

LTE Band 25 (PCS) Conducted Power– 3 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			26055 (1 851.5 MHz)	26365 (1 882.5 MHz)	26675 (1 913.5 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	22.21	22.20	22.21	≤ 1	0	
	1	7	22.10	22.17	22.19			
	1	14	22.12	22.03	22.13			
	8	0	21.35	21.40	21.39		1	
	8	4	21.31	21.33	21.35			
	8	7	21.28	21.37	21.14			
	15	0	21.19	21.15	21.23			
16QAM	1	0	21.36	21.34	21.33	≤ 1	1	
	1	7	21.14	21.09	21.18			
	1	14	21.24	21.22	21.23			
	8	0	20.44	20.28	20.32		≤ 2	2
	8	4	20.31	20.21	20.25			
	8	7	20.26	20.24	20.02			
	15	0	21.19	20.10	20.25			
64QAM	1	0	20.37	20.17	20.12	≤ 2	2	
	1	7	20.20	20.10	20.09			
	1	14	20.26	20.11	20.07			
	8	0	19.32	19.44	19.37		≤ 3	3
	8	4	19.18	19.20	19.19			
	8	7	19.22	19.42	19.18			
	15	0	19.17	19.09	19.33			
256QAM	1	0	17.33	17.37	17.27	≤ 5	5	
	1	7	17.26	17.26	17.24			
	1	14	17.09	17.16	17.23			
	8	0	17.49	17.52	17.46		≤ 5	5
	8	4	17.42	17.48	17.32			
	8	7	17.45	17.46	17.28			
	15	0	17.27	17.28	17.26			

Table 8.1.10.6 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 1.4 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			26047 (1 850.7 MHz)	26365 (1 882.5 MHz)	26683 (1 914.3 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	22.19	22.26	22.19	≤ 1	0	
	1	2	22.11	22.25	22.19			
	1	5	22.10	22.21	22.12			
	3	0	22.23	22.18	22.19			
	3	2	22.14	22.17	22.07		0	
	3	3	22.15	22.15	22.11			
	6	0	21.16	21.10	21.21			
	6	0	21.17	21.29	21.32			
16QAM	1	2	21.15	21.22	21.07	≤ 1	1	
	1	5	21.12	21.02	21.25			
	3	0	21.12	21.18	21.22			
	3	2	21.10	21.17	21.04			
	3	3	21.06	21.06	21.06		1	
	3	3	21.16	20.26	20.21			
	6	0	20.28	20.28	20.38			
	6	0	20.17	20.25	20.16			
64QAM	1	5	20.24	20.11	20.22	≤ 2	2	
	3	0	20.25	20.24	20.26			
	3	2	20.10	20.07	20.20			
	3	3	20.08	20.15	20.22			
	6	0	19.28	19.14	19.38		≤ 3	3
	1	0	17.18	17.34	17.36			
	1	2	17.12	17.33	17.15			
	1	5	17.03	17.17	17.28			
256QAM	3	0	17.25	17.30	17.33	≤ 5	5	
	3	2	17.21	17.26	17.16			
	3	3	17.05	17.13	17.24			
	6	0	17.28	17.25	17.34			
	6	0						
	6	0						
	6	0						
	6	0						

Table 8.1.10.7 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 25(PCS) (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.1.10-1.1 Nominal and Maximum Output Power Spec

10-1) LTE Band 25 (PCS) (ENDC)

LTE Band 25 (PCS) Conducted Power- 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26140 (1 860.0 MHz)	26365 (1 882.5 MHz)	26590 (1 905.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.04	21.17	21.14	≤ 1	0
	1	50	21.03	21.11	21.07		
	1	99	20.94	21.02	20.95		
	50	0	20.17	20.31	20.11		1
	50	25	20.14	20.15	20.05		
	50	50	20.10	20.28	20.08		
	100	0	19.95	20.08	20.01		1
16QAM	1	0	19.97	20.00	20.07	≤ 1	1
	1	50	19.95	19.97	19.95		
	1	99	19.88	19.94	20.03		
	50	0	19.22	19.26	19.09	≤ 2	2
	50	25	19.15	19.06	18.95		
	50	50	19.01	19.13	19.02		
	100	0	19.95	19.18	18.89		2
64QAM	1	0	19.08	18.98	19.01	≤ 2	2
	1	50	18.96	18.95	19.00		
	1	99	18.93	18.94	18.88		
	50	0	18.17	18.21	18.11	≤ 3	3
	50	25	17.97	18.12	18.00		
	50	50	18.05	18.11	18.05		
	100	0	17.90	18.04	18.02		3
256QAM	1	0	15.97	16.17	16.21	≤ 5	5
	1	50	15.91	16.11	16.06		
	1	99	15.95	15.96	16.13		
	50	0	16.23	16.42	16.30	≤ 5	5
	50	25	16.09	16.29	16.15		
	50	50	16.08	16.31	16.13		
	100	0	16.09	16.12	16.06		

Table 8.1.10-1.2 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power- 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26115 (1 857.5 MHz)	26365 (1 882.5 MHz)	26615 (1 907.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.05	21.10	21.09	≤ 1	0
	1	36	20.92	20.94	21.04		1
	1	74	20.88	21.04	21.03		
	36	0	20.22	20.27	20.19		
	36	18	20.05	20.25	20.16		
	36	37	20.12	20.13	20.03		
	75	0	19.94	20.06	20.04		1
16QAM	1	0	19.97	20.06	20.09	≤ 1	1
	1	36	19.81	19.90	19.97		
	1	74	19.96	19.95	20.07		
	36	0	19.24	19.19	19.15	≤ 2	2
	36	18	19.19	19.15	18.99		
	36	37	19.12	19.10	19.01		
	75	0	19.94	19.07	18.90		2
64QAM	1	0	19.09	18.92	19.10	≤ 2	2
	1	36	18.95	18.87	18.93		
	1	74	18.97	18.89	18.97		
	36	0	18.11	18.21	18.17	≤ 3	3
	36	18	18.03	18.11	18.03		
	36	37	18.05	18.03	18.08		
	75	0	17.89	17.90	17.98		3
256QAM	1	0	16.03	16.22	16.17	≤ 5	5
	1	36	15.99	16.11	16.12		
	1	74	15.99	15.93	16.08		
	36	0	16.36	16.40	16.20	≤ 5	5
	36	18	16.00	16.34	16.17		
	36	37	16.13	16.30	16.14		
	75	0	16.11	15.97	16.16		5

Table 8.1.10-1.3 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26090 (1 855.0 MHz)	26365 (1 882.5 MHz)	26640 (1 910.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.05	21.01	21.10	≤ 1	0
	1	25	20.98	20.96	21.06		
	1	49	20.91	21.00	20.89		
	25	0	20.27	20.27	20.30		1
	25	12	20.25	20.26	20.07		
	25	25	20.27	20.24	19.98		
	50	0	20.07	20.03	19.87		1
16QAM	1	0	20.07	20.04	20.12	≤ 1	1
	1	25	20.06	19.95	19.97		
	1	49	20.03	19.91	20.05		
	25	0	19.21	19.28	19.18	≤ 2	2
	25	12	19.16	19.11	19.10		
	25	25	19.12	19.15	18.98		
	50	0	20.07	19.21	19.05		2
64QAM	1	0	19.10	19.06	19.01	≤ 2	2
	1	25	18.93	18.93	18.90		
	1	49	18.98	19.00	18.92		
	25	0	18.25	18.25	18.18	≤ 3.	3
	25	12	18.25	18.14	18.07		
	25	25	18.21	18.06	18.03		
	50	0	18.09	18.04	17.89		3
256QAM	1	0	16.19	16.20	16.11	≤ 5	5
	1	25	16.14	16.15	16.06		
	1	49	15.86	16.00	16.01		
	25	0	16.26	16.38	16.37	≤ 5	5
	25	12	16.18	16.25	16.16		
	25	25	16.24	16.22	16.12		
	50	0	16.14	15.98	16.02		5

Table 8.1.10-1.4 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26065 (1 852.5 MHz)	26365 (1 882.5 MHz)	26665 (1 912.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.01	21.10	21.16	≤ 1	0
	1	12	21.00	21.05	21.12		
	1	24	20.85	21.09	20.87		
	12	0	20.21	20.28	20.25		1
	12	6	20.13	20.09	20.14		
	12	13	20.19	20.19	20.10		
	25	0	19.99	20.02	20.06		1
16QAM	1	0	20.00	20.15	20.07	≤ 1	1
	1	12	19.83	20.09	20.03		
	1	24	19.83	19.96	19.97		
	12	0	19.29	19.25	19.23	≤ 2	2
	12	6	19.26	19.12	19.09		
	12	13	19.02	19.03	19.01		
	25	0	19.99	19.04	18.88		2
64QAM	1	0	19.13	19.08	19.08	≤ 2	2
	1	12	19.00	18.94	19.05		
	1	24	18.86	18.90	18.99		
	12	0	18.29	18.31	18.18	≤ 3	3
	12	6	18.13	18.25	18.15		
	12	13	18.23	18.12	17.91		
	25	0	17.93	18.14	18.10		3
256QAM	1	0	16.02	16.19	16.17	≤ 5	5
	1	12	15.95	16.17	16.17		
	1	24	15.89	15.91	16.00		
	12	0	16.28	16.30	16.37	≤ 5	5
	12	6	16.26	16.21	16.27		
	12	13	16.12	16.14	16.17		
	25	0	16.01	16.13	16.18		

Table 8.1.10-1.5 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power~ 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26055 (1 851.5 MHz)	26365 (1 882.5 MHz)	26675 (1 913.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.12	21.14	21.10	≤ 1	0
	1	7	20.90	21.11	21.09		
	1	14	20.86	20.98	20.98		
	8	0	20.28	20.29	20.25		1
	8	4	20.18	20.01	20.22		
	8	7	20.17	20.24	20.24		
	15	0	19.97	19.97	19.96		
16QAM	1	0	20.06	20.05	20.14	≤ 1	1
	1	7	19.94	19.93	19.97		
	1	14	19.97	19.99	20.05		
	8	0	19.44	19.16	19.19	≤ 2	2
	8	4	19.14	18.99	19.10		
	8	7	19.18	19.12	19.07		
	15	0	19.97	18.99	19.09		
64QAM	1	0	19.17	19.01	19.05	≤ 2	2
	1	7	18.95	18.94	18.97		
	1	14	19.00	18.89	18.97		
	8	0	18.20	18.16	18.12	≤ 3	3
	8	4	18.03	18.07	18.04		
	8	7	18.10	18.05	18.06		
	15	0	18.12	17.99	18.10		
256QAM	1	0	16.16	16.15	16.12	≤ 5	5
	1	7	16.05	16.14	16.05		
	1	14	16.01	15.95	16.07		
	8	0	16.35	16.42	16.38	≤ 5	5
	8	4	16.29	16.15	16.22		
	8	7	16.30	16.31	16.10		
	15	0	16.12	16.01	16.14		

Table 8.1.10-1.6 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 1.4 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			26047 (1 850.7 MHz)	26365 (1 882.5 MHz)	26683 (1 914.3 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	21.06	21.05	21.04	≤ 1	0	
	1	2	21.02	21.01	20.98			
	1	5	21.02	21.01	21.01			
	3	0	20.97	21.02	21.03		0	
	3	2	20.93	20.93	20.94			
	3	3	20.88	20.85	20.98			
	6	0	20.08	20.02	20.04			
16QAM	1	0	19.96	20.01	20.18	≤ 1	1	
	1	2	19.91	19.98	19.88			
	1	5	19.95	19.98	20.11			
	3	0	19.97	19.97	20.03		1	
	3	2	19.89	19.86	19.89			
	3	3	19.87	19.80	20.00			
	6	0	20.08	19.04	19.12			
64QAM	1	0	19.22	18.98	19.06	≤ 2	2	
	1	2	19.07	18.96	18.87			
	1	5	19.07	18.87	18.98			
	3	0	18.95	18.97	19.02		2	
	3	2	18.93	18.96	18.93			
	3	3	18.92	18.88	18.99			
	6	0	18.04	17.95	18.08			
256QAM	1	0	16.18	16.15	16.22	≤ 5	5	
	1	2	16.02	16.13	16.11			
	1	5	15.95	15.92	16.17			
	3	0	16.03	16.09	16.08		≤ 5	5
	3	2	15.89	15.97	15.90			
	3	3	15.89	15.97	16.02			
	6	0	16.05	16.04	16.12			

Table 8.1.10-1.7 LTE Conducted Power

Band & Mode		Modulated Average(dBm)
LTE Band 2(PCS)	Maximum	24.0
	Nominal	23.0

Table 8.1.11.1 Nominal and Maximum Output Power Spec

11) LTE Band 2 (PCS)

LTE Band 2 (PCS) Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18700 (1 860.0 MHz)	18900 (1 880.0 MHz)	19100 (1 900.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.73	22.75	22.73	≤ 1	0
	1	50	22.53	22.59	22.56		
	1	99	22.40	22.41	22.47		
	50	0	21.47	21.71	21.49		1
	50	25	21.44	21.58	21.45		
	50	50	21.34	21.50	21.33		
	100	0	21.36	21.69	21.40		
16QAM	1	0	21.64	21.67	21.60	≤ 1	1
	1	50	21.40	21.47	21.48		
	1	99	21.49	21.41	21.54		
	50	0	20.60	20.61	20.64	≤ 2	2
	50	25	20.38	20.49	20.49		
	50	50	20.47	20.35	20.49		
	100	0	21.36	20.66	20.47		
64QAM	1	0	20.63	20.68	20.57	≤ 2	2
	1	50	20.52	20.67	20.48		
	1	99	20.36	20.55	20.50		
	50	0	19.35	19.57	19.58	≤ 3	3
	50	25	19.26	19.39	19.41		
	50	50	19.30	19.41	19.48		
	100	0	19.37	19.52	19.52		
256QAM	1	0	17.65	17.76	17.67	≤ 5	5
	1	50	17.38	17.59	17.60		
	1	99	17.38	17.52	17.65		
	50	0	17.56	17.63	17.51	≤ 5	5
	50	25	17.47	17.41	17.43		
	50	50	17.41	17.39	17.31		
	100	0	17.33	17.72	17.52		

Table 8.1.11.2 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18675 (1 857.5 MHz)	18900 (1 880.0 MHz)	19125 (1 902.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.48	22.61	22.48	≤ 1	0
	1	36	22.45	22.55	22.44		
	1	74	22.40	22.52	22.48		
	36	0	21.40	21.46	21.49		
	36	18	21.37	21.44	21.43		1
	36	37	21.36	21.43	21.43		
	75	0	21.52	21.61	21.51		1
16QAM	1	0	21.42	21.61	21.58	≤ 1	1
	1	36	21.32	21.50	21.46		
	1	74	21.40	21.51	21.49		
	36	0	20.50	20.48	20.63	≤ 2	2
	36	18	20.20	20.31	20.41		
	36	37	20.43	20.41	20.57		
	75	0	21.52	20.62	20.44		
64QAM	1	0	20.51	20.67	20.50	≤ 2	2
	1	36	20.47	20.55	20.49		
	1	74	20.49	20.56	20.47		
	36	0	19.41	19.56	19.50	≤ 3	3
	36	18	19.21	19.39	19.43		
	36	37	19.33	19.42	19.45		
	75	0	19.48	19.50	19.53		
256QAM	1	0	17.51	17.71	17.60	≤ 5	5
	1	36	17.35	17.54	17.54		
	1	74	17.38	17.49	17.48		
	36	0	17.35	17.47	17.55	≤ 5	5
	36	18	17.28	17.38	17.49		
	36	37	17.28	17.38	17.35		
	75	0	17.39	17.65	17.62		

Table 8.1.11.3 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18650 (1 855.0 MHz)	18900 (1 880.0 MHz)	19150 (1 905.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.50	22.65	22.59	≤ 1	0
	1	25	22.47	22.59	22.49		
	1	49	22.47	22.45	22.47		
	25	0	21.48	21.48	21.57		1
	25	12	21.42	21.47	21.57		
	25	25	21.45	21.44	21.55		
	50	0	21.54	21.56	21.53		
16QAM	1	0	21.57	21.67	21.40	≤ 1	1
	1	25	21.43	21.63	21.38		
	1	49	21.52	21.62	21.34		
	25	0	20.53	20.60	20.59	≤ 2	2
	25	12	20.35	20.50	20.46		
	25	25	20.46	20.59	20.58		
	50	0	21.54	20.64	20.63		
64QAM	1	0	20.61	20.65	20.60	≤ 2	2
	1	25	20.57	20.61	20.49		
	1	49	20.60	20.54	20.50		
	25	0	19.60	19.59	19.55	≤ 3	3
	25	12	19.42	19.52	19.45		
	25	25	19.33	19.51	19.51		
	50	0	19.58	19.45	19.52		
256QAM	1	0	17.56	17.77	17.62	≤ 5	5
	1	25	17.49	17.54	17.54		
	1	49	17.48	17.52	17.56		
	25	0	17.53	17.44	17.39	≤ 5	5
	25	12	17.47	17.28	17.38		
	25	25	17.48	17.34	17.37		
	50	0	17.67	17.58	17.59		

Table 8.1.11.4 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18625 (1 852.5 MHz)	18900 (1 880.0 MHz)	19175 (1 907.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.56	22.60	22.54	≤ 1	0
	1	12	22.42	22.59	22.44		1
	1	24	22.43	22.48	22.49		
	12	0	21.60	21.59	21.53		
	12	6	21.48	21.35	21.39		
	12	13	21.57	21.57	21.48		
	25	0	21.59	21.50	21.56		1
16QAM	1	0	21.54	21.59	21.50	≤ 1	1
	1	12	21.43	21.58	21.49		
	1	24	21.51	21.58	21.45		
	12	0	20.52	20.52	20.54		
	12	6	20.42	20.39	20.44	≤ 2	2
	12	13	20.51	20.48	20.38		
	25	0	21.59	20.56	20.59		
64QAM	1	0	20.74	20.57	20.56	≤ 2	2
	1	12	20.47	20.57	20.53		
	1	24	20.46	20.55	20.53		
	12	0	19.53	19.49	19.54		
	12	6	19.39	19.28	19.44	≤ 3	3
	12	13	19.52	19.47	19.37		
	25	0	19.49	19.54	19.55		
256QAM	1	0	17.60	17.58	17.56	≤ 5	5
	1	12	17.52	17.45	17.55		
	1	24	17.52	17.57	17.50		
	12	0	17.52	17.58	17.60		
	12	6	17.46	17.43	17.55	≤ 5	5
	12	13	17.47	17.45	17.47		
	25	0	17.59	17.53	17.72		

Table 8.1.11.5 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 3 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			18615 (1 851.5 MHz)	18900 (1 880.0 MHz)	19185 (1 908.5 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	22.59	22.57	22.57	≤ 1	0	
	1	7	22.56	22.48	22.45			
	1	14	22.47	22.51	22.54			
	8	0	21.66	21.62	21.56		1	
	8	4	21.47	21.43	21.47			
	8	7	21.58	21.54	21.53			
	15	0	21.51	21.58	21.51			
16QAM	1	0	21.64	21.63	21.45	≤ 1	1	
	1	7	21.60	21.43	21.34			
	1	14	21.61	21.57	21.42			
	8	0	20.52	20.46	20.63		≤ 2	2
	8	4	20.34	20.31	20.46			
	8	7	20.42	20.45	20.46			
	15	0	21.51	20.52	20.62			
64QAM	1	0	20.64	20.62	20.59	≤ 2	2	
	1	7	20.50	20.51	20.56			
	1	14	20.43	20.57	20.51			
	8	0	19.47	19.55	19.50		≤ 3	3
	8	4	19.35	19.40	19.44			
	8	7	19.45	19.38	19.38			
	15	0	19.44	19.53	19.53			
256QAM	1	0	17.51	17.68	17.48	≤ 5	5	
	1	7	17.43	17.56	17.42			
	1	14	17.47	17.48	17.46			
	8	0	17.47	17.52	17.49		≤ 5	5
	8	4	17.37	17.40	17.47			
	8	7	17.41	17.40	17.39			
	15	0	17.57	17.60	17.55			

Table 8.1.11.6 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18607 (1 850.7 MHz)	18900 (1 880.0 MHz)	19193 (1 909.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.48	22.58	22.49	≤ 1	0
	1	2	22.37	22.52	22.46		
	1	5	22.46	22.55	22.45		
	3	0	22.46	22.42	22.33		0
	3	2	22.36	22.36	22.23		
	3	3	22.44	22.41	22.26		
	6	0	21.37	21.57	21.40	1	
16QAM	1	0	21.56	21.57	21.47	≤ 1	1
	1	2	21.45	21.42	21.36		
	1	5	21.27	21.40	21.36		
	3	0	21.30	21.30	21.44		1
	3	2	21.28	21.28	21.24		
	3	3	21.29	21.27	21.28		
	6	0	21.37	20.48	20.36	≤ 2	2
64QAM	1	0	20.52	20.61	20.47	≤ 2	2
	1	2	20.42	20.46	20.38		
	1	5	20.35	20.41	20.47		
	3	0	20.49	20.51	20.28		2
	3	2	20.40	20.45	20.22		
	3	3	20.37	20.39	20.27		
	6	0	19.48	19.43	19.38	≤ 3	3
256QAM	1	0	17.44	17.55	17.53	≤ 5	5
	1	2	17.24	17.45	17.36		
	1	5	17.38	17.44	17.49		
	3	0	17.45	17.56	17.41	≤ 5	5
	3	2	17.39	17.33	17.23		
	3	3	17.34	17.49	17.37		
	6	0	17.34	17.52	17.53		

Table 8.1.11.7 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																	
		PCC						SCC						MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Off set	BW	Freq.	Ch.		LTE Rel.8	Aggregated BW	MPR	Tune-up Limit	CA Power (Total PCC+SCC)
CA 2C	Head	QPSK	1	99	20	1 860.0	18700	QPSK	1	0	20	1 879.8	18898	0	22.69	20	0	24.0	23.21
CA 2C	Head	16QAM	1	99	20	1 860.0	18700	16QAM	1	0	20	1 879.8	18898	0	21.64	20	0	23.0	22.07
CA 2C	Head	64QAM	1	99	20	1 860.0	18700	64QAM	1	0	20	1 879.8	18898	0	20.63	20	0	22.0	21.27
CA 2C	Head	256QAM	1	99	20	1 860.0	18700	256QAM	1	0	20	1 879.8	18898	0	17.65	20	0	19.0	18.15
CA 2C	Head	QPSK	1	99	20	1 880.0	18900	QPSK	1	0	20	1 899.8	19098	0	22.75	20	0	24.0	23.18
CA 2C	Head	16QAM	1	99	20	1 880.0	18900	16QAM	1	0	20	1 899.8	19098	0	21.67	20	0	23.0	22.19
CA 2C	Head	64QAM	1	99	20	1 880.0	18900	64QAM	1	0	20	1 899.8	19098	0	20.68	20	0	22.0	21.33
CA 2C	Head	256QAM	1	99	20	1 880.0	18900	256QAM	1	0	20	1 899.8	19098	0	17.76	20	0	19.0	18.18
CA 2C	Head	QPSK	1	99	20	1 900.0	19100	QPSK	1	0	20	1 880.2	18902	0	22.73	20	0	24.0	23.16
CA 2C	Head	16QAM	1	99	20	1 900.0	19100	16QAM	1	0	20	1 880.2	18902	0	21.6	20	0	23.0	22.13
CA 2C	Head	64QAM	1	99	20	1 900.0	19100	64QAM	1	0	20	1 880.2	18902	0	20.57	20	0	22.0	21.29
CA 2C	Head	256QAM	1	99	20	1 900.0	19100	256QAM	1	0	20	1 880.2	18902	0	17.67	20	0	19.0	18.22
CA 2C	Head	QPSK	1	99	20	1 880.0	18900	QPSK	1	0	15	1 897.1	19071	0	22.75	20	0	24.0	23.17
CA 2C	Head	16QAM	1	99	20	1 880.0	18900	16QAM	1	0	15	1 897.1	19071	0	21.67	20	0	23.0	22.17
CA 2C	Head	64QAM	1	99	20	1 880.0	18900	64QAM	1	0	15	1 897.1	19071	0	20.68	20	0	22.0	21.30
CA 2C	Head	256QAM	1	99	20	1 880.0	18900	256QAM	1	0	15	1 897.1	19071	0	17.76	20	0	19.0	17.98
CA 2C	Head	QPSK	1	99	20	1 880.0	18900	QPSK	1	0	10	1 894.4	19044	0	22.75	20	0	24.0	23.17
CA 2C	Head	16QAM	1	99	20	1 880.0	18900	16QAM	1	0	10	1 894.4	19044	0	21.67	20	0	23.0	22.06
CA 2C	Head	64QAM	1	99	20	1 880.0	18900	64QAM	1	0	10	1 894.4	19044	0	20.68	20	0	22.0	21.15
CA 2C	Head	256QAM	1	99	20	1 880.0	18900	256QAM	1	0	10	1 894.4	19044	0	17.76	20	0	19.0	18.14
CA 2C	Head	QPSK	1	99	20	1 880.0	18900	QPSK	1	0	5	1 891.7	19017	0	22.75	20	0	24.0	23.18
CA 2C	Head	16QAM	1	99	20	1 880.0	18900	16QAM	1	0	5	1 891.7	19017	0	21.67	20	0	23.0	22.13
CA 2C	Head	64QAM	1	99	20	1 880.0	18900	64QAM	1	0	5	1 891.7	19017	0	20.68	20	0	22.0	21.26
CA 2C	Head	256QAM	1	99	20	1 880.0	18900	256QAM	1	0	5	1 891.7	19017	0	17.76	20	0	19.0	18.17
CA 2C	Head	QPSK	1	74	15	1 880.0	18900	QPSK	1	0	15	1 895.0	19050	0	22.75	20	0	24.0	23.16
CA 2C	Head	16QAM	1	74	15	1 880.0	18900	16QAM	1	0	15	1 895.0	19050	0	21.67	20	0	23.0	21.98
CA 2C	Head	64QAM	1	74	15	1 880.0	18900	64QAM	1	0	15	1 895.0	19050	0	20.68	20	0	22.0	21.28
CA 2C	Head	256QAM	1	74	15	1 880.0	18900	256QAM	1	0	15	1 895.0	19050	0	17.76	20	0	19.0	18.19
CA 2C	Head	QPSK	1	74	15	1 880.0	18900	QPSK	1	0	10	1 892.0	19020	0	22.75	20	0	24.0	23.21
CA 2C	Head	16QAM	1	74	15	1 880.0	18900	16QAM	1	0	10	1 892.0	19020	0	21.67	20	0	23.0	22.03
CA 2C	Head	64QAM	1	74	15	1 880.0	18900	64QAM	1	0	10	1 892.0	19020	0	20.68	20	0	22.0	21.17
CA 2C	Head	256QAM	1	74	15	1 880.0	18900	256QAM	1	0	10	1 892.0	19020	0	17.76	20	0	19.0	18.14
CA 2C	Head	QPSK	1	74	15	1 880.0	18900	QPSK	1	0	20	1 897.1	19071	0	22.75	20	0	24.0	23.16
CA 2C	Head	16QAM	1	74	15	1 880.0	18900	16QAM	1	0	20	1 897.1	19071	0	21.67	20	0	23.0	22.07
CA 2C	Head	64QAM	1	74	15	1 880.0	18900	64QAM	1	0	20	1 897.1	19071	0	20.68	20	0	22.0	21.17
CA 2C	Head	256QAM	1	74	15	1 880.0	18900	256QAM	1	0	20	1 897.1	19071	0	17.76	20	0	19.0	18.18
CA 2C	Head	QPSK	1	49	10	1 880.0	18900	QPSK	1	0	20	1 894.4	19044	0	22.75	20	0	24.0	23.09
CA 2C	Head	16QAM	1	49	10	1 880.0	18900	16QAM	1	0	20	1 894.4	19044	0	21.67	20	0	23.0	22.22
CA 2C	Head	64QAM	1	49	10	1 880.0	18900	64QAM	1	0	20	1 894.4	19044	0	20.68	20	0	22.0	21.14
CA 2C	Head	256QAM	1	49	10	1 880.0	18900	256QAM	1	0	20	1 894.4	19044	0	17.76	20	0	19.0	18.06
CA 2C	Head	QPSK	1	24	5	1 880.0	18900	QPSK	1	0	20	1 891.7	19017	0	22.75	20	0	24.0	23.07
CA 2C	Head	16QAM	1	24	5	1 880.0	18900	16QAM	1	0	20	1 891.7	19017	0	21.67	20	0	23.0	22.18
CA 2C	Head	64QAM	1	24	5	1 880.0	18900	64QAM	1	0	20	1 891.7	19017	0	20.68	20	0	22.0	21.31
CA 2C	Head	256QAM	1	24	5	1 880.0	18900	256QAM	1	0	20	1 891.7	19017	0	17.76	20	0	19.0	18.00
CA 2C	Head	QPSK	1	49	10	1 880.0	18900	QPSK	1	0	15	1 892.0	19020	0	22.75	20	0	24.0	23.16
CA 2C	Head	16QAM	1	49	10	1 880.0	18900	16QAM	1	0	15	1 892.0	19020	0	21.67	20	0	23.0	22.04
CA 2C	Head	64QAM	1	49	10	1 880.0	18900	64QAM	1	0	15	1 892.0	19020	0	20.68	20	0	22.0	21.13
CA 2C	Head	256QAM	1	49	10	1 880.0	18900	256QAM	1	0	15	1 892.0	19020	0	17.76	20	0	19.0	18.24

Table 8.1.11.8 LTE Conducted Power

Band & Mode	Modulated Average(dBm)	
	Maximum	Nominal
LTE Band 2(PCS) (ENDC)	22.0	21.0

Table 8.1.11-1.1 Nominal and Maximum Output Power Spec

11-1) LTE Band 2 (PCS) (ENDC)

LTE Band 2 (PCS) Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18700 (1 860.0 MHz)	18900 (1 880.0 MHz)	19100 (1 900.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.53	21.63	21.45	≤ 1	0
	1	50	21.47	21.61	21.40		
	1	99	21.47	21.48	21.42		
	50	0	20.44	20.57	20.38		1
	50	25	20.34	20.37	20.34		
	50	50	20.21	20.36	20.30		
	100	0	20.42	20.61	20.34		
16QAM	1	0	20.56	20.49	20.56	≤ 1	1
	1	50	20.35	20.48	20.37		
	1	99	20.39	20.38	20.32		
	50	0	19.42	19.42	19.51	≤ 2	2
	50	25	19.36	19.38	19.43		
	50	50	19.39	19.24	19.37		
	100	0	20.42	19.54	19.37		
64QAM	1	0	19.54	19.53	19.42	≤ 2	2
	1	50	19.43	19.49	19.38		
	1	99	19.30	19.47	19.34		
	50	0	18.37	18.42	18.32	≤ 3	3
	50	25	18.25	18.36	18.22		
	50	50	18.27	18.34	18.30		
	100	0	18.33	18.44	18.40		
256QAM	1	0	16.44	16.48	16.51	≤ 5	5
	1	50	16.37	16.43	16.50		
	1	99	16.43	16.39	16.33		
	50	0	16.50	16.42	16.38	≤ 5	5
	50	25	16.48	16.31	16.31		
	50	50	16.40	16.32	16.31		
	100	0	16.27	16.58	16.51		

Table 8.1.11-1.2 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18675 (1 857.5 MHz)	18900 (1 880.0 MHz)	19125 (1 902.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.39	21.47	21.45	≤ 1	0
	1	36	21.32	21.41	21.40		
	1	74	21.34	21.44	21.32		
	36	0	20.30	20.31	20.42		1
	36	18	20.28	20.29	20.37		
	36	37	20.27	20.27	20.28		
	75	0	20.61	20.51	20.56		
16QAM	1	0	20.46	20.44	20.45	≤ 1	1
	1	36	20.33	20.37	20.35		
	1	74	20.35	20.37	20.35		
	36	0	19.39	19.30	19.48	≤ 2	2
	36	18	19.29	19.22	19.29		
	36	37	19.39	19.28	19.30		
	75	0	20.61	19.56	19.41		
64QAM	1	0	19.50	19.60	19.40	≤ 2	2
	1	36	19.46	19.46	19.39		
	1	74	19.43	19.40	19.39		
	36	0	18.32	18.30	18.34	≤ 3	3
	36	18	18.18	18.24	18.25		
	36	37	18.25	18.29	18.25		
	75	0	18.42	18.33	18.40		
256QAM	1	0	16.46	16.53	16.51	≤ 5	5
	1	36	16.31	16.50	16.35		
	1	74	16.36	16.34	16.37		
	36	0	16.23	16.44	16.33	≤ 5	5
	36	18	16.21	16.35	16.30		
	36	37	16.22	16.24	16.33		
	75	0	16.44	16.54	16.52		

Table 8.1.11-1.3 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18650 (1 855.0 MHz)	18900 (1 880.0 MHz)	19150 (1 905.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.48	21.46	21.30	≤ 1	0
	1	25	21.41	21.43	21.26		
	1	49	21.39	21.35	21.25		
	25	0	20.39	20.40	20.47		1
	25	12	20.29	20.36	20.39		
	25	25	20.32	20.37	20.39		
	50	0	20.33	20.34	20.46	1	
16QAM	1	0	20.40	20.47	20.41	≤ 1	1
	1	25	20.38	20.32	20.40		
	1	49	20.31	20.40	20.36		
	25	0	19.46	19.43	19.45	≤ 2	2
	25	12	19.44	19.41	19.35		
	25	25	19.33	19.38	19.26		
	50	0	20.33	19.48	19.51		
64QAM	1	0	19.53	19.45	19.42	≤ 2	2
	1	25	19.47	19.39	19.39		
	1	49	19.33	19.34	19.36		
	25	0	18.34	18.45	18.41	≤ 3	3
	25	12	18.23	18.41	18.30		
	25	25	18.30	18.35	18.38		
	50	0	18.21	18.32	18.34		
256QAM	1	0	16.46	16.52	16.47	≤ 5	5
	1	25	16.40	16.34	16.42		
	1	49	16.31	16.46	16.41		
	25	0	16.44	16.30	16.36	≤ 5	5
	25	12	16.32	16.28	16.29		
	25	25	16.41	16.28	16.31		
	50	0	16.42	16.42	16.50		

Table 8.1.11-1.4 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18625 (1 852.5 MHz)	18900 (1 880.0 MHz)	19175 (1 907.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.51	21.50	21.33	≤ 1	0
	1	12	21.30	21.43	21.31		
	1	24	21.41	21.44	21.30		
	12	0	20.35	20.45	20.49		1
	12	6	20.29	20.43	20.37		
	12	13	20.27	20.42	20.42		
	25	0	20.45	20.41	20.46		
16QAM	1	0	20.50	20.48	20.50	≤ 1	1
	1	12	20.36	20.41	20.34		
	1	24	20.40	20.39	20.39		
	12	0	19.44	19.47	19.42		
	12	6	19.36	19.34	19.31	≤ 2	2
	12	13	19.31	19.32	19.37		
	25	0	20.45	19.40	19.44		
64QAM	1	0	19.49	19.46	19.43	≤ 2	2
	1	12	19.29	19.43	19.35		
	1	24	19.43	19.41	19.28		
	12	0	18.38	18.37	18.39		
	12	6	18.27	18.24	18.33	≤ 3	3
	12	13	18.29	18.24	18.30		
	25	0	18.42	18.38	18.35		
256QAM	1	0	16.46	16.57	16.41	≤ 5	5
	1	12	16.28	16.33	16.39		
	1	24	16.44	16.35	16.37		
	12	0	16.42	16.38	16.40		
	12	6	16.31	16.35	16.34	≤ 5	5
	12	13	16.38	16.33	16.32		
	25	0	16.44	16.50	16.43		

Table 8.1.11-1.5 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18615 (1 851.5 MHz)	18900 (1 880.0 MHz)	19185 (1 908.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.53	21.58	21.49	≤ 1	0
	1	7	21.37	21.40	21.41		
	1	14	21.27	21.43	21.40		
	8	0	20.47	20.48	20.46		1
	8	4	20.36	20.38	20.33		
	8	7	20.29	20.44	20.31		
	15	0	20.43	20.48	20.58		
16QAM	1	0	20.49	20.46	20.47	≤ 1	1
	1	7	20.42	20.39	20.44		
	1	14	20.31	20.40	20.35		
	8	0	19.38	19.45	19.43	≤ 2	2
	8	4	19.28	19.33	19.34		
	8	7	19.33	19.26	19.38		
	15	0	20.43	19.35	19.47		
64QAM	1	0	19.49	19.56	19.43	≤ 2	2
	1	7	19.47	19.55	19.34		
	1	14	19.39	19.35	19.41		
	8	0	18.42	18.33	18.48	≤ 3	3
	8	4	18.20	18.26	18.40		
	8	7	18.29	18.29	18.39		
	15	0	18.38	18.43	18.46		
256QAM	1	0	16.39	16.52	16.39	≤ 5	5
	1	7	16.35	16.51	16.25		
	1	14	16.33	16.39	16.33		
	8	0	16.49	16.38	16.46	≤ 5	5
	8	4	16.23	16.29	16.40		
	8	7	16.32	16.36	16.27		
	15	0	16.48	16.37	16.44		

Table 8.1.11-1.6 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18607 (1 850.7 MHz)	18900 (1 880.0 MHz)	19193 (1 909.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.48	21.46	21.36	≤ 1	0
	1	2	21.40	21.44	21.25		
	1	5	21.32	21.42	21.29		
	3	0	21.35	21.42	21.38		0
	3	2	21.27	21.28	21.23		
	3	3	21.34	21.33	21.19		
	6	0	20.34	20.49	20.27		
16QAM	1	0	20.45	20.48	20.37	≤ 1	1
	1	2	20.28	20.44	20.28		
	1	5	20.29	20.26	20.33		
	3	0	20.28	20.31	20.33		1
	3	2	20.15	20.25	20.20		
	3	3	20.16	20.29	20.25		
	6	0	20.34	19.46	19.37		
64QAM	1	0	19.42	19.59	19.31	≤ 2	2
	1	2	19.39	19.44	19.27		
	1	5	19.30	19.33	19.29		
	3	0	19.49	19.47	19.36		2
	3	2	19.30	19.27	19.26		
	3	3	19.31	19.22	19.12		
	6	0	18.39	18.36	18.46		
256QAM	1	0	16.42	16.49	16.38	≤ 5	5
	1	2	16.35	16.49	16.26		
	1	5	16.34	16.31	16.33		
	3	0	16.36	16.47	16.29		5
	3	2	16.15	16.38	16.27		
	3	3	16.25	16.28	16.15		
	6	0	16.26	16.42	16.36		

Table 8.1.11-1.7 LTE Conducted Power

LTE Band 7	Band & Mode	Modulated Average[dBm]
	Maximum Nominal	24.0 23.0

Table 8.1.12.1 Nominal and Maximum Output Power Spec

12) LTE Band 7

LTE Band 7 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20850 (2 510.0 MHz)	21100 (2 535.0 MHz)	21350 (2 560.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.32	22.42	22.39	≤ 1	0
	1	50	22.29	22.23	22.15		
	1	99	22.27	22.30	22.29		
	50	0	21.35	21.43	21.30		1
	50	25	21.29	21.34	21.22		
	50	50	21.19	21.31	21.27		
	100	0	21.21	21.39	21.21		1
16QAM	1	0	21.29	21.33	21.23	≤ 1	1
	1	50	21.14	21.09	21.12		
	1	99	21.09	21.24	21.10		
	50	0	20.35	20.46	20.32	≤ 2	2
	50	25	20.14	20.28	20.27		
	50	50	20.10	20.26	20.20		
	100	0	21.21	20.25	20.14		
64QAM	1	0	20.24	20.45	20.22	≤ 2	2
	1	50	20.21	20.05	20.19		
	1	99	20.20	20.25	20.16		
	50	0	19.27	19.29	19.24	≤ 3	3
	50	25	19.16	19.18	19.22		
	50	50	19.04	19.22	19.21		
	100	0	19.10	19.23	19.20		
256QAM	1	0	17.36	17.26	17.23	≤ 5	5
	1	50	17.18	17.18	17.12		
	1	99	17.14	17.21	17.18		
	50	0	17.49	17.43	17.32	≤ 5	5
	50	25	17.23	17.40	17.18		
	50	50	17.22	17.37	17.24		
	100	0	17.15	17.26	17.11		

Table 8.1.12.2 LTE Conducted Power

LTE Band 7 Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20825 (2 507.5 MHz)	21100 (2 535.0 MHz)	21375 (2 562.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.31	22.26	22.14	≤ 1	0
	1	36	22.23	22.10	22.11		
	1	74	22.16	22.23	22.06		
	36	0	21.39	21.33	21.26		1
	36	18	21.33	21.30	21.15		
	36	37	21.10	21.27	21.14		
	75	0	21.29	21.18	21.25		1
16QAM	1	0	21.15	21.14	21.17	≤ 1	1
	1	36	21.13	21.12	21.03		
	1	74	21.09	21.12	21.09		
	36	0	20.24	20.23	20.33	≤ 2	2
	36	18	20.16	20.18	20.28		
	36	37	20.23	20.12	20.16		
	75	0	21.29	20.11	20.19		
64QAM	1	0	20.29	20.32	20.15	≤ 2	2
	1	36	20.16	20.11	20.11		
	1	74	20.07	20.06	20.10		
	36	0	19.22	19.17	19.17	≤ 3	3
	36	18	19.15	19.11	19.05		
	36	37	19.14	19.14	19.13		
	75	0	19.11	19.19	19.09		
256QAM	1	0	17.23	17.14	17.23	≤ 5	5
	1	36	17.11	17.06	17.13		
	1	74	17.16	17.13	17.13		
	36	0	17.28	17.30	17.19	≤ 5	5
	36	18	17.23	17.24	17.07		
	36	37	17.07	17.16	17.10		
	75	0	17.12	17.11	17.11		

Table 8.1.12.3 LTE Conducted Power

LTE Band 7 Conducted Power– 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			20800 (2 505.0 MHz)	21100 (2 535.0 MHz)	21400 (2 565.0 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	22.26	22.34	22.28	≤ 1	0	
	1	25	22.14	22.16	22.20			
	1	49	22.11	22.25	22.20			
	25	0	21.29	21.30	21.35		1	
	25	12	21.26	21.21	21.27			
	25	25	21.26	21.27	21.23			
16QAM	50	0	21.14	21.16	21.21	≤ 1	1	
	1	0	21.25	21.15	21.13		1	
	1	25	21.07	21.05	21.12			
	1	49	21.15	21.09	21.10			2
	25	0	20.29	20.21	20.41			
	25	12	20.10	20.10	20.14			
64QAM	25	25	20.18	20.11	20.15	≤ 2	2	
	50	0	21.14	20.17	20.26		2	
	1	0	20.28	20.18	20.22			
	1	25	20.15	20.09	20.15			3
	1	49	20.18	20.08	20.12			
	25	0	19.29	19.24	19.20			
256QAM	25	12	19.22	19.15	19.09	≤ 3	3	
	25	25	19.15	19.12	19.16			
	50	0	19.17	19.17	19.15			3
	1	0	17.33	17.15	17.19		≤ 5	5
	1	25	17.14	17.10	17.14			
	1	49	17.26	17.10	17.08			
256QAM	25	0	17.26	17.38	17.34	≤ 5	5	
	25	12	17.23	17.24	17.10			
	25	25	17.20	17.24	17.11			
	50	0	17.11	17.13	17.04		5	

Table 8.1.12.4 LTE Conducted Power

LTE Band 7 Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20775 (2 502.5 MHz)	21100 (2 535.0 MHz)	21425 (2 567.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.31	22.23	22.25	≤ 1	0
	1	12	22.14	22.20	22.21		0
	1	24	22.23	22.16	22.21		
	12	0	21.29	21.31	21.38		
	12	6	21.27	21.25	21.28		1
	12	13	21.29	21.10	21.31		
25	0	21.14	21.22	21.23	1		
16QAM	1	0	21.12	21.17	21.24	≤ 1	1
	1	12	21.10	21.09	21.12		
	1	24	21.08	21.17	21.17		
	12	0	20.18	20.22	20.38		1
	12	6	20.16	20.14	20.31		
	12	13	20.14	20.03	20.14		
25	0	21.14	20.19	20.07	≤ 2	2	
64QAM	1	0	20.19	20.25	20.26	≤ 2	2
	1	12	20.16	20.15	20.07		
	1	24	20.15	20.18	20.07		
	12	0	19.22	19.45	19.25		2
	12	6	19.18	19.14	19.23		
	12	13	19.12	19.26	19.21		
25	0	19.14	19.32	19.11	≤ 3	3	
256QAM	1	0	17.14	17.21	17.23	≤ 5	5
	1	12	17.10	17.17	17.04		
	1	24	17.13	17.20	17.09		
	12	0	17.27	17.34	17.35	≤ 5	5
	12	6	17.20	17.08	17.21		
	12	13	17.23	17.18	17.27		
25	0	17.27	17.16	17.10	≤ 5	5	

Table 8.1.12.5 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																	
		PCC						SCC						MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		LTE Rel.8	Aggregated BW	MPR	Tune-up Limit	CA Power (Total PCC+SCC)
CA_7C	Head	QPSK	1	99	20	2 535.0	21100	QPSK	1	0	20	2 554.8	21298	0	22.42	20	0	24.0	22.17

Table 8.1.12.6 LTE Conducted Power

Band & Mode		Modulated Average(dBm)
LTE Band 7 (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.1.12-1.1 Nominal and Maximum Output Power Spec

12-1) LTE Band 7 (ENDC)

LTE Band 7 Conducted Power- 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20850 (2 510.0 MHz)	21100 (2 535.0 MHz)	21350 (2 560.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.00	21.18	21.14	≤ 1	0
	1	50	20.92	21.06	21.03		
	1	99	20.91	21.00	20.92		
	50	0	20.12	20.15	20.06		1
	50	25	20.08	20.10	20.03		
	50	50	20.01	20.07	20.02		
	100	0	20.12	20.18	20.06		1
16QAM	1	0	19.95	20.05	19.95	≤ 1	1
	1	50	19.75	19.93	19.86		
	1	99	19.88	19.98	19.77		
	50	0	19.01	19.11	19.03	≤ 2	2
	50	25	18.94	19.08	19.03		
	50	50	18.98	19.08	19.00		
	100	0	20.12	19.02	18.94		2
64QAM	1	0	18.92	19.02	19.05	≤ 2	2
	1	50	18.89	18.95	18.90		
	1	99	18.91	18.96	18.89		
	50	0	18.11	18.00	17.92	≤ 3	3
	50	25	17.99	17.98	17.84		
	50	50	17.85	17.98	17.91		
	100	0	17.99	18.00	17.90		3
256QAM	1	0	16.04	16.08	16.09	≤ 5	5
	1	50	15.85	16.04	15.84		
	1	99	15.92	16.01	15.86		
	50	0	16.14	16.17	16.11	≤ 5	5
	50	25	15.97	16.10	16.01		
	50	50	16.10	16.08	16.09		
	100	0	15.95	16.00	15.91		5

Table 8.1.12-1.2 LTE Conducted Power

LTE Band 7 Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20825 (2 507.5 MHz)	21100 (2 535.0 MHz)	21375 (2 562.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.04	20.92	20.94	≤ 1	0
	1	36	20.98	20.86	20.86		
	1	74	20.90	20.91	20.85		
	36	0	20.00	20.13	20.08		1
	36	18	19.96	20.00	19.97		
	36	37	19.91	19.99	19.97		
	75	0	20.08	19.91	19.99		1
16QAM	1	0	19.96	19.93	19.98	≤ 1	1
	1	36	19.91	19.83	19.91		
	1	74	19.93	19.90	19.93		
	36	0	19.04	19.06	19.10	≤ 2	2
	36	18	18.91	18.97	19.03		
	36	37	18.83	18.94	18.82		
	75	0	20.08	19.02	18.89		2
64QAM	1	0	19.05	18.90	19.01	≤ 2	2
	1	36	18.91	18.89	18.99		
	1	74	18.96	18.86	19.01		
	36	0	18.10	17.96	17.92	≤ 3	3
	36	18	17.88	17.95	17.79		
	36	37	17.95	17.88	17.89		
	75	0	17.91	17.83	17.91		3
256QAM	1	0	15.91	16.00	16.05	≤ 5	5
	1	36	15.80	15.82	15.88		
	1	74	15.90	15.88	15.95		
	36	0	16.04	16.01	16.09	≤ 5	5
	36	18	15.93	15.96	15.99		
	36	37	16.00	15.97	15.93		
	75	0	16.00	15.96	15.88		5

Table 8.1.12-1.3 LTE Conducted Power

LTE Band 7 Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20800 (2 505.0 MHz)	21100 (2 535.0 MHz)	21400 (2 565.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.94	21.17	21.09	≤ 1	0
	1	25	20.92	21.11	20.94		
	1	49	20.90	20.96	20.92		
	25	0	20.11	20.04	20.13		1
	25	12	20.08	20.00	20.02		
	25	25	20.00	20.01	19.91		
	50	0	20.10	19.97	20.02	1	
16QAM	1	0	20.00	20.04	19.97	≤ 1	1
	1	25	19.84	19.92	19.96		
	1	49	19.77	19.89	19.87		
	25	0	19.08	18.95	19.05	≤ 2	2
	25	12	18.95	18.82	18.98		
	25	25	18.93	18.88	18.89		
	50	0	20.10	18.85	19.01	2	
64QAM	1	0	19.01	19.07	18.94	≤ 2	2
	1	25	18.82	18.97	18.84		
	1	49	18.86	18.94	18.79		
	25	0	18.04	17.98	17.99	≤ 3	3
	25	12	17.92	17.93	17.93		
	25	25	17.96	17.90	17.85		
	50	0	17.95	17.79	17.91	3	
256QAM	1	0	16.01	16.04	15.96	≤ 5	5
	1	25	15.82	15.93	15.80		
	1	49	15.77	15.89	15.78		
	25	0	16.05	16.07	16.19	≤ 5	5
	25	12	15.95	16.00	15.92		
	25	25	15.93	16.00	16.03		
	50	0	15.94	15.93	15.90	≤ 5	5

Table 8.1.12-1.4 LTE Conducted Power

LTE Band 7 Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20775 (2 502.5 MHz)	21100 (2 535.0 MHz)	21425 (2 567.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.12	20.97	21.02	≤ 1	0
	1	12	21.00	20.95	20.92		
	1	24	20.96	20.86	20.93		
	12	0	20.08	20.04	20.11		0
	12	6	20.02	20.02	19.99		
	12	13	20.00	19.99	20.08		
	25	0	19.95	20.02	19.95	1	
16QAM	1	0	19.96	19.91	19.96	≤ 1	1
	1	12	19.88	19.82	19.94		
	1	24	19.82	19.87	19.88		
	12	0	19.08	19.17	18.99		1
	12	6	19.04	19.05	18.95		
	12	13	18.87	19.05	18.97		
	25	0	19.95	19.01	18.80	≤ 2	2
64QAM	1	0	18.99	19.01	19.11	≤ 2	2
	1	12	18.87	18.92	18.87		
	1	24	18.81	18.89	18.84		
	12	0	17.94	17.97	17.95		2
	12	6	17.88	17.84	17.90		
	12	13	17.92	17.93	17.92		
	25	0	17.88	17.94	17.94	≤ 3	3
256QAM	1	0	15.97	15.97	15.94	≤ 5	5
	1	12	15.85	15.81	15.80		
	1	24	15.85	15.86	15.82		
	12	0	16.16	16.11	16.04	≤ 5	5
	12	6	16.12	15.99	16.01		
	12	13	16.05	15.99	15.91		
	25	0	15.86	15.93	15.92		

Table 8.1.12-1.5 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 41	Maximum	25.7
	Nominal	23.7

Table 8.1.13.1 Nominal and Maximum Output Power Spec

13) LTE Band 41

LTE Band 41 Conducted Power- 20 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			39750 (2506.0 MHz)	40185 (2 549.5 MHz)	40620 (2 593.0 MHz)	41055 (2 636.5 MHz)	41490 (2 680.0 MHz)			
			Conducted Power (dBm)							
QPSK	1	0	23.78	23.78	23.79	23.77	23.76	≤ 1	0	
	1	50	23.75	23.74	23.77	23.74	23.75			
	1	99	23.77	23.77	23.77	23.74	23.72			
	50	0	22.98	23.15	23.19	22.99	22.95		1	
	50	25	22.87	22.79	23.17	22.85	22.77			
	50	50	22.86	22.74	23.04	22.93	22.83			
	100	0	22.81	22.92	23.08	22.94	22.97			
16QAM	1	0	22.97	22.88	22.90	22.91	22.96	≤ 1	1	
	1	50	22.92	22.76	22.76	22.84	22.77			
	1	99	22.86	22.77	22.77	22.84	22.85			
	50	0	21.93	22.07	22.13	22.02	21.97		≤ 2	2
	50	25	21.83	21.72	22.09	21.96	21.91			
	50	50	21.89	21.88	22.13	21.80	21.90			
	100	0	22.81	21.79	22.01	22.07	21.95			
64QAM	1	0	21.89	21.75	21.96	21.84	21.89	≤ 2	2	
	1	50	21.83	21.73	21.94	21.80	21.78			
	1	99	21.86	21.73	21.78	21.81	21.82			
	50	0	21.02	21.04	21.25	20.97	20.99		≤ 3	3
	50	25	20.81	20.94	21.08	20.90	20.91			
	50	50	20.96	20.92	21.01	20.80	20.94			
	100	0	20.79	20.89	21.02	20.87	21.00			
256QAM	1	0	18.94	18.87	18.96	18.96	18.90	≤ 5	5	
	1	50	18.83	18.82	18.86	18.84	18.86			
	1	99	18.93	18.80	18.83	18.78	18.84			
	50	0	18.89	18.97	19.20	19.10	18.99		≤ 5	5
	50	25	18.77	18.89	19.16	18.85	18.94			
	50	50	18.86	18.73	19.06	18.86	18.94			
	100	0	18.87	18.81	18.94	18.93	18.86			

Table 8.1.13.2 LTE Conducted Power

LTE Band 41 Conducted Power- 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39725 (2 503.5 MHz)	40173 (2 548.3 MHz)	40620 (2 593.0 MHz)	41068 (2 637.8 MHz)	41515 (2 682.5 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	23.78	23.77	23.78	23.78	23.78	≤ 1	0
	1	36	23.74	23.75	23.75	23.77	23.75		1
	1	74	23.77	23.74	23.75	23.78	23.76		
	36	0	22.90	22.99	22.98	22.97	22.90		
	36	18	22.85	22.93	22.94	22.81	22.86		1
	36	37	22.87	22.95	22.84	22.91	22.77		
75	0	22.89	22.75	22.85	22.94	22.87	1		
16QAM	1	0	22.87	22.86	22.85	22.86	22.81	≤ 1	1
	1	36	22.83	22.74	22.82	22.73	22.78		
	1	74	22.83	22.81	22.80	22.76	22.76		
	36	0	22.02	22.18	21.85	21.95	22.02	≤ 2	2
	36	18	21.88	22.09	21.84	21.95	21.96		
	36	37	21.89	21.96	21.75	21.83	21.74		
75	0	22.89	21.90	21.85	21.92	21.92	2		
64QAM	1	0	21.82	21.95	21.78	21.88	21.98	≤ 2	2
	1	36	21.81	21.82	21.74	21.78	21.83		
	1	74	21.79	21.83	21.77	21.75	21.93		
	36	0	21.03	21.00	21.00	20.83	20.97	≤ 3	3
	36	18	20.91	20.78	20.76	20.80	20.72		
	36	37	20.77	20.93	20.95	20.78	20.89		
75	0	20.89	20.85	20.83	21.00	20.74	3		
256QAM	1	0	18.91	18.81	18.84	18.79	18.87	≤ 5	5
	1	36	18.81	18.80	18.83	18.76	18.80		
	1	74	18.83	18.77	18.79	18.76	18.83		
	36	0	19.08	18.98	19.00	18.88	18.92	≤ 5	5
	36	18	18.75	18.92	18.82	18.85	18.90		
	36	37	18.84	18.96	18.82	18.81	18.83		
75	0	19.03	18.79	18.99	19.00	18.80	≤ 5	5	

Table 8.1.13.3 LTE Conducted Power

LTE Band 41 Conducted Power– 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39700 (2 501.0 MHz)	40160 (2 547.0 MHz)	40620 (2 593.0 MHz)	41080 (2 639.0 MHz)	41540 (2 685.0 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	23.78	23.77	23.77	23.77	23.78	≤ 1	0
	1	25	23.76	23.75	23.75	23.73	23.76		
	1	49	23.76	23.76	23.77	23.75	23.77		
	25	0	22.99	23.05	22.86	23.04	23.08		1
	25	12	22.92	22.94	22.84	22.97	23.07		
	25	25	22.94	22.84	22.85	23.00	23.06		
	50	0	22.89	22.81	22.87	22.92	22.96		1
16QAM	1	0	22.77	22.90	22.84	22.94	22.87	≤ 1	1
	1	25	22.75	22.82	22.76	22.92	22.79		
	1	49	22.75	22.81	22.83	22.81	22.82		
	25	0	21.92	22.17	21.95	22.16	22.19	≤ 2	2
	25	12	21.80	22.11	21.95	21.80	22.08		
	25	25	21.87	21.96	21.76	22.07	22.18		
	50	0	22.89	21.91	22.04	22.11	22.07		2
64QAM	1	0	21.90	21.88	21.90	21.82	21.90	≤ 2	2
	1	25	21.82	21.86	21.81	21.76	21.77		
	1	49	21.84	21.77	21.84	21.80	21.88		
	25	0	21.12	21.15	21.02	20.93	21.21	≤ 3	3
	25	12	20.94	20.87	21.01	20.88	20.93		
	25	25	21.06	20.90	20.74	20.90	20.90		
	50	0	20.97	20.91	21.01	21.05	20.83		3
256QAM	1	0	18.78	18.86	18.94	18.88	18.92	≤ 5	5
	1	25	18.76	18.86	18.86	18.74	18.89		
	1	49	18.77	18.84	18.86	18.74	18.81		
	25	0	19.10	19.03	18.90	19.00	19.22	≤ 5	5
	25	12	19.06	18.79	18.81	18.79	18.97		
	25	25	19.08	18.75	18.84	18.91	18.96		
	50	0	18.96	18.92	19.06	19.05	18.91		5

Table 8.1.13.4 LTE Conducted Power

LTE Band 41 Conducted Power– 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39675 (2 498.5 MHz)	40148 (2 545.8 MHz)	40620 (2 593.0 MHz)	41093 (2 640.3 MHz)	41565 (2 687.5 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	23.76	23.77	23.78	23.78	23.77	≤ 1	0
	1	12	23.74	23.77	23.75	23.77	23.76		
	1	24	23.73	23.75	23.77	23.74	23.75		
	12	0	23.02	23.04	23.01	22.99	23.01		1
	12	6	22.93	22.96	22.97	22.78	22.87		
	12	13	22.99	22.95	22.76	22.96	22.93		
	25	0	22.78	22.90	22.93	22.99	22.93		
16QAM	1	0	22.91	22.95	22.96	22.95	22.87	≤ 1	1
	1	12	22.80	22.82	22.78	22.92	22.80		
	1	24	22.87	22.84	22.77	22.80	22.81		
	12	0	22.11	22.09	22.03	22.14	22.17	≤ 2	2
	12	6	21.78	22.05	21.90	21.74	21.98		
	12	13	21.94	22.03	21.91	22.02	22.08		
	25	0	22.78	21.85	22.03	21.86	22.09		
64QAM	1	0	21.93	21.89	21.96	21.92	21.96	≤ 2	2
	1	12	21.85	21.85	21.86	21.78	21.76		
	1	24	21.92	21.80	21.88	21.91	21.77		
	12	0	21.02	21.05	20.99	21.12	21.08	≤ 3	3
	12	6	20.83	20.81	20.94	20.78	20.75		
	12	13	21.01	21.03	20.85	20.80	20.92		
	25	0	20.94	21.07	21.03	20.87	20.89		
256QAM	1	0	18.95	18.92	18.96	18.84	18.81	≤ 5	5
	1	12	18.83	18.92	18.88	18.82	18.75		
	1	24	18.82	18.74	18.91	18.82	18.81		
	12	0	19.07	19.12	19.05	19.06	19.06	≤ 5	5
	12	6	19.07	18.91	18.91	18.89	18.84		
	12	13	19.04	18.88	18.84	19.02	19.04		
	25	0	18.98	18.86	19.08	18.96	18.74		

Table 8.1.13.5 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																	
		PCC						SCC						MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		LTE Rel.8	Aggregated BW	MPR	Tune-up Limit	CA Power (Total PCC+SCC)
CA 41C	Head	QPSK	1	99	20	2 593.0	40620	QPSK	1	0	20	2 612.8	40818	0	23.79	20	0	24.0	22.87

Table 8.1.13.6 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 41 (ENDC)	Maximum	23.0
	Nominal	22.0

Table 8.1.13-1.1 Nominal and Maximum Output Power Spec

13-1) LTE Band 41 (ENDC)

LTE Band 41 Conducted Power- 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39750 (2 506.0 MHz)	40185 (2 549.5 MHz)	40620 (2 593.0 MHz)	41055 (2 636.5 MHz)	41490 (2 680.0 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	22.60	22.67	22.71	22.65	22.64	≤ 1	0
	1	50	22.53	22.56	22.58	22.58	22.59		
	1	99	22.51	22.57	22.60	22.50	22.50		
	50	0	21.67	21.69	21.83	21.73	21.76		1
	50	25	21.60	21.58	21.82	21.69	21.65		
	50	50	21.57	21.65	21.69	21.66	21.62		
	100	0	21.53	21.59	21.81	21.58	21.63		1
16QAM	1	0	21.64	21.63	21.73	21.73	21.65	≤ 1	1
	1	50	21.60	21.54	21.64	21.59	21.59		
	1	99	21.55	21.63	21.64	21.58	21.63		
	50	0	20.63	20.76	20.90	20.76	20.71	≤ 2	2
	50	25	20.62	20.70	20.81	20.58	20.67		
	50	50	20.59	20.55	20.79	20.57	20.61		
	100	0	21.53	20.47	20.78	20.63	20.64		2
64QAM	1	0	20.64	20.59	20.79	20.64	20.69	≤ 2	2
	1	50	20.61	20.57	20.69	20.63	20.63		
	1	99	20.61	20.57	20.60	20.50	20.58		
	50	0	19.85	19.70	19.98	19.71	19.82	≤ 3	3
	50	25	19.53	19.61	19.85	19.67	19.63		
	50	50	19.65	19.63	19.86	19.69	19.67		
	100	0	19.62	19.56	19.74	19.61	19.65		3
256QAM	1	0	17.65	17.64	17.70	17.73	17.63	≤ 5	5
	1	50	17.61	17.61	17.59	17.61	17.53		
	1	99	17.58	17.57	17.62	17.59	17.53		
	50	0	17.67	17.63	17.91	17.71	17.71	≤ 5	5
	50	25	17.63	17.62	17.86	17.69	17.63		
	50	50	17.65	17.58	17.77	17.66	17.64		
	100	0	17.53	17.59	17.81	17.62	17.56		

Table 8.1.13-1.2 LTE Conducted Power

LTE Band 41 Conducted Power- 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39725 (2 503.5 MHz)	40173 (2 548.3 MHz)	40620 (2 593.0 MHz)	41068 (2 637.8 MHz)	41515 (2 682.5 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	22.63	22.65	22.63	22.64	22.59	≤ 1	0
	1	36	22.63	22.60	22.61	22.64	22.54		
	1	74	22.59	22.61	22.62	22.61	22.59		
	36	0	21.78	21.75	21.61	21.70	21.75		1
	36	18	21.73	21.59	21.55	21.59	21.65		
	36	37	21.57	21.56	21.60	21.52	21.55		
	75	0	21.78	21.60	21.75	21.66	21.71		1
16QAM	1	0	21.71	21.74	21.81	21.78	21.74	≤ 1	1
	1	36	21.62	21.66	21.77	21.77	21.70		
	1	74	21.66	21.68	21.69	21.67	21.64		
	36	0	20.78	20.83	20.59	20.77	20.79	≤ 2	2
	36	18	20.68	20.74	20.53	20.73	20.59		
	36	37	20.66	20.71	20.54	20.69	20.64		
	75	0	21.78	20.79	20.74	20.66	20.71		
64QAM	1	0	20.77	20.72	20.79	20.64	20.75	≤ 2	2
	1	36	20.72	20.63	20.71	20.61	20.68		
	1	74	20.60	20.60	20.75	20.56	20.67		
	36	0	19.79	19.81	19.68	19.60	19.73	≤ 3	3
	36	18	19.61	19.69	19.56	19.55	19.62		
	36	37	19.55	19.74	19.66	19.57	19.68		
	75	0	19.75	19.79	19.78	19.72	19.69		
256QAM	1	0	17.76	17.80	17.76	17.68	17.77	≤ 5	5
	1	36	17.75	17.78	17.73	17.57	17.68		
	1	74	17.70	17.75	17.69	17.64	17.68		
	36	0	17.89	17.85	17.63	17.77	17.76	≤ 5	5
	36	18	17.71	17.75	17.61	17.70	17.60		
	36	37	17.59	17.69	17.56	17.70	17.66		
	75	0	17.87	17.75	17.74	17.63	17.72		

Table 8.1.13-1.3 LTE Conducted Power

LTE Band 41 Conducted Power– 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39700 (2 501.0 MHz)	40160 (2 547.0 MHz)	40620 (2 593.0 MHz)	41080 (2 639.0 MHz)	41540 (2 685.0 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	22.68	22.68	22.70	22.64	22.64	≤ 1	0
	1	25	22.64	22.66	22.62	22.62	22.62		
	1	49	22.62	22.59	22.55	22.52	22.53		
	25	0	21.81	21.79	21.80	21.79	21.77		1
	25	12	21.74	21.70	21.73	21.74	21.72		
	25	25	21.76	21.67	21.77	21.72	21.73		
	50	0	21.68	21.61	21.69	21.66	21.71		1
16QAM	1	0	21.86	21.77	21.79	21.77	21.73	≤ 1	1
	1	25	21.72	21.70	21.77	21.70	21.67		
	1	49	21.80	21.75	21.66	21.68	21.69		
	25	0	20.86	20.94	20.96	20.84	20.83	≤ 2	2
	25	12	20.79	20.82	20.84	20.70	20.71		
	25	25	20.81	20.86	20.67	20.70	20.80		
	50	0	21.68	20.76	20.83	20.76	20.89		2
64QAM	1	0	20.80	20.81	20.75	20.70	20.74	≤ 2	2
	1	25	20.76	20.63	20.74	20.60	20.66		
	1	49	20.69	20.70	20.71	20.58	20.67		
	25	0	19.83	19.87	19.88	19.75	19.85	≤ 3	3
	25	12	19.72	19.70	19.70	19.73	19.68		
	25	25	19.82	19.71	19.65	19.71	19.72		
	50	0	19.88	19.59	19.86	19.74	19.75		3
256QAM	1	0	17.73	17.80	17.89	17.80	17.70	≤ 5	5
	1	25	17.69	17.70	17.74	17.71	17.66		
	1	49	17.62	17.73	17.62	17.66	17.65		
	25	0	17.91	17.80	17.84	17.79	17.87	≤ 5	5
	25	12	17.77	17.69	17.70	17.68	17.69		
	25	25	17.82	17.77	17.68	17.63	17.72		
	50	0	17.63	17.75	17.86	17.79	17.78		≤ 5

Table 8.1.13-1.4 LTE Conducted Power

LTE Band 41 Conducted Power– 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39675 (2 498.5 MHz)	40148 (2 545.8 MHz)	40620 (2 593.0 MHz)	41093 (2 640.3 MHz)	41565 (2 687.5 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	22.65	22.61	22.66	22.68	22.62	≤ 1	0
	1	12	22.58	22.55	22.65	22.67	22.57		
	1	24	22.59	22.58	22.58	22.61	22.56		
	12	0	21.69	21.79	21.65	21.75	21.80		1
	12	6	21.67	21.75	21.56	21.67	21.66		
	12	13	21.64	21.61	21.62	21.72	21.64		
	25	0	21.62	21.69	21.69	21.67	21.63		1
16QAM	1	0	21.80	21.75	21.76	21.81	21.79	≤ 1	1
	1	12	21.72	21.63	21.73	21.80	21.68		
	1	24	21.74	21.71	21.57	21.81	21.71		
	12	0	20.79	20.84	20.77	20.85	20.89	≤ 2	2
	12	6	20.73	20.70	20.70	20.61	20.63		
	12	13	20.71	20.63	20.65	20.84	20.78		
	25	0	21.62	20.69	20.71	20.66	20.73		2
64QAM	1	0	20.76	20.77	20.85	20.82	20.77	≤ 2	2
	1	12	20.69	20.65	20.77	20.72	20.71		
	1	24	20.64	20.67	20.59	20.64	20.67		
	12	0	19.82	19.93	19.82	19.87	19.79	≤ 3	3
	12	6	19.62	19.81	19.70	19.63	19.57		
	12	13	19.68	19.76	19.62	19.77	19.66		
	25	0	19.72	19.76	19.80	19.63	19.68		3
256QAM	1	0	17.85	17.76	17.77	17.86	17.73	≤ 5	5
	1	12	17.63	17.70	17.76	17.77	17.69		
	1	24	17.75	17.72	17.64	17.62	17.63		
	12	0	17.83	17.70	17.81	17.75	17.73	≤ 5	5
	12	6	17.79	17.63	17.75	17.73	17.52		
	12	13	17.82	17.69	17.62	17.73	17.70		
	25	0	17.72	17.72	17.78	17.74	17.68		≤ 5

Table 8.1.13-1.5 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 48	Maximum	24.0
	Nominal	23.0

Table 8.1.14.1 Nominal and Maximum Output Power Spec

14) LTE Band 48

LTE Band 48 Conducted Power– 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			55340 (3 560.0 MHz)	55773 (3 603.3 MHz)	56207 (3 646.7 MHz)	56640 (3 690.0 MHz)		
			Conducted Power (dBm)					
QPSK	1	0	22.29	22.30	22.38	22.33	≤ 1	0
	1	50	22.18	22.28	22.37	22.26		
	1	99	22.24	22.19	22.25	22.21		
	50	0	21.35	21.30	21.49	21.36		1
	50	25	21.21	21.20	21.36	21.34		
	50	50	21.26	21.28	21.33	21.32		
	100	0	21.20	21.19	21.42	21.32		1
16QAM	1	0	21.26	21.30	21.48	21.44	≤ 1	1
	1	50	21.26	21.23	21.42	21.38		
	1	99	21.21	21.19	21.40	21.36		
	50	0	20.41	20.46	20.39	20.43	≤ 2	2
	50	25	20.33	20.25	20.35	20.41		
	50	50	20.29	20.40	20.30	20.39		
	100	0	21.20	20.36	20.43	20.38		
64QAM	1	0	20.31	20.42	20.46	20.44	≤ 2	2
	1	50	20.26	20.30	20.41	20.34		
	1	99	20.26	20.22	20.44	20.36		
	50	0	19.47	19.33	19.37	19.46	≤ 3	3
	50	25	19.31	19.30	19.35	19.42		
	50	50	19.35	19.28	19.31	19.45		
	100	0	19.23	19.20	19.41	19.25		
256QAM	1	0	17.42	17.38	17.42	17.48	≤ 5	5
	1	50	17.28	17.32	17.39	17.27		
	1	99	17.19	17.31	17.39	17.27		
	50	0	17.26	17.34	17.46	17.30	≤ 5	5
	50	25	17.22	17.27	17.43	17.24		
	50	50	17.23	17.18	17.42	17.18		
	100	0	17.24	17.23	17.43	17.20		

Table 8.1.14.2 LTE Conducted Power

LTE Band 48 Conducted Power– 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			55315 (3 557.5 MHz)	55765 (3 602.5 MHz)	56215 (3 647.5 MHz)	56665 (3 692.5 MHz)		
			Conducted Power (dBm)					
QPSK	1	0	22.26	22.23	22.30	22.32	≤ 1	0
	1	36	22.18	22.19	22.29	22.26		
	1	74	22.19	22.20	22.19	22.19		
	36	0	21.27	21.32	21.42	21.40		1
	36	18	21.23	21.23	21.38	21.33		
	36	37	21.19	21.26	21.19	21.36		
	75	0	21.21	21.24	21.23	21.22		1
16QAM	1	0	21.24	21.26	21.30	21.45	≤ 1	1
	1	36	21.19	21.22	21.30	21.36		
	1	74	21.20	21.18	21.20	21.28		
	36	0	20.32	20.42	20.35	20.42	≤ 2	2
	36	18	20.22	20.22	20.23	20.33		
	36	37	20.27	20.36	20.21	20.33		
	75	0	21.21	20.18	20.21	20.31		
64QAM	1	0	20.31	20.37	20.48	20.42	≤ 2	2
	1	36	20.23	20.36	20.36	20.24		
	1	74	20.30	20.26	20.23	20.23		
	36	0	19.35	19.29	19.38	19.40	≤ 3	3
	36	18	19.19	19.24	19.27	19.34		
	36	37	19.30	19.21	19.24	19.38		
	75	0	19.20	19.20	19.36	19.21		
256QAM	1	0	17.35	17.33	17.37	17.32	≤ 5	5
	1	36	17.29	17.27	17.33	17.30		
	1	74	17.23	17.27	17.25	17.31		
	36	0	17.27	17.25	17.30	17.25	≤ 5	5
	36	18	17.18	17.22	17.28	17.19		
	36	37	17.20	17.19	17.29	17.24		
	75	0	17.24	17.18	17.41	17.21		

Table 8.1.14.3 LTE Conducted Power

LTE Band 48 Conducted Power– 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			55290 (3 555.0 MHz)	55757 (3 601.7 MHz)	56223 (3 648.3 MHz)	56690 (3 695.0 MHz)		
			Conducted Power (dBm)					
QPSK	1	0	22.29	22.24	22.32	22.21	≤ 1	0
	1	25	22.24	22.21	22.29	22.21		
	1	49	22.18	22.23	22.24	22.20		
	25	0	21.29	21.31	21.41	21.37		1
	25	12	21.25	21.20	21.34	21.32		
	25	25	21.24	21.23	21.27	21.29		
	50	0	21.23	21.20	21.32	21.28		1
16QAM	1	0	21.21	21.28	21.32	21.31	≤ 1	1
	1	25	21.20	21.20	21.31	21.28		
	1	49	21.20	21.23	21.18	21.24		
	25	0	20.31	20.39	20.25	20.44	≤ 2	2
	25	12	20.29	20.37	20.24	20.24		
	25	25	20.24	20.35	20.23	20.40		
	50	0	21.23	20.20	20.20	20.26		2
64QAM	1	0	20.24	20.35	20.44	20.30	≤ 2	2
	1	25	20.21	20.22	20.24	20.25		
	1	49	20.22	20.24	20.21	20.23		
	25	0	19.39	19.33	19.38	19.47	≤ 3	3
	25	12	19.19	19.31	19.19	19.34		
	25	25	19.18	19.31	19.31	19.43		
	50	0	19.21	19.19	19.27	19.19		3
256QAM	1	0	17.36	17.43	17.41	17.37	≤ 5	5
	1	25	17.20	17.35	17.34	17.31		
	1	49	17.22	17.26	17.32	17.36		
	25	0	17.25	17.35	17.29	17.37	≤ 5	5
	25	12	17.23	17.25	17.27	17.30		
	25	25	17.23	17.22	17.28	17.20		
	50	0	17.23	17.22	17.36	17.22		5

Table 8.1.14.4 LTE Conducted Power

LTE Band 48 Conducted Power- 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			55265 (3 552.5 MHz)	55748 (3 600.8 MHz)	56232 (3 649.2 MHz)	56715 (3 697.5 MHz)		
			Conducted Power (dBm)					
QPSK	1	0	22.28	22.29	22.43	22.27	≤ 1	0
	1	12	22.20	22.24	22.28	22.21		
	1	24	22.24	22.23	22.28	22.18		
	12	0	21.31	21.26	21.33	21.25		1
	12	6	21.24	21.21	21.27	21.23		
	12	13	21.21	21.23	21.19	21.24		
	25	0	21.18	21.23	21.39	21.23		1
16QAM	1	0	21.30	21.32	21.43	21.36	≤ 1	1
	1	12	21.24	21.24	21.39	21.23		
	1	24	21.20	21.24	21.34	21.30		
	12	0	20.35	20.38	20.30	20.33	≤ 2	2
	12	6	20.18	20.30	20.19	20.32		
	12	13	20.24	20.21	20.24	20.30		
	25	0	21.18	20.24	20.27	20.21		2
64QAM	1	0	20.24	20.28	20.41	20.35	≤ 2	2
	1	12	20.21	20.21	20.35	20.27		
	1	24	20.20	20.19	20.37	20.22		
	12	0	19.30	19.31	19.27	19.27	≤ 3	3
	12	6	19.27	19.22	19.26	19.26		
	12	13	19.26	19.26	19.24	19.23		
	25	0	19.20	19.24	19.30	19.18		3
256QAM	1	0	17.26	17.33	17.37	17.28	≤ 5	5
	1	12	17.23	17.29	17.33	17.24		
	1	24	17.24	17.30	17.28	17.22		
	12	0	17.30	17.30	17.29	17.25	≤ 5	5
	12	6	17.24	17.18	17.26	17.24		
	12	13	17.19	17.24	17.25	17.23		
	25	0	17.19	17.18	17.41	17.18		5

Table 8.1.14.5 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																	
		PCC						SCC						MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		LTE Rel.8	Aggregated BW	MPR	Tune-up Limit	CA Power (Total PCC+SCC)
CA 48C	Head	QPSK	1	99	20	3 646.7	56207	QPSK	1	0	20	3 666.5	56405	0	22.38	20	0	23.0	21.42

Table 8.1.14.6 LTE Conducted Power

8.2 NR Nominal and Maximum Output Power Spec and Conducted Powers_Ext Ant

Band & Mode		Modulated Average[dBm]
NR Band n71	Maximum	24.0
	Nominal	23.0

Table 8.2.1.1 Nominal and Maximum Output Power Spec

1) NR Band n71

NR Band n71 Conducted Power– 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			136100 (680.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.87	0	0.0
	1	52	22.96		
	1	104	22.79		
	50	0	22.78	≤ 0.5	0.5
	50	25	22.96	0	0.0
	50	50	22.64	≤ 0.5	0.5
	100	0	22.45		
DFT-s OFDM QPSK	1	1	22.91	0	0.0
	1	52	23.02		
	1	104	22.92		
	50	0	22.81	≤ 1	1.0
	50	25	22.97	0	0.0
	50	50	22.74	≤ 1	1.0
	100	0	22.53		
DFT-s OFDM 16QAM	1	1	22.14	≤ 1	1.0
	1	52	22.58		
	1	104	22.49		
DFT-s OFDM 64QAM	1	1	20.57	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.43	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.61	≤ 1.5	1.5

Table 8.2.1.2 NR Conducted Power

Note: NR Band n71 can not contain three non-overlapping channels of 20 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n71 Conducted Power– 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			136100 (680.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.83	0	0.0
	1	39	22.90		
	1	76	22.75		
	36	0	22.79	≤ 0.5	0.5
	36	18	22.84	0	0.0
	36	36	22.70	≤ 0.5	0.5
	75	0	22.39		
DFT-s OFDM QPSK	1	1	22.89	0	0.0
	1	39	22.96		
	1	76	22.93		
	36	0	22.83	≤ 1	1.0
	36	18	22.87	0	0.0
	36	36	22.79	≤ 1	1.0
	75	0	22.45		
DFT-s OFDM 16QAM	1	1	22.03	≤ 1	1.0
	1	39	22.36		
	1	76	22.23		
DFT-s OFDM 64QAM	1	1	20.42	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.60	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.56	≤ 1.5	1.5

Table 8.2.1.3 NR Conducted Power

Note: NR Band n71 can not contain three non-overlapping channels of 15 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n71 Conducted Power~ 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			133600 (668.0 MHz)	136100 (680.5 MHz)	138600 (693.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.68	22.76	22.77	0	0.0
	1	25	22.75	22.83	22.90		
	1	49	22.72	22.66	22.73		
	25	0	22.61	22.72	22.50	≤ 0.5	0.5
	25	12	22.70	22.74	22.78	0	0.0
	25	25	22.53	22.61	22.53	≤ 0.5	0.5
	50	0	22.22	22.24	22.24		
DFT-s OFDM QPSK	1	1	22.82	22.90	22.83	0	0.0
	1	25	22.86	22.91	23.01		
	1	49	22.84	22.87	22.80		
	25	0	22.66	22.82	22.74	≤ 1	1.0
	25	12	22.86	22.86	22.95	0	0.0
	25	25	22.78	22.83	22.62	≤ 1	1.0
	50	0	22.41	22.39	22.40		
DFT-s OFDM 16QAM	1	1	21.96	21.97	22.05	≤ 1	1.0
	1	25	22.52	22.52	22.32		
	1	49	22.44	21.90	21.89		
DFT-s OFDM 64QAM	1	1	20.56	20.51	20.49	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.35	18.52	18.40	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.59	21.51	21.50	≤ 1.5	1.5

Table 8.2.1.4 NR Conducted Power

NR Band n71 Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			133100 (665.5 MHz)	136100 (680.5 MHz)	139100 (695.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.73	22.78	22.68	0	0.0
	1	12	22.85	22.89	22.81		
	1	22	22.72	22.84	22.71		
	12	0	22.73	22.70	22.71	≤ 0.5	0.5
	12	6	22.83	22.81	22.79	0	0.0
	12	12	22.56	22.66	22.75	≤ 0.5	0.5
24	0	22.20	22.18	22.27			
DFT-s OFDM QPSK	1	1	22.91	22.89	22.89	0	0.0
	1	12	22.96	22.99	22.93		
	1	22	22.86	22.91	22.75		
	12	0	22.86	22.91	22.85	≤ 1	1.0
	12	6	22.90	22.95	22.90	0	0.0
	12	12	22.73	22.73	22.80	≤ 1	1.0
24	0	22.24	22.41	22.49			
DFT-s OFDM 16QAM	1	1	22.35	22.01	22.03	≤ 1	1.0
	1	12	22.51	22.36	22.24		
	1	22	22.50	21.98	21.78		
DFT-s OFDM 64QAM	1	1	20.53	20.40	20.47	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.44	18.40	18.59	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.43	21.60	21.53	≤ 1.5	1.5

Table 8.2.1.5 NR Conducted Power

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
71A-77A	Head	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	23.02	20	25.78	100	0	22.00	25.00	20.91	23.67
71A-77A	Head	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	23.02	20	25.75	100	0	22.00	25.00	20.81	23.66
71A-78A	Head	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	23.02	20	25.48	100	0	22.00	25.00	20.86	23.50
71A-78A	Head	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	23.02	20	25.66	100	0	22.00	25.00	20.83	23.45

Table 8.2.1.6 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n12	Maximum	24.0
	Nominal	23.0

Table 8.2.2.1 Nominal and Maximum Output Power Spec

2) NR Band n12

NR Band n12 Conducted Power– 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			141500 (707.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.67	0	0.0
	1	39	22.82		
	1	76	22.62		
	36	0	22.62	≤ 0.5	0.5
	36	18	22.64	0	0.0
	36	36	22.58	≤ 0.5	0.5
	75	0	21.72		
DFT-s OFDM QPSK	1	1	22.69	0	0.0
	1	39	22.96		
	1	76	22.80		
	36	0	22.73	≤ 1	1.0
	36	18	22.92	0	0.0
	36	36	22.72	≤ 1	1.0
	75	0	21.89		
DFT-s OFDM 16QAM	1	1	21.96	≤ 1	1.0
	1	39	22.10		
	1	76	21.92		
DFT-s OFDM 64QAM	1	1	20.26	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.37	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.72	≤ 1.5	1.5

Table 8.2.2.2 NR Conducted Power

Note: NR Band n12 can not contain three non-overlapping channels of 15 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n12 Conducted Power– 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			141500 (707.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.43	0	0.0
	1	25	22.73		
	1	49	22.49		
	25	0	22.40	≤ 0.5	0.5
	25	12	22.56	0	0.0
	25	25	22.53	≤ 0.5	0.5
	50	0	21.78		
DFT-s OFDM QPSK	1	1	22.44	0	0.0
	1	25	22.77		
	1	49	22.71		
	25	0	22.50	≤ 1	1.0
	25	12	22.61	0	0.0
	25	25	22.58	≤ 1	1.0
	50	0	21.80		
DFT-s OFDM 16QAM	1	1	21.64	≤ 1	1.0
	1	25	21.83		
	1	49	21.76		
DFT-s OFDM 64QAM	1	1	20.39	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.21	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.96	≤ 1.5	1.5

Table 8.2.2.3 NR Conducted Power

Note: NR Band n12 can not contain three non-overlapping channels of 10 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n12 Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			140300 (701.5 MHz)	141500 (707.5 MHz)	142700 (713.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.29	22.41	22.33	0	0.0
	1	12	22.48	22.51	22.40		
	1	22	22.41	22.48	22.29		
	12	0	22.18	22.42	22.24	≤ 0.5	0.5
	12	6	22.39	22.50	22.26	0	0.0
	12	12	22.28	22.29	22.20	≤ 0.5	0.5
	24	0	21.67	21.64	21.71		
DFT-s OFDM QPSK	1	1	22.52	22.57	22.47	0	0.0
	1	12	22.63	22.68	22.52		
	1	22	22.62	22.56	22.31		
	12	0	22.44	22.50	22.31	≤ 1	1.0
	12	6	22.53	22.56	22.36	0	0.0
	12	12	22.44	22.40	22.27	≤ 1	1.0
	24	0	21.86	21.81	21.73		
DFT-s OFDM 16QAM	1	1	21.64	21.76	21.68	≤ 1	1.0
	1	12	21.74	21.85	21.75		
	1	22	21.66	21.59	21.51		
DFT-s OFDM 64QAM	1	1	20.15	20.17	20.00	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.10	18.28	18.15	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.07	21.18	21.49	≤ 1.5	1.5

Table 8.2.2.4 NR Conducted Power

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
12A-48A	Head	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	107	40	3 624.99	641666	0	22.96	15	22.52	40	0	22.00	22.00	20.96	21.73
12A-77A	Head	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	22.96	15	25.78	100	0	22.00	25.00	20.91	23.78
12A-77A	Head	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	22.96	15	25.75	100	0	22.00	25.00	20.85	23.74
12A-78A	Head	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	22.96	15	25.48	100	0	22.00	25.00	20.77	23.63
12A-78A	Head	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	22.96	15	25.66	100	0	22.00	25.00	20.69	23.56

Table 8.2.2.5 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n13	Maximum	24.0
	Nominal	23.0

Table 8.2.3.1 Nominal and Maximum Output Power Spec

3) NR Band n13

NR Band n13 Conducted Power- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			156400 (782.0MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	23.06	0	0.0
	1	25	23.19		
	1	49	23.15		
	25	0	22.78	≤ 0.5	0.5
	25	12	22.99	0	0.0
	25	25	22.80	≤ 0.5	0.5
DFT-s OFDM QPSK	50	0	22.06	0	0.0
	1	1	23.19		
	1	25	23.26		
	1	49	23.25	≤ 1	1.0
	25	0	22.97		
	25	12	23.22		
DFT-s OFDM 16QAM	25	25	22.99	≤ 1	1.0
	50	0	22.17		
	1	1	22.21		
DFT-s OFDM 64QAM	1	25	22.33	≤ 1	1.0
	1	49	22.31		
	1	1	20.70	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.74	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.71	≤ 1.5	1.5

Table 8.2.3.2 NR Conducted Power

NR Band n13 Conducted Power- 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			156400 (782.0MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.83	0	0.0
	1	12	23.02		
	1	22	22.93		
	12	0	22.68	≤ 0.5	0.5
	12	6	22.91	0	0.0
	12	12	22.88	≤ 0.5	0.5
DFT-s OFDM QPSK	24	0	21.94	0	0.0
	1	1	23.02		
	1	12	23.10		
	1	22	23.02	≤ 1	1.0
	12	0	22.86	0	0.0
	12	6	23.04	≤ 1	1.0
DFT-s OFDM 16QAM	12	12	22.94	≤ 1	1.0
	24	0	22.14		
	1	1	22.15		
DFT-s OFDM 64QAM	1	12	22.19	≤ 1	1.0
	1	22	22.14		
	1	1	20.54	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.58	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.63	≤ 1.5	1.5

Table 8.2.3.3 NR Conducted Power

Note: NR Band n13 can not contain three non-overlapping channels of 5 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
13A-77A	Head	DFT-s OFDM QPSK	1	25	10	782.0	156400	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	23.26	10	25.78	100	0	22.00	25.00	21.13	23.70
13A-77A	Head	DFT-s OFDM QPSK	1	25	10	782.0	156400	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	23.26	10	25.75	100	0	22.00	25.00	21.06	23.61

Table 8.2.3.4 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n14	Maximum	24.0
	Nominal	23.0

Table 8.2.4.1 Nominal and Maximum Output Power Spec

4) NR Band n14

NR Band n14 Conducted Power- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			158600 (793.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.86	0	0.0
	1	25	23.03		
	1	49	22.88		
	25	0	22.81	≤ 0.5	0.5
	25	12	22.97	0	0.0
	25	25	22.78	≤ 0.5	0.5
	50	0	21.91		
DFT-s OFDM QPSK	1	1	22.98	0	0.0
	1	25	23.13		
	1	49	23.00		
	25	0	22.89	≤ 1	1.0
	25	12	23.07	0	0.0
	25	25	22.88	≤ 1	1.0
	50	0	21.98		
DFT-s OFDM 16QAM	1	1	22.09	≤ 1	1.0
	1	25	22.23		
	1	49	22.02		
DFT-s OFDM 64QAM	1	1	20.60	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.56	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.53	≤ 1.5	1.5

Table 8.2.4.2 NR Conducted Power

NR Band n14 Conducted Power- 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			158600 (793.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.60	0	0.0
	1	12	22.74		
	1	22	22.72		
	12	0	22.50	≤ 0.5	0.5
	12	6	22.57	0	0.0
	12	12	22.50	≤ 0.5	0.5
	24	0	21.82		
DFT-s OFDM QPSK	1	1	22.68	0	0.0
	1	12	22.81		
	1	22	22.77		
	12	0	22.52	≤ 1	1.0
	12	6	22.70	0	0.0
	12	12	22.54	≤ 1	1.0
	24	0	21.95		
DFT-s OFDM 16QAM	1	1	22.13	≤ 1	1.0
	1	12	22.16		
	1	22	22.06		
DFT-s OFDM 64QAM	1	1	20.47	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.30	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.33	≤ 1.5	1.5

Table 8.2.4.3NR Conducted Power

Note: NR Band n14 can not contain three non-overlapping channels of 5 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
14A-77A	Head	DFT-s OFDM QPSK	1	25	10	793.0	158600	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	23.13	10	25.78	100	0	22.00	25.00	21.25	23.65
14A-77A	Head	DFT-s OFDM QPSK	1	25	10	793.0	158600	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	23.13	10	25.75	100	0	22.00	25.00	21.24	23.62

Table 8.2.4.4 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n26	Maximum	24.0
	Nominal	23.0

Table 8.2.5.1 Nominal and Maximum Output Power Spec

5) NR Band n26

NR Band n26 Conducted Power– 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			166300 (831.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.69	0	0.0
	1	52	22.74		
	1	104	22.70		
	50	0	21.83	≤ 0.5	0.5
	50	25	22.55	0	0.0
	50	50	21.91	≤ 0.5	0.5
	100	0	21.61		
DFT-s OFDM QPSK	1	1	22.77	0	0.0
	1	52	22.94		
	1	104	22.80		
	50	0	21.93	≤ 1	1.0
	50	25	22.79	0	0.0
	50	50	22.03	≤ 1	1.0
	100	0	21.74		
DFT-s OFDM 16QAM	1	1	21.96	≤ 1	1.0
	1	52	22.13		
	1	104	22.04		
DFT-s OFDM 64QAM	1	1	21.42	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.26	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.49	≤ 1.5	1.5

Table 8.2.5.2 NR Conducted Power

Note: NR Band n5 can not contain three non-overlapping channels of 20 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n26 Conducted Power– 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			166300 (831.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.50	0	0.0
	1	39	22.75		
	1	76	22.69		
	36	0	21.89	≤ 0.5	0.5
	36	18	22.60	0	0.0
	36	36	21.80	≤ 0.5	0.5
	75	0	21.47		
DFT-s OFDM QPSK	1	1	22.71	0	0.0
	1	39	22.82		
	1	76	22.79		
	36	0	21.94	≤ 1	1.0
	36	18	22.66	0	0.0
	36	36	21.88	≤ 1	1.0
	75	0	21.60		
DFT-s OFDM 16QAM	1	1	21.91	≤ 1	1.0
	1	39	22.11		
	1	76	21.95		
DFT-s OFDM 64QAM	1	1	21.33	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.21	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.45	≤ 1.5	1.5

Table 8.2.5.3 NR Conducted Power

Note: NR Band n5 can not contain three non-overlapping channels of 15 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n26 Conducted Power-- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			166300 (831.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.50	0	0.0
	1	25	22.74		
	1	49	22.71		
	25	0	21.77	≤ 0.5	0.5
	25	12	22.60	0	0.0
	25	25	21.88	≤ 0.5	0.5
	50	0	21.44		
DFT-s OFDM QPSK	1	1	22.54	0	0.0
	1	25	22.93		
	1	49	22.78		
	25	0	21.85	≤ 1	1.0
	25	12	22.66	0	0.0
	25	25	21.96	≤ 1	1.0
	50	0	21.59		
	DFT-s OFDM 16QAM	1	1	21.98	≤ 1
1		25	21.99		
1		49	21.91		
DFT-s OFDM 64QAM	1	1	21.24	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.22	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.61	≤ 1.5	1.5

Table 8.2.5.4 NR Conducted Power

Note: NR Band n5 can not contain three non-overlapping channels of 10 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n26 Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			163300 (816.5 MHz)	166300 (831.5 MHz)	169300 (846.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.48	22.63	22.43	0	0.0
	1	12	22.55	22.72	22.61		
	1	22	22.53	22.65	22.54		
	12	0	21.62	21.75	21.80	≤ 0.5	0.5
	12	6	22.40	22.50	22.52	0	0.0
	12	12	21.78	21.82	21.85	≤ 0.5	0.5
	24	0	21.45	21.51	21.41		
DFT-s OFDM QPSK	1	1	22.54	22.66	22.65	0	0.0
	1	12	22.64	22.77	22.76		
	1	22	22.60	22.66	22.75		
	12	0	21.74	21.88	21.96	≤ 1	1.0
	12	6	22.59	22.68	22.60	0	0.0
	12	12	21.79	21.94	21.98	≤ 1	1.0
	24	0	21.59	21.66	21.63		
DFT-s OFDM 16QAM	1	1	21.74	21.91	21.69	≤ 1	1.0
	1	12	21.89	22.05	21.80		
	1	22	21.81	21.93	21.78		
DFT-s OFDM 64QAM	1	1	21.27	21.28	21.27	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.32	19.20	19.31	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.31	21.43	21.42	≤ 1.5	1.5

Table 8.2.5.5 NR Conducted Power

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
26A-77A	Head	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	22.94	20	25.78	100	0	22.00	25.00	20.70	23.58
26A-77A	Head	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	22.94	20	25.75	100	0	22.00	25.00	20.69	23.52
26A-78A	Head	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	22.94	20	25.48	100	0	22.00	25.00	20.79	23.65
26A-78A	Head	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	22.94	20	25.66	100	0	22.00	25.00	20.73	23.62

Table 8.2.5.6 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n5	Maximum	24.0
	Nominal	23.0

Table 8.2.6.1 Nominal and Maximum Output Power Spec

6) NR Band n5

NR Band n5 Conducted Power– 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			167300 (836.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.96	0	0.0
	1	52	23.10		
	1	104	23.10		
	50	0	22.83	≤ 0.5	0.5
	50	25	23.04	0	0.0
	50	50	22.72	≤ 0.5	0.5
	100	0	22.16		
DFT-s OFDM QPSK	1	1	23.16	0	0.0
	1	52	23.21		
	1	104	23.12		
	50	0	22.97	≤ 1	1.0
	50	25	23.17	0	0.0
	50	50	22.75	≤ 1	1.0
	100	0	22.27		
DFT-s OFDM 16QAM	1	1	22.16	≤ 1	1.0
	1	52	22.25		
	1	104	22.12		
DFT-s OFDM 64QAM	1	1	20.67	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.70	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.70	≤ 1.5	1.5

Table 8.2.6.2 NR Conducted Power

Note: NR Band n5 can not contain three non-overlapping channels of 20 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n5 Conducted Power– 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			167300 (836.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.91	0	0.0
	1	39	23.05		
	1	76	22.80		
	36	0	22.65	≤ 0.5	0.5
	36	18	22.88	0	0.0
	36	36	22.70	≤ 0.5	0.5
	75	0	22.10		
DFT-s OFDM QPSK	1	1	22.97	0	0.0
	1	39	23.18		
	1	76	22.93		
	36	0	22.77	≤ 1	1.0
	36	18	23.06	0	0.0
	36	36	22.78	≤ 1	1.0
	75	0	22.21		
DFT-s OFDM 16QAM	1	1	22.18	≤ 1	1.0
	1	39	22.27		
	1	76	22.09		
DFT-s OFDM 64QAM	1	1	20.47	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.68	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.65	≤ 1.5	1.5

Table 8.2.6.3 NR Conducted Power

Note: NR Band n5 can not contain three non-overlapping channels of 15 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n5 Conducted Power- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			167300 (836.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.91	0	0.0
	1	25	22.93		
	1	49	22.88		
	25	0	22.67	≤ 0.5	0.5
	25	12	22.92	0	0.0
	25	25	22.71	≤ 0.5	0.5
	50	0	22.08		
DFT-s OFDM QPSK	1	1	23.05	0	0.0
	1	25	23.21		
	1	49	22.91		
	25	0	22.73	≤ 1	1.0
	25	12	22.98	0	0.0
	25	25	22.74	≤ 1	1.0
	50	0	22.20		
DFT-s OFDM 16QAM	1	1	22.13	≤ 1	1.0
	1	25	22.27		
	1	49	22.09		
DFT-s OFDM 64QAM	1	1	20.74	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.74	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.68	≤ 1.5	1.5

Table 8.2.6.4 NR Conducted Power

Note: NR Band n5 can not contain three non-overlapping channels of 10 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band 5 Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			165300 (826.5 MHz)	167300 (836.5 MHz)	169300 (846.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.82	22.90	22.91	0	0.0
	1	12	22.98	23.02	22.99		
	1	22	22.76	22.93	22.79		
	12	0	22.70	22.74	22.70	≤ 0.5	0.5
	12	6	22.89	22.97	22.84	0	0.0
	12	12	22.71	22.71	22.77	≤ 0.5	0.5
	24	0	21.96	22.16	22.07		
DFT-s OFDM QPSK	1	1	23.04	22.98	23.00	0	0.0
	1	12	23.18	23.05	23.11		
	1	22	22.97	23.01	23.03		
	12	0	22.80	22.84	22.73	≤ 1	1.0
	12	6	22.94	23.00	22.98	0	0.0
	12	12	22.78	22.73	22.77	≤ 1	1.0
	24	0	22.03	22.26	22.16		
DFT-s OFDM 16QAM	1	1	22.18	22.06	22.11	≤ 1	1.0
	1	12	22.26	22.10	22.21		
	1	22	22.12	22.02	22.09		
DFT-s OFDM 64QAM	1	1	20.59	20.59	20.57	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.69	18.54	18.52	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.63	21.57	21.53	≤ 1.5	1.5

Table 8.2.6.5 NR Conducted Power

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
5A-48A	Head	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	107	40	3 624.99	641666	0	23.21	20	22.52	40	0	22.00	22.00	21.17	21.77
5A-77A	Head	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	23.21	20	25.78	100	0	22.00	25.00	20.98	23.85
5A-77A	Head	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	23.21	20	25.75	100	0	22.00	25.00	20.93	23.57
5A-78A	Head	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	23.21	20	25.48	100	0	22.00	25.00	20.71	23.62
5A-78A	Head	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	23.21	20	25.66	100	0	22.00	25.00	20.62	23.60

Table 8.2.6.6 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n66	Maximum	24.0
	Nominal	23.0

Table 8.2.7.1 Nominal and Maximum Output Power Spec

7) NR Band n66

NR Band n66 Conducted Power– 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			349000 (1 745.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.68	0	0.0
	1	108	22.74		
	1	215	22.57		
	108	0	22.61	≤ 0.5	0.5
	108	54	22.68	0	0.0
	108	108	22.61	≤ 0.5	0.5
	216	0	21.66		
DFT-s OFDM QPSK	1	1	22.89	0	0.0
	1	108	22.99		
	1	215	22.85		
	108	0	22.64	≤ 1	1.0
	108	54	22.92	0	0.0
	108	108	22.75	≤ 1	1.0
	216	0	21.78		
DFT-s OFDM 16QAM	1	1	21.99	≤ 1	1.0
	1	108	22.02		
	1	215	21.98		
DFT-s OFDM 64QAM	1	1	20.43	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.47	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.61	≤ 1.5	1.5

Table 8.2.7.2 NR Conducted Power

Note: NR Band n66 can not contain three non-overlapping channels of 40 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n66 Conducted Power– 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			349000 (1 745.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.65	0	0.0
	1	80	22.78		
	1	160	22.71		
	81	0	22.44	≤ 0.5	0.5
	81	40	22.65	0	0.0
	81	81	22.60	≤ 0.5	0.5
	162	0	21.60		
DFT-s OFDM QPSK	1	1	22.71	0	0.0
	1	80	22.89		
	1	160	22.72		
	81	0	22.54	≤ 1	1.0
	81	40	22.67	0	0.0
	81	81	22.64	≤ 1	1.0
	162	0	21.77		
DFT-s OFDM 16QAM	1	1	21.87	≤ 1	1.0
	1	80	21.96		
	1	160	21.84		
DFT-s OFDM 64QAM	1	1	20.44	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.26	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.37	≤ 1.5	1.5

Table 8.2.7.3 NR Conducted Power

Note: NR Band n66 can not contain three non-overlapping channels of 30 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n66 Conducted Power– 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			349000 (1 745.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.61	0	0.0
	1	66	22.74		
	1	131	22.66		
	64	0	22.56	≤ 0.5	0.5
	64	32	22.70	0	0.0
	64	64	22.65	≤ 0.5	0.5
	128	0	21.61		
DFT-s OFDM QPSK	1	1	22.73	0	0.0
	1	66	22.89		
	1	131	22.71		
	64	0	22.69	≤ 1	1.0
	64	32	22.72	0	0.0
	64	64	22.72	≤ 1	1.0
	128	0	21.69		
DFT-s OFDM 16QAM	1	1	21.88	≤ 1	1.0
	1	66	21.95		
	1	131	21.79		
DFT-s OFDM 64QAM	1	1	20.45	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.41	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.33	≤ 1.5	1.5

Table 8.2.7.4 NR Conducted Power

Note: NR Band n66 can not contain three non-overlapping channels of 25 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n66 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			344000 (1 720.0 MHz)	349000 (1 745.0 MHz)	354000 (1 770.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.51	22.61	22.46	0	0.0
	1	52	22.70	22.78	22.67		
	1	104	22.54	22.68	22.58		
	50	0	22.35	22.54	22.48	≤ 0.5	0.5
	50	25	22.58	22.64	22.55	0	0.0
	50	50	22.49	22.61	22.51	≤ 0.5	0.5
	100	0	21.52	21.54	21.53		
DFT-s OFDM QPSK	1	1	22.69	22.77	22.65	0	0.0
	1	52	22.75	22.85	22.73		
	1	104	22.70	22.69	22.59		
	50	0	22.63	22.59	22.55	≤ 1	1.0
	50	25	22.72	22.75	22.62	0	0.0
	50	50	22.58	22.66	22.55	≤ 1	1.0
	100	0	21.63	21.72	21.69		
DFT-s OFDM 16QAM	1	1	21.69	21.78	21.73	≤ 1	1.0
	1	52	21.90	21.89	21.81		
	1	104	21.77	21.87	21.74		
DFT-s OFDM 64QAM	1	1	20.31	20.30	20.35	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.23	18.29	18.26	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.43	21.48	21.43	≤ 1.5	1.5

Table 8.2.7.5 NR Conducted Power

NR Band n66 Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			343500 (1 717.5 MHz)	349000 (1 745.0 MHz)	354500 (1 772.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.56	22.61	22.70	0	0.0
	1	39	22.71	22.80	22.80		
	1	76	22.61	22.57	22.60		
	36	0	22.62	22.55	22.50	≤ 0.5	0.5
	36	18	22.68	22.76	22.71	0	0.0
	36	36	22.45	22.67	22.56	≤ 0.5	0.5
	75	0	21.52	21.67	21.60		
DFT-s OFDM QPSK	1	1	22.70	22.64	22.73	0	0.0
	1	39	22.85	22.88	22.83		
	1	76	22.69	22.74	22.73		
	36	0	22.67	22.69	22.54	≤ 1	1.0
	36	18	22.79	22.82	22.82	0	0.0
	36	36	22.66	22.73	22.59	≤ 1	1.0
	75	0	21.60	21.74	21.68		
DFT-s OFDM 16QAM	1	1	21.83	21.79	21.78	≤ 1	1.0
	1	39	21.98	21.89	21.91		
	1	76	21.70	21.78	21.81		
DFT-s OFDM 64QAM	1	1	20.30	20.33	20.43	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.27	18.23	18.26	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.42	21.56	21.44	≤ 1.5	1.5

Table 8.2.7.6 NR Conducted Power

NR Band n66 Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			343000 (1 715.0 MHz)	349000 (1 745.0 MHz)	355000 (1 775.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.61	22.63	22.55	0	0.0
	1	25	22.70	22.69	22.82		
	1	49	22.60	22.62	22.59		
	25	0	22.56	22.59	22.54	≤ 0.5	0.5
	25	12	22.68	22.63	22.67	0	0.0
	25	25	22.59	22.53	22.65	≤ 0.5	0.5
	50	0	21.53	21.57	21.51		
DFT-s OFDM QPSK	1	1	22.68	22.70	22.69	0	0.0
	1	25	22.86	22.78	22.84		
	1	49	22.65	22.76	22.71		
	25	0	22.64	22.60	22.59	≤ 1	1.0
	25	12	22.80	22.71	22.73	0	0.0
	25	25	22.70	22.66	22.68	≤ 1	1.0
	50	0	21.61	21.69	21.70		
DFT-s OFDM 16QAM	1	1	21.78	21.77	21.80	≤ 1	1.0
	1	25	21.92	21.98	21.87		
	1	49	21.70	21.88	21.78		
DFT-s OFDM 64QAM	1	1	20.24	20.38	20.35	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.27	18.31	18.24	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.44	21.37	21.40	≤ 1.5	1.5

Table 8.2.7.7 NR Conducted Power

NR Band n66 Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			342500 (1 712.5 MHz)	349000 (1 745.0 MHz)	355500 (1 777.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.65	22.71	22.54	0	0.0
	1	12	22.73	22.76	22.77		
	1	22	22.69	22.61	22.46		
	12	0	22.59	22.56	22.54	≤ 0.5	0.5
	12	6	22.68	22.62	22.69	0	0.0
	12	12	22.55	22.53	22.57	≤ 0.5	0.5
	24	0	21.53	21.60	21.57		
DFT-s OFDM QPSK	1	1	22.65	22.82	22.63	0	0.0
	1	12	22.80	22.96	22.80		
	1	22	22.77	22.63	22.67		
	12	0	22.63	22.73	22.59	≤ 1	1.0
	12	6	22.79	22.84	22.71	0	0.0
	12	12	22.60	22.65	22.67	≤ 1	1.0
	24	0	21.65	21.68	21.71		
DFT-s OFDM 16QAM	1	1	21.84	21.83	21.83	≤ 1	1.0
	1	12	21.88	21.99	21.86		
	1	22	21.78	21.77	21.75		
DFT-s OFDM 64QAM	1	1	20.40	20.32	20.32	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.23	18.35	18.32	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.45	21.34	21.44	≤ 1.5	1.5

Table 8.2.7.8 NR Conducted Power

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
66A-77A	Head	DFT-s OFDM QPSK	1	107	40	1 745.0	349000	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	22.99	40	25.78	100	0	22.00	25.00	20.97	23.71
66A-77A	Head	DFT-s OFDM QPSK	1	107	40	1 745.0	349000	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	22.99	40	25.75	100	0	22.00	25.00	20.90	23.63
66A-78A	Head	DFT-s OFDM QPSK	1	107	40	1 745.0	349000	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	22.99	40	25.48	100	0	22.00	25.00	20.95	23.65
66A-78A	Head	DFT-s OFDM QPSK	1	107	40	1 745.0	349000	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	22.99	40	25.66	100	0	22.00	25.00	20.86	23.59

Table 8.2.7.9 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n25	Maximum	24.0
	Nominal	23.0

Table 8.2.8.1 Nominal and Maximum Output Power Spec

8) NR Band n25

NR Band n25 Conducted Power- 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			376500		
			(1 882.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.69	0	0.0
	1	108	22.71		
	1	215	22.49		
	108	0	22.48	≤ 0.5	0.5
	108	54	22.70	0	0.0
	108	108	22.39	≤ 0.5	0.5
	216	0	21.70		
DFT-s OFDM QPSK	1	1	22.76	0	0.0
	1	108	22.85		
	1	215	22.63		
	108	0	22.57	≤ 1	1.0
	108	54	22.81	0	0.0
	108	108	22.59	≤ 1	1.0
	216	0	21.78		
DFT-s OFDM 16QAM	1	1	21.77	≤ 1	1.0
	1	108	21.90		
	1	215	21.77		
DFT-s OFDM 64QAM	1	1	21.10	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.10	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.36	≤ 1.5	1.5

Table 8.2.8.2 NR Conducted Power

Note: NR Band n25 can not contain three non-overlapping channels of 40 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n25 Conducted Power- 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			376500		
			(1 882.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.53	0	0.0
	1	80	22.70		
	1	160	22.46		
	81	0	22.36	≤ 0.5	0.5
	81	40	22.47	0	0.0
	81	81	22.37	≤ 0.5	0.5
	162	0	21.69		
DFT-s OFDM QPSK	1	1	22.61	0	0.0
	1	80	22.75		
	1	160	22.59		
	81	0	22.44	≤ 1	1.0
	81	40	22.63	0	0.0
	81	81	22.57	≤ 1	1.0
	162	0	21.76		
DFT-s OFDM 16QAM	1	1	21.72	≤ 1	1.0
	1	80	21.78		
	1	160	21.71		
DFT-s OFDM 64QAM	1	1	21.04	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.13	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.37	≤ 1.5	1.5

Table 8.2.8.3 NR Conducted Power

Note: NR Band n25 can not contain three non-overlapping channels of 30 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n25 Conducted Power– 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			376500 (1 882.5 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.55	0	0.0
	1	66	22.74		
	1	131	22.52		
	64	0	22.47	≤ 0.5	0.5
	64	32	22.66	0	0.0
	64	64	22.51	≤ 0.5	0.5
	128	0	21.60		
DFT-s OFDM QPSK	1	1	22.63	0	0.0
	1	66	22.79		
	1	131	22.63		
	64	0	22.56	≤ 1	1.0
	64	32	22.70	0	0.0
	64	64	22.60	≤ 1	1.0
	128	0	21.75		
DFT-s OFDM 16QAM	1	1	21.69	≤ 1	1.0
	1	66	21.82		
	1	131	21.70		
DFT-s OFDM 64QAM	1	1	20.92	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.09	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.40	≤ 1.5	1.5

Table 8.2.8.4 NR Conducted Power

Note: NR Band n25 can not contain three non-overlapping channels of 25 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n25 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			372000 (1 860.0 MHz)	376500 (1 882.5 MHz)	381000 (1 905.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.46	22.49	22.47	0	0.0
	1	52	22.47	22.65	22.59		
	1	104	22.43	22.53	22.43		
	50	0	22.39	22.40	22.43	≤ 0.5	0.5
	50	25	22.43	22.51	22.44	0	0.0
	50	50	22.16	22.38	22.28	≤ 0.5	0.5
DFT-s OFDM QPSK	100	0	21.56	21.76	21.55	0	0.0
	1	1	22.55	22.53	22.67		
	1	52	22.69	22.67	22.73		
	1	104	22.47	22.64	22.56	≤ 1	1.0
	50	0	22.40	22.47	22.48	0	0.0
	50	25	22.50	22.65	22.58	≤ 1	1.0
DFT-s OFDM 16QAM	50	50	22.43	22.51	22.31	≤ 1	1.0
	100	0	21.60	21.77	21.66		
	1	1	21.60	21.59	21.72		
DFT-s OFDM 64QAM	1	52	21.71	21.77	21.81		
	1	104	21.61	21.69	21.71		
	1	1	20.71	20.93	20.68	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.04	19.02	19.00	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.32	21.56	21.20	≤ 1.5	1.5

Table 8.2.8.5 NR Conducted Power

NR Band n25 Conducted Power~ 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			371500 (1 857.5 MHz)	376500 (1 882.5 MHz)	381500 (1 907.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.36	22.58	22.44	0	0.0
	1	39	22.57	22.72	22.59		
	1	76	22.43	22.51	22.43		
	36	0	22.34	22.40	22.49	≤ 0.5	0.5
	36	18	22.50	22.60	22.55	0	0.0
	36	36	22.36	22.46	22.45	≤ 0.5	0.5
	75	0	21.57	21.62	21.59		
DFT-s OFDM QPSK	1	1	22.43	22.61	22.67	0	0.0
	1	39	22.65	22.76	22.76		
	1	76	22.48	22.57	22.60		
	36	0	22.36	22.46	22.55	≤ 1	1.0
	36	18	22.56	22.64	22.59	0	0.0
	36	36	22.47	22.56	22.49	≤ 1	1.0
	75	0	21.67	21.66	21.68		
DFT-s OFDM 16QAM	1	1	21.46	21.75	21.72	≤ 1	1.0
	1	39	21.70	21.86	21.81		
	1	76	21.59	21.62	21.67		
DFT-s OFDM 64QAM	1	1	20.72	20.88	20.80	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.05	18.95	18.92	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.26	21.41	21.50	≤ 1.5	1.5

Table 8.2.8.6 NR Conducted Power

NR Band n25 Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			371000 (1 855.0 MHz)	376500 (1 882.5 MHz)	382000 (1 910.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.41	22.48	22.47	0	0.0
	1	25	22.49	22.58	22.55		
	1	49	22.46	22.35	22.45		
	25	0	22.29	22.45	22.33	≤ 0.5	0.5
	25	12	22.44	22.56	22.48	0	0.0
	25	25	22.42	22.35	22.36	≤ 0.5	0.5
	50	0	21.53	21.70	21.58		
DFT-s OFDM QPSK	1	1	22.53	22.50	22.56	0	0.0
	1	25	22.54	22.66	22.65		
	1	49	22.52	22.46	22.60		
	25	0	22.40	22.53	22.48	≤ 1	1.0
	25	12	22.50	22.62	22.50	0	0.0
	25	25	22.48	22.46	22.43	≤ 1	1.0
	50	0	21.62	21.77	21.64		
DFT-s OFDM 16QAM	1	1	21.61	21.68	21.63	≤ 1	1.0
	1	25	21.71	21.87	21.72		
	1	49	21.58	21.67	21.71		
DFT-s OFDM 64QAM	1	1	20.73	20.97	20.86	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.06	18.91	19.06	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.40	21.48	21.26	≤ 1.5	1.5

Table 8.2.8.7 NR Conducted Power

NR Band n25 Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			370500 (1 852.5 MHz)	376500 (1 882.5 MHz)	382500 (1 912.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.48	22.50	22.57	0	0.0
	1	12	22.57	22.65	22.68		
	1	22	22.50	22.53	22.49		
	12	0	22.44	22.46	22.51	≤ 0.5	0.5
	12	6	22.50	22.57	22.59	0	0.0
	12	12	22.38	22.34	22.42	≤ 0.5	0.5
	24	0	21.56	21.62	21.59		
DFT-s OFDM QPSK	1	1	22.55	22.52	22.67	0	0.0
	1	12	22.71	22.73	22.75		
	1	22	22.65	22.54	22.62		
	12	0	22.51	22.54	22.59	≤ 1	1.0
	12	6	22.57	22.59	22.73	0	0.0
	12	12	22.45	22.51	22.69	≤ 1	1.0
	24	0	21.72	21.73	21.69		
DFT-s OFDM 16QAM	1	1	21.61	21.71	21.74	≤ 1	1.0
	1	12	21.79	21.76	21.76		
	1	22	21.68	21.66	21.65		
DFT-s OFDM 64QAM	1	1	20.62	21.00	20.70	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.03	19.02	18.96	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.33	21.35	21.62	≤ 1.5	1.5

Table 8.2.8.8 NR Conducted Power

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
25A-48A	Head	DFT-s OFDM QPSK	1	107	40	1 882.5	376500	DFT-s OFDM QPSK	1	107	40	3 624.99	641666	0	22.85	40	22.52	40	0	22.00	22.00	21.05	21.72
25A-77A	Head	DFT-s OFDM QPSK	1	107	40	1 882.5	376500	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	22.85	40	25.78	100	0	22.00	25.00	20.85	23.66
25A-77A	Head	DFT-s OFDM QPSK	1	107	40	1 882.5	376500	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	22.85	40	25.75	100	0	22.00	25.00	20.75	23.63
25A-78A	Head	DFT-s OFDM QPSK	1	107	40	1 882.5	376500	DFT-s OFDM QPSK	1	136	100	3 750.00	650000	0	22.85	40	25.48	100	0	22.00	25.00	20.71	23.49
25A-78A	Head	DFT-s OFDM QPSK	1	107	40	1 882.5	376500	DFT-s OFDM QPSK	1	136	100	3 500.01	633334	0	22.85	40	25.66	100	0	22.00	25.00	20.61	23.47

Table 8.2.8.9 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n2	Maximum	24.0
	Nominal	23.0

Table 8.2.9.1 Nominal and Maximum Output Power Spec

9) NR Band n2

NR Band n2 Conducted Power– 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			376000 (1 880.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.34	0	0.0
	1	108	22.38		
	1	215	21.41		
	108	0	19.95	≤ 0.5	0.5
	108	54	17.98	0	0.0
	108	108	20.89	≤ 0.5	0.5
	216	0	22.34		
DFT-s OFDM QPSK	1	1	22.38	0	0.0
	1	108	21.41		
	1	215	19.95		
	108	0	17.98	≤ 1	1.0
	108	54	20.89	0	0.0
	108	108	22.34	≤ 1	1.0
	216	0	22.38		
DFT-s OFDM 16QAM	1	1	21.41	≤ 1	1.0
	1	108	19.95		
	1	215	17.98		
DFT-s OFDM 64QAM	1	1	20.89	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	22.34	≤ 4.5	4.5
CP OFDM QPSK	1	1	22.38	≤ 1.5	1.5

Table 8.2.9.2 NR Conducted Power

Note: NR Band n2 can not contain three non-overlapping channels of 40 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n2 Conducted Power– 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			376000 (1 880.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.07	0	0.0
	1	80	22.25		
	1	160	21.37		
	81	0	19.92	≤ 0.5	0.5
	81	40	17.81	0	0.0
	81	81	20.81	≤ 0.5	0.5
	162	0	22.07		
DFT-s OFDM QPSK	1	1	22.25	0	0.0
	1	80	21.37		
	1	160	19.92		
	81	0	17.81	≤ 1	1.0
	81	40	20.81	0	0.0
	81	81	22.07	≤ 1	1.0
	162	0	22.25		
DFT-s OFDM 16QAM	1	1	21.37	≤ 1	1.0
	1	80	19.92		
	1	160	17.81		
DFT-s OFDM 64QAM	1	1	20.81	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	22.07	≤ 4.5	4.5
CP OFDM QPSK	1	1	22.25	≤ 1.5	1.5

Table 8.2.9.3 NR Conducted Power

Note: NR Band n2 can not contain three non-overlapping channels of 30 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n2 Conducted Power– 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			376000 (1 880.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.23	0	0.0
	1	66	22.23		
	1	131	21.40		
	64	0	19.92	≤ 0.5	0.5
	64	32	18.41	0	0.0
	64	64	20.81	≤ 0.5	0.5
	128	0	22.23		
DFT-s OFDM QPSK	1	1	22.23	0	0.0
	1	66	21.40		
	1	131	19.92		
	64	0	18.41	≤ 1	1.0
	64	32	20.81	0	0.0
	64	64	22.23	≤ 1	1.0
	128	0	22.23		
DFT-s OFDM 16QAM	1	1	21.40	≤ 1	1.0
	1	66	19.92		
	1	131	18.41		
DFT-s OFDM 64QAM	1	1	20.81	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	22.23	≤ 4.5	4.5
CP OFDM QPSK	1	1	22.23	≤ 1.5	1.5

Table 8.2.9.4 NR Conducted Power

Note: NR Band n2 can not contain three non-overlapping channels of 25 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

NR Band n2 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			372000 (1 860.0 MHz)	376000 (1 880.0 MHz)	380000 (1 900.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.10	22.17	22.11	0	0.0
	1	52	22.19	22.28	22.15		
	1	104	21.24	21.44	21.36		
	50	0	19.85	19.86	19.83	≤ 0.5	0.5
	50	25	17.80	17.91	17.83	0	0.0
	50	50	20.89	21.00	20.91	≤ 0.5	0.5
	100	0	22.16	22.30	22.20		
DFT-s OFDM QPSK	1	1	22.36	22.36	22.29	0	0.0
	1	52	21.39	21.51	21.35		
	1	104	19.91	20.00	19.82		
	50	0	17.94	18.14	17.93	≤ 1	1.0
	50	25	20.93	21.01	20.90	0	0.0
	50	50	22.10	22.36	22.15	≤ 1	1.0
	100	0	22.26	22.46	22.20		
DFT-s OFDM 16QAM	1	1	21.46	21.53	21.38	≤ 1	1.0
	1	52	19.95	20.04	19.88		
	1	104	18.04	18.09	18.06		
DFT-s OFDM 64QAM	1	1	20.99	21.11	21.07	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	22.10	22.17	22.11	≤ 4.5	4.5
CP OFDM QPSK	1	1	22.19	22.28	22.15	≤ 1.5	1.5

Table 8.2.9.5 NR Conducted Power