.92	15.95	15.79	16.2	DFT-S $\pi/2$ BPSK	20MHz	50	56	0-0.5	0.5
15.81	15.57	15.65	16.2	DFT-S $\pi/2$ BPSK	20MHz	100	0	0-1	0.5
16.67	16.69	16.58	16.7	DFT-S QPSK	20MHz	1	1	0	0
16.49	16.66	16.34	16.7	DFT-S QPSK	20MHz	1	53	0	0
16.45	16.63	16.28	16.7	DFT-S QPSK	20MHz	1	104	0	0
15.53	15.59	15.41	15.7	DFT-S QPSK	20MHz	50	0	0-1	1
16.47	16.59	16.40	16.7	DFT-S QPSK	20MHz	50	28	0	0
15.56	15.57	15.46	15.7	DFT-S QPSK	20MHz	50	56	0-1	1
15.46	15.43	15.42	15.7	DFT-S QPSK	20MHz	100	0	0-1	1
15.39	15.59	15.37	15.7	DFT-S 16QAM	20MHz	1	1	0-1	1
13.95	14.01	13.98	14.2	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5
11.99	12.06	11.95	12.2	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5
14.94	15.10	14.83	15.2	CP QPSK	20MHz	1	1	0-1.5	1.5

NR Band n25									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
371500	376500	381500	Channel						
1857.5	1882.5	1907.5	Freq. (MHz)						
16.41	16.45	16.38	16.7	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0
16.34	16.36	16.33	16.7	DFT-S $\pi/2$ BPSK	15MHz	1	40	0	0
16.33	16.42	16.32	16.7	DFT-S $\pi/2$ BPSK	15MHz	1	77	0	0
15.79	15.86	15.75	16.2	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-0.5	0.5
16.36	16.41	16.31	16.7	DFT-S $\pi/2$ BPSK	15MHz	36	22	0	0
15.82	15.92	15.72	16.2	DFT-S $\pi/2$ BPSK	15MHz	36	43	0-0.5	0.5
15.71	15.56	15.56	16.2	DFT-S $\pi/2$ BPSK	15MHz	75	0	0-1	0.5
16.67	16.60	16.58	16.7	DFT-S QPSK	15MHz	1	1	0	0
16.41	16.59	16.30	16.7	DFT-S QPSK	15MHz	1	40	0	0
16.41	16.56	16.23	16.7	DFT-S QPSK	15MHz	1	77	0	0
15.44	15.55	15.40	15.7	DFT-S QPSK	15MHz	36	0	0-1	1
16.39	16.49	16.40	16.7	DFT-S QPSK	15MHz	36	22	0	0
15.53	15.48	15.40	15.7	DFT-S QPSK	15MHz	36	43	0-1	1
15.42	15.33	15.32	15.7	DFT-S QPSK	15MHz	75	0	0-1	1
15.33	15.54	15.31	15.7	DFT-S 16QAM	15MHz	1	1	0-1	1
13.85	13.94	13.91	14.2	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5
11.91	11.97	11.92	12.2	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5
14.88	15.02	14.77	15.2	CP QPSK	15MHz	1	1	0-1.5	1.5

NR Band n25									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
371000	376500	382000	Channel						
1855	1882.5	1910	Freq. (MHz)						
16.44	16.49	16.34	16.7	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0
16.36	16.43	16.38	16.7	DFT-S $\pi/2$ BPSK	10MHz	1	26	0	0
16.31	16.41	16.38	16.7	DFT-S $\pi/2$ BPSK	10MHz	1	50	0	0
15.79	15.87	15.74	16.2	DFT-S $\pi/2$ BPSK	10MHz	25	0	0-0.5	0.5
16.33	16.41	16.29	16.7	DFT-S $\pi/2$ BPSK	10MHz	25	14	0	0
15.85	15.92	15.70	16.2	DFT-S $\pi/2$ BPSK	10MHz	25	27	0-0.5	0.5
15.71	15.51	15.59	16.2	DFT-S $\pi/2$ BPSK	10MHz	50	0	0-1	0.5
16.61	16.67	16.54	16.7	DFT-S QPSK	10MHz	1	1	0	0
16.39	16.65	16.28	16.7	DFT-S QPSK	10MHz	1	26	0	0
16.35	16.63	16.19	16.7	DFT-S QPSK	10MHz	1	50	0	0
15.53	15.56	15.40	15.7	DFT-S QPSK	10MHz	25	0	0-1	1
16.39	16.58	16.35	16.7	DFT-S QPSK	10MHz	25	14	0	0
15.56	15.49	15.46	15.7	DFT-S QPSK	10MHz	25	27	0-1	1
15.41	15.41	15.37	15.7	DFT-S QPSK	10MHz	50	0	0-1	1
15.31	15.58	15.29	15.7	DFT-S 16QAM	10MHz	1	1	0-1	1
13.95	13.94	13.91	14.2	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5
11.91	11.98	11.89	12.2	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5
14.86	15.06	14.81	15.2	CP QPSK	10MHz	1	1	0-1.5	1.5

NR Band n25									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
370500	376500	382500	Channel						
1852.5	1882.5	1912.5	Freq. (MHz)						
16.35	16.45	16.39	16.7	DFT-S $\pi/2$ BPSK	5MHz	1	1	0	0
16.40	16.44	16.40	16.7	DFT-S $\pi/2$ BPSK	5MHz	1	13	0	0
16.33	16.36	16.40	16.7	DFT-S $\pi/2$ BPSK	5MHz	1	23	0	0
15.89	15.85	15.81	16.2	DFT-S $\pi/2$ BPSK	5MHz	12	0	0-0.5	0.5
16.38	16.50	16.26	16.7	DFT-S $\pi/2$ BPSK	5MHz	12	7	0	0
15.83	15.90	15.76	16.2	DFT-S $\pi/2$ BPSK	5MHz	12	13	0-0.5	0.5
15.79	15.50	15.61	16.2	DFT-S $\pi/2$ BPSK	5MHz	25	0	0-1	0.5
16.62	16.66	16.49	16.7	DFT-S QPSK	5MHz	1	1	0	0
16.47	16.57	16.31	16.7	DFT-S QPSK	5MHz	1	13	0	0
16.43	16.56	16.28	16.7	DFT-S QPSK	5MHz	1	23	0	0
15.53	15.49	15.39	15.7	DFT-S QPSK	5MHz	12	0	0-1	1
16.45	16.55	16.32	16.7	DFT-S QPSK	5MHz	12	7	0	0
15.55	15.53	15.36	15.7	DFT-S QPSK	5MHz	12	13	0-1	1
15.41	15.43	15.34	15.7	DFT-S QPSK	5MHz	25	0	0-1	1
15.39	15.52	15.34	15.7	DFT-S 16QAM	5MHz	1	1	0-1	1
13.87	13.97	13.94	14.2	DFT-S 64QAM	5MHz	1	1	0-2.5	2.5
11.92	12.01	11.92	12.2	DFT-S 256QAM	5MHz	1	1	0-4.5	4.5
14.89	15.03	14.82	15.2	CP QPSK	5MHz	1	1	0-1.5	1.5

NR Band n30							MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
462000	Channel							
2310	Freq. (MHz)							
16.06	16.1	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0	
16.02	16.1	DFT-S $\pi/2$ BPSK	10MHz	1	26	0	0	
15.93	16.1	DFT-S $\pi/2$ BPSK	10MHz	1	50	0	0	
15.49	15.6	DFT-S $\pi/2$ BPSK	10MHz	25	0	0-0.5	0.5	
16.00	16.1	DFT-S $\pi/2$ BPSK	10MHz	25	14	0	0	
15.47	15.6	DFT-S $\pi/2$ BPSK	10MHz	25	27	0-0.5	0.5	
15.39	15.6	DFT-S $\pi/2$ BPSK	10MHz	50	0	0-1	0.5	
16.09	16.1	DFT-S QPSK	10MHz	1	1	0	0	
16.05	16.1	DFT-S QPSK	10MHz	1	26	0	0	
16.01	16.1	DFT-S QPSK	10MHz	1	50	0	0	
15.05	15.1	DFT-S QPSK	10MHz	25	0	0-1	1	
16.06	16.1	DFT-S QPSK	10MHz	25	14	0	0	
15.10	15.1	DFT-S QPSK	10MHz	25	27	0-1	1	
15.02	15.1	DFT-S QPSK	10MHz	50	0	0-1	1	
15.08	15.1	DFT-S 16QAM	10MHz	1	1	0-1	1	
13.55	13.6	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5	
11.59	11.6	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5	
14.55	14.6	CP QPSK	10MHz	1	1	0-1.5	1.5	

NR Band n30									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
461500	462000	462500	Channel						
2307.5	2310	2312.5	Freq. (MHz)						
16.01	16.03	16.02	16.1	DFT-S $\pi/2$ BPSK	5MHz	1	1	0	0
15.99	16.02	16.00	16.1	DFT-S $\pi/2$ BPSK	5MHz	1	13	0	0
15.89	15.84	15.84	16.1	DFT-S $\pi/2$ BPSK	5MHz	1	23	0	0
15.39	15.39	15.47	15.6	DFT-S $\pi/2$ BPSK	5MHz	12	0	0-0.5	0.5
15.97	15.98	15.96	16.1	DFT-S $\pi/2$ BPSK	5MHz	12	7	0	0
15.40	15.38	15.46	15.6	DFT-S $\pi/2$ BPSK	5MHz	12	13	0-0.5	0.5
15.35	15.29	15.36	15.6	DFT-S $\pi/2$ BPSK	5MHz	25	0	0-1	0.5
16.08	16.06	15.99	16.1	DFT-S QPSK	5MHz	1	1	0	0
15.96	15.99	16.01	16.1	DFT-S QPSK	5MHz	1	13	0	0
15.96	15.96	16.03	16.1	DFT-S QPSK	5MHz	1	23	0	0
15.00	15.01	15.00	15.1	DFT-S QPSK	5MHz	12	0	0-1	1
15.97	15.96	16.01	16.1	DFT-S QPSK	5MHz	12	7	0	0
15.07	15.05	15.08	15.1	DFT-S QPSK	5MHz	12	13	0-1	1
14.99	14.98	15.00	15.1	DFT-S QPSK	5MHz	25	0	0-1	1
15.02	15.07	14.99	15.1	DFT-S 16QAM	5MHz	1	1	0-1	1
13.53	13.48	13.52	13.6	DFT-S 64QAM	5MHz	1	1	0-2.5	2.5
11.51	11.59	11.57	11.6	DFT-S 256QAM	5MHz	1	1	0-4.5	4.5
14.46	14.49	14.55	14.6	CP QPSK	5MHz	1	1	0-1.5	1.5

NR Band n66									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
344000	349000	354000	Channel						
1720	1745	1770	Freq. (MHz)						
15.86	16.02	15.94	16.1	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0
15.70	15.98	15.92	16.1	DFT-S $\pi/2$ BPSK	20MHz	1	53	0	0
15.68	15.97	15.91	16.1	DFT-S $\pi/2$ BPSK	20MHz	1	104	0	0
15.25	15.39	15.36	15.6	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-0.5	0.5
15.76	15.92	15.91	16.1	DFT-S $\pi/2$ BPSK	20MHz	50	28	0	0
15.30	15.48	15.30	15.6	DFT-S $\pi/2$ BPSK	20MHz	50	56	0-0.5	0.5
14.80	15.09	14.81	15.6	DFT-S $\pi/2$ BPSK	20MHz	100	0	0-1	0.5
15.99	16.09	16.04	16.1	DFT-S QPSK	20MHz	1	1	0	0
15.79	15.90	15.89	16.1	DFT-S QPSK	20MHz	1	53	0	0
15.87	15.87	15.82	16.1	DFT-S QPSK	20MHz	1	104	0	0
15.09	15.05	14.98	15.1	DFT-S QPSK	20MHz	50	0	0-1	1
15.83	15.94	15.92	16.1	DFT-S QPSK	20MHz	50	28	0	0
14.88	14.75	14.95	15.1	DFT-S QPSK	20MHz	50	56	0-1	1
14.74	14.97	14.88	15.1	DFT-S QPSK	20MHz	100	0	0-1	1
14.84	14.79	14.84	15.1	DFT-S 16QAM	20MHz	1	1	0-1	1
13.29	13.24	13.49	13.6	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5
11.33	11.17	11.47	11.6	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5
14.26	14.17	14.40	14.6	CP QPSK	20MHz	1	1	0-1.5	1.5

NR Band n66									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
343500	349000	354500	Channel						
1717.5	1745	1772.5	Freq. (MHz)						
15.82	16.02	15.90	16.1	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0
15.67	15.92	15.88	16.1	DFT-S $\pi/2$ BPSK	15MHz	1	40	0	0
15.66	15.90	15.91	16.1	DFT-S $\pi/2$ BPSK	15MHz	1	77	0	0
15.22	15.39	15.30	15.6	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-0.5	0.5
15.68	15.86	15.91	16.1	DFT-S $\pi/2$ BPSK	15MHz	36	22	0	0
15.26	15.47	15.21	15.6	DFT-S $\pi/2$ BPSK	15MHz	36	43	0-0.5	0.5
14.72	15.09	14.74	15.6	DFT-S $\pi/2$ BPSK	15MHz	75	0	0-1	0.5
15.96	16.07	16.04	16.1	DFT-S QPSK	15MHz	1	1	0	0
15.69	15.89	15.85	16.1	DFT-S QPSK	15MHz	1	40	0	0
15.81	15.79	15.82	16.1	DFT-S QPSK	15MHz	1	77	0	0
15.01	14.98	14.89	15.1	DFT-S QPSK	15MHz	36	0	0-1	1
15.83	15.92	15.83	16.1	DFT-S QPSK	15MHz	36	22	0	0
14.85	14.75	14.94	15.1	DFT-S QPSK	15MHz	36	43	0-1	1
14.68	14.57	14.94	15.1	DFT-S QPSK	15MHz	75	0	0-1	1
14.77	14.79	14.74	15.1	DFT-S 16QAM	15MHz	1	1	0-1	1
13.21	13.18	13.46	13.6	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5
11.30	11.15	11.39	11.6	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5
14.26	14.11	14.31	14.6	CP QPSK	15MHz	1	1	0-1.5	1.5

NR Band n66									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
343000	349000	355000	Channel						
1715	1745	1775	Freq. (MHz)						
15.77	16.02	15.90	16.1	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0
15.66	15.92	15.91	16.1	DFT-S $\pi/2$ BPSK	10MHz	1	26	0	0
15.68	15.94	15.81	16.1	DFT-S $\pi/2$ BPSK	10MHz	1	50	0	0
15.22	15.29	15.33	15.6	DFT-S $\pi/2$ BPSK	10MHz	25	0	0-0.5	0.5
15.70	15.81	15.87	16.1	DFT-S $\pi/2$ BPSK	10MHz	25	14	0	0
15.28	15.42	15.24	15.6	DFT-S $\pi/2$ BPSK	10MHz	25	27	0-0.5	0.5
14.71	15.07	14.73	15.6	DFT-S $\pi/2$ BPSK	10MHz	50	0	0-1	0.5
15.91	16.01	16.01	16.1	DFT-S QPSK	10MHz	1	1	0	0
15.79	15.85	15.85	16.1	DFT-S QPSK	10MHz	1	26	0	0
15.84	15.85	15.76	16.1	DFT-S QPSK	10MHz	1	50	0	0
15.03	15.03	14.88	15.1	DFT-S QPSK	10MHz	25	0	0-1	1
15.74	15.94	15.87	16.1	DFT-S QPSK	10MHz	25	14	0	0
14.87	14.73	14.91	15.1	DFT-S QPSK	10MHz	25	27	0-1	1
14.64	14.64	14.90	15.1	DFT-S QPSK	10MHz	50	0	0-1	1
14.83	14.72	14.79	15.1	DFT-S 16QAM	10MHz	1	1	0-1	1
13.27	13.22	13.48	13.6	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5
11.24	11.17	11.43	11.6	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5
14.22	14.11	14.30	14.6	CP QPSK	10MHz	1	1	0-1.5	1.5

NR Band n66									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
342500	349000	355500	Channel						
1712.5	1745	1777.5	Freq. (MHz)						
15.83	15.99	15.88	16.1	DFT-S $\pi/2$ BPSK	5MHz	1	1	0	0
15.67	15.92	15.90	16.1	DFT-S $\pi/2$ BPSK	5MHz	1	13	0	0
15.62	15.91	15.84	16.1	DFT-S $\pi/2$ BPSK	5MHz	1	23	0	0
15.22	15.30	15.26	15.6	DFT-S $\pi/2$ BPSK	5MHz	12	0	0-0.5	0.5
15.71	15.83	15.89	16.1	DFT-S $\pi/2$ BPSK	5MHz	12	7	0	0
15.27	15.48	15.22	15.6	DFT-S $\pi/2$ BPSK	5MHz	12	13	0-0.5	0.5
14.79	15.08	14.76	15.6	DFT-S $\pi/2$ BPSK	5MHz	25	0	0-1	0.5
15.90	16.08	16.03	16.1	DFT-S QPSK	5MHz	1	1	0	0
15.72	15.83	15.87	16.1	DFT-S QPSK	5MHz	1	13	0	0
15.80	15.86	15.74	16.1	DFT-S QPSK	5MHz	1	23	0	0
15.08	14.97	14.91	15.1	DFT-S QPSK	5MHz	12	0	0-1	1
15.76	15.86	15.86	16.1	DFT-S QPSK	5MHz	12	7	0	0
14.86	14.68	14.94	15.1	DFT-S QPSK	5MHz	12	13	0-1	1
14.72	14.58	14.94	15.1	DFT-S QPSK	5MHz	25	0	0-1	1
14.83	14.76	14.74	15.1	DFT-S 16QAM	5MHz	1	1	0-1	1
13.22	13.21	13.40	13.6	DFT-S 64QAM	5MHz	1	1	0-2.5	2.5
11.25	11.17	11.47	11.6	DFT-S 256QAM	5MHz	1	1	0-4.5	4.5
14.18	14.07	14.39	14.6	CP QPSK	5MHz	1	1	0-1.5	1.5

NR Band n71									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
134600	136100	137600	Channel						
673	680.5	688	Freq. (MHz)						
21.84	21.73	21.64	22.3	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0
21.58	21.67	21.67	22.3	DFT-S $\pi/2$ BPSK	20MHz	1	53	0	0
21.56	21.65	21.61	22.3	DFT-S $\pi/2$ BPSK	20MHz	1	104	0	0
21.19	21.11	21.09	21.8	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-0.5	0.5
21.69	21.70	21.62	22.3	DFT-S $\pi/2$ BPSK	20MHz	50	28	0	0
21.22	21.26	21.00	21.8	DFT-S $\pi/2$ BPSK	20MHz	50	56	0-0.5	0.5
20.76	20.75	20.50	21.8	DFT-S $\pi/2$ BPSK	20MHz	100	0	0-1	0.5
21.83	21.89	21.85	22.3	DFT-S QPSK	20MHz	1	1	0	0
21.79	21.63	21.65	22.3	DFT-S QPSK	20MHz	1	53	0	0
21.72	21.61	21.52	22.3	DFT-S QPSK	20MHz	1	104	0	0
21.03	20.81	20.75	21.3	DFT-S QPSK	20MHz	50	0	0-1	1
21.73	21.74	21.63	22.3	DFT-S QPSK	20MHz	50	28	0	0
20.82	20.55	20.68	21.3	DFT-S QPSK	20MHz	50	56	0-1	1
20.65	20.66	20.65	21.3	DFT-S QPSK	20MHz	100	0	0-1	1
20.78	20.45	20.59	21.3	DFT-S 16QAM	20MHz	1	1	0-1	1
19.19	18.95	19.15	19.8	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5
17.19	16.91	17.28	17.8	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5
20.10	19.93	20.21	20.8	CP QPSK	20MHz	1	1	0-1.5	1.5

NR Band n71									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
134100	136100	138100	Channel						
670.5	680.5	690.5	Freq. (MHz)						
21.84	21.69	21.55	22.3	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0
21.56	21.59	21.57	22.3	DFT-S $\pi/2$ BPSK	15MHz	1	40	0	0
21.49	21.56	21.55	22.3	DFT-S $\pi/2$ BPSK	15MHz	1	77	0	0
21.10	21.08	21.03	21.8	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-0.5	0.5
21.72	21.57	21.56	22.3	DFT-S $\pi/2$ BPSK	15MHz	36	22	0	0
21.19	21.26	20.91	21.8	DFT-S $\pi/2$ BPSK	15MHz	36	43	0-0.5	0.5
20.73	20.70	20.47	21.8	DFT-S $\pi/2$ BPSK	15MHz	75	0	0-1	0.5
21.80	21.81	21.84	22.3	DFT-S QPSK	15MHz	1	1	0	0
21.70	21.62	21.60	22.3	DFT-S QPSK	15MHz	1	40	0	0
21.67	21.51	21.46	22.3	DFT-S QPSK	15MHz	1	77	0	0
20.93	20.81	20.70	21.3	DFT-S QPSK	15MHz	36	0	0-1	1
21.67	21.59	21.56	22.3	DFT-S QPSK	15MHz	36	22	0	0
20.75	20.51	20.62	21.3	DFT-S QPSK	15MHz	36	43	0-1	1
20.61	20.36	20.61	21.3	DFT-S QPSK	15MHz	75	0	0-1	1
20.77	20.38	20.51	21.3	DFT-S 16QAM	15MHz	1	1	0-1	1
19.14	18.88	19.07	19.8	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5
17.18	16.86	17.18	17.8	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5
20.09	19.91	20.20	20.8	CP QPSK	15MHz	1	1	0-1.5	1.5

NR Band n71								MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset		
133600	136100	138600	Channel						
668	680.5	693	Freq. (MHz)						
21.83	21.72	21.59	22.3	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0
21.53	21.63	21.58	22.3	DFT-S $\pi/2$ BPSK	10MHz	1	26	0	0
21.46	21.59	21.52	22.3	DFT-S $\pi/2$ BPSK	10MHz	1	50	0	0
21.10	21.05	21.02	21.8	DFT-S $\pi/2$ BPSK	10MHz	25	0	0-0.5	0.5
21.67	21.62	21.64	22.3	DFT-S $\pi/2$ BPSK	10MHz	25	14	0	0
21.18	21.22	21.00	21.8	DFT-S $\pi/2$ BPSK	10MHz	25	27	0-0.5	0.5
20.71	20.66	20.47	21.8	DFT-S $\pi/2$ BPSK	10MHz	50	0	0-1	0.5
21.80	21.83	21.85	22.3	DFT-S QPSK	10MHz	1	1	0	0
21.70	21.57	21.56	22.3	DFT-S QPSK	10MHz	1	26	0	0
21.69	21.51	21.49	22.3	DFT-S QPSK	10MHz	1	50	0	0
21.01	20.75	20.68	21.3	DFT-S QPSK	10MHz	25	0	0-1	1
21.73	21.64	21.55	22.3	DFT-S QPSK	10MHz	25	14	0	0
20.77	20.47	20.59	21.3	DFT-S QPSK	10MHz	25	27	0-1	1
20.60	20.34	20.62	21.3	DFT-S QPSK	10MHz	50	0	0-1	1
20.68	20.42	20.56	21.3	DFT-S 16QAM	10MHz	1	1	0-1	1
19.13	18.86	19.07	19.8	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5
17.09	16.89	17.19	17.8	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5
20.07	19.83	20.12	20.8	CP QPSK	10MHz	1	1	0-1.5	1.5

NR Band n71										
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
133100	136100	139100	Channel							
665.5	680.5	695.5	Freq. (MHz)							
21.83	21.71	21.58	22.3	DFT-S $\pi/2$ BPSK	5MHz	1	1	0	0	
21.50	21.61	21.60	22.3	DFT-S $\pi/2$ BPSK	5MHz	1	13	0	0	
21.49	21.58	21.56	22.3	DFT-S $\pi/2$ BPSK	5MHz	1	23	0	0	
21.14	21.09	21.04	21.8	DFT-S $\pi/2$ BPSK	5MHz	12	0	0-0.5	0.5	
21.72	21.65	21.57	22.3	DFT-S $\pi/2$ BPSK	5MHz	12	7	0	0	
21.16	21.22	20.93	21.8	DFT-S $\pi/2$ BPSK	5MHz	12	13	0-0.5	0.5	
20.66	20.69	20.46	21.8	DFT-S $\pi/2$ BPSK	5MHz	25	0	0-1	0.5	
21.77	21.82	21.79	22.3	DFT-S QPSK	5MHz	1	1	0	0	
21.72	21.53	21.55	22.3	DFT-S QPSK	5MHz	1	13	0	0	
21.65	21.56	21.43	22.3	DFT-S QPSK	5MHz	1	23	0	0	
20.95	20.73	20.75	21.3	DFT-S QPSK	5MHz	12	0	0-1	1	
21.71	21.60	21.58	22.3	DFT-S QPSK	5MHz	12	7	0	0	
20.81	20.51	20.59	21.3	DFT-S QPSK	5MHz	12	13	0-1	1	
20.62	20.30	20.55	21.3	DFT-S QPSK	5MHz	25	0	0-1	1	
20.73	20.45	20.53	21.3	DFT-S 16QAM	5MHz	1	1	0-1	1	
19.18	18.91	19.08	19.8	DFT-S 64QAM	5MHz	1	1	0-2.5	2.5	
17.11	16.86	17.19	17.8	DFT-S 256QAM	5MHz	1	1	0-4.5	4.5	
20.04	19.90	20.14	20.8	CP QPSK	5MHz	1	1	0-1.5	1.5	

NR Band n38									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
516000	519000	522000	Channel						
2580	2595	2610	Freq. (MHz)						
23.28	23.42	23.33	25	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0
23.24	23.41	23.34	25	DFT-S $\pi/2$ BPSK	20MHz	1	26	0	0
23.23	23.33	23.32	25	DFT-S $\pi/2$ BPSK	20MHz	1	49	0	0
23.07	23.10	23.07	24.5	DFT-S $\pi/2$ BPSK	20MHz	25	0	0-0.5	0.5
23.24	23.32	23.31	25	DFT-S $\pi/2$ BPSK	20MHz	25	13	0	0
23.04	23.13	23.04	24.5	DFT-S $\pi/2$ BPSK	20MHz	25	26	0-0.5	0.5
23.07	23.11	23.09	24.5	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-1	0.5
23.43	23.44	23.42	25	DFT-S QPSK	20MHz	1	1	0	0
23.33	23.43	23.39	25	DFT-S QPSK	20MHz	1	26	0	0
23.39	23.41	23.39	25	DFT-S QPSK	20MHz	1	49	0	0
22.54	22.65	22.58	24	DFT-S QPSK	20MHz	25	0	0-1	1
23.31	23.41	23.35	25	DFT-S QPSK	20MHz	25	13	0	0
22.52	22.62	22.56	24	DFT-S QPSK	20MHz	25	26	0-1	1
22.40	22.57	22.47	24	DFT-S QPSK	20MHz	50	0	0-1	1
22.58	22.63	22.62	24	DFT-S 16QAM	20MHz	1	1	0-1	1
21.16	21.24	21.18	22.5	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5
19.22	19.35	19.28	20.5	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5
21.87	21.94	21.91	23.5	CP QPSK	20MHz	1	1	0-1.5	1.5

NR Band n38										
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
515500	519000	522500	Channel							
2577.5	2595	2612.5	Freq. (MHz)							
23.19	23.36	23.31	25	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0	
23.15	23.31	23.24	25	DFT-S $\pi/2$ BPSK	15MHz	1	19	0	0	
23.22	23.31	23.32	25	DFT-S $\pi/2$ BPSK	15MHz	1	36	0	0	
23.06	23.05	22.97	24.5	DFT-S $\pi/2$ BPSK	15MHz	18	0	0-0.5	0.5	
23.24	23.24	23.24	25	DFT-S $\pi/2$ BPSK	15MHz	18	10	0	0	
23.00	23.12	22.94	24.5	DFT-S $\pi/2$ BPSK	15MHz	18	20	0-0.5	0.5	
23.05	23.08	23.02	24.5	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-1	0.5	
23.35	23.34	23.34	25	DFT-S QPSK	15MHz	1	1	0	0	
23.29	23.41	23.30	25	DFT-S QPSK	15MHz	1	19	0	0	
23.32	23.33	23.33	25	DFT-S QPSK	15MHz	1	36	0	0	
22.46	22.64	22.49	24	DFT-S QPSK	15MHz	18	0	0-1	1	
23.28	23.39	23.29	25	DFT-S QPSK	15MHz	18	10	0	0	
22.52	22.59	22.48	24	DFT-S QPSK	15MHz	18	20	0-1	1	
22.38	22.52	22.43	24	DFT-S QPSK	15MHz	36	0	0-1	1	
22.58	22.58	22.60	24	DFT-S 16QAM	15MHz	1	1	0-1	1	
21.08	21.23	21.11	22.5	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5	
19.18	19.34	19.16	20.5	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5	
21.87	21.91	21.89	23.5	CP QPSK	15MHz	1	1	0-1.5	1.5	

NR Band n38									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
515000	519000	523000	Channel						
2575	2595	2615	Freq. (MHz)						
23.19	23.33	23.29	25	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0
23.24	23.40	23.30	25	DFT-S $\pi/2$ BPSK	10MHz	1	11	0	0
23.22	23.27	23.26	25	DFT-S $\pi/2$ BPSK	10MHz	1	22	0	0
22.97	23.05	23.01	24.5	DFT-S $\pi/2$ BPSK	10MHz	12	0	0-0.5	0.5
23.18	23.23	23.30	25	DFT-S $\pi/2$ BPSK	10MHz	12	6	0	0
23.04	23.11	22.97	24.5	DFT-S $\pi/2$ BPSK	10MHz	12	12	0-0.5	0.5
23.06	23.11	23.05	24.5	DFT-S $\pi/2$ BPSK	10MHz	24	0	0-1	0.5
23.34	23.40	23.36	25	DFT-S QPSK	10MHz	1	1	0	0
23.23	23.33	23.33	25	DFT-S QPSK	10MHz	1	11	0	0
23.38	23.34	23.30	25	DFT-S QPSK	10MHz	1	22	0	0
22.47	22.65	22.56	24	DFT-S QPSK	10MHz	12	0	0-1	1
23.22	23.40	23.32	25	DFT-S QPSK	10MHz	12	6	0	0
22.46	22.54	22.55	24	DFT-S QPSK	10MHz	12	12	0-1	1
22.34	22.49	22.43	24	DFT-S QPSK	10MHz	24	0	0-1	1
22.53	22.60	22.55	24	DFT-S 16QAM	10MHz	1	1	0-1	1
21.08	21.21	21.10	22.5	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5
19.14	19.26	19.21	20.5	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5
21.79	21.93	21.86	23.5	CP QPSK	10MHz	1	1	0-1.5	1.5

NR Band n41													
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
509202	513900	518598	523302	528000	Channel								
2546.01	2569.5	2592.99	2616.51	2640	Freq. (MHz)								
26.44	26.49	26.55	26.47	26.55	27.5	DFT-S $\pi/2$ BPSK	100MHz	1	1	0	0		
25.51	25.50	25.50	25.51	25.55	27.5	DFT-S $\pi/2$ BPSK	100MHz	1	137	0	0		
25.67	25.67	25.69	25.65	25.59	27.5	DFT-S $\pi/2$ BPSK	100MHz	1	271	0	0		
25.17	25.22	25.28	25.20	25.20	27	DFT-S $\pi/2$ BPSK	100MHz	135	0	0-0.5	0.5		
25.83	25.83	25.86	25.75	25.78	27.5	DFT-S $\pi/2$ BPSK	100MHz	135	69	0	0		
25.47	25.50	25.57	25.45	25.57	27	DFT-S $\pi/2$ BPSK	100MHz	135	138	0-0.5	0.5		
25.20	25.28	25.38	25.18	25.38	27	DFT-S $\pi/2$ BPSK	100MHz	270	0	0-1	0.5		
26.52	26.51	26.56	26.43	26.55	27.5	DFT-S QPSK	100MHz	1	1	0	0		
25.59	25.61	25.65	25.61	25.64	27.5	DFT-S QPSK	100MHz	1	137	0	0		
25.57	25.62	25.70	25.57	25.62	27.5	DFT-S QPSK	100MHz	1	271	0	0		
24.53	24.57	24.66	24.53	24.57	26.5	DFT-S QPSK	100MHz	135	0	0-1	1		
25.68	25.76	25.82	25.76	25.75	27.5	DFT-S QPSK	100MHz	135	69	0	0		
24.95	25.05	25.13	24.99	25.04	26.5	DFT-S QPSK	100MHz	135	138	0-1	1		
24.79	24.88	24.90	24.83	24.89	26.5	DFT-S QPSK	100MHz	270	0	0-1	1		
24.51	24.50	24.58	24.52	24.50	26.5	DFT-S 16QAM	100MHz	1	1	0-1	1		
23.21	23.22	23.28	23.13	23.19	25	DFT-S 64QAM	100MHz	1	1	0-2.5	2.5		
21.13	21.14	21.26	21.04	21.12	23	DFT-S 256QAM	100MHz	1	1	0-4.5	4.5		
24.11	24.03	24.06	24.00	24.06	26	CP QPSK	100MHz	1	1	0-1.5	1.5		

NR Band n41													
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
508200	513402	518598	523800	528996	Channel								
2541	2567.01	2592.99	2619	2644.98	Freq. (MHz)								
26.42	26.39	26.47	26.48	26.47	27.5	DFT-S $\pi/2$ BPSK	90MHz	1	1	0	0		
25.69	25.65	25.66	25.63	25.55	27.5	DFT-S $\pi/2$ BPSK	90MHz	1	123	0	0		
25.66	25.64	25.65	25.57	25.61	27.5	DFT-S $\pi/2$ BPSK	90MHz	1	243	0	0		
25.13	25.15	25.19	25.18	25.19	27	DFT-S $\pi/2$ BPSK	90MHz	120	0	0-0.5	0.5		
25.73	25.76	25.79	25.82	25.86	27.5	DFT-S $\pi/2$ BPSK	90MHz	120	63	0	0		
25.47	25.46	25.52	25.40	25.55	27	DFT-S $\pi/2$ BPSK	90MHz	120	125	0-0.5	0.5		
25.16	25.19	25.31	25.21	25.30	27	DFT-S $\pi/2$ BPSK	90MHz	243	0	0-1	0.5		
26.48	26.43	26.55	26.41	26.46	27.5	DFT-S QPSK	90MHz	1	1	0	0		
25.59	25.53	25.65	25.53	25.57	27.5	DFT-S QPSK	90MHz	1	123	0	0		
25.57	25.57	25.70	25.62	25.69	27.5	DFT-S QPSK	90MHz	1	243	0	0		
24.51	24.56	24.66	24.51	24.60	26.5	DFT-S QPSK	90MHz	120	0	0-1	1		
25.64	25.69	25.79	25.71	25.77	27.5	DFT-S QPSK	90MHz	120	63	0	0		
24.86	24.98	25.09	25.03	25.10	26.5	DFT-S QPSK	90MHz	120	125	0-1	1		
24.76	24.78	24.82	24.86	24.81	26.5	DFT-S QPSK	90MHz	243	0	0-1	1		
24.55	24.50	24.52	24.58	24.57	26.5	DFT-S 16QAM	90MHz	1	1	0-1	1		
23.19	23.21	23.27	23.16	23.28	25	DFT-S 64QAM	90MHz	1	1	0-2.5	2.5		
21.13	21.20	21.20	21.07	21.22	23	DFT-S 256QAM	90MHz	1	1	0-4.5	4.5		
24.09	24.03	24.01	24.03	24.06	26	CP QPSK	90MHz	1	1	0-1.5	1.5		

NR Band n41												
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
507204	509304	518598	500298	529998	Channel							
2536.02	2546.52	2592.99	2621.49	2649.99	Freq. (MHz)							
26.42	26.46	26.51	26.39	26.51	27.5	DFT-S $\pi/2$ BPSK	80MHz	1	1	0	0	
25.69	25.65	25.61	25.62	25.53	27.5	DFT-S $\pi/2$ BPSK	80MHz	1	109	0	0	
25.59	25.59	25.59	25.66	25.67	27.5	DFT-S $\pi/2$ BPSK	80MHz	1	215	0	0	
25.09	25.22	25.26	25.18	25.25	27	DFT-S $\pi/2$ BPSK	80MHz	108	0	0-0.5	0.5	
25.75	25.75	25.80	25.73	25.82	27.5	DFT-S $\pi/2$ BPSK	80MHz	108	55	0	0	
25.38	25.43	25.50	25.47	25.49	27	DFT-S $\pi/2$ BPSK	80MHz	108	109	0-0.5	0.5	
25.16	25.18	25.28	25.23	25.28	27	DFT-S $\pi/2$ BPSK	80MHz	216	0	0-1	0.5	
26.51	26.50	26.55	26.42	26.51	27.5	DFT-S QPSK	80MHz	1	1	0	0	
25.52	25.57	25.65	25.51	25.55	27.5	DFT-S QPSK	80MHz	1	109	0	0	
25.52	25.55	25.70	25.53	25.62	27.5	DFT-S QPSK	80MHz	1	215	0	0	
24.52	24.55	24.66	24.51	24.57	26.5	DFT-S QPSK	80MHz	108	0	0-1	1	
25.59	25.68	25.73	25.69	25.82	27.5	DFT-S QPSK	80MHz	108	55	0	0	
24.93	24.99	25.03	25.03	25.13	26.5	DFT-S QPSK	80MHz	108	109	0-1	1	
24.71	24.78	24.86	24.81	24.87	26.5	DFT-S QPSK	80MHz	216	0	0-1	1	
24.61	24.56	24.54	24.51	24.52	26.5	DFT-S 16QAM	80MHz	1	1	0-1	1	
23.20	23.17	23.26	23.22	23.21	25	DFT-S 64QAM	80MHz	1	1	0-2.5	2.5	
21.10	21.13	21.18	21.24	21.17	23	DFT-S 256QAM	80MHz	1	1	0-4.5	4.5	
24.07	24.06	24.03	24.11	24.06	26	CP QPSK	80MHz	1	1	0-1.5	1.5	

NR Band n41													
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
506202	512400	518598	524802	531000	Channel								
2531.01	2562	2592.99	2624.01	2655	Freq. (MHz)								
26.39	26.45	26.48	26.48	26.46	27.5	DFT-S $\pi/2$ BPSK	70MHz	1	1	0	0		
25.66	25.61	25.63	25.66	25.61	27.5	DFT-S $\pi/2$ BPSK	70MHz	1	95	0	0		
25.63	25.58	25.69	25.58	25.65	27.5	DFT-S $\pi/2$ BPSK	70MHz	1	187	0	0		
25.08	25.14	25.19	25.20	25.22	27	DFT-S $\pi/2$ BPSK	70MHz	90	0	0-0.5	0.5		
25.82	25.82	25.84	25.80	25.83	27.5	DFT-S $\pi/2$ BPSK	70MHz	90	50	0	0		
25.38	25.48	25.54	25.45	25.52	27	DFT-S $\pi/2$ BPSK	70MHz	90	99	0-0.5	0.5		
25.18	25.25	25.31	25.27	25.28	27	DFT-S $\pi/2$ BPSK	70MHz	180	0	0-1	0.5		
26.48	26.44	26.52	26.49	26.53	27.5	DFT-S QPSK	70MHz	1	1	0	0		
25.51	25.60	25.63	25.59	25.55	27.5	DFT-S QPSK	70MHz	1	95	0	0		
25.56	25.60	25.70	25.62	25.60	27.5	DFT-S QPSK	70MHz	1	187	0	0		
24.52	24.55	24.65	24.54	24.60	26.5	DFT-S QPSK	70MHz	90	0	0-1	1		
25.68	25.67	25.82	25.73	25.82	27.5	DFT-S QPSK	70MHz	90	50	0	0		
24.91	24.97	25.04	25.02	25.05	26.5	DFT-S QPSK	70MHz	90	99	0-1	1		
24.79	24.84	24.87	24.80	24.89	26.5	DFT-S QPSK	70MHz	180	0	0-1	1		
24.52	24.51	24.55	24.55	24.53	26.5	DFT-S 16QAM	70MHz	1	1	0-1	1		
23.17	23.14	23.23	23.15	23.26	25	DFT-S 64QAM	70MHz	1	1	0-2.5	2.5		
21.09	21.07	21.25	21.06	21.27	23	DFT-S 256QAM	70MHz	1	1	0-4.5	4.5		
24.12	24.11	24.03	24.01	24.00	26	CP QPSK	70MHz	1	1	0-1.5	1.5		

NR Band n41											
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
505200	511896	518598	525294	531996	Channel						
2526	2559.48	2592.99	2626.48	2659.98	Freq. (MHz)						
26.43	26.42	26.54	26.45	26.51	27.5	DFT-S $\pi/2$ BPSK	60MHz	1	1	0	0
25.55	25.56	25.54	25.59	25.66	27.5	DFT-S $\pi/2$ BPSK	60MHz	1	81	0	0
25.60	25.61	25.63	25.62	25.60	27.5	DFT-S $\pi/2$ BPSK	60MHz	1	160	0	0
25.08	25.13	25.24	25.15	25.22	27	DFT-S $\pi/2$ BPSK	60MHz	81	0	0-0.5	0.5
25.79	25.76	25.83	25.83	25.77	27.5	DFT-S $\pi/2$ BPSK	60MHz	81	41	0	0
25.42	25.47	25.48	25.41	25.57	27	DFT-S $\pi/2$ BPSK	60MHz	81	81	0-0.5	0.5
25.10	25.27	25.33	25.22	25.29	27	DFT-S $\pi/2$ BPSK	60MHz	162	0	0-1	0.5
26.43	26.47	26.46	26.49	26.46	27.5	DFT-S QPSK	60MHz	1	1	0	0
25.53	25.55	25.65	25.56	25.62	27.5	DFT-S QPSK	60MHz	1	81	0	0
25.51	25.59	25.67	25.62	25.70	27.5	DFT-S QPSK	60MHz	1	160	0	0
24.52	24.54	24.59	24.52	24.61	26.5	DFT-S QPSK	60MHz	81	0	0-1	1
25.64	25.76	25.74	25.72	25.79	27.5	DFT-S QPSK	60MHz	81	41	0	0
24.92	25.01	25.03	24.98	25.11	26.5	DFT-S QPSK	60MHz	81	81	0-1	1
24.73	24.78	24.82	24.82	24.83	26.5	DFT-S QPSK	60MHz	162	0	0-1	1
24.52	24.55	24.50	24.51	24.50	26.5	DFT-S 16QAM	60MHz	1	1	0-1	1
23.15	23.13	23.25	23.21	23.22	25	DFT-S 64QAM	60MHz	1	1	0-2.5	2.5
21.06	21.02	21.14	21.16	21.14	23	DFT-S 256QAM	60MHz	1	1	0-4.5	4.5
24.05	24.03	24.11	24.01	24.06	26	CP QPSK	60MHz	1	1	0-1.5	1.5

NR Band n41													
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
504204	511404	518598	525798	532998	Channel								
2521.02	2557.02	2592.99	2628.99	2664.99	Freq. (MHz)								
26.41	26.40	26.49	26.42	26.45	27.5	DFT-S $\pi/2$ BPSK	50MHz	1	1	0	0		
25.75	25.77	25.66	25.61	25.50	27.5	DFT-S $\pi/2$ BPSK	50MHz	1	67	0	0		
25.62	25.66	25.67	25.65	25.60	27.5	DFT-S $\pi/2$ BPSK	50MHz	1	131	0	0		
25.16	25.16	25.26	25.12	25.18	27	DFT-S $\pi/2$ BPSK	50MHz	64	0	0-0.5	0.5		
25.78	25.77	25.84	25.82	25.86	27.5	DFT-S $\pi/2$ BPSK	50MHz	64	35	0	0		
25.39	25.48	25.56	25.43	25.54	27	DFT-S $\pi/2$ BPSK	50MHz	64	69	0-0.5	0.5		
25.20	25.22	25.30	25.25	25.36	27	DFT-S $\pi/2$ BPSK	50MHz	128	0	0-1	0.5		
26.46	26.48	26.49	26.41	26.55	27.5	DFT-S QPSK	50MHz	1	1	0	0		
25.50	25.56	25.59	25.58	25.60	27.5	DFT-S QPSK	50MHz	1	67	0	0		
25.56	25.54	25.68	25.56	25.64	27.5	DFT-S QPSK	50MHz	1	131	0	0		
24.51	24.52	24.59	24.55	24.65	26.5	DFT-S QPSK	50MHz	64	0	0-1	1		
25.62	25.66	25.82	25.67	25.73	27.5	DFT-S QPSK	50MHz	64	35	0	0		
24.90	25.00	25.04	24.97	25.13	26.5	DFT-S QPSK	50MHz	64	69	0-1	1		
24.70	24.78	24.80	24.85	24.83	26.5	DFT-S QPSK	50MHz	128	0	0-1	1		
24.56	24.51	24.56	24.53	24.50	26.5	DFT-S 16QAM	50MHz	1	1	0-1	1		
23.20	23.13	23.26	23.18	23.28	25	DFT-S 64QAM	50MHz	1	1	0-2.5	2.5		
21.20	21.07	21.21	21.20	21.18	23	DFT-S 256QAM	50MHz	1	1	0-4.5	4.5		
24.15	24.01	24.02	24.06	24.02	26	CP QPSK	50MHz	1	1	0-1.5	1.5		

NR Band n41													
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
503202	510900	518598	526296	534000	Channel								
2516.01	2554.5	2592.99	2631.48	2670	Freq. (MHz)								
26.34	26.44	26.51	26.39	26.45	27.5	DFT-S $\pi/2$ BPSK	40MHz	1	1	0	0		
25.51	25.66	25.61	25.59	25.50	27.5	DFT-S $\pi/2$ BPSK	40MHz	1	53	0	0		
25.57	25.57	25.66	25.58	25.63	27.5	DFT-S $\pi/2$ BPSK	40MHz	1	104	0	0		
25.17	25.16	25.23	25.13	25.21	27	DFT-S $\pi/2$ BPSK	40MHz	50	0	0-0.5	0.5		
25.83	25.80	25.78	25.75	25.80	27.5	DFT-S $\pi/2$ BPSK	40MHz	50	28	0	0		
25.38	25.43	25.48	25.42	25.48	27	DFT-S $\pi/2$ BPSK	40MHz	50	56	0-0.5	0.5		
25.12	25.24	25.29	25.24	25.35	27	DFT-S $\pi/2$ BPSK	40MHz	100	0	0-1	0.5		
26.45	26.42	26.51	26.43	26.35	27.5	DFT-S QPSK	40MHz	1	1	0	0		
25.59	25.59	25.62	25.53	25.59	27.5	DFT-S QPSK	40MHz	1	53	0	0		
25.52	25.57	25.67	25.52	25.63	27.5	DFT-S QPSK	40MHz	1	104	0	0		
24.52	24.56	24.57	24.55	24.56	26.5	DFT-S QPSK	40MHz	50	0	0-1	1		
25.58	25.67	25.79	25.67	25.75	27.5	DFT-S QPSK	40MHz	50	28	0	0		
24.90	24.98	25.03	25.05	25.08	26.5	DFT-S QPSK	40MHz	50	56	0-1	1		
24.70	24.87	24.80	24.82	24.82	26.5	DFT-S QPSK	40MHz	100	0	0-1	1		
24.69	24.57	24.56	24.54	24.51	26.5	DFT-S 16QAM	40MHz	1	1	0-1	1		
23.17	23.18	23.19	23.14	23.27	25	DFT-S 64QAM	40MHz	1	1	0-2.5	2.5		
21.14	21.14	21.18	21.11	21.22	23	DFT-S 256QAM	40MHz	1	1	0-4.5	4.5		
24.11	24.02	24.00	24.01	24.01	26	CP QPSK	40MHz	1	1	0-1.5	1.5		

NR Band n41													
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
502200	510402	518598	526800	534996	Channel								
2511	2552.01	2592.99	2634	2674.98	Freq. (MHz)								
26.36	26.46	26.52	26.47	26.50	27.5	DFT-S $\pi/2$ BPSK	30MHz	1	1	0	0		
25.55	25.50	25.62	25.63	25.66	27.5	DFT-S $\pi/2$ BPSK	30MHz	1	39	0	0		
25.67	25.62	25.60	25.60	25.62	27.5	DFT-S $\pi/2$ BPSK	30MHz	1	76	0	0		
25.11	25.13	25.28	25.16	25.23	27	DFT-S $\pi/2$ BPSK	30MHz	36	0	0-0.5	0.5		
25.78	25.74	25.78	25.83	25.80	27.5	DFT-S $\pi/2$ BPSK	30MHz	36	21	0	0		
25.39	25.43	25.56	25.48	25.54	27	DFT-S $\pi/2$ BPSK	30MHz	36	42	0-0.5	0.5		
25.15	25.27	25.35	25.23	25.30	27	DFT-S $\pi/2$ BPSK	30MHz	75	0	0-1	0.5		
26.44	26.49	26.54	26.46	26.49	27.5	DFT-S QPSK	30MHz	1	1	0	0		
25.54	25.60	25.62	25.56	25.63	27.5	DFT-S QPSK	30MHz	1	39	0	0		
25.51	25.57	25.66	25.61	25.60	27.5	DFT-S QPSK	30MHz	1	76	0	0		
24.52	24.51	24.57	24.57	24.58	26.5	DFT-S QPSK	30MHz	36	0	0-1	1		
25.67	25.73	25.82	25.73	25.73	27.5	DFT-S QPSK	30MHz	36	21	0	0		
24.86	25.01	25.11	25.04	25.10	26.5	DFT-S QPSK	30MHz	36	42	0-1	1		
24.74	24.86	24.88	24.86	24.85	26.5	DFT-S QPSK	30MHz	75	0	0-1	1		
24.59	24.55	24.58	24.52	24.52	26.5	DFT-S 16QAM	30MHz	1	1	0-1	1		
23.12	23.19	23.23	23.15	23.20	25	DFT-S 64QAM	30MHz	1	1	0-2.5	2.5		
21.05	21.14	21.24	21.14	21.17	23	DFT-S 256QAM	30MHz	1	1	0-4.5	4.5		
24.08	24.06	24.05	24.11	24.04	26	CP QPSK	30MHz	1	1	0-1.5	1.5		

NR Band n41												
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
501204	509898	518598	527298	535998	Channel							
2506.02	2549.49	2592.99	2636.49	2679.99	Freq. (MHz)							
26.43	26.47	26.50	26.42	26.51	27.5	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0	
25.66	25.67	25.63	25.62	25.61	27.5	DFT-S $\pi/2$ BPSK	20MHz	1	26	0	0	
25.64	25.61	25.60	25.59	25.64	27.5	DFT-S $\pi/2$ BPSK	20MHz	1	49	0	0	
25.16	25.16	25.20	25.18	25.28	27	DFT-S $\pi/2$ BPSK	20MHz	25	0	0-0.5	0.5	
25.80	25.77	25.86	25.78	25.85	27.5	DFT-S $\pi/2$ BPSK	20MHz	25	13	0	0	
25.42	25.47	25.48	25.42	25.48	27	DFT-S $\pi/2$ BPSK	20MHz	25	26	0-0.5	0.5	
25.16	25.24	25.37	25.28	25.36	27	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-1	0.5	
26.51	26.44	26.32	26.48	26.55	27.5	DFT-S QPSK	20MHz	1	1	0	0	
25.65	25.54	25.64	25.58	25.60	27.5	DFT-S QPSK	20MHz	1	26	0	0	
25.51	25.61	25.69	25.61	25.70	27.5	DFT-S QPSK	20MHz	1	49	0	0	
24.51	24.53	24.65	24.56	24.61	26.5	DFT-S QPSK	20MHz	25	0	0-1	1	
25.67	25.74	25.77	25.73	25.73	27.5	DFT-S QPSK	20MHz	25	13	0	0	
24.90	24.96	25.05	25.03	25.06	26.5	DFT-S QPSK	20MHz	25	26	0-1	1	
24.70	24.86	24.90	24.83	24.89	26.5	DFT-S QPSK	20MHz	50	0	0-1	1	
24.61	24.55	24.62	24.66	24.58	26.5	DFT-S 16QAM	20MHz	1	1	0-1	1	
23.19	23.20	23.22	23.13	23.24	25	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5	
21.09	21.09	21.13	21.04	21.19	23	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5	
24.11	24.06	24.03	24.02	24.04	26	CP QPSK	20MHz	1	1	0-1.5	1.5	

NR Band n41											
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
500700	509646	518598	527544	536496	Channel						
2503.5	2548.23	2592.99	2637.72	2682.48	Freq. (MHz)						
26.42	26.46	26.48	26.47	26.55	27.5	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0
25.66	25.62	25.61	25.62	25.66	27.5	DFT-S $\pi/2$ BPSK	15MHz	1	19	0	0
25.61	25.62	25.62	25.61	25.69	27.5	DFT-S $\pi/2$ BPSK	15MHz	1	36	0	0
25.07	25.16	25.22	25.16	25.23	27	DFT-S $\pi/2$ BPSK	15MHz	18	0	0-0.5	0.5
25.76	25.82	25.77	25.78	25.85	27.5	DFT-S $\pi/2$ BPSK	15MHz	18	10	0	0
25.38	25.42	25.53	25.46	25.56	27	DFT-S $\pi/2$ BPSK	15MHz	18	20	0-0.5	0.5
25.11	25.23	25.32	25.20	25.33	27	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-1	0.5
26.50	26.42	26.54	26.50	26.52	27.5	DFT-S QPSK	15MHz	1	1	0	0
25.51	25.57	25.55	25.54	25.60	27.5	DFT-S QPSK	15MHz	1	19	0	0
25.56	25.61	25.68	25.56	25.61	27.5	DFT-S QPSK	15MHz	1	36	0	0
24.52	24.55	24.60	24.56	24.66	26.5	DFT-S QPSK	15MHz	18	0	0-1	1
25.60	25.70	25.77	25.73	25.80	27.5	DFT-S QPSK	15MHz	18	10	0	0
24.94	24.98	25.13	25.01	25.12	26.5	DFT-S QPSK	15MHz	18	20	0-1	1
24.74	24.87	24.81	24.79	24.83	26.5	DFT-S QPSK	15MHz	36	0	0-1	1
24.51	24.50	24.57	24.55	24.50	26.5	DFT-S 16QAM	15MHz	1	1	0-1	1
23.12	23.19	23.25	23.17	23.22	25	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5
21.01	21.19	21.18	21.06	21.21	23	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5
24.02	24.11	24.01	24.03	24.06	26	CP QPSK	15MHz	1	1	0-1.5	1.5

NR Band n41													
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
500202	509400	518598	527796	537000	Channel								
2501.01	2547	2592.99	2638.98	2685	Freq. (MHz)								
26.42	26.43	26.45	26.42	26.46	27.5	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0		
25.61	25.62	25.63	25.50	25.50	27.5	DFT-S $\pi/2$ BPSK	10MHz	1	11	0	0		
25.58	25.60	25.63	25.61	25.59	27.5	DFT-S $\pi/2$ BPSK	10MHz	1	22	0	0		
25.07	25.17	25.25	25.21	25.28	27	DFT-S $\pi/2$ BPSK	10MHz	12	0	0-0.5	0.5		
25.80	25.79	25.84	25.78	25.80	27.5	DFT-S $\pi/2$ BPSK	10MHz	12	6	0	0		
25.39	25.43	25.51	25.48	25.53	27	DFT-S $\pi/2$ BPSK	10MHz	12	12	0-0.5	0.5		
25.20	25.26	25.34	25.26	25.29	27	DFT-S $\pi/2$ BPSK	10MHz	24	0	0-1	0.5		
26.48	26.48	26.47	26.44	26.48	27.5	DFT-S QPSK	10MHz	1	1	0	0		
25.50	25.57	25.59	25.56	25.62	27.5	DFT-S QPSK	10MHz	1	11	0	0		
25.62	25.57	25.70	25.56	25.70	27.5	DFT-S QPSK	10MHz	1	22	0	0		
24.53	24.57	24.66	24.56	24.59	26.5	DFT-S QPSK	10MHz	12	0	0-1	1		
25.63	25.75	25.73	25.68	25.75	27.5	DFT-S QPSK	10MHz	12	6	0	0		
24.92	24.96	25.09	24.97	25.03	26.5	DFT-S QPSK	10MHz	12	12	0-1	1		
24.76	24.78	24.90	24.85	24.90	26.5	DFT-S QPSK	10MHz	24	0	0-1	1		
24.57	24.54	24.56	24.51	24.52	26.5	DFT-S 16QAM	10MHz	1	1	0-1	1		
23.20	23.12	23.21	23.19	23.20	25	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5		
21.21	21.01	21.11	21.11	21.09	23	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5		
24.09	24.06	24.02	24.09	24.11	26	CP QPSK	10MHz	1	1	0-1.5	1.5		

NR Band n48											
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
638000	640444	642888	645332	Channel							
3570	3606.66	3643.32	3679.98	Freq. (MHz)							
22.28	22.16	22.26	22.28	22.4	DFT-S $\pi/2$ BPSK	40MHz	1	1	0	0	
22.05	22.11	22.18	21.96	22.4	DFT-S $\pi/2$ BPSK	40MHz	1	53	0	0	
22.04	22.10	22.15	21.96	22.4	DFT-S $\pi/2$ BPSK	40MHz	1	104	0	0	
21.69	21.57	21.63	21.66	21.9	DFT-S $\pi/2$ BPSK	40MHz	50	0	0-0.5	0.5	
22.17	22.12	22.19	22.10	22.4	DFT-S $\pi/2$ BPSK	40MHz	50	28	0	0	
21.67	21.46	21.71	21.64	21.9	DFT-S $\pi/2$ BPSK	40MHz	50	56	0-0.5	0.5	
21.21	20.96	21.25	21.16	21.9	DFT-S $\pi/2$ BPSK	40MHz	100	0	0-1	0.5	
22.36	22.38	22.39	22.36	22.4	DFT-S QPSK	40MHz	1	1	0	0	
22.24	22.09	22.12	22.18	22.4	DFT-S QPSK	40MHz	1	53	0	0	
22.23	22.04	22.05	22.21	22.4	DFT-S QPSK	40MHz	1	104	0	0	
21.29	21.20	21.24	21.27	21.4	DFT-S QPSK	40MHz	50	0	0-1	1	
22.24	22.08	22.26	22.22	22.4	DFT-S QPSK	40MHz	50	28	0	0	
21.33	21.19	21.00	21.26	21.4	DFT-S QPSK	40MHz	50	56	0-1	1	
21.14	21.15	20.91	21.11	21.4	DFT-S QPSK	40MHz	100	0	0-1	1	
21.29	21.04	20.95	21.28	21.4	DFT-S 16QAM	40MHz	1	1	0-1	1	
19.64	19.66	19.40	19.59	19.9	DFT-S 64QAM	40MHz	1	1	0-2.5	2.5	
17.70	17.71	17.42	17.66	17.9	DFT-S 256QAM	40MHz	1	1	0-4.5	4.5	
20.62	20.64	20.39	20.58	20.9	CP QPSK	40MHz	1	1	0-1.5	1.5	

NR Band n48											
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
637668	640334	643000	645666	Channel							
3565.02	3605.01	3645	3684.99	Freq. (MHz)							
22.20	22.06	22.19	22.26	22.4	DFT-S $\pi/2$ BPSK	30MHz	1	1	0	0	
22.04	22.10	22.08	21.94	22.4	DFT-S $\pi/2$ BPSK	30MHz	1	39	0	0	
22.00	22.01	22.06	21.90	22.4	DFT-S $\pi/2$ BPSK	30MHz	1	76	0	0	
21.64	21.51	21.53	21.63	21.9	DFT-S $\pi/2$ BPSK	30MHz	36	0	0-0.5	0.5	
22.13	22.07	22.13	22.00	22.4	DFT-S $\pi/2$ BPSK	30MHz	36	21	0	0	
21.66	21.45	21.68	21.63	21.9	DFT-S $\pi/2$ BPSK	30MHz	36	42	0-0.5	0.5	
21.19	20.93	21.17	21.15	21.9	DFT-S $\pi/2$ BPSK	30MHz	75	0	0-1	0.5	
22.32	22.28	22.31	22.36	22.4	DFT-S QPSK	30MHz	1	1	0	0	
22.17	22.03	22.05	22.13	22.4	DFT-S QPSK	30MHz	1	39	0	0	
22.16	21.95	22.01	22.18	22.4	DFT-S QPSK	30MHz	1	76	0	0	
21.24	21.12	21.19	21.20	21.4	DFT-S QPSK	30MHz	36	0	0-1	1	
22.22	21.99	22.16	22.13	22.4	DFT-S QPSK	30MHz	36	21	0	0	
21.27	21.12	20.97	21.16	21.4	DFT-S QPSK	30MHz	36	42	0-1	1	
21.11	21.11	20.85	21.09	21.4	DFT-S QPSK	30MHz	75	0	0-1	1	
21.26	21.02	20.91	21.19	21.4	DFT-S 16QAM	30MHz	1	1	0-1	1	
19.61	19.65	19.33	19.51	19.9	DFT-S 64QAM	30MHz	1	1	0-2.5	2.5	
17.69	17.63	17.32	17.62	17.9	DFT-S 256QAM	30MHz	1	1	0-4.5	4.5	
20.57	20.61	20.31	20.53	20.9	CP QPSK	30MHz	1	1	0-1.5	1.5	

NR Band n48											
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
637334	640220	643114	646000	Channel							
3560.01	3603.3	3646.71	3690	Freq. (MHz)							
22.25	22.09	22.24	22.23	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0	
21.99	22.09	22.08	21.86	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	26	0	0	
22.03	22.01	22.07	21.94	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	49	0	0	
21.64	21.49	21.59	21.57	21.9	DFT-S $\pi/2$ BPSK	20MHz	25	0	0-0.5	0.5	
22.09	22.06	22.12	22.09	22.4	DFT-S $\pi/2$ BPSK	20MHz	25	13	0	0	
21.61	21.38	21.64	21.60	21.9	DFT-S $\pi/2$ BPSK	20MHz	25	26	0-0.5	0.5	
21.16	20.88	21.21	21.06	21.9	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-1	0.5	
22.26	22.38	22.33	22.35	22.4	DFT-S QPSK	20MHz	1	1	0	0	
22.22	21.99	22.12	22.08	22.4	DFT-S QPSK	20MHz	1	26	0	0	
22.17	22.02	21.95	22.16	22.4	DFT-S QPSK	20MHz	1	49	0	0	
21.19	21.13	21.15	21.20	21.4	DFT-S QPSK	20MHz	25	0	0-1	1	
22.15	22.05	22.23	22.15	22.4	DFT-S QPSK	20MHz	25	13	0	0	
21.24	21.12	20.92	21.19	21.4	DFT-S QPSK	20MHz	25	26	0-1	1	
21.14	21.06	20.81	21.04	21.4	DFT-S QPSK	20MHz	50	0	0-1	1	
21.20	20.96	20.85	21.23	21.4	DFT-S 16QAM	20MHz	1	1	0-1	1	
19.62	19.58	19.34	19.49	19.9	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5	
17.68	17.63	17.32	17.63	17.9	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5	
20.54	20.64	20.37	20.52	20.9	CP QPSK	20MHz	1	1	0-1.5	1.5	

NR Band n48											
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
637168	640168	643166	646166	Channel							
3557.52	3602.52	3647.49	3692.49	Freq. (MHz)							
22.23	22.14	22.26	22.20	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0	
21.97	22.01	22.08	21.90	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	19	0	0	
21.99	22.08	22.10	21.90	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	36	0	0	
21.61	21.52	21.54	21.60	21.9	DFT-S $\pi/2$ BPSK	15MHz	18	0	0-0.5	0.5	
22.09	22.04	22.16	22.04	22.4	DFT-S $\pi/2$ BPSK	15MHz	18	10	0	0	
21.63	21.42	21.67	21.57	21.9	DFT-S $\pi/2$ BPSK	15MHz	18	20	0-0.5	0.5	
21.15	20.91	21.18	21.10	21.9	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-1	0.5	
22.35	22.28	22.31	22.33	22.4	DFT-S QPSK	15MHz	1	1	0	0	
22.20	22.00	22.10	22.09	22.4	DFT-S QPSK	15MHz	1	19	0	0	
22.18	22.02	21.95	22.20	22.4	DFT-S QPSK	15MHz	1	36	0	0	
21.23	21.20	21.15	21.18	21.4	DFT-S QPSK	15MHz	18	0	0-1	1	
22.17	22.05	22.20	22.16	22.4	DFT-S QPSK	15MHz	18	10	0	0	
21.26	21.11	20.97	21.21	21.4	DFT-S QPSK	15MHz	18	20	0-1	1	
21.13	21.08	20.82	21.10	21.4	DFT-S QPSK	15MHz	36	0	0-1	1	
21.28	20.95	20.95	21.18	21.4	DFT-S 16QAM	15MHz	1	1	0-1	1	
19.64	19.64	19.37	19.58	19.9	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5	
17.68	17.61	17.33	17.59	17.9	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5	
20.59	20.59	20.33	20.49	20.9	CP QPSK	15MHz	1	1	0-1.5	1.5	

NR Band n48											
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
637000	640110	643222	646332								
Channel				Freq. (MHz)							
3555	3601.65	3648.33	3694.98								
22.27	22.10	22.18	22.23	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0	
21.99	22.01	22.09	21.91	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	11	0	0	
22.01	22.08	22.08	21.90	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	22	0	0	
21.61	21.54	21.60	21.66	21.9	DFT-S $\pi/2$ BPSK	10MHz	12	0	0-0.5	0.5	
22.08	22.10	22.14	22.05	22.4	DFT-S $\pi/2$ BPSK	10MHz	12	6	0	0	
21.65	21.44	21.62	21.58	21.9	DFT-S $\pi/2$ BPSK	10MHz	12	12	0-0.5	0.5	
21.11	20.88	21.16	21.08	21.9	DFT-S $\pi/2$ BPSK	10MHz	24	0	0-1	0.5	
22.28	22.34	22.29	22.30	22.4	DFT-S QPSK	10MHz	1	1	0	0	
22.23	22.09	22.05	22.12	22.4	DFT-S QPSK	10MHz	1	11	0	0	
22.14	21.99	22.03	22.15	22.4	DFT-S QPSK	10MHz	1	22	0	0	
21.28	21.13	21.20	21.22	21.4	DFT-S QPSK	10MHz	12	0	0-1	1	
22.21	21.99	22.22	22.18	22.4	DFT-S QPSK	10MHz	12	6	0	0	
21.27	21.12	20.90	21.23	21.4	DFT-S QPSK	10MHz	12	12	0-1	1	
21.09	21.11	20.83	21.09	21.4	DFT-S QPSK	10MHz	24	0	0-1	1	
21.24	21.00	20.89	21.27	21.4	DFT-S 16QAM	10MHz	1	1	0-1	1	
19.57	19.60	19.40	19.56	19.9	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5	
17.66	17.62	17.34	17.57	17.9	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5	
20.58	20.54	20.38	20.57	20.9	CP QPSK	10MHz	1	1	0-1.5	1.5	

NR Band n77											MPR Allowed by 3GPP (dB)	Target MPR (dB)	
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset			
650000	652400	654800	657200	659600	662000	Channel							
3750	3786	3822	3858	3894	3930	Freq. (MHz)							
21.17	21.29	21.20	21.40	21.22	21.32	21.9	DFT-S $\pi/2$ BPSK	100MHz	1	1	0	0	
21.19	21.23	21.23	21.14	21.15	21.14	21.9	DFT-S $\pi/2$ BPSK	100MHz	1	137	0	0	
21.09	21.21	21.17	21.12	21.19	21.08	21.9	DFT-S $\pi/2$ BPSK	100MHz	1	271	0	0	
20.63	20.67	20.65	20.75	20.58	20.73	21.4	DFT-S $\pi/2$ BPSK	100MHz	135	0	0-0.5	0.5	
21.12	21.22	21.21	21.29	21.22	21.22	21.9	DFT-S $\pi/2$ BPSK	100MHz	135	69	0	0	
20.47	20.82	20.56	20.78	20.75	20.77	21.4	DFT-S $\pi/2$ BPSK	100MHz	135	138	0-0.5	0.5	
20.06	20.31	20.06	20.32	20.24	20.28	21.4	DFT-S $\pi/2$ BPSK	100MHz	270	0	0-1	0.5	
21.59	21.34	21.40	21.71	21.47	21.34	21.9	DFT-S QPSK	100MHz	1	1	0	0	
21.36	21.33	21.39	21.55	21.35	21.30	21.9	DFT-S QPSK	100MHz	1	137	0	0	
21.25	21.31	21.28	21.48	21.36	21.28	21.9	DFT-S QPSK	100MHz	1	271	0	0	
20.42	20.57	20.51	20.79	20.54	20.57	20.9	DFT-S QPSK	100MHz	135	0	0-1	1	
21.39	21.49	21.39	21.50	21.42	21.28	21.9	DFT-S QPSK	100MHz	135	69	0	0	
20.34	20.31	20.44	20.58	20.22	20.31	20.9	DFT-S QPSK	100MHz	135	138	0-1	1	
20.39	20.15	20.39	20.41	20.14	20.14	20.9	DFT-S QPSK	100MHz	270	0	0-1	1	
20.30	20.21	20.35	20.54	20.11	20.25	20.9	DFT-S 16QAM	100MHz	1	1	0-1	1	
18.90	18.71	18.91	18.95	18.68	18.69	19.4	DFT-S 64QAM	100MHz	1	1	0-2.5	2.5	
16.95	16.67	17.04	16.95	16.67	16.68	17.4	DFT-S 256QAM	100MHz	1	1	0-4.5	4.5	
19.91	19.69	19.97	19.86	19.68	19.65	20.4	CP QPSK	100MHz	1	1	0-1.5	1.5	

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
649668	652200	654734	657266	659800	662332	Channel						
3745.02	3783	3821.01	3858.99	3897	3934.98	Freq. (MHz)						
21.07	21.26	21.14	21.39	21.16	21.32	21.9	DFT-S $\pi/2$ BPSK	90MHz	1	1	0	0
21.09	21.16	21.15	21.12	21.11	21.10	21.9	DFT-S $\pi/2$ BPSK	90MHz	1	123	0	0
21.09	21.17	21.12	21.09	21.16	20.99	21.9	DFT-S $\pi/2$ BPSK	90MHz	1	243	0	0
20.59	20.59	20.60	20.72	20.52	20.64	21.4	DFT-S $\pi/2$ BPSK	90MHz	120	0	0-0.5	0.5
21.11	21.20	21.14	21.26	21.20	21.12	21.9	DFT-S $\pi/2$ BPSK	90MHz	120	63	0	0
20.40	20.81	20.56	20.74	20.69	20.74	21.4	DFT-S $\pi/2$ BPSK	90MHz	120	125	0-0.5	0.5
19.97	20.22	20.00	20.27	20.19	20.22	21.4	DFT-S $\pi/2$ BPSK	90MHz	243	0	0-1	0.5
20.77	20.74	20.76	21.41	20.72	20.73	21.9	DFT-S QPSK	90MHz	1	1	0	0
21.09	21.12	21.14	21.29	21.14	21.26	21.9	DFT-S QPSK	90MHz	1	123	0	0
21.05	21.12	20.99	21.21	21.12	21.27	21.9	DFT-S QPSK	90MHz	1	243	0	0
20.20	20.33	20.24	20.56	20.25	20.47	20.9	DFT-S QPSK	90MHz	120	0	0-1	1
21.13	21.23	21.18	21.24	21.14	21.26	21.9	DFT-S QPSK	90MHz	120	63	0	0
20.14	20.04	20.24	20.28	19.94	20.26	20.9	DFT-S QPSK	90MHz	120	125	0-1	1
20.15	19.95	20.21	20.18	19.85	20.09	20.9	DFT-S QPSK	90MHz	243	0	0-1	1
20.04	19.93	20.05	20.24	19.83	20.25	20.9	DFT-S 16QAM	90MHz	1	1	0-1	1
18.61	18.46	18.70	18.68	18.43	18.65	19.4	DFT-S 64QAM	90MHz	1	1	0-2.5	2.5
16.73	16.45	16.81	16.71	16.45	16.61	17.4	DFT-S 256QAM	90MHz	1	1	0-4.5	4.5
19.68	19.49	19.70	19.61	19.45	19.58	20.4	CP QPSK	90MHz	1	1	0-1.5	1.5

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
649334	652000	654666	657334	660000	662666	Channel						
3740.01	3780	3819.99	3860.01	3900	3939.99	Freq. (MHz)						
21.32	21.22	21.13	21.08	21.16	21.28	21.9	DFT-S $\pi/2$ BPSK	80MHz	1	1	0	0
21.08	21.17	21.17	21.14	21.12	21.12	21.9	DFT-S $\pi/2$ BPSK	80MHz	1	109	0	0
21.07	21.21	21.09	21.01	21.14	21.04	21.9	DFT-S $\pi/2$ BPSK	80MHz	1	215	0	0
20.69	20.58	20.62	20.57	20.49	20.69	21.4	DFT-S $\pi/2$ BPSK	80MHz	108	0	0-0.5	0.5
21.21	21.15	21.12	21.09	21.18	21.13	21.9	DFT-S $\pi/2$ BPSK	80MHz	108	55	0	0
20.78	20.81	20.48	20.46	20.72	20.73	21.4	DFT-S $\pi/2$ BPSK	80MHz	108	109	0-0.5	0.5
20.25	20.30	19.98	20.06	20.21	20.28	21.4	DFT-S $\pi/2$ BPSK	80MHz	216	0	0-1	0.5
21.44	20.66	20.75	20.76	20.70	20.73	21.9	DFT-S QPSK	80MHz	1	1	0	0
21.29	21.12	21.15	21.13	21.14	21.26	21.9	DFT-S QPSK	80MHz	1	109	0	0
21.25	21.11	21.04	21.05	21.15	21.25	21.9	DFT-S QPSK	80MHz	1	215	0	0
20.59	20.28	20.21	20.13	20.24	20.53	20.9	DFT-S QPSK	80MHz	108	0	0-1	1
21.27	21.26	21.11	21.09	21.21	21.20	21.9	DFT-S QPSK	80MHz	108	55	0	0
20.28	20.08	20.16	20.04	19.97	20.27	20.9	DFT-S QPSK	80MHz	108	109	0-1	1
20.11	19.91	20.17	20.18	19.85	20.10	20.9	DFT-S QPSK	80MHz	216	0	0-1	1
20.31	19.91	20.14	20.10	19.81	20.15	20.9	DFT-S 16QAM	80MHz	1	1	0-1	1
18.73	18.45	18.68	18.61	18.42	18.65	19.4	DFT-S 64QAM	80MHz	1	1	0-2.5	2.5
16.71	16.39	16.82	16.73	16.42	16.63	17.4	DFT-S 256QAM	80MHz	1	1	0-4.5	4.5
19.65	19.44	19.69	19.70	19.45	19.65	20.4	CP QPSK	80MHz	1	1	0-1.5	1.5

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
649000	651800	654600	657400	660200	663000	Channel						
3735	3777	3819	3861	3903	3945	Freq. (MHz)						
21.32	21.29	21.12	21.07	21.19	21.26	21.9	DFT-S $\pi/2$ BPSK	70MHz	1	1	0	0
21.10	21.16	21.13	21.18	21.10	21.11	21.9	DFT-S $\pi/2$ BPSK	70MHz	1	95	0	0
21.11	21.11	21.09	21.01	21.10	21.02	21.9	DFT-S $\pi/2$ BPSK	70MHz	1	187	0	0
20.67	20.64	20.57	20.53	20.52	20.63	21.4	DFT-S $\pi/2$ BPSK	70MHz	90	0	0-0.5	0.5
21.26	21.15	21.14	21.07	21.17	21.15	21.9	DFT-S $\pi/2$ BPSK	70MHz	90	50	0	0
20.77	20.72	20.51	20.42	20.72	20.67	21.4	DFT-S $\pi/2$ BPSK	70MHz	90	99	0-0.5	0.5
20.28	20.31	19.99	20.02	20.18	20.24	21.4	DFT-S $\pi/2$ BPSK	70MHz	180	0	0-1	0.5
21.35	20.72	20.80	20.73	20.70	20.68	21.9	DFT-S QPSK	70MHz	1	1	0	0
21.27	21.11	21.20	21.09	21.07	21.20	21.9	DFT-S QPSK	70MHz	1	95	0	0
21.21	21.17	21.05	21.01	21.12	21.19	21.9	DFT-S QPSK	70MHz	1	187	0	0
20.52	20.37	20.29	20.17	20.26	20.47	20.9	DFT-S QPSK	70MHz	90	0	0-1	1
21.25	21.27	21.19	21.19	21.15	21.28	21.9	DFT-S QPSK	70MHz	90	50	0	0
20.34	20.09	20.24	20.11	20.01	20.28	20.9	DFT-S QPSK	70MHz	90	99	0-1	1
20.19	19.95	20.15	20.15	19.85	20.11	20.9	DFT-S QPSK	70MHz	180	0	0-1	1
20.26	19.97	20.10	20.02	19.81	20.22	20.9	DFT-S 16QAM	70MHz	1	1	0-1	1
18.66	18.51	18.63	18.68	18.41	18.67	19.4	DFT-S 64QAM	70MHz	1	1	0-2.5	2.5
16.69	16.43	16.76	16.74	16.45	16.63	17.4	DFT-S 256QAM	70MHz	1	1	0-4.5	4.5
19.64	19.48	19.68	19.69	19.48	19.57	20.4	CP QPSK	70MHz	1	1	0-1.5	1.5

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
648668	651600	654534	657466	660400	663332	Channel						
3730.02	3774	3818.01	3861.99	3906	3949.98	Freq. (MHz)						
21.32	21.19	21.13	21.14	21.17	21.26	21.9	DFT-S $\pi/2$ BPSK	60MHz	1	1	0	0
21.10	21.13	21.19	21.16	21.09	21.06	21.9	DFT-S $\pi/2$ BPSK	60MHz	1	81	0	0
21.04	21.20	21.15	21.04	21.18	20.98	21.9	DFT-S $\pi/2$ BPSK	60MHz	1	160	0	0
20.70	20.57	20.57	20.59	20.54	20.72	21.4	DFT-S $\pi/2$ BPSK	60MHz	81	0	0-0.5	0.5
21.29	21.17	21.11	21.12	21.17	21.22	21.9	DFT-S $\pi/2$ BPSK	60MHz	81	41	0	0
20.75	20.74	20.50	20.47	20.71	20.72	21.4	DFT-S $\pi/2$ BPSK	60MHz	81	81	0-0.5	0.5
20.32	20.31	19.98	20.04	20.15	20.22	21.4	DFT-S $\pi/2$ BPSK	60MHz	162	0	0-1	0.5
21.40	20.66	20.70	20.77	20.70	20.72	21.9	DFT-S QPSK	60MHz	1	1	0	0
21.30	21.13	21.14	21.16	21.09	21.26	21.9	DFT-S QPSK	60MHz	1	81	0	0
21.22	21.11	20.99	21.00	21.10	21.20	21.9	DFT-S QPSK	60MHz	1	160	0	0
20.50	20.37	20.24	20.12	20.31	20.51	20.9	DFT-S QPSK	60MHz	81	0	0-1	1
21.19	21.22	21.14	21.18	21.13	21.22	21.9	DFT-S QPSK	60MHz	81	41	0	0
20.28	20.11	20.24	20.13	19.98	20.29	20.9	DFT-S QPSK	60MHz	81	81	0-1	1
20.17	19.85	20.11	20.13	19.92	20.05	20.9	DFT-S QPSK	60MHz	162	0	0-1	1
20.25	19.97	20.07	20.06	19.82	20.16	20.9	DFT-S 16QAM	60MHz	1	1	0-1	1
18.73	18.43	18.70	18.64	18.38	18.59	19.4	DFT-S 64QAM	60MHz	1	1	0-2.5	2.5
16.71	16.47	16.84	16.71	16.44	16.64	17.4	DFT-S 256QAM	60MHz	1	1	0-4.5	4.5
19.62	19.47	19.71	19.67	19.39	19.55	20.4	CP QPSK	60MHz	1	1	0-1.5	1.5

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
648334	651400	654466	657534	660600	663666	Channel						
3725.01	3771	3816.99	3863.01	3909	3954.99	Freq. (MHz)						
21.32	21.23	21.13	21.14	21.15	21.26	21.9	DFT-S $\pi/2$ BPSK	50MHz	1	1	0	0
21.10	21.21	21.23	21.18	21.10	21.07	21.9	DFT-S $\pi/2$ BPSK	50MHz	1	67	0	0
21.05	21.21	21.08	21.09	21.12	21.04	21.9	DFT-S $\pi/2$ BPSK	50MHz	1	131	0	0
20.71	20.65	20.55	20.58	20.51	20.65	21.4	DFT-S $\pi/2$ BPSK	50MHz	64	0	0-0.5	0.5
21.26	21.21	21.18	21.07	21.15	21.12	21.9	DFT-S $\pi/2$ BPSK	50MHz	64	35	0	0
20.71	20.73	20.50	20.43	20.75	20.69	21.4	DFT-S $\pi/2$ BPSK	50MHz	64	69	0-0.5	0.5
20.31	20.30	19.96	20.03	20.20	20.19	21.4	DFT-S $\pi/2$ BPSK	50MHz	128	0	0-1	0.5
21.41	20.74	20.74	20.81	20.69	20.74	21.9	DFT-S QPSK	50MHz	1	1	0	0
21.27	21.19	21.19	21.06	21.11	21.28	21.9	DFT-S QPSK	50MHz	1	1	0	0
21.27	21.11	21.06	20.97	21.11	21.23	21.9	DFT-S QPSK	50MHz	1	67	0	0
20.53	20.34	20.31	20.19	20.31	20.49	20.9	DFT-S QPSK	50MHz	1	131	0-1	1
21.29	21.23	21.16	21.11	21.15	21.23	21.9	DFT-S QPSK	50MHz	64	0	0	0
20.36	20.11	20.22	20.14	20.00	20.30	20.9	DFT-S QPSK	50MHz	64	35	0-1	1
20.17	19.87	20.21	20.10	19.92	20.04	20.9	DFT-S QPSK	50MHz	64	69	0-1	1
20.27	19.97	20.12	20.05	19.90	20.15	20.9	DFT-S 16QAM	50MHz	128	0	0-1	1
18.68	18.47	18.69	18.64	18.47	18.68	19.4	DFT-S 64QAM	50MHz	1	1	0-2.5	2.5
16.67	16.47	16.75	16.71	16.40	16.61	17.4	DFT-S 256QAM	50MHz	1	1	0-4.5	4.5
19.56	19.45	19.76	19.65	19.46	19.62	20.4	CP QPSK	50MHz	1	1	0-1.5	1.5

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
648000	651200	654400	657600	660800	664000	Channel						
3720	3768	3816	3864	3912	3960	Freq. (MHz)						
21.34	21.21	21.11	21.13	21.12	21.28	21.9	DFT-S $\pi/2$ BPSK	40MHz	1	1	0	0
21.14	21.22	21.19	21.09	21.15	21.12	21.9	DFT-S $\pi/2$ BPSK	40MHz	1	53	0	0
21.03	21.21	21.07	21.04	21.17	21.06	21.9	DFT-S $\pi/2$ BPSK	40MHz	1	104	0	0
20.74	20.57	20.55	20.61	20.54	20.64	21.4	DFT-S $\pi/2$ BPSK	40MHz	50	0	0-0.5	0.5
21.22	21.18	21.17	21.12	21.19	21.15	21.9	DFT-S $\pi/2$ BPSK	40MHz	50	28	0	0
20.71	20.76	20.46	20.46	20.72	20.77	21.4	DFT-S $\pi/2$ BPSK	40MHz	50	56	0-0.5	0.5
20.27	20.22	20.00	20.06	20.24	20.21	21.4	DFT-S $\pi/2$ BPSK	40MHz	100	0	0-1	0.5
21.35	20.67	20.73	20.73	20.75	20.68	21.9	DFT-S QPSK	40MHz	1	1	0	0
21.34	21.15	21.18	21.16	21.10	21.21	21.9	DFT-S QPSK	40MHz	1	53	0	0
21.21	21.08	21.07	20.95	21.14	21.24	21.9	DFT-S QPSK	40MHz	1	104	0	0
20.51	20.31	20.28	20.15	20.31	20.50	20.9	DFT-S QPSK	40MHz	50	0	0-1	1
21.21	21.22	21.15	21.19	21.19	21.23	21.9	DFT-S QPSK	40MHz	50	28	0	0
20.37	20.04	20.16	20.10	19.92	20.25	20.9	DFT-S QPSK	40MHz	50	56	0-1	1
20.19	19.86	20.17	20.13	19.91	20.14	20.9	DFT-S QPSK	40MHz	100	0	0-1	1
20.26	19.96	20.10	20.00	19.83	20.23	20.9	DFT-S 16QAM	40MHz	128	0	0-1	1
18.66	18.51	18.62	18.67	18.48	18.68	19.4	DFT-S 64QAM	40MHz	1	1	0-2.5	2.5
16.65	16.37	16.80	16.72	16.41	16.67	17.4	DFT-S 256QAM	40MHz	1	1	0-4.5	4.5
19.60	19.43	19.68	19.65	19.40	19.63	20.4	CP QPSK	40MHz	1	1	0-1.5	1.5

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
647668	651000	654334	657666	661000	664332	Channel						
3715.02	3765	3815.01	3864.99	3915	3964.98	Freq. (MHz)						
21.33	21.22	21.14	21.09	21.19	21.25	21.9	DFT-S $\pi/2$ BPSK	30MHz	1	1	0	0
21.13	21.21	21.19	21.19	21.11	21.04	21.9	DFT-S $\pi/2$ BPSK	30MHz	1	39	0	0
21.09	21.18	21.16	21.01	21.14	21.06	21.9	DFT-S $\pi/2$ BPSK	30MHz	1	76	0	0
20.75	20.66	20.61	20.63	20.51	20.67	21.4	DFT-S $\pi/2$ BPSK	30MHz	36	0	0-0.5	0.5
21.26	21.13	21.18	21.03	21.21	21.12	21.9	DFT-S $\pi/2$ BPSK	30MHz	36	21	0	0
20.76	20.73	20.51	20.39	20.71	20.70	21.4	DFT-S $\pi/2$ BPSK	30MHz	36	42	0-0.5	0.5
20.25	20.28	19.99	19.97	20.22	20.20	21.4	DFT-S $\pi/2$ BPSK	30MHz	75	0	0-1	0.5
21.40	20.74	20.72	20.78	20.69	20.72	21.9	DFT-S QPSK	30MHz	1	1	0	0
21.26	21.14	21.17	21.10	21.11	21.21	21.9	DFT-S QPSK	30MHz	1	39	0	0
21.21	21.17	21.07	20.99	21.08	21.19	21.9	DFT-S QPSK	30MHz	1	76	0	0
20.50	20.30	20.26	20.19	20.25	20.56	20.9	DFT-S QPSK	30MHz	36	0	0-1	1
21.29	21.26	21.19	21.09	21.18	21.25	21.9	DFT-S QPSK	30MHz	36	21	0	0
20.35	20.08	20.18	20.04	19.94	20.25	20.9	DFT-S QPSK	30MHz	36	42	0-1	1
20.18	19.94	20.14	20.16	19.85	20.14	20.9	DFT-S QPSK	30MHz	75	0	0-1	1
20.34	19.95	20.11	20.02	19.89	20.16	20.9	DFT-S 16QAM	30MHz	128	0	0-1	1
18.66	18.51	18.71	18.60	18.48	18.61	19.4	DFT-S 64QAM	30MHz	1	1	0-2.5	2.5
16.65	16.44	16.82	16.71	16.47	16.62	17.4	DFT-S 256QAM	30MHz	1	1	0-4.5	4.5
19.56	19.41	19.76	19.61	19.47	19.60	20.4	CP QPSK	30MHz	1	1	0-1.5	1.5

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
647500	650900	654300	657700	661100	664500	Channel						
3712.5	3763.5	3814.5	3865.5	3916.5	3967.5	Freq. (MHz)						
21.34	21.25	21.10	21.10	21.20	21.25	21.9	DFT-S $\pi/2$ BPSK	25MHz	1	1	0	0
21.07	21.17	21.22	21.17	21.14	21.07	21.9	DFT-S $\pi/2$ BPSK	25MHz	1	33	0	0
21.04	21.15	21.16	21.07	21.18	21.08	21.9	DFT-S $\pi/2$ BPSK	25MHz	1	63	0	0
20.66	20.66	20.65	20.53	20.48	20.65	21.4	DFT-S $\pi/2$ BPSK	25MHz	32	0	0-0.5	0.5
21.23	21.22	21.20	21.07	21.19	21.14	21.9	DFT-S $\pi/2$ BPSK	25MHz	32	17	0	0
20.69	20.74	20.52	20.38	20.70	20.67	21.4	DFT-S $\pi/2$ BPSK	25MHz	32	33	0-0.5	0.5
20.31	20.21	19.99	19.99	20.21	20.18	21.4	DFT-S $\pi/2$ BPSK	25MHz	64	0	0-1	0.5
21.35	20.68	20.75	20.78	20.72	20.64	21.9	DFT-S QPSK	25MHz	1	1	0	0
21.25	21.13	21.20	21.10	21.08	21.22	21.9	DFT-S QPSK	25MHz	1	33	0	0
21.26	21.09	21.08	20.98	21.07	21.25	21.9	DFT-S QPSK	25MHz	1	63	0	0
20.58	20.34	20.22	20.22	20.26	20.52	20.9	DFT-S QPSK	25MHz	32	0	0-1	1
21.23	21.21	21.10	21.15	21.16	21.21	21.9	DFT-S QPSK	25MHz	32	17	0	0
20.28	20.10	20.24	20.10	19.92	20.24	20.9	DFT-S QPSK	25MHz	32	33	0-1	1
20.15	19.91	20.17	20.17	19.93	20.06	20.9	DFT-S QPSK	25MHz	64	0	0-1	1
20.33	19.97	20.14	20.07	19.83	20.15	20.9	DFT-S 16QAM	25MHz	128	0	0-1	1
18.72	18.49	18.63	18.61	18.44	18.69	19.4	DFT-S 64QAM	25MHz	1	1	0-2.5	2.5
16.69	16.37	16.81	16.73	16.42	16.63	17.4	DFT-S 256QAM	25MHz	1	1	0-4.5	4.5
19.59	19.45	19.67	19.70	19.46	19.60	20.4	CP QPSK	25MHz	1	1	0-1.5	1.5

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
647334	650800	654266	657734	661200	664666	Channel						
3710.01	3762	3813.99	3866.01	3918	3969.99	Freq. (MHz)						
21.35	21.24	21.10	21.16	21.19	21.26	21.9	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0
21.14	21.20	21.23	21.11	21.06	21.08	21.9	DFT-S $\pi/2$ BPSK	20MHz	1	26	0	0
21.09	21.18	21.14	20.99	21.12	20.99	21.9	DFT-S $\pi/2$ BPSK	20MHz	1	49	0	0
20.70	20.66	20.55	20.61	20.50	20.65	21.4	DFT-S $\pi/2$ BPSK	20MHz	25	0	0-0.5	0.5
21.20	21.13	21.12	21.08	21.16	21.12	21.9	DFT-S $\pi/2$ BPSK	20MHz	25	13	0	0
20.75	20.75	20.46	20.46	20.70	20.71	21.4	DFT-S $\pi/2$ BPSK	20MHz	25	26	0-0.5	0.5
20.26	20.29	19.99	19.96	20.16	20.25	21.4	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-1	0.5
21.42	20.67	20.77	20.72	20.69	20.64	21.9	DFT-S QPSK	20MHz	1	1	0	0
21.32	21.14	21.14	21.12	21.05	21.21	21.9	DFT-S QPSK	20MHz	1	26	0	0
21.18	21.17	20.99	20.96	21.14	21.22	21.9	DFT-S QPSK	20MHz	1	49	0	0
20.50	20.34	20.25	20.21	20.30	20.51	20.9	DFT-S QPSK	20MHz	25	0	0-1	1
21.24	21.25	21.18	21.13	21.18	21.28	21.9	DFT-S QPSK	20MHz	25	13	0	0
20.33	20.05	20.16	20.08	19.94	20.24	20.9	DFT-S QPSK	20MHz	25	26	0-1	1
20.20	19.90	20.21	20.18	19.89	20.11	20.9	DFT-S QPSK	20MHz	50	0	0-1	1
20.32	19.93	20.15	20.07	19.90	20.19	20.9	DFT-S 16QAM	20MHz	128	0	0-1	1
18.74	18.47	18.62	18.67	18.45	18.64	19.4	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5
16.69	16.37	16.75	16.71	16.38	16.68	17.4	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5
19.60	19.47	19.77	19.71	19.38	19.64	20.4	CP QPSK	20MHz	1	1	0-1.5	1.5

NR Band n77 For FCC													
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
647168	650700	654234	657766	661300	664832	Channel							
3707.52	3760.5	3813.51	3866.49	3919.5	3972.48	Freq. (MHz)							
21.40	21.19	21.17	21.09	21.18	21.23	21.9	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0	
21.09	21.19	21.21	21.15	21.14	21.08	21.9	DFT-S $\pi/2$ BPSK	15MHz	1	19	0	0	
21.07	21.20	21.17	21.05	21.13	21.05	21.9	DFT-S $\pi/2$ BPSK	15MHz	1	36	0	0	
20.74	20.59	20.55	20.63	20.50	20.73	21.4	DFT-S $\pi/2$ BPSK	15MHz	18	0	0-0.5	0.5	
21.26	21.18	21.14	21.04	21.17	21.21	21.9	DFT-S $\pi/2$ BPSK	15MHz	18	10	0	0	
20.71	20.81	20.56	20.37	20.68	20.68	21.4	DFT-S $\pi/2$ BPSK	15MHz	18	20	0-0.5	0.5	
20.24	20.25	20.00	19.96	20.19	20.28	21.4	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-1	0.5	
21.38	20.64	20.77	20.73	20.73	20.71	21.9	DFT-S QPSK	15MHz	1	1	0	0	
21.27	21.15	21.11	21.14	21.13	21.23	21.9	DFT-S QPSK	15MHz	1	19	0	0	
21.19	21.08	21.08	21.02	21.09	21.25	21.9	DFT-S QPSK	15MHz	1	36	0	0	
20.58	20.30	20.21	20.21	20.33	20.57	20.9	DFT-S QPSK	15MHz	18	0	0-1	1	
21.29	21.26	21.09	21.09	21.16	21.25	21.9	DFT-S QPSK	15MHz	18	10	0	0	
20.38	20.08	20.24	20.14	20.00	20.27	20.9	DFT-S QPSK	15MHz	18	20	0-1	1	
20.21	19.89	20.19	20.14	19.94	20.09	20.9	DFT-S QPSK	15MHz	36	0	0-1	1	
20.34	19.95	20.15	20.01	19.91	20.24	20.9	DFT-S 16QAM	15MHz	128	0	0-1	1	
18.75	18.42	18.69	18.68	18.48	18.67	19.4	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5	
16.69	16.41	16.78	16.71	16.38	16.66	17.4	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5	
19.57	19.44	19.68	19.69	19.40	19.65	20.4	CP QPSK	15MHz	1	1	0-1.5	1.5	

NR Band n77 For FCC												
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
647000	647000	651500	656000	660500	665000	Channel						
3705	3705	3772.5	3840	3907.5	3975	Freq. (MHz)						
21.33	21.19	21.16	21.16	21.16	21.22	21.9	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0
21.09	21.22	21.15	21.19	21.15	21.05	21.9	DFT-S $\pi/2$ BPSK	10MHz	1	11	0	0
21.11	21.16	21.16	20.99	21.13	21.01	21.9	DFT-S $\pi/2$ BPSK	10MHz	1	22	0	0
20.67	20.65	20.57	20.53	20.54	20.67	21.4	DFT-S $\pi/2$ BPSK	10MHz	12	0	0-0.5	0.5
21.26	21.15	21.14	21.03	21.18	21.22	21.9	DFT-S $\pi/2$ BPSK	10MHz	12	6	0	0
20.74	20.77	20.47	20.41	20.70	20.71	21.4	DFT-S $\pi/2$ BPSK	10MHz	12	12	0-0.5	0.5
20.27	20.25	20.03	20.04	20.14	20.27	21.4	DFT-S $\pi/2$ BPSK	10MHz	24	0	0-1	0.5
21.39	20.69	20.78	20.80	20.73	20.66	21.9	DFT-S QPSK	10MHz	1	1	0	0
21.29	21.18	21.11	21.14	21.11	21.22	21.9	DFT-S QPSK	10MHz	1	11	0	0
21.20	21.12	21.02	21.02	21.11	21.20	21.9	DFT-S QPSK	10MHz	1	22	0	0
20.52	20.30	20.30	20.20	20.28	20.51	20.9	DFT-S QPSK	10MHz	12	0	0-1	1
21.25	21.30	21.12	21.09	21.18	21.25	21.9	DFT-S QPSK	10MHz	12	6	0	0
20.32	20.07	20.15	20.13	19.93	20.25	20.9	DFT-S QPSK	10MHz	12	12	0-1	1
20.13	19.89	20.14	20.17	19.90	20.09	20.9	DFT-S QPSK	10MHz	24	0	0-1	1
20.30	19.99	20.14	20.10	19.90	20.15	20.9	DFT-S 16QAM	10MHz	128	0	0-1	1
18.68	18.47	18.70	18.69	18.44	18.66	19.4	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5
16.67	16.47	16.75	16.69	16.39	16.60	17.4	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5
19.61	19.40	19.73	19.61	19.41	19.58	20.4	CP QPSK	10MHz	1	1	0-1.5	1.5

NR Band n78							MPR Allowed by 3GPP (dB)	Target MPR (dB)
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	Channel		
650000	Channel							
3750	Freq. (MHz)							
21.46	21.9	DFT-S $\pi/2$ BPSK	100MHz	1	1	0	0	
21.41	21.9	DFT-S $\pi/2$ BPSK	100MHz	1	137	0	0	
21.32	21.9	DFT-S $\pi/2$ BPSK	100MHz	1	271	0	0	
20.85	21.4	DFT-S $\pi/2$ BPSK	100MHz	135	0	0-0.5	0.5	
21.37	21.9	DFT-S $\pi/2$ BPSK	100MHz	135	69	0	0	
20.83	21.4	DFT-S $\pi/2$ BPSK	100MHz	135	138	0-0.5	0.5	
20.80	21.4	DFT-S $\pi/2$ BPSK	100MHz	270	0	0-1	0.5	
21.65	21.9	DFT-S QPSK	100MHz	1	1	0	0	
21.44	21.9	DFT-S QPSK	100MHz	1	137	0	0	
21.42	21.9	DFT-S QPSK	100MHz	1	271	0	0	
20.51	20.9	DFT-S QPSK	100MHz	135	0	0-1	1	
21.46	21.9	DFT-S QPSK	100MHz	135	69	0	0	
20.48	20.9	DFT-S QPSK	100MHz	135	138	0-1	1	
20.45	20.9	DFT-S QPSK	100MHz	270	0	0-1	1	
20.41	20.9	DFT-S 16QAM	100MHz	1	1	0-1	1	
19.52	19.4	DFT-S 64QAM	100MHz	1	1	0-2.5	2.5	
17.49	17.4	DFT-S 256QAM	100MHz	1	1	0-4.5	4.5	
20.47	20.4	CP QPSK	100MHz	1	1	0-1.5	1.5	

NR Band n78 For FCC									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
649668	650000	650332	Channel						
3745.02	3750	3754.98	Freq. (MHz)						
21.39	21.37	21.38	21.9	DFT-S $\pi/2$ BPSK	90MHz	1	1	0	0
21.19	21.36	21.27	21.9	DFT-S $\pi/2$ BPSK	90MHz	1	123	0	0
21.23	21.22	21.19	21.9	DFT-S $\pi/2$ BPSK	90MHz	1	243	0	0
20.74	20.79	20.82	21.4	DFT-S $\pi/2$ BPSK	90MHz	120	0	0-0.5	0.5
21.17	21.31	21.33	21.9	DFT-S $\pi/2$ BPSK	90MHz	120	63	0	0
20.58	20.81	20.68	21.4	DFT-S $\pi/2$ BPSK	90MHz	120	125	0-0.5	0.5
20.74	20.76	20.76	21.4	DFT-S $\pi/2$ BPSK	90MHz	243	0	0-1	0.5
21.35	21.51	21.47	21.9	DFT-S QPSK	90MHz	1	1	0	0
21.31	21.44	21.38	21.9	DFT-S QPSK	90MHz	1	123	0	0
21.33	21.34	21.37	21.9	DFT-S QPSK	90MHz	1	243	0	0
20.31	20.47	20.40	20.9	DFT-S QPSK	90MHz	120	0	0-1	1
21.23	21.44	21.35	21.9	DFT-S QPSK	90MHz	120	63	0	0
20.29	20.46	20.31	20.9	DFT-S QPSK	90MHz	120	125	0-1	1
20.24	20.39	20.32	20.9	DFT-S QPSK	90MHz	243	0	0-1	1
20.33	20.40	20.40	20.9	DFT-S 16QAM	90MHz	1	1	0-1	1
18.88	18.92	18.84	19.4	DFT-S 64QAM	90MHz	1	1	0-2.5	2.5
16.97	16.89	16.93	17.4	DFT-S 256QAM	90MHz	1	1	0-4.5	4.5
19.88	19.95	19.86	20.4	CP QPSK	90MHz	1	1	0-1.5	1.5

NR Band n78 For FCC										
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
649334	650000	650666	Channel							
3740.01	3750	3759.99	Freq. (MHz)							
21.39	21.46	21.44	21.9	DFT-S $\pi/2$ BPSK	80MHz	1	1	0	0	
21.22	21.34	21.23	21.9	DFT-S $\pi/2$ BPSK	80MHz	1	109	0	0	
21.26	21.28	21.27	21.9	DFT-S $\pi/2$ BPSK	80MHz	1	215	0	0	
20.73	20.79	20.82	21.4	DFT-S $\pi/2$ BPSK	80MHz	108	0	0-0.5	0.5	
21.25	21.33	21.23	21.9	DFT-S $\pi/2$ BPSK	80MHz	108	55	0	0	
20.58	20.80	20.66	21.4	DFT-S $\pi/2$ BPSK	80MHz	108	109	0-0.5	0.5	
20.76	20.71	20.71	21.4	DFT-S $\pi/2$ BPSK	80MHz	216	0	0-1	0.5	
21.36	21.43	21.48	21.9	DFT-S QPSK	80MHz	1	1	0	0	
21.25	21.38	21.32	21.9	DFT-S QPSK	80MHz	1	109	0	0	
21.26	21.40	21.36	21.9	DFT-S QPSK	80MHz	1	215	0	0	
20.36	20.51	20.46	20.9	DFT-S QPSK	80MHz	108	0	0-1	1	
21.30	21.39	21.31	21.9	DFT-S QPSK	80MHz	108	55	0	0	
20.28	20.45	20.34	20.9	DFT-S QPSK	80MHz	108	109	0-1	1	
20.24	20.40	20.28	20.9	DFT-S QPSK	80MHz	216	0	0-1	1	
20.30	20.39	20.31	20.9	DFT-S 16QAM	80MHz	1	1	0-1	1	
18.86	18.92	18.92	19.4	DFT-S 64QAM	80MHz	1	1	0-2.5	2.5	
16.95	16.89	16.98	17.4	DFT-S 256QAM	80MHz	1	1	0-4.5	4.5	
19.86	19.92	19.88	20.4	CP QPSK	80MHz	1	1	0-1.5	1.5	

NR Band n78 For FCC									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
649000	650000	651000	Channel						
3735	3750	3765	Freq. (MHz)						
21.34	21.37	21.43	21.9	DFT-S $\pi/2$ BPSK	70MHz	1	1	0	0
21.21	21.37	21.22	21.9	DFT-S $\pi/2$ BPSK	70MHz	1	95	0	0
21.19	21.25	21.24	21.9	DFT-S $\pi/2$ BPSK	70MHz	1	187	0	0
20.75	20.76	20.79	21.4	DFT-S $\pi/2$ BPSK	70MHz	90	0	0-0.5	0.5
21.20	21.33	21.32	21.9	DFT-S $\pi/2$ BPSK	70MHz	90	50	0	0
20.66	20.81	20.69	21.4	DFT-S $\pi/2$ BPSK	70MHz	90	99	0-0.5	0.5
20.75	20.77	20.73	21.4	DFT-S $\pi/2$ BPSK	70MHz	180	0	0-1	0.5
21.35	21.45	21.41	21.9	DFT-S QPSK	70MHz	1	1	0	0
21.28	21.38	21.33	21.9	DFT-S QPSK	70MHz	1	95	0	0
21.29	21.33	21.34	21.9	DFT-S QPSK	70MHz	1	187	0	0
20.31	20.44	20.46	20.9	DFT-S QPSK	70MHz	90	0	0-1	1
21.32	21.37	21.33	21.9	DFT-S QPSK	70MHz	90	50	0	0
20.27	20.46	20.32	20.9	DFT-S QPSK	70MHz	90	99	0-1	1
20.19	20.45	20.33	20.9	DFT-S QPSK	70MHz	180	0	0-1	1
20.28	20.37	20.35	20.9	DFT-S 16QAM	70MHz	1	1	0-1	1
18.83	18.99	18.90	19.4	DFT-S 64QAM	70MHz	1	1	0-2.5	2.5
16.88	16.89	16.94	17.4	DFT-S 256QAM	70MHz	1	1	0-4.5	4.5
19.83	19.91	19.86	20.4	CP QPSK	70MHz	1	1	0-1.5	1.5

NR Band n78 For FCC											
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)		
648668	650000	651332	Channel								
3730.02	3750	3769.98	Freq. (MHz)								
21.37	21.36	21.36	21.9	DFT-S $\pi/2$ BPSK	60MHz	1	1	0	0		
21.19	21.37	21.25	21.9	DFT-S $\pi/2$ BPSK	60MHz	1	81	0	0		
21.20	21.22	21.21	21.9	DFT-S $\pi/2$ BPSK	60MHz	1	160	0	0		
20.66	20.83	20.82	21.4	DFT-S $\pi/2$ BPSK	60MHz	81	0	0-0.5	0.5		
21.25	21.33	21.23	21.9	DFT-S $\pi/2$ BPSK	60MHz	81	41	0	0		
20.59	20.81	20.72	21.4	DFT-S $\pi/2$ BPSK	60MHz	81	81	0-0.5	0.5		
20.71	20.79	20.69	21.4	DFT-S $\pi/2$ BPSK	60MHz	162	0	0-1	0.5		
21.36	21.50	21.47	21.9	DFT-S QPSK	60MHz	1	1	0	0		
21.28	21.39	21.31	21.9	DFT-S QPSK	60MHz	1	81	0	0		
21.25	21.36	21.38	21.9	DFT-S QPSK	60MHz	1	160	0	0		
20.37	20.49	20.40	20.9	DFT-S QPSK	60MHz	81	0	0-1	1		
21.26	21.38	21.30	21.9	DFT-S QPSK	60MHz	81	41	0	0		
20.33	20.43	20.36	20.9	DFT-S QPSK	60MHz	81	81	0-1	1		
20.26	20.45	20.34	20.9	DFT-S QPSK	60MHz	162	0	0-1	1		
20.31	20.36	20.41	20.9	DFT-S 16QAM	60MHz	1	1	0-1	1		
18.85	19.01	18.90	19.4	DFT-S 64QAM	60MHz	1	1	0-2.5	2.5		
16.91	16.91	16.96	17.4	DFT-S 256QAM	60MHz	1	1	0-4.5	4.5		
19.85	19.90	19.84	20.4	CP QPSK	60MHz	1	1	0-1.5	1.5		

NR Band n78 For FCC										
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
648334	650000	651666	Channel							
3725.01	3750	3774.99	Freq. (MHz)							
21.38	21.43	21.41	21.9	DFT-S $\pi/2$ BPSK	50MHz	1	1	0	0	
21.21	21.37	21.28	21.9	DFT-S $\pi/2$ BPSK	50MHz	1	67	0	0	
21.20	21.24	21.25	21.9	DFT-S $\pi/2$ BPSK	50MHz	1	131	0	0	
20.66	20.82	20.78	21.4	DFT-S $\pi/2$ BPSK	50MHz	64	0	0-0.5	0.5	
21.20	21.34	21.31	21.9	DFT-S $\pi/2$ BPSK	50MHz	64	35	0	0	
20.67	20.77	20.76	21.4	DFT-S $\pi/2$ BPSK	50MHz	64	69	0-0.5	0.5	
20.77	20.76	20.69	21.4	DFT-S $\pi/2$ BPSK	50MHz	128	0	0-1	0.5	
21.34	21.49	21.39	21.9	DFT-S QPSK	50MHz	1	1	0	0	
21.31	21.37	21.31	21.9	DFT-S QPSK	50MHz	1	1	0	0	
21.27	21.35	21.32	21.9	DFT-S QPSK	50MHz	1	67	0	0	
20.32	20.47	20.41	20.9	DFT-S QPSK	50MHz	1	131	0-1	1	
21.23	21.42	21.37	21.9	DFT-S QPSK	50MHz	64	0	0	0	
20.34	20.47	20.36	20.9	DFT-S QPSK	50MHz	64	35	0-1	1	
20.25	20.44	20.38	20.9	DFT-S QPSK	50MHz	64	69	0-1	1	
20.26	20.35	20.35	20.9	DFT-S 16QAM	50MHz	128	0	0-1	1	
18.87	18.96	18.87	19.4	DFT-S 64QAM	50MHz	1	1	0-2.5	2.5	
16.89	16.98	16.97	17.4	DFT-S 256QAM	50MHz	1	1	0-4.5	4.5	
19.84	19.89	19.91	20.4	CP QPSK	50MHz	1	1	0-1.5	1.5	

NR Band n78 For FCC									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
648000	650000	652000	Channel						
3720	3750	3780	Freq. (MHz)						
21.36	21.46	21.44	21.9	DFT-S $\pi/2$ BPSK	40MHz	1	1	0	0
21.21	21.35	21.26	21.9	DFT-S $\pi/2$ BPSK	40MHz	1	53	0	0
21.27	21.28	21.18	21.9	DFT-S $\pi/2$ BPSK	40MHz	1	104	0	0
20.73	20.82	20.78	21.4	DFT-S $\pi/2$ BPSK	40MHz	50	0	0-0.5	0.5
21.19	21.36	21.28	21.9	DFT-S $\pi/2$ BPSK	40MHz	50	28	0	0
20.61	20.78	20.72	21.4	DFT-S $\pi/2$ BPSK	40MHz	50	56	0-0.5	0.5
20.70	20.75	20.69	21.4	DFT-S $\pi/2$ BPSK	40MHz	100	0	0-1	0.5
21.35	21.49	21.45	21.9	DFT-S QPSK	40MHz	1	1	0	0
21.33	21.38	21.33	21.9	DFT-S QPSK	40MHz	1	53	0	0
21.31	21.36	21.37	21.9	DFT-S QPSK	40MHz	1	104	0	0
20.31	20.46	20.43	20.9	DFT-S QPSK	40MHz	50	0	0-1	1
21.32	21.37	21.34	21.9	DFT-S QPSK	40MHz	50	28	0	0
20.30	20.39	20.30	20.9	DFT-S QPSK	40MHz	50	56	0-1	1
20.25	20.37	20.35	20.9	DFT-S QPSK	40MHz	100	0	0-1	1
20.28	20.36	20.39	20.9	DFT-S 16QAM	40MHz	128	0	0-1	1
18.86	19.01	18.84	19.4	DFT-S 64QAM	40MHz	1	1	0-2.5	2.5
16.94	16.94	17.65	17.4	DFT-S 256QAM	40MHz	1	1	0-4.5	4.5
19.85	19.96	19.87	20.4	CP QPSK	40MHz	1	1	0-1.5	1.5

NR Band n78 For FCC									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
647668	650000	652332	Channel						
3715.02	3750	3784.98	Freq. (MHz)						
21.34	21.46	21.43	21.9	DFT-S $\pi/2$ BPSK	30MHz	1	1	0	0
21.19	21.33	21.30	21.9	DFT-S $\pi/2$ BPSK	30MHz	1	39	0	0
21.17	21.30	21.19	21.9	DFT-S $\pi/2$ BPSK	30MHz	1	76	0	0
20.70	20.83	20.82	21.4	DFT-S $\pi/2$ BPSK	30MHz	36	0	0-0.5	0.5
21.25	21.27	21.30	21.9	DFT-S $\pi/2$ BPSK	30MHz	36	21	0	0
20.64	20.74	20.67	21.4	DFT-S $\pi/2$ BPSK	30MHz	36	42	0-0.5	0.5
20.69	20.75	20.73	21.4	DFT-S $\pi/2$ BPSK	30MHz	75	0	0-1	0.5
21.35	21.49	21.43	21.9	DFT-S QPSK	30MHz	1	1	0	0
21.29	21.41	21.41	21.9	DFT-S QPSK	30MHz	1	39	0	0
21.29	21.32	21.40	21.9	DFT-S QPSK	30MHz	1	76	0	0
20.38	20.48	20.45	20.9	DFT-S QPSK	30MHz	36	0	0-1	1
21.27	21.42	21.34	21.9	DFT-S QPSK	30MHz	36	21	0	0
20.28	20.38	20.39	20.9	DFT-S QPSK	30MHz	36	42	0-1	1
20.19	20.35	20.35	20.9	DFT-S QPSK	30MHz	75	0	0-1	1
20.27	20.40	20.39	20.9	DFT-S 16QAM	30MHz	128	0	0-1	1
18.83	18.92	18.87	19.4	DFT-S 64QAM	30MHz	1	1	0-2.5	2.5
16.90	16.97	16.95	17.4	DFT-S 256QAM	30MHz	1	1	0-4.5	4.5
19.80	19.90	19.86	20.4	CP QPSK	30MHz	1	1	0-1.5	1.5

NR Band n78 For FCC									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
647500	650000	652500	Channel						
3712.5	3750	3787.5	Freq. (MHz)						
21.41	21.40	21.44	21.9	DFT-S $\pi/2$ BPSK	25MHz	1	1	0	0
21.23	21.40	21.26	21.9	DFT-S $\pi/2$ BPSK	25MHz	1	33	0	0
21.24	21.30	21.23	21.9	DFT-S $\pi/2$ BPSK	25MHz	1	63	0	0
20.74	20.79	20.76	21.4	DFT-S $\pi/2$ BPSK	25MHz	32	0	0-0.5	0.5
21.25	21.36	21.24	21.9	DFT-S $\pi/2$ BPSK	25MHz	32	17	0	0
20.66	20.83	20.76	21.4	DFT-S $\pi/2$ BPSK	25MHz	32	33	0-0.5	0.5
20.76	20.78	20.79	21.4	DFT-S $\pi/2$ BPSK	25MHz	64	0	0-1	0.5
21.33	21.48	21.48	21.9	DFT-S QPSK	25MHz	1	1	0	0
21.25	21.34	21.41	21.9	DFT-S QPSK	25MHz	1	33	0	0
21.31	21.38	21.34	21.9	DFT-S QPSK	25MHz	1	63	0	0
20.37	20.41	20.46	20.9	DFT-S QPSK	25MHz	32	0	0-1	1
21.28	21.45	21.29	21.9	DFT-S QPSK	25MHz	32	17	0	0
20.35	20.38	20.35	20.9	DFT-S QPSK	25MHz	32	33	0-1	1
20.25	20.43	20.28	20.9	DFT-S QPSK	25MHz	64	0	0-1	1
20.27	20.34	20.34	20.9	DFT-S 16QAM	25MHz	128	0	0-1	1
18.91	18.93	18.89	19.4	DFT-S 64QAM	25MHz	1	1	0-2.5	2.5
16.88	16.99	16.98	17.4	DFT-S 256QAM	25MHz	1	1	0-4.5	4.5
19.84	19.92	19.91	20.4	CP QPSK	25MHz	1	1	0-1.5	1.5

NR Band n78 For FCC										
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)	
647334	650000	652666	Channel							
3710.01	3750	3789.99	Freq. (MHz)							
21.34	21.37	21.36	21.9	DFT-S $\pi/2$ BPSK	20MHz	1	1	0	0	
21.28	21.39	21.28	21.9	DFT-S $\pi/2$ BPSK	20MHz	1	26	0	0	
21.20	21.29	21.24	21.9	DFT-S $\pi/2$ BPSK	20MHz	1	49	0	0	
20.70	20.81	20.76	21.4	DFT-S $\pi/2$ BPSK	20MHz	25	0	0-0.5	0.5	
21.26	21.32	21.32	21.9	DFT-S $\pi/2$ BPSK	20MHz	25	13	0	0	
20.66	20.83	20.66	21.4	DFT-S $\pi/2$ BPSK	20MHz	25	26	0-0.5	0.5	
20.76	20.70	20.77	21.4	DFT-S $\pi/2$ BPSK	20MHz	50	0	0-1	0.5	
21.32	21.46	21.42	21.9	DFT-S QPSK	20MHz	1	1	0	0	
21.25	21.41	21.37	21.9	DFT-S QPSK	20MHz	1	26	0	0	
21.31	21.33	21.41	21.9	DFT-S QPSK	20MHz	1	49	0	0	
20.32	20.42	20.37	20.9	DFT-S QPSK	20MHz	25	0	0-1	1	
21.22	21.37	21.32	21.9	DFT-S QPSK	20MHz	25	13	0	0	
20.31	20.48	20.37	20.9	DFT-S QPSK	20MHz	25	26	0-1	1	
20.21	20.39	20.37	20.9	DFT-S QPSK	20MHz	50	0	0-1	1	
20.29	20.36	20.40	20.9	DFT-S 16QAM	20MHz	128	0	0-1	1	
18.87	18.92	18.88	19.4	DFT-S 64QAM	20MHz	1	1	0-2.5	2.5	
16.97	16.94	16.98	17.4	DFT-S 256QAM	20MHz	1	1	0-4.5	4.5	
19.88	19.91	19.93	20.4	CP QPSK	20MHz	1	1	0-1.5	1.5	

NR Band n78 For FCC									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
647168	650000	652832	Channel						
3707.52	3750	3792.48	Freq. (MHz)						
21.39	21.36	21.38	21.9	DFT-S $\pi/2$ BPSK	15MHz	1	1	0	0
21.22	21.37	21.29	21.9	DFT-S $\pi/2$ BPSK	15MHz	1	19	0	0
21.23	21.22	21.17	21.9	DFT-S $\pi/2$ BPSK	15MHz	1	36	0	0
20.71	20.76	20.75	21.4	DFT-S $\pi/2$ BPSK	15MHz	18	0	0-0.5	0.5
21.19	21.34	21.30	21.9	DFT-S $\pi/2$ BPSK	15MHz	18	10	0	0
20.60	20.82	20.66	21.4	DFT-S $\pi/2$ BPSK	15MHz	18	20	0-0.5	0.5
20.74	20.75	20.72	21.4	DFT-S $\pi/2$ BPSK	15MHz	36	0	0-1	0.5
21.41	21.47	21.41	21.9	DFT-S QPSK	15MHz	1	1	0	0
21.25	21.42	21.38	21.9	DFT-S QPSK	15MHz	1	19	0	0
21.26	21.37	21.36	21.9	DFT-S QPSK	15MHz	1	36	0	0
20.38	20.43	20.45	20.9	DFT-S QPSK	15MHz	18	0	0-1	1
21.26	21.42	21.33	21.9	DFT-S QPSK	15MHz	18	10	0	0
20.35	20.42	20.31	20.9	DFT-S QPSK	15MHz	18	20	0-1	1
20.20	20.38	20.37	20.9	DFT-S QPSK	15MHz	36	0	0-1	1
20.32	20.38	20.40	20.9	DFT-S 16QAM	15MHz	128	0	0-1	1
18.84	19.00	18.87	19.4	DFT-S 64QAM	15MHz	1	1	0-2.5	2.5
16.96	16.92	16.95	17.4	DFT-S 256QAM	15MHz	1	1	0-4.5	4.5
19.88	19.97	19.84	20.4	CP QPSK	15MHz	1	1	0-1.5	1.5

NR Band n78 For FCC									
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	MPR Allowed by 3GPP (dB)	Target MPR (dB)
647000	650000	653000	Channel						
3705	3750	3795	Freq. (MHz)						
21.41	21.40	21.41	21.9	DFT-S $\pi/2$ BPSK	10MHz	1	1	0	0
21.28	21.37	21.24	21.9	DFT-S $\pi/2$ BPSK	10MHz	1	11	0	0
21.22	21.24	21.21	21.9	DFT-S $\pi/2$ BPSK	10MHz	1	22	0	0
20.71	20.77	20.81	21.4	DFT-S $\pi/2$ BPSK	10MHz	12	0	0-0.5	0.5
21.20	21.28	21.31	21.9	DFT-S $\pi/2$ BPSK	10MHz	12	6	0	0
20.67	20.80	20.72	21.4	DFT-S $\pi/2$ BPSK	10MHz	12	12	0-0.5	0.5
20.70	20.77	20.76	21.4	DFT-S $\pi/2$ BPSK	10MHz	24	0	0-1	0.5
21.41	21.44	21.39	21.9	DFT-S QPSK	10MHz	1	1	0	0
21.33	21.40	21.31	21.9	DFT-S QPSK	10MHz	1	11	0	0
21.32	21.35	21.35	21.9	DFT-S QPSK	10MHz	1	22	0	0
20.35	20.51	20.39	20.9	DFT-S QPSK	10MHz	12	0	0-1	1
21.26	21.46	21.38	21.9	DFT-S QPSK	10MHz	12	6	0	0
20.35	20.43	20.38	20.9	DFT-S QPSK	10MHz	12	12	0-1	1
20.20	20.39	20.31	20.9	DFT-S QPSK	10MHz	24	0	0-1	1
20.23	20.36	20.36	20.9	DFT-S 16QAM	10MHz	128	0	0-1	1
18.84	18.92	18.83	19.4	DFT-S 64QAM	10MHz	1	1	0-2.5	2.5
16.92	16.91	16.92	17.4	DFT-S 256QAM	10MHz	1	1	0-4.5	4.5
19.81	19.92	19.92	20.4	CP QPSK	10MHz	1	1	0-1.5	1.5