

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

Table 8.3.13-1.1 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	22.54	22.60	22.61	22.60	22.60	≤ 1	0
	1	50	22.53	22.55	22.49	22.56	22.52		
	1	99	22.48	22.56	22.55	22.45	22.45		
	50	0	21.59	21.65	21.79	21.67	21.74		1
	50	25	21.54	21.54	21.72	21.62	21.64		
	50	50	21.54	21.55	21.62	21.57	21.60		
	100	0	21.52	21.55	21.73	21.56	21.61		1
16QAM	1	0	21.63	21.62	21.66	21.63	21.62	≤ 1	1
	1	50	21.57	21.52	21.57	21.51	21.54		
	1	99	21.53	21.61	21.62	21.53	21.53		
	50	0	20.57	20.66	20.83	20.67	20.70	≤ 2	2
	50	25	20.55	20.65	20.76	20.55	20.64		
	50	50	20.49	20.54	20.74	20.54	20.59		
	100	0	21.52	20.46	20.71	20.62	20.58		2
64QAM	1	0	20.62	20.57	20.69	20.60	20.65	≤ 2	2
	1	50	20.59	20.56	20.65	20.58	20.58		
	1	99	20.58	20.56	20.52	20.49	20.51		
	50	0	19.75	19.64	19.93	19.66	19.74	≤ 3	3
	50	25	19.50	19.57	19.84	19.58	19.62		
	50	50	19.63	19.54	19.79	19.64	19.64		
	100	0	19.61	19.54	19.67	19.52	19.58		3
256QAM	1	0	17.64	17.57	17.64	17.67	17.59	≤ 5	5
	1	50	17.60	17.52	17.56	17.59	17.51		
	1	99	17.55	17.55	17.54	17.51	17.50		
	50	0	17.63	17.60	17.86	17.70	17.70	≤ 5	5
	50	25	17.53	17.53	17.80	17.61	17.60		
	50	50	17.55	17.49	17.70	17.63	17.67		
	100	0	17.52	17.49	17.74	17.52	17.53		5

Table 8.3.13-1.2 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	22.60	22.60	22.59	22.58	22.54	≤ 1	0
	1	36	22.60	22.55	22.59	22.54	22.50		
	1	74	22.56	22.57	22.59	22.52	22.51		
	36	0	21.69	21.65	21.59	21.68	21.68		1
	36	18	21.63	21.58	21.55	21.57	21.62		
	36	37	21.50	21.54	21.57	21.51	21.48		
	75	0	21.69	21.59	21.72	21.65	21.64		1
16QAM	1	0	21.66	21.71	21.74	21.69	21.66	≤ 1	1
	1	36	21.61	21.64	21.71	21.67	21.62		
	1	74	21.64	21.65	21.63	21.62	21.60		
	36	0	20.71	20.74	20.57	20.67	20.74	≤ 2	2
	36	18	20.59	20.73	20.56	20.67	20.52		
	36	37	20.56	20.66	20.51	20.63	20.62		
	75	0	21.69	20.71	20.72	20.65	20.66		2
64QAM	1	0	20.74	20.65	20.78	20.62	20.67	≤ 2	2
	1	36	20.69	20.61	20.66	20.60	20.66		
	1	74	20.58	20.58	20.65	20.54	20.66		
	36	0	19.70	19.72	19.65	19.59	19.67	≤ 3	3
	36	18	19.51	19.64	19.54	19.52	19.54		
	36	37	19.50	19.64	19.57	19.51	19.60		
	75	0	19.67	19.74	19.69	19.67	19.63		3
256QAM	1	0	17.76	17.74	17.72	17.60	17.69	≤ 5	5
	1	36	17.72	17.70	17.70	17.55	17.68		
	1	74	17.72	17.67	17.70	17.59	17.62		
	36	0	17.82	17.80	17.58	17.71	17.71	≤ 5	5
	36	18	17.65	17.69	17.55	17.66	17.58		
	36	37	17.55	17.72	17.53	17.61	17.65		
	75	0	17.80	17.74	17.64	17.60	17.62		≤ 5

Table 8.3.13-1.3 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	22.61	22.61	22.61	22.59	22.60	≤ 1	0
	1	25	22.58	22.57	22.59	22.54	22.60		
	1	49	22.53	22.55	22.47	22.48	22.49		
	25	0	21.73	21.71	21.79	21.77	21.75		1
	25	12	21.66	21.61	21.67	21.69	21.74		
	25	25	21.67	21.66	21.72	21.67	21.67		
	50	0	21.67	21.54	21.60	21.59	21.65		1
16QAM	1	0	21.77	21.73	21.75	21.69	21.71	≤ 1	1
	1	25	21.68	21.64	21.74	21.63	21.63		
	1	49	21.71	21.66	21.63	21.65	21.67		
	25	0	20.80	20.86	20.87	20.80	20.79	≤ 2	2
	25	12	20.73	20.75	20.79	20.63	20.66		
	25	25	20.72	20.81	20.61	20.62	20.77		
	50	0	21.67	20.72	20.75	20.66	20.79	2	
64QAM	1	0	20.74	20.75	20.74	20.67	20.71	≤ 2	2
	1	25	20.71	20.61	20.70	20.59	20.64		
	1	49	20.61	20.65	20.63	20.55	20.64		
	25	0	19.78	19.83	19.79	19.73	19.76	≤ 3	3
	25	12	19.64	19.65	19.66	19.67	19.65		
	25	25	19.76	19.70	19.61	19.69	19.70		
	50	0	19.80	19.58	19.78	19.67	19.68	3	
256QAM	1	0	17.66	17.71	17.79	17.71	17.69	≤ 5	5
	1	25	17.63	17.69	17.66	17.69	17.66		
	1	49	17.53	17.67	17.57	17.58	17.64		
	25	0	17.83	17.74	17.74	17.72	17.77	≤ 5	5
	25	12	17.71	17.60	17.64	17.61	17.60		
	25	25	17.78	17.71	17.61	17.60	17.71		
	50	0	17.61	17.71	17.76	17.74	17.71	≤ 5	5

Table 8.3.13-1.4 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	22.58	22.59	22.59	22.61	22.60	≤ 1	0
	1	12	22.53	22.51	22.56	22.59	22.51		
	1	24	22.55	22.51	22.56	22.54	22.58		
	12	0	21.68	21.78	21.62	21.74	21.78		1
	12	6	21.61	21.74	21.54	21.63	21.62		
	12	13	21.66	21.60	21.58	21.71	21.62		
	25	0	21.61	21.67	21.61	21.57	21.61		1
16QAM	1	0	21.77	21.73	21.70	21.80	21.75	≤ 1	1
	1	12	21.68	21.57	21.69	21.79	21.63		
	1	24	21.73	21.63	21.56	21.72	21.70		
	12	0	20.78	20.74	20.73	20.84	20.81	≤ 2	2
	12	6	20.68	20.60	20.63	20.57	20.58		
	12	13	20.64	20.60	20.55	20.78	20.70		
	25	0	21.61	20.64	20.67	20.63	20.69	2	
64QAM	1	0	20.75	20.69	20.76	20.74	20.80	≤ 2	2
	1	12	20.63	20.62	20.72	20.68	20.62		
	1	24	20.62	20.61	20.56	20.56	20.60		
	12	0	19.72	19.83	19.80	19.81	19.72	≤ 3	3
	12	6	19.60	19.71	19.73	19.60	19.51		
	12	13	19.67	19.69	19.54	19.68	19.64		
	25	0	19.67	19.66	19.79	19.61	19.66	3	
256QAM	1	0	17.78	17.73	17.76	17.79	17.70	≤ 5	5
	1	12	17.58	17.67	17.73	17.71	17.62		
	1	24	17.74	17.68	17.62	17.59	17.56		
	12	0	17.86	17.69	17.81	17.73	17.72	≤ 5	5
	12	6	17.73	17.60	17.71	17.65	17.44		
	12	13	17.82	17.66	17.53	17.71	17.69		
	25	0	17.62	17.67	17.77	17.67	17.60	≤ 5	5

Table 8.3.13-1.5 LTE Conducted Power

8.4 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 8.4.1.1 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	22.84	0	0.0
	1	52	22.87		
	1	104	22.78		
	50	0	22.71	≤ 0.5	0.5
	50	25	22.87	0	0.0
	50	50	22.63	≤ 0.5	0.5
	100	0	22.40		
DFT-s OFDM QPSK	1	1	22.90	0	0.0
	1	52	22.93		
	1	104	22.89		
	50	0	22.77	≤ 1	1.0
	50	25	22.92	0	0.0
	50	50	22.72	≤ 1	1.0
	100	0	22.48		
DFT-s OFDM 16QAM	1	1	22.12	≤ 1	1.0
	1	52	22.56		
	1	104	22.42		
DFT-s OFDM 64QAM	1	1	20.51	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.42	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.58	≤ 1.5	1.5

Table 8.4.1.2 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	22.76	0	0.0
	1	39	22.85		
	1	76	22.62		
	36	0	22.69	≤ 0.5	0.5
	36	18	22.74	0	0.0
	36	36	22.69	≤ 0.5	0.5
	75	0	22.32		
DFT-s OFDM QPSK	1	1	22.80	0	0.0
	1	39	22.88		
	1	76	22.84		
	36	0	22.70	≤ 1	1.0
	36	18	22.81	0	0.0
	36	36	22.77	≤ 1	1.0
	75	0	22.44		
DFT-s OFDM 16QAM	1	1	21.99	≤ 1	1.0
	1	39	22.34		
	1	76	22.22		
DFT-s OFDM 64QAM	1	1	20.36	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.50	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.50	≤ 1.5	1.5

Table 8.4.1.3 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	22.61	22.74	22.72	0	0.0
	1	25	22.67	22.80	22.87		
	1	49	22.65	22.61	22.64		
	25	0	22.60	22.66	22.47	≤ 0.5	0.5
	25	12	22.64	22.68	22.71	0	0.0
	25	25	22.52	22.57	22.50	≤ 0.5	0.5
	50	0	22.20	22.14	22.21		
DFT-s OFDM QPSK	1	1	22.73	22.84	22.80	0	0.0
	1	25	22.79	22.85	22.87		
	1	49	22.78	22.80	22.70		
	25	0	22.63	22.75	22.64	≤ 1	1.0
	25	12	22.75	22.81	22.85	0	0.0
	25	25	22.68	22.79	22.57	≤ 1	1.0
	50	0	22.34	22.31	22.38		
DFT-s OFDM 16QAM	1	1	21.86	21.92	21.96	≤ 1	1.0
	1	25	22.44	22.44	22.30		
	1	49	22.34	21.89	21.85		
DFT-s OFDM 64QAM	1	1	20.47	20.42	20.40	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.28	18.42	18.37	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.53	21.48	21.42	≤ 1.5	1.5

Table 8.4.1.4 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	22.63	22.71	22.59	0	0.0
	1	12	22.78	22.84	22.70		
	1	22	22.63	22.80	22.62		
	12	0	22.71	22.68	22.61	≤ 0.5	0.5
	12	6	22.73	22.73	22.67	0	0.0
	12	12	22.52	22.60	22.65	≤ 0.5	0.5
	24	0	22.19	22.16	22.25		
DFT-s OFDM QPSK	1	1	22.82	22.80	22.80	0	0.0
	1	12	22.84	22.91	22.88		
	1	22	22.82	22.87	22.67		
	12	0	22.77	22.85	22.81	≤ 1	1.0
	12	6	22.80	22.87	22.83	0	0.0
	12	12	22.69	22.71	22.70	≤ 1	1.0
	24	0	22.20	22.32	22.41		
DFT-s OFDM 16QAM	1	1	22.32	22.00	22.00	≤ 1	1.0
	1	12	22.47	22.30	22.23		
	1	22	22.40	21.90	21.75		
DFT-s OFDM 64QAM	1	1	20.47	20.31	20.38	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.39	18.38	18.50	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.37	21.56	21.45	≤ 1.5	1.5

Table 8.4.1.5 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
71A-77A	Body	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.93	20	25.68	100	0	22.00	25.00	20.83	23.59
71A-77A	Body	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.93	20	25.65	100	0	22.00	25.00	20.76	23.36
71A-78A	Body	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.93	20	25.52	100	0	22.00	25.00	20.82	23.51
71A-78A	Body	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.93	20	25.56	100	0	22.00	25.00	20.80	23.43

Table 8.4.1.6 NR Conducted Power

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

Table 8.4.2.1 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	22.57	0	0.0
	1	39	22.72		
	1	76	22.56		
	36	0	22.61	≤ 0.5	0.5
	36	18	22.56	0	0.0
	36	36	22.57	≤ 0.5	0.5
	75	0	21.63		
DFT-s OFDM QPSK	1	1	22.59	0	0.0
	1	39	22.87		
	1	76	22.73		
	36	0	22.65	≤ 1	1.0
	36	18	22.85	0	0.0
	36	36	22.64	≤ 1	1.0
	75	0	21.84		
DFT-s OFDM 16QAM	1	1	21.87	≤ 1	1.0
	1	39	22.00		
	1	76	21.84		
DFT-s OFDM 64QAM	1	1	20.22	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.29	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.62	≤ 1.5	1.5

Table 8.4.2.2 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	22.33	0	0.0
	1	25	22.67		
	1	49	22.42		
	25	0	22.37	≤ 0.5	0.5
	25	12	22.52	0	0.0
	25	25	22.45	≤ 0.5	0.5
	50	0	21.68		
DFT-s OFDM QPSK	1	1	22.38	0	0.0
	1	25	22.68		
	1	49	22.62		
	25	0	22.45	≤ 1	1.0
	25	12	22.55	0	0.0
	25	25	22.49	≤ 1	1.0
	50	0	21.72		
DFT-s OFDM 16QAM	1	1	21.62	≤ 1	1.0
	1	25	21.71		
	1	49	21.67		
DFT-s OFDM 64QAM	1	1	20.38	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.19	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.94	≤ 1.5	1.5

Table 8.4.2.3 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	22.25	22.40	22.17	0	0.0
	1	12	22.46	22.47	22.32		
	1	22	22.23	22.42	22.21		
	12	0	22.11	22.39	22.17	≤ 0.5	0.5
	12	6	22.30	22.41	22.25	0	0.0
	12	12	22.23	22.26	22.19	≤ 0.5	0.5
24	0	21.65	21.56	21.68			
DFT-s OFDM QPSK	1	1	22.44	22.52	22.39	0	0.0
	1	12	22.54	22.66	22.45		
	1	22	22.53	22.43	22.24		
	12	0	22.36	22.42	22.19	≤ 1	1.0
	12	6	22.50	22.49	22.29	0	0.0
	12	12	22.41	22.30	22.19	≤ 1	1.0
24	0	21.76	21.71	21.70			
DFT-s OFDM 16QAM	1	1	21.54	21.72	21.65	≤ 1	1.0
	1	12	21.72	21.80	21.73		
	1	22	21.56	21.57	21.44		
DFT-s OFDM 64QAM	1	1	20.08	20.07	19.99	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.02	18.18	18.09	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.04	21.10	21.39	≤ 1.5	1.5

Table 8.4.2.4 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
12A-77A	Body	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.87	15	25.68	100	0	22.00	25.00	20.85	23.69
12A-77A	Body	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.87	15	25.65	100	0	22.00	25.00	20.63	23.48
12A-78A	Body	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.87	15	25.52	100	0	22.00	25.00	20.76	23.68
12A-78A	Body	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.87	15	25.56	100	0	22.00	25.00	20.67	23.58

Table 8.4.2.5 NR Conducted Power

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

Table 8.4.3.1 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	23.01	0	0.0
	1	25	23.18		
	1	49	23.14		
	25	0	22.74	≤ 0.5	0.5
	25	12	22.96	0	0.0
	25	25	22.77	≤ 0.5	0.5
	50	0	22.02		
DFT-s OFDM QPSK	1	1	23.14	0	0.0
	1	25	23.19		
	1	49	23.15		
	25	0	22.89	≤ 1	1.0
	25	12	23.17	0	0.0
	25	25	22.98	≤ 1	1.0
	50	0	22.06		
DFT-s OFDM 16QAM	1	1	22.19	≤ 1	1.0
	1	25	22.21		
	1	49	22.15		
DFT-s OFDM 64QAM	1	1	20.65	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.66	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.65	≤ 1.5	1.5

Table 8.4.3.2 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	22.80	0	0.0
	1	12	22.96		
	1	22	22.90		
	12	0	22.64	≤ 0.5	0.5
	12	6	22.88	0	0.0
	12	12	22.79	≤ 0.5	0.5
	24	0	21.87		
DFT-s OFDM QPSK	1	1	22.92	0	0.0
	1	12	23.01		
	1	22	22.93		
	12	0	22.79	≤ 1	1.0
	12	6	23.00	0	0.0
	12	12	22.86	≤ 1	1.0
	24	0	22.04		
DFT-s OFDM 16QAM	1	1	22.10	≤ 1	1.0
	1	12	22.16		
	1	22	22.13		
DFT-s OFDM 64QAM	1	1	20.47	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.49	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.53	≤ 1.5	1.5

Table 8.4.3.3 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	
		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	Body	DFT-s OFDM QPSK	1	25	10	782.0	156400	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	23.19	10	25.68	100	0	22.00	25.00	21.03	23.67
13A-77A	Body	DFT-s OFDM QPSK	1	25	10	782.0	156400	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.19	10	25.65	100	0	22.00	25.00	20.94	23.65

Table 8.4.3.4 NR Conducted Power

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

Table 8.4.4.1 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	22.96	0	0.0
	1	25	23.01		
	1	49	22.86		
	25	0	22.84	≤ 0.5	0.5
	25	12	23.00	0	0.0
	25	25	22.98	≤ 0.5	0.5
	50	0	21.99		
DFT-s OFDM QPSK	1	1	22.97	0	0.0
	1	25	23.14		
	1	49	23.01		
	25	0	22.89	≤ 1	1.0
	25	12	23.04	0	0.0
	25	25	22.98	≤ 1	1.0
	50	0	22.01		
DFT-s OFDM 16QAM	1	1	22.11	≤ 1	1.0
	1	25	22.29		
	1	49	22.03		
DFT-s OFDM 64QAM	1	1	20.65	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.61	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.56	≤ 1.5	1.5

Table 8.4.4.2 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	22.80		
	1	22	22.78		
	12	0	22.48	≤ 0.5	0.5
	12	6	22.64	0	0.0
	12	12	22.60	≤ 0.5	0.5
	24	0	21.87		
DFT-s OFDM QPSK	1	1	22.75	0	0.0
	1	12	22.87		
	1	22	22.80		
	12	0	22.59	≤ 1	1.0
	12	6	22.74	0	0.0
	12	12	22.60	≤ 1	1.0
	24	0	21.99		
DFT-s OFDM 16QAM	1	1	22.18	≤ 1	1.0
	1	12	22.23		
	1	22	22.06		
DFT-s OFDM 64QAM	1	1	20.49	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.35	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.37	≤ 1.5	1.5

Table 8.4.4.3NR 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	
		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	Body	DFT-s OFDM QPSK	1	25	10	793.0	158600	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	23.14	10	25.68	100	0	22.00	25.00	21.16	23.64
14A-77A	Body	DFT-s OFDM QPSK	1	25	10	793.0	158600	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.14	10	25.65	100	0	22.00	25.00	21.07	23.54

Table 8.4.4.4 NR Conducted Power

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

Table 8.4.5.1 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	22.63	0	0.0
	1	52	22.69		
	1	104	22.66		
	50	0	21.76	≤ 0.5	0.5
	50	25	22.54	0	0.0
	50	50	21.88	≤ 0.5	0.5
	100	0	21.54		
DFT-s OFDM QPSK	1	1	22.76	0	0.0
	1	52	22.86		
	1	104	22.73		
	50	0	21.89	≤ 1	1.0
	50	25	22.78	0	0.0
	50	50	22.02	≤ 1	1.0
	100	0	21.66		
DFT-s OFDM 16QAM	1	1	21.95	≤ 1	1.0
	1	52	22.11		
	1	104	21.96		
DFT-s OFDM 64QAM	1	1	21.33	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.24	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.47	≤ 1.5	1.5

Table 8.4.5.2 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	22.41	0	0.0
	1	39	22.73		
	1	76	22.65		
	36	0	21.81	≤ 0.5	0.5
	36	18	22.54	0	0.0
	36	36	21.72	≤ 0.5	0.5
	75	0	21.46		
DFT-s OFDM QPSK	1	1	22.62	0	0.0
	1	39	22.79		
	1	76	22.69		
	36	0	21.85	≤ 1	1.0
	36	18	22.60	0	0.0
	36	36	21.84	≤ 1	1.0
	75	0	21.53		
DFT-s OFDM 16QAM	1	1	21.84	≤ 1	1.0
	1	39	22.02		
	1	76	21.92		
DFT-s OFDM 64QAM	1	1	21.30	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.24	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.41	≤ 1.5	1.5

Table 8.4.5.3 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	22.44	0	0.0
	1	25	22.68		
	1	49	22.62		
	25	0	21.74	≤ 0.5	0.5
	25	12	22.50	0	0.0
	25	25	21.80	≤ 0.5	0.5
	50	0	21.38		
DFT-s OFDM QPSK	1	1	22.53	0	0.0
	1	25	22.83		
	1	49	22.65		
	25	0	21.81	≤ 1	1.0
	25	12	22.55	0	0.0
	25	25	21.91	≤ 1	1.0
	50	0	21.51		
DFT-s OFDM 16QAM	1	1	21.91	≤ 1	1.0
	1	25	21.93		
	1	49	21.81		
DFT-s OFDM 64QAM	1	1	21.15	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.14	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.51	≤ 1.5	1.5

Table 8.4.5.4 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	22.44	22.57	22.31	0	0.0
	1	12	22.48	22.66	22.54		
	1	22	22.44	22.56	22.48		
	12	0	21.60	21.74	21.79	≤ 0.5	0.5
	12	6	22.32	22.46	22.51	0	0.0
	12	12	21.69	21.81	21.77	≤ 0.5	0.5
	24	0	21.43	21.42	21.40		
DFT-s OFDM QPSK	1	1	22.47	22.63	22.56	0	0.0
	1	12	22.59	22.68	22.70		
	1	22	22.50	22.57	22.65		
	12	0	21.73	21.78	21.86	≤ 1	1.0
	12	6	22.55	22.61	22.59	0	0.0
	12	12	21.76	21.88	21.94	≤ 1	1.0
	24	0	21.52	21.63	21.55		
DFT-s OFDM 16QAM	1	1	21.65	21.82	21.63	≤ 1	1.0
	1	12	21.84	21.99	21.74		
	1	22	21.71	21.90	21.66		
DFT-s OFDM 64QAM	1	1	21.26	21.21	21.26	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.22	19.16	19.23	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.24	21.36	21.32	≤ 1.5	1.5

Table 8.4.5.5 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune- Up Limit	Tune- Up Limit	CA Power	CA Power
26A-77A	Body	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.86	20	25.68	100	0	22.00	25.00	20.68	23.51
26A-77A	Body	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.86	20	25.65	100	0	22.00	25.00	20.70	23.57
26A-78A	Body	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.86	20	25.52	100	0	22.00	25.00	20.64	23.42
26A-78A	Body	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.86	20	25.56	100	0	22.00	25.00	20.73	23.58

Table 8.4.5.6 NR Conducted Power

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

Table 8.4.6.1 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	23.02	0	0.0
	1	52	23.14		
	1	104	23.11		
	50	0	22.94	≤ 0.5	0.5
	50	25	22.96	0	0.0
	50	50	22.80	≤ 0.5	0.5
	100	0	22.21		
DFT-s OFDM QPSK	1	1	23.20	0	0.0
	1	52	23.29		
	1	104	23.18		
	50	0	22.98	≤ 1	1.0
	50	25	23.17	0	0.0
	50	50	22.82	≤ 1	1.0
	100	0	22.29		
DFT-s OFDM 16QAM	1	1	22.21	≤ 1	1.0
	1	52	22.31		
	1	104	22.20		
DFT-s OFDM 64QAM	1	1	20.71	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.77	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.77	≤ 1.5	1.5

Table 8.4.6.2 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	22.95	0	0.0
	1	39	23.15		
	1	76	22.90		
	36	0	22.69	≤ 0.5	0.5
	36	18	22.89	0	0.0
	36	36	22.77	≤ 0.5	0.5
	75	0	22.15		
DFT-s OFDM QPSK	1	1	23.02	0	0.0
	1	39	23.25		
	1	76	22.98		
	36	0	22.82	≤ 1	1.0
	36	18	23.08	0	0.0
	36	36	22.79	≤ 1	1.0
	75	0	22.24		
DFT-s OFDM 16QAM	1	1	22.24	≤ 1	1.0
	1	39	22.31		
	1	76	22.12		
DFT-s OFDM 64QAM	1	1	20.53	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.74	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.75	≤ 1.5	1.5

Table 8.4.6.3 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	22.98	0	0.0
	1	25	23.02		
	1	49	22.92		
	25	0	22.74	≤ 0.5	0.5
	25	12	23.00	0	0.0
	25	25	22.78	≤ 0.5	0.5
	50	0	22.10		
DFT-s OFDM QPSK	1	1	23.06	0	0.0
	1	25	23.22		
	1	49	22.96		
	25	0	22.77	≤ 1	1.0
	25	12	23.08	0	0.0
	25	25	22.80	≤ 1	1.0
	50	0	22.28		
DFT-s OFDM 16QAM	1	1	22.09	≤ 1	1.0
	1	25	22.26		
	1	49	22.17		
DFT-s OFDM 64QAM	1	1	20.77	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.77	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.74	≤ 1.5	1.5

Table 8.4.6.4 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 $\pi/2$ BPSK	1	1	22.84	22.91	23.00	0	0.0
	1	12	23.05	23.10	23.02		
	1	22	22.77	23.05	22.89		
	12	0	22.77	22.83	22.79	≤ 0.5	0.5
	12	6	22.92	23.00	22.89	0	0.0
	12	12	22.72	22.77	22.81	≤ 0.5	0.5
	24	0	22.03	22.25	22.17		
DFT-s OFDM QPSK	1	1	23.09	23.03	23.07	0	0.0
	1	12	23.25	23.14	23.12		
	1	22	23.00	23.10	23.05		
	12	0	22.90	22.91	22.82	≤ 1	1.0
	12	6	23.03	23.03	23.03	0	0.0
	12	12	22.85	22.81	22.85	≤ 1	1.0
	24	0	22.13	22.28	22.21		
DFT-s OFDM 16QAM	1	1	22.20	22.17	22.20	≤ 1	1.0
	1	12	22.28	22.18	22.26		
	1	22	22.17	22.10	22.12		
DFT-s OFDM 64QAM	1	1	20.64	20.69	20.64	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.74	18.53	18.58	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.70	21.62	21.59	≤ 1.5	1.5

Table 8.4.6.5 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
5A-77A	Body	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	23.29	20	25.68	100	0	22.00	25.00	20.88	23.63
5A-77A	Body	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.29	20	25.65	100	0	22.00	25.00	20.64	23.47
5A-78A	Body	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	23.29	20	25.52	100	0	22.00	25.00	20.84	23.60
5A-78A	Body	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.29	20	25.56	100	0	22.00	25.00	20.69	23.57

Table 8.4.6.6 NR Conducted Power

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

Table 8.4.7.1 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	22.70	0	0.0
	1	108	22.82		
	1	215	22.67		
	108	0	22.72	≤ 0.5	0.5
	108	54	22.77	0	0.0
	108	108	22.68	≤ 0.5	0.5
	216	0	21.72		
DFT-s OFDM QPSK	1	1	22.96	0	0.0
	1	108	23.01		
	1	215	22.93		
	108	0	22.73	≤ 1	1.0
	108	54	22.97	0	0.0
	108	108	22.79	≤ 1	1.0
	216	0	21.81		
DFT-s OFDM 16QAM	1	1	22.00	≤ 1	1.0
	1	108	22.05		
	1	215	22.03		
DFT-s OFDM 64QAM	1	1	20.48	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.53	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.65	≤ 1.5	1.5

Table 8.4.7.2 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	22.73	0	0.0
	1	80	22.82		
	1	160	22.75		
	81	0	22.54	≤ 0.5	0.5
	81	40	22.75	0	0.0
	81	81	22.66	≤ 0.5	0.5
	162	0	21.67		
DFT-s OFDM QPSK	1	1	22.75	0	0.0
	1	80	22.93		
	1	160	22.80		
	81	0	22.64	≤ 1	1.0
	81	40	22.77	0	0.0
	81	81	22.70	≤ 1	1.0
	162	0	21.79		
DFT-s OFDM 16QAM	1	1	21.91	≤ 1	1.0
	1	80	21.97		
	1	160	21.94		
DFT-s OFDM 64QAM	1	1	20.49	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.36	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.44	≤ 1.5	1.5

Table 8.4.7.3 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	22.66	0	0.0
	1	66	22.75		
	1	131	22.71		
	64	0	22.65	≤ 0.5	0.5
	64	32	22.71	0	0.0
	64	64	22.69	≤ 0.5	0.5
	128	0	21.65		
DFT-s OFDM QPSK	1	1	22.80	0	0.0
	1	66	22.93		
	1	131	22.73		
	64	0	22.74	≤ 1	1.0
	64	32	22.76	0	0.0
	64	64	22.75	≤ 1	1.0
	128	0	21.72		
DFT-s OFDM 16QAM	1	1	21.96	≤ 1	1.0
	1	66	21.98		
	1	131	21.81		
DFT-s OFDM 64QAM	1	1	20.48	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.46	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.42	≤ 1.5	1.5

Table 8.4.7.4 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 π/2 BPSK	1	1	22.57	22.68	22.55	0	0.0
	1	52	22.74	22.79	22.71		
	1	104	22.64	22.73	22.62		
	50	0	22.45	22.65	22.61	≤ 0.5	0.5
	50	25	22.65	22.69	22.67	0	0.0
	50	50	22.59	22.63	22.59	≤ 0.5	0.5
	100	0	21.58	21.63	21.52		
DFT-s OFDM QPSK	1	1	22.72	22.79	22.72	0	0.0
	1	52	22.80	22.89	22.77		
	1	104	22.73	22.77	22.68		
	50	0	22.65	22.67	22.65	≤ 1	1.0
	50	25	22.73	22.76	22.69	0	0.0
	50	50	22.66	22.71	22.64	≤ 1	1.0
	100	0	21.65	21.73	21.74		
DFT-s OFDM 16QAM	1	1	21.75	21.88	21.75	≤ 1	1.0
	1	52	21.92	21.94	21.90		
	1	104	21.82	21.90	21.82		
DFT-s OFDM 64QAM	1	1	20.32	20.36	20.44	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.25	18.32	18.32	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.47	21.52	21.48	≤ 1.5	1.5

Table 8.4.7.5 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	22.58	22.68	22.72	0	0.0
	1	39	22.78	22.77	22.86		
	1	76	22.63	22.66	22.68		
	36	0	22.65	22.60	22.56	≤ 0.5	0.5
	36	18	22.70	22.76	22.73	0	0.0
	36	36	22.52	22.71	22.64	≤ 0.5	0.5
	75	0	21.56	21.68	21.59		
DFT-s OFDM QPSK	1	1	22.78	22.70	22.76	0	0.0
	1	39	22.92	22.82	22.92		
	1	76	22.74	22.80	22.80		
	36	0	22.68	22.73	22.64	≤ 1	1.0
	36	18	22.87	22.79	22.83	0	0.0
	36	36	22.70	22.75	22.68	≤ 1	1.0
	75	0	21.63	21.79	21.72		
DFT-s OFDM 16QAM	1	1	21.86	21.80	21.81	≤ 1	1.0
	1	39	22.03	21.92	21.93		
	1	76	21.78	21.85	21.82		
DFT-s OFDM 64QAM	1	1	20.40	20.40	20.47	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.28	18.30	18.29	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.48	21.58	21.45	≤ 1.5	1.5

Table 8.4.7.6 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	22.71	22.69	22.63	0	0.0
	1	25	22.77	22.83	22.83		
	1	49	22.68	22.69	22.61		
	25	0	22.59	22.67	22.62	≤ 0.5	0.5
	25	12	22.69	22.72	22.76	0	0.0
	25	25	22.62	22.59	22.66	≤ 0.5	0.5
	50	0	21.54	21.64	21.56		
DFT-s OFDM QPSK	1	1	22.78	22.76	22.77	0	0.0
	1	25	22.83	22.88	22.86		
	1	49	22.71	22.85	22.72		
	25	0	22.65	22.70	22.67	≤ 1	1.0
	25	12	22.82	22.80	22.78	0	0.0
	25	25	22.77	22.74	22.75	≤ 1	1.0
	50	0	21.65	21.75	21.71		
DFT-s OFDM 16QAM	1	1	21.80	21.79	21.83	≤ 1	1.0
	1	25	22.01	22.06	21.90		
	1	49	21.80	21.94	21.75		
DFT-s OFDM 64QAM	1	1	20.34	20.43	20.36	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.31	18.37	18.28	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.49	21.43	21.48	≤ 1.5	1.5

Table 8.4.7.7 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	22.69	22.72	22.61	0	0.0
	1	12	22.78	22.76	22.78		
	1	22	22.73	22.67	22.55		
	12	0	22.60	22.57	22.62	≤ 0.5	0.5
	12	6	22.74	22.64	22.70	0	0.0
	12	12	22.61	22.61	22.60	≤ 0.5	0.5
	24	0	21.56	21.64	21.59		
DFT-s OFDM QPSK	1	1	22.72	22.86	22.70	0	0.0
	1	12	22.85	22.99	22.81		
	1	22	22.78	22.72	22.73		
	12	0	22.64	22.79	22.63	≤ 1	1.0
	12	6	22.80	22.89	22.77	0	0.0
	12	12	22.67	22.75	22.70	≤ 1	1.0
	24	0	21.68	21.79	21.74		
DFT-s OFDM 16QAM	1	1	21.86	21.90	21.92	≤ 1	1.0
	1	12	21.90	22.02	21.94		
	1	22	21.84	21.87	21.84		
DFT-s OFDM 64QAM	1	1	20.45	20.41	20.40	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.25	18.41	18.36	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.53	21.44	21.52	≤ 1.5	1.5

Table 8.4.7.8 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
66A-77A	Body	DFT-s OFDM QPSK	1	107	40	1745.0	349000	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	23.01	40	25.68	100	0	22.00	25.00	20.92	23.70
66A-77A	Body	DFT-s OFDM QPSK	1	107	40	1745.0	349000	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.01	40	25.65	100	0	22.00	25.00	20.86	23.61
66A-78A	Body	DFT-s OFDM QPSK	1	107	40	1745.0	349000	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	23.01	40	25.52	100	0	22.00	25.00	20.85	23.69
66A-78A	Body	DFT-s OFDM QPSK	1	107	40	1745.0	349000	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.01	40	25.56	100	0	22.00	25.00	20.94	23.63

Table 8.4.7.9 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	22.70	0	0.0
	1	108	22.75		
	1	215	22.57		
	108	0	22.55	≤ 0.5	0.5
	108	54	22.73	0	0.0
	108	108	22.43	≤ 0.5	0.5
	216	0	21.75		
DFT-s OFDM QPSK	1	1	22.71	0	0.0
	1	108	22.88		
	1	215	22.70		
	108	0	22.59	≤ 1	1.0
	108	54	22.81	0	0.0
	108	108	22.63	≤ 1	1.0
	216	0	21.83		
DFT-s OFDM 16QAM	1	1	21.81	≤ 1	1.0
	1	108	21.97		
	1	215	21.86		
DFT-s OFDM 64QAM	1	1	21.16	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.11	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.44	≤ 1.5	1.5

Table 8.4.8.2 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	22.58	0	0.0
	1	80	22.76		
	1	160	22.47		
	81	0	22.43	≤ 0.5	0.5
	81	40	22.55	0	0.0
	81	81	22.46	≤ 0.5	0.5
	162	0	21.72		
DFT-s OFDM QPSK	1	1	22.69	0	0.0
	1	80	22.77		
	1	160	22.64		
	81	0	22.51	≤ 1	1.0
	81	40	22.64	0	0.0
	81	81	22.58	≤ 1	1.0
	162	0	21.78		
DFT-s OFDM 16QAM	1	1	21.75	≤ 1	1.0
	1	80	21.80		
	1	160	21.72		
DFT-s OFDM 64QAM	1	1	21.09	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.20	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.43	≤ 1.5	1.5

Table 8.4.8.3 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	22.64	0	0.0
	1	66	22.77		
	1	131	22.53		
	64	0	22.53	≤ 0.5	0.5
	64	32	22.66	0	0.0
	64	64	22.54	≤ 0.5	0.5
DFT-s OFDM QPSK	128	0	21.60		
	1	1	22.66	0	0.0
	1	66	22.79		
	1	131	22.66		
	64	0	22.56	≤ 1	1.0
	64	32	22.69	0	0.0
DFT-s OFDM 16QAM	64	64	22.64	≤ 1	1.0
	128	0	21.77		
	1	1	21.76		
DFT-s OFDM 64QAM	1	66	21.83	≤ 1	1.0
	1	131	21.79		
	1	1	21.00	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.09	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.43	≤ 1.5	1.5

Table 8.4.8.4 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	22.50	22.49	22.52	0	0.0
	1	52	22.51	22.66	22.67		
	1	104	22.46	22.56	22.50		
	50	0	22.39	22.42	22.46	≤ 0.5	0.5
	50	25	22.43	22.58	22.53	0	0.0
	50	50	22.22	22.42	22.35	≤ 0.5	0.5
	100	0	21.58	21.78	21.62		
DFT-s OFDM QPSK	1	1	22.56	22.59	22.68	0	0.0
	1	52	22.73	22.68	22.69		
	1	104	22.54	22.65	22.57		
	50	0	22.42	22.51	22.56	≤ 1	1.0
	50	25	22.52	22.65	22.60	0	0.0
	50	50	22.49	22.54	22.36	≤ 1	1.0
	100	0	21.64	21.81	21.73		
DFT-s OFDM 16QAM	1	1	21.56	21.60	21.76	≤ 1	1.0
	1	52	21.74	21.74	21.80		
	1	104	21.68	21.72	21.72		
DFT-s OFDM 64QAM	1	1	20.72	21.02	20.77	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.08	19.06	19.07	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.36	21.57	21.24	≤ 1.5	1.5

Table 8.4.8.5 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 $\pi/2$ BPSK	1	1	22.45	22.63	22.51	0	0.0
	1	39	22.66	22.73	22.64		
	1	76	22.47	22.58	22.51		
	36	0	22.42	22.46	22.50	≤ 0.5	0.5
	36	18	22.58	22.62	22.53	0	0.0
	36	36	22.36	22.50	22.48	≤ 0.5	0.5
	75	0	21.63	21.70	21.60		
DFT-s OFDM QPSK	1	1	22.47	22.65	22.67	0	0.0
	1	39	22.67	22.80	22.72		
	1	76	22.57	22.62	22.61		
	36	0	22.45	22.52	22.51	≤ 1	1.0
	36	18	22.60	22.65	22.61	0	0.0
	36	36	22.53	22.63	22.50	≤ 1	1.0
	75	0	21.74	21.73	21.71		
DFT-s OFDM 16QAM	1	1	21.55	21.76	21.77	≤ 1	1.0
	1	39	21.71	21.91	21.83		
	1	76	21.59	21.66	21.68		
DFT-s OFDM 64QAM	1	1	20.77	20.95	20.89	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.06	19.04	18.98	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.34	21.43	21.59	≤ 1.5	1.5

Table 8.4.8.6 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 $\pi/2$ BPSK	1	1	22.47	22.52	22.53	0	0.0
	1	25	22.49	22.72	22.54		
	1	49	22.46	22.49	22.48		
	25	0	22.37	22.45	22.36	≤ 0.5	0.5
	25	12	22.47	22.58	22.51	0	0.0
	25	25	22.46	22.35	22.38	≤ 0.5	0.5
	50	0	21.60	21.75	21.61		
DFT-s OFDM QPSK	1	1	22.57	22.54	22.59	0	0.0
	1	25	22.60	22.74	22.66		
	1	49	22.59	22.55	22.64		
	25	0	22.45	22.54	22.49	≤ 1	1.0
	25	12	22.56	22.71	22.54	0	0.0
	25	25	22.50	22.50	22.50	≤ 1	1.0
	50	0	21.71	21.78	21.64		
DFT-s OFDM 16QAM	1	1	21.67	21.74	21.64	≤ 1	1.0
	1	25	21.76	21.90	21.75		
	1	49	21.64	21.68	21.75		
DFT-s OFDM 64QAM	1	1	20.75	21.03	20.89	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.09	18.98	19.13	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.46	21.48	21.35	≤ 1.5	1.5

Table 8.4.8.7 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 $\pi/2$ BPSK	1	1	22.58	22.51	22.48	0	0.0
	1	12	22.59	22.63	22.60		
	1	22	22.43	22.56	22.52		
	12	0	22.51	22.54	22.57	≤ 0.5	0.5
	12	6	22.54	22.61	22.59	0	0.0
	12	12	22.45	22.43	22.44	≤ 0.5	0.5
	24	0	21.57	21.65	21.67		
DFT-s OFDM QPSK	1	1	22.62	22.56	22.74	0	0.0
	1	12	22.66	22.74	22.76		
	1	22	22.65	22.60	22.62		
	12	0	22.57	22.55	22.59	≤ 1	1.0
	12	6	22.62	22.66	22.71	0	0.0
	12	12	22.49	22.54	22.69	≤ 1	1.0
	24	0	21.77	21.74	21.76		
DFT-s OFDM 16QAM	1	1	21.66	21.71	21.79	≤ 1	1.0
	1	12	21.69	21.84	21.81		
	1	22	21.65	21.69	21.64		
DFT-s OFDM 64QAM	1	1	20.69	21.07	20.77	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.08	19.04	19.02	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.33	21.37	21.62	≤ 1.5	1.5

Table 8.4.8.8 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
25A-77A	Body	DFT-s OFDM QPSK	1	107	40	1882.5	376500	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.88	40	25.68	100	0	22.00	25.00	20.84	23.62
25A-77A	Body	DFT-s OFDM QPSK	1	107	40	1882.5	376500	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.88	40	25.65	100	0	22.00	25.00	20.67	23.41
25A-78A	Body	DFT-s OFDM QPSK	1	107	40	1882.5	376500	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.88	40	25.52	100	0	22.00	25.00	20.81	23.56
25A-78A	Body	DFT-s OFDM QPSK	1	107	40	1882.5	376500	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.88	40	25.56	100	0	22.00	25.00	20.68	23.43

Table 8.4.8.9 NR Conducted Power

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

Table 8.4.9.1 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	22.40	0	0.0
	1	108	22.46		
	1	215	22.32		
	108	0	22.27	≤ 0.5	0.5
	108	54	22.31	0	0.0
	108	108	22.15	≤ 0.5	0.5
	216	0	21.55		
DFT-s OFDM QPSK	1	1	22.41	0	0.0
	1	108	22.65		
	1	215	22.49		
	108	0	22.33	≤ 1	1.0
	108	54	22.48	0	0.0
	108	108	22.17	≤ 1	1.0
	216	0	21.72		
DFT-s OFDM 16QAM	1	1	21.45	≤ 1	1.0
	1	108	21.66		
	1	215	21.59		
DFT-s OFDM 64QAM	1	1	20.02	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.00	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.93	≤ 1.5	1.5

Table 8.4.9.2 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	22.13	0	0.0
	1	80	22.30		
	1	160	22.09		
	81	0	22.11	≤ 0.5	0.5
	81	40	22.28	0	0.0
	81	81	22.06	≤ 0.5	0.5
	162	0	21.53		
DFT-s OFDM QPSK	1	1	22.35	0	0.0
	1	80	22.46		
	1	160	22.14		
	81	0	22.29	≤ 1	1.0
	81	40	22.41	0	0.0
	81	81	22.23	≤ 1	1.0
	162	0	21.59		
DFT-s OFDM 16QAM	1	1	21.47	≤ 1	1.0
	1	80	21.50		
	1	160	21.30		
DFT-s OFDM 64QAM	1	1	19.93	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.89	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.91	≤ 1.5	1.5

Table 8.4.9.3 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	22.24	0	0.0
	1	66	22.33		
	1	131	22.12		
	64	0	22.07	≤ 0.5	0.5
	64	32	22.16	0	0.0
	64	64	22.13	≤ 0.5	0.5
	128	0	21.52		
DFT-s OFDM QPSK	1	1	22.29	0	0.0
	1	66	22.44		
	1	131	22.40		
	64	0	22.15	≤ 1	1.0
	64	32	22.42	0	0.0
	64	64	22.36	≤ 1	1.0
	128	0	21.56		
DFT-s OFDM 16QAM	1	1	21.41	≤ 1	1.0
	1	66	21.58		
	1	131	21.46		
DFT-s OFDM 64QAM	1	1	19.99	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.51	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.83	≤ 1.5	1.5

Table 8.4.9.4 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 π/2 BPSK	1	1	22.14	22.21	22.12	0	0.0
	1	52	22.18	22.33	22.41		
	1	104	22.14	22.29	22.16		
	50	0	22.06	22.14	22.17	≤ 0.5	0.5
	50	25	22.16	22.30	22.31	0	0.0
	50	50	22.00	22.27	22.06	≤ 0.5	0.5
	100	0	21.53	21.52	21.53		
DFT-s OFDM QPSK	1	1	22.21	22.38	22.30	0	0.0
	1	52	22.35	22.44	22.47		
	1	104	22.19	22.35	22.22		
	50	0	22.18	22.23	22.22	≤ 1	1.0
	50	25	22.23	22.38	22.45	0	0.0
	50	50	22.05	22.29	22.10	≤ 1	1.0
	100	0	21.62	21.53	21.63		
DFT-s OFDM 16QAM	1	1	21.33	21.40	21.50	≤ 1	1.0
	1	52	21.45	21.55	21.57		
	1	104	21.37	21.45	21.41		
DFT-s OFDM 64QAM	1	1	19.86	19.97	20.00	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.89	17.95	18.08	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.91	20.96	21.05	≤ 1.5	1.5

Table 8.4.9.5 NR Conducted Power

NR Band n2 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)	376000 (1 880.0 MHz)	380500 (1 902.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.13	22.17	22.29	0	0.0
	1	39	22.26	22.43	22.38		
	1	76	22.23	22.23	22.16		
	36	0	22.08	22.12	21.99	≤ 0.5	0.5
	36	18	22.12	22.33	22.29	0	0.0
	36	36	22.04	22.04	22.08	≤ 0.5	0.5
	75	0	21.56	21.56	21.58		
DFT-s OFDM QPSK	1	1	22.18	22.18	22.31	0	0.0
	1	39	22.47	22.47	22.40		
	1	76	22.25	22.33	22.39		
	36	0	22.22	22.27	22.03	≤ 1	1.0
	36	18	22.23	22.36	22.36	0	0.0
	36	36	22.13	22.26	22.18	≤ 1	1.0
	75	0	21.66	21.58	21.70		
DFT-s OFDM 16QAM	1	1	21.49	21.24	21.45	≤ 1	1.0
	1	39	21.59	21.66	21.49		
	1	76	21.44	21.46	21.45		
DFT-s OFDM 64QAM	1	1	19.98	19.77	19.89	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.88	17.90	17.98	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.78	20.72	20.86	≤ 1.5	1.5

Table 8.4.9.6 NR Conducted Power

NR Band n2 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)	376000 (1 880.0 MHz)	381000 (1 905.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.20	22.31	22.15	0	0.0
	1	25	22.25	22.42	22.31		
	1	49	22.19	22.19	22.27		
	25	0	22.10	22.22	22.11	≤ 0.5	0.5
	25	12	22.21	22.32	22.22	0	0.0
	25	25	21.97	22.09	22.01	≤ 0.5	0.5
	50	0	21.54	21.61	21.54		
DFT-s OFDM QPSK	1	1	22.29	22.35	22.34	0	0.0
	1	25	22.34	22.46	22.36		
	1	49	22.26	22.22	22.30		
	25	0	22.15	22.28	22.13	≤ 1	1.0
	25	12	22.30	22.36	22.30	0	0.0
	25	25	22.04	22.15	22.10	≤ 1	1.0
	50	0	21.60	21.65	21.59		
DFT-s OFDM 16QAM	1	1	21.44	21.45	21.37	≤ 1	1.0
	1	25	21.52	21.56	21.49		
	1	49	21.38	21.53	21.41		
DFT-s OFDM 64QAM	1	1	19.85	20.03	19.95	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.90	17.98	17.90	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.93	20.93	20.94	≤ 1.5	1.5

Table 8.4.9.7 NR Conducted Power

NR Band n2 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)	376000 (1 880.0 MHz)	381500 (1 907.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.15	22.24	22.21	0	0.0
	1	12	22.33	22.51	22.43		
	1	22	22.28	22.30	22.28		
	12	0	22.06	22.15	22.09	≤ 0.5	0.5
	12	6	22.17	22.35	22.18	0	0.0
	12	12	22.00	22.07	22.07	≤ 0.5	0.5
	24	0	21.59	21.54	21.58		
DFT-s OFDM QPSK	1	1	22.28	22.35	22.36	0	0.0
	1	12	22.41	22.54	22.52		
	1	22	22.30	22.39	22.41		
	12	0	22.19	22.20	22.11	≤ 1	1.0
	12	6	22.20	22.38	22.30	0	0.0
	12	12	22.12	22.12	22.17	≤ 1	1.0
	24	0	21.65	21.55	21.69		
DFT-s OFDM 16QAM	1	1	21.47	21.44	21.55	≤ 1	1.0
	1	12	21.48	21.60	21.61		
	1	22	21.31	21.54	21.51		
DFT-s OFDM 64QAM	1	1	19.89	19.88	20.07	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.85	17.97	17.94	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.89	20.86	20.89	≤ 1.5	1.5

Table 8.4.9.8 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
2A-77A	Body	DFT-s OFDM QPSK	1	107	40	1880.0	376000	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.65	40	25.68	100	0	22.00	25.00	20.47	23.51
2A-77A	Body	DFT-s OFDM QPSK	1	107	40	1880.0	376000	DFT-s OFDM QPSK	1	136	100	3500.01	633334	0	22.65	40	25.65	100	0	22.00	25.00	20.45	23.46
2A-78A	Body	DFT-s OFDM QPSK	1	107	40	1880.0	376000	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	22.65	40	25.52	100	0	22.00	25.00	20.50	23.45
2A-78A	Body	DFT-s OFDM QPSK	1	107	40	1880.0	376000	DFT-s OFDM QPSK	1	136	100	3500.01	633334	0	22.65	40	25.56	100	0	22.00	25.00	20.55	23.56

Table 8.4.9.9 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n7	Maximum	24.0
	Nominal	23.0

Table 8.4.10.1 Nominal and Maximum Output Power Spec

10) NR Band n7

NR Band n7 Conducted Power– 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			507000 (2 535.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.17	0	0.0
	1	108	22.26		
	1	215	22.21		
	108	0	22.07	≤ 0.5	0.5
	108	54	22.11	0	0.0
	108	108	21.99	≤ 0.5	0.5
	216	0	21.68		
DFT-s OFDM QPSK	1	1	22.32	0	0.0
	1	108	22.35		
	1	215	22.29		
	108	0	22.22	≤ 1	1.0
	108	54	22.34	0	0.0
	108	108	22.17	≤ 1	1.0
	216	0	21.77		
DFT-s OFDM 16QAM	1	1	21.37	≤ 1	1.0
	1	108	21.38		
	1	215	21.35		
DFT-s OFDM 64QAM	1	1	19.82	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.90	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.28	≤ 1.5	1.5

Table 8.4.10.2 NR Conducted Power

Note: NR Band n7 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 n7 Conducted Power– 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			507000 (2 535.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.04	0	0.0
	1	80	22.21		
	1	160	22.09		
	81	0	22.06	≤ 0.5	0.5
	81	40	22.09	0	0.0
	81	81	22.01	≤ 0.5	0.5
	162	0	21.57		
DFT-s OFDM QPSK	1	1	22.23	0	0.0
	1	80	22.31		
	1	160	22.12		
	81	0	22.24	≤ 1	1.0
	81	40	22.25	0	0.0
	81	81	22.05	≤ 1	1.0
	162	0	21.63		
DFT-s OFDM 16QAM	1	1	21.29	≤ 1	1.0
	1	80	21.33		
	1	160	21.25		
DFT-s OFDM 64QAM	1	1	19.81	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.85	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.84	≤ 1.5	1.5

Table 8.4.10.3 NR Conducted Power

Note: NR Band n7 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 n7 Conducted Power– 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			507000 (2 535.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM π/2 BPSK	1	1	22.14	0	0.0
	1	66	22.16		
	1	131	22.11		
	64	0	22.02	≤ 0.5	0.5
	64	32	22.14	0	0.0
	64	64	21.98	≤ 0.5	0.5
	128	0	21.60		
DFT-s OFDM QPSK	1	1	22.14	0	0.0
	1	66	22.34		
	1	131	22.17		
	64	0	22.08	≤ 1	1.0
	64	32	22.16	0	0.0
	64	64	22.06	≤ 1	1.0
	128	0	21.62		
DFT-s OFDM 16QAM	1	1	21.23	≤ 1	1.0
	1	66	21.35		
	1	131	21.22		
DFT-s OFDM 64QAM	1	1	19.81	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.70	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.77	≤ 1.5	1.5

Table 8.4.10.4 NR Conducted Power

Note: NR Band n7 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 n7 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			502000 (2 510.0 MHz)	507000 (2 535.0 MHz)	512000 (2 560.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.06	22.06	22.03	0	0.0
	1	52	22.16	22.13	22.08		
	1	104	22.06	22.09	22.06		
	50	0	22.06	21.79	21.87	≤ 0.5	0.5
	50	25	22.13	22.05	22.06	0	0.0
	50	50	22.07	21.95	22.05	≤ 0.5	0.5
	100	0	21.56	21.53	21.54		
DFT-s OFDM QPSK	1	1	22.15	22.09	22.09	0	0.0
	1	52	22.27	22.20	22.18		
	1	104	22.12	22.15	22.08		
	50	0	22.10	22.01	22.02	≤ 1	1.0
	50	25	22.14	22.19	22.14	0	0.0
	50	50	22.09	22.04	22.09	≤ 1	1.0
	100	0	21.62	21.55	21.63		
DFT-s OFDM 16QAM	1	1	21.22	21.20	21.20	≤ 1	1.0
	1	52	21.28	21.26	21.22		
	1	104	21.17	21.19	21.12		
DFT-s OFDM 64QAM	1	1	19.71	19.60	19.67	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.70	17.66	17.65	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.75	20.69	20.69	≤ 1.5	1.5

Table 8.4.10.5 NR Conducted Power

NR Band n7 Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			501500 (2 507.5 MHz)	507000 (2 535.0 MHz)	512500 (2 562.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.05	22.11	22.04	0	0.0
	1	39	22.19	22.14	22.13		
	1	76	22.08	22.02	22.08		
	36	0	22.02	21.93	21.84	≤ 0.5	0.5
	36	18	22.16	22.07	22.09	0	0.0
	36	36	22.06	21.96	21.95	≤ 0.5	0.5
	75	0	21.55	21.59	21.56		
DFT-s OFDM QPSK	1	1	22.13	22.11	22.16	0	0.0
	1	39	22.31	22.28	22.18		
	1	76	22.08	22.06	22.16		
	36	0	22.12	21.96	21.98	≤ 1	1.0
	36	18	22.21	22.16	22.19	0	0.0
	36	36	22.08	21.97	22.07	≤ 1	1.0
	75	0	21.59	21.66	21.57		
DFT-s OFDM 16QAM	1	1	21.13	21.13	21.16	≤ 1	1.0
	1	39	21.33	21.31	21.31		
	1	76	21.18	21.11	21.23		
DFT-s OFDM 64QAM	1	1	19.76	19.79	19.72	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.82	17.72	17.78	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.85	20.67	20.68	≤ 1.5	1.5

Table 8.4.10.6 NR Conducted Power

NR Band n7 Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			501000 (2 505.0 MHz)	507000 (2 535.0 MHz)	513000 (2 565.0 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.07	22.09	22.02	0	0.0
	1	25	22.14	22.21	22.06		
	1	49	22.08	22.12	22.03		
	25	0	21.86	21.94	22.03	≤ 0.5	0.5
	25	12	22.10	22.09	22.11	0	0.0
	25	25	21.90	22.04	22.00	≤ 0.5	0.5
	50	0	21.59	21.57	21.53		
DFT-s OFDM QPSK	1	1	22.18	22.19	22.11	0	0.0
	1	25	22.26	22.25	22.21		
	1	49	22.25	22.15	22.10		
	25	0	22.10	21.97	22.12	≤ 1	1.0
	25	12	22.12	22.11	22.16	0	0.0
	25	25	21.99	22.08	22.07	≤ 1	1.0
	50	0	21.64	21.75	21.54		
DFT-s OFDM 16QAM	1	1	21.21	21.28	21.12	≤ 1	1.0
	1	25	21.33	21.30	21.30		
	1	49	21.26	21.20	21.23		
DFT-s OFDM 64QAM	1	1	19.79	19.70	19.86	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.68	17.70	17.63	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.86	20.76	20.78	≤ 1.5	1.5

Table 8.4.10.7 NR Conducted Power

NR Band n7 Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			500500 (2 502.5 MHz)	507000 (2 535.0 MHz)	513500 (2 567.5 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.14	22.03	22.06	0	0.0
	1	12	22.16	22.12	22.08		
	1	22	22.03	22.05	22.05		
	12	0	22.03	21.88	21.91	≤ 0.5	0.5
	12	6	22.08	22.05	22.15	0	0.0
	12	12	21.93	21.92	21.97	≤ 0.5	0.5
	24	0	21.59	21.58	21.57		
DFT-s OFDM QPSK	1	1	22.14	22.13	22.12	0	0.0
	1	12	22.18	22.16	22.27		
	1	22	22.14	22.08	22.18		
	12	0	22.04	22.08	21.96	≤ 1	1.0
	12	6	22.14	22.18	22.16	0	0.0
	12	12	22.07	22.13	22.12	≤ 1	1.0
	24	0	21.66	21.63	21.59		
DFT-s OFDM 16QAM	1	1	21.15	21.15	21.15	≤ 1	1.0
	1	12	21.26	21.22	21.31		
	1	22	21.19	21.21	21.25		
DFT-s OFDM 64QAM	1	1	19.77	19.68	19.75	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.74	17.87	17.84	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.80	20.68	20.69	≤ 1.5	1.5

Table 8.4.10.8 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
7A-77A	Body	DFT-s OFDM QPSK	1	107	40	2535.0	507000	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.35	40	25.68	100	0	22.00	25.00	20.22	23.58
7A-77A	Body	DFT-s OFDM QPSK	1	107	40	2535.0	507000	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.35	40	25.65	100	0	22.00	25.00	20.10	23.53
7A-78A	Body	DFT-s OFDM QPSK	1	107	40	2535.0	507000	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.35	40	25.52	100	0	22.00	25.00	20.13	23.55
7A-78A	Body	DFT-s OFDM QPSK	1	107	40	2535.0	507000	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.35	40	25.56	100	0	22.00	25.00	20.13	23.60

Table 8.4.10.9 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n41	Maximum	24.0
	Nominal	23.0

Table 8.4.11.1 Nominal and Maximum Output Power Spec

11) NR Band n41

NR Band n41 Conducted Power- 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			518598 (2 592.99 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.69	0	0.0
	1	136	22.78		
	1	271	22.71		
	135	0	22.61	≤ 0.5	0.5
	135	67	22.78	0	0.0
	135	135	22.76	≤ 0.5	0.5
	270	0	21.82		
DFT-s OFDM QPSK	1	1	22.90	0	0.0
	1	136	22.98		
	1	271	22.82		
	135	0	22.78	≤ 1	1.0
	135	67	22.87	0	0.0
	135	135	22.78	≤ 1	1.0
	270	0	22.00		
DFT-s OFDM 16QAM	1	1	21.95	≤ 1	1.0
	1	136	21.98		
	1	271	21.92		
DFT-s OFDM 64QAM	1	1	20.44	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.43	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.46	≤ 1.5	1.5

Table 8.4.11.2 NR Conducted Power

Note: NR Band n41 can not contain three non-overlapping channels of 100 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 n41 Conducted Power– 90 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			508200 (2 541.00 MHz)	528996 (2 644.98 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	22.76	22.65	0	0.0
	1	122	22.77	22.75		
	1	243	22.57	22.60		
	120	0	22.69	22.58	≤ 0.5	0.5
	120	60	22.73	22.69	0	0.0
	120	120	22.57	22.50	≤ 0.5	0.5
243	0	21.74	21.86			
DFT-s OFDM QPSK	1	1	22.82	22.70	0	0.0
	1	122	22.91	22.81		
	1	243	22.70	22.72		
	120	0	22.72	22.72	≤ 1	1.0
	120	60	22.83	22.76	0	0.0
	120	120	22.64	22.74	≤ 1	1.0
243	0	21.89	21.86			
DFT-s OFDM 16QAM	1	1	21.86	21.96	≤ 1	1.0
	1	122	21.99	22.15		
	1	243	21.84	22.01		
DFT-s OFDM 64QAM	1	1	20.52	20.41	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.49	18.26	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.45	21.65	≤ 1.5	1.5

Table 8.4.11.3 NR Conducted Power

NR Band n41 Conducted Power– 80 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			507204 (2 536.02 MHz)	529998 (2 649.99 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	22.68	22.57	0	0.0
	1	108	22.75	22.73		
	1	215	22.68	22.52		
	108	0	22.65	22.55	≤ 0.5	0.5
	108	54	22.69	22.64	0	0.0
	108	108	22.60	22.62	≤ 0.5	0.5
	216	0	21.71	21.85		
DFT-s OFDM QPSK	1	1	22.70	22.69	0	0.0
	1	108	22.85	22.81		
	1	215	22.72	22.68		
	108	0	22.65	22.66	≤ 1	1.0
	108	54	22.75	22.70	0	0.0
	108	108	22.62	22.67	≤ 1	1.0
	216	0	21.85	21.91		
DFT-s OFDM 16QAM	1	1	21.85	21.94	≤ 1	1.0
	1	108	21.93	22.04		
	1	215	21.86	21.94		
DFT-s OFDM 64QAM	1	1	20.55	20.41	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.53	18.45	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.55	21.47	≤ 1.5	1.5

Table 8.4.11.4 NR Conducted Power

NR Band n41 Conducted Power~ 70 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			506202 (2 531.01 MHz)	531000 (2 655.00 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	22.74	22.60	0	0.0
	1	94	22.83	22.67		
	1	187	22.71	22.59		
	90	0	22.58	22.63	≤ 0.5	0.5
	90	45	22.77	22.65	0	0.0
	90	90	22.52	22.43	≤ 0.5	0.5
	180	0	21.78	21.81		
DFT-s OFDM QPSK	1	1	22.84	22.77	0	0.0
	1	94	22.86	22.86		
	1	187	22.73	22.62		
	90	0	22.70	22.65	≤ 1	1.0
	90	45	22.78	22.77	0	0.0
	90	90	22.68	22.67	≤ 1	1.0
	180	0	21.85	21.92		
DFT-s OFDM 16QAM	1	1	21.87	21.93	≤ 1	1.0
	1	94	21.92	21.96		
	1	187	21.77	21.95		
DFT-s OFDM 64QAM	1	1	20.46	20.37	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.46	18.30	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.42	21.66	≤ 1.5	1.5

Table 8.4.11.5 NR Conducted Power

NR Band n41 Conducted Power– 60 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			505200 (2 526.00 MHz)	518598 (2 592.99 MHz)	531996 (2 659.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.59	22.74	22.65	0	0.0
	1	80	22.69	22.83	22.78		
	1	160	22.64	22.79	22.69		
	81	0	22.56	22.54	22.56	≤ 0.5	0.5
	81	40	22.61	22.70	22.68	0	0.0
	81	81	22.60	22.61	22.54	≤ 0.5	0.5
	162	0	21.69	21.83	21.71		
DFT-s OFDM QPSK	1	1	22.80	22.83	22.81	0	0.0
	1	80	22.89	22.88	22.83		
	1	160	22.68	22.84	22.70		
	81	0	22.66	22.67	22.62	≤ 1	1.0
	81	40	22.84	22.71	22.78	0	0.0
	81	81	22.80	22.67	22.68	≤ 1	1.0
	162	0	21.82	21.93	21.78		
DFT-s OFDM 16QAM	1	1	21.88	21.93	21.98	≤ 1	1.0
	1	80	21.96	22.00	22.07		
	1	160	21.94	21.96	21.89		
DFT-s OFDM 64QAM	1	1	20.57	20.33	20.48	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.47	18.37	18.33	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.39	21.34	21.62	≤ 1.5	1.5

Table 8.4.11.6 NR Conducted Power

NR Band n41 Conducted Power– 50 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			504204 (2 521.02 MHz)	518598 (2 592.99 MHz)	532998 (2 664.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.72	22.65	22.54	0	0.0
	1	66	22.76	22.75	22.77		
	1	131	22.64	22.66	22.60		
	64	0	22.61	22.60	22.59	≤ 0.5	0.5
	64	32	22.71	22.64	22.62	0	0.0
	64	64	22.63	22.61	22.59	≤ 0.5	0.5
	128	0	21.64	21.79	21.74		
DFT-s OFDM QPSK	1	1	22.73	22.67	22.61	0	0.0
	1	66	22.88	22.94	22.80		
	1	131	22.70	22.86	22.78		
	64	0	22.65	22.61	22.72	≤ 1	1.0
	64	32	22.75	22.79	22.77	0	0.0
	64	64	22.74	22.73	22.61	≤ 1	1.0
	128	0	21.93	21.95	21.80		
DFT-s OFDM 16QAM	1	1	21.87	21.87	21.98	≤ 1	1.0
	1	66	21.95	21.95	22.09		
	1	131	21.90	21.89	22.05		
DFT-s OFDM 64QAM	1	1	20.61	20.31	20.38	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.34	18.45	18.42	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.55	21.46	21.51	≤ 1.5	1.5

Table 8.4.11.7 NR Conducted Power

NR Band n41 Conducted Power– 40 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			503202 (2 516.01 MHz)	513468 (2 567.34 MHz)	523734 (2 618.67 MHz)	534000 (2 670.00 MHz)		
			Conducted Power (dBm)					
DFT-s OFDM $\pi/2$ BPSK	1	1	22.55	22.59	22.57	22.58	0	0.0
	1	52	22.73	22.72	22.74	22.63		
	1	104	22.53	22.62	22.61	22.59		
	50	0	22.47	22.45	22.55	22.58	≤ 0.5	0.5
	50	25	22.70	22.67	22.69	22.59	0	0.0
	50	50	22.56	22.51	22.60	22.51	≤ 0.5	0.5
	100	0	21.72	21.66	21.73	21.65		
DFT-s OFDM QPSK	1	1	22.67	22.72	22.74	22.73	0	0.0
	1	52	22.85	22.75	22.84	22.80		
	1	104	22.70	22.74	22.72	22.63		
	50	0	22.71	22.64	22.60	22.61	≤ 1	1.0
	50	25	22.80	22.69	22.74	22.69	0	0.0
	50	50	22.79	22.68	22.62	22.65	≤ 1	1.0
	100	0	21.83	21.84	21.79	21.87		
DFT-s OFDM 16QAM	1	1	21.94	21.72	21.85	22.08	≤ 1	1.0
	1	52	22.00	21.88	21.90	22.10		
	1	104	21.89	21.85	21.87	21.91		
DFT-s OFDM 64QAM	1	1	20.67	20.29	20.34	20.43	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.50	18.31	18.29	18.31	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.51	21.34	21.38	21.62	≤ 1.5	1.5

Table 8.4.11.8 NR Conducted Power

NR Band n41 Conducted Power– 30 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)
			502200 (2 511.00 MHz)	510402 (2 552.01 MHz)	518598 (2 592.99 MHz)	526800 (2 634.00 MHz)	534996 (2 674.98 MHz)		
			Conducted Power (dBm)						
DFT-s OFDM π/2 BPSK	1	1	22.66	22.47	22.51	22.66	22.73	0	0.0
	1	39	22.73	22.73	22.70	22.72	22.78		
	1	76	22.57	22.65	22.64	22.60	22.76		
	36	0	22.61	22.50	22.53	22.57	22.59	≤ 0.5	0.5
	36	18	22.70	22.66	22.64	22.66	22.69	0	0.0
	36	36	22.53	22.51	22.58	22.50	22.60	≤ 0.5	0.5
DFT-s OFDM QPSK	75	0	21.62	21.67	21.76	21.70	21.65	0	0.0
	1	1	22.73	22.55	22.81	22.77	22.75		
	1	39	22.95	22.81	22.89	22.80	22.84		
	1	76	22.63	22.75	22.86	22.65	22.80	≤ 1	1.0
	36	0	22.79	22.57	22.61	22.61	22.66		
	36	18	22.82	22.72	22.86	22.67	22.70		
DFT-s OFDM 16QAM	36	36	22.62	22.57	22.69	22.57	22.61	≤ 1	1.0
	75	0	21.76	21.86	21.89	21.96	21.94		
	1	1	21.91	21.81	21.96	21.81	21.97		
DFT-s OFDM 64QAM	1	39	21.97	21.90	21.99	21.93	22.13	≤ 1	1.0
	1	76	21.78	21.82	21.95	21.84	21.92		
DFT-s OFDM 256QAM	1	1	20.51	20.22	20.44	20.30	20.43	≤ 2.5	2.5
CP OFDM QPSK	1	1	18.47	18.41	18.41	18.45	18.35	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.37	21.29	21.32	21.28	21.55	≤ 1.5	1.5

Table 8.4.11.9 NR Conducted Power

NR Band n41 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)
			501204 (2 506.02 MHz)	509904 (2 549.52 MHz)	518598 (2 592.99 MHz)	527298 (2 636.49 MHz)	535998 (2 679.98 MHz)		
			Conducted Power (dBm)						
DFT-s OFDM π/2 BPSK	1	1	22.66	22.58	22.50	22.61	22.69	0	0.0
	1	25	22.76	22.74	22.81	22.68	22.74		
	1	49	22.72	22.60	22.69	22.64	22.64		
	25	0	22.71	22.64	22.61	22.53	22.52	≤ 0.5	0.5
	25	12	22.73	22.66	22.66	22.61	22.61	0	0.0
	25	25	22.65	22.59	22.61	22.58	22.51	≤ 0.5	0.5
	50	0	21.64	21.66	21.67	21.79	21.65		
DFT-s OFDM QPSK	1	1	22.86	22.64	22.71	22.74	22.71	0	0.0
	1	25	22.87	22.78	22.89	22.75	22.87		
	1	49	22.77	22.64	22.76	22.73	22.68		
	25	0	22.81	22.66	22.69	22.66	22.70	≤ 1	1.0
	25	12	22.84	22.68	22.76	22.72	22.83	0	0.0
	25	25	22.73	22.61	22.73	22.60	22.73	≤ 1	1.0
	50	0	21.78	21.94	21.84	21.95	21.72		
DFT-s OFDM 16QAM	1	1	21.93	21.77	21.80	21.76	21.98	≤ 1	1.0
	1	25	22.04	21.88	21.91	22.01	22.04		
	1	49	21.82	21.75	21.82	21.87	21.91		
DFT-s OFDM 64QAM	1	1	20.51	20.34	20.26	20.33	20.43	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.51	18.40	18.33	18.29	18.34	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.51	21.39	21.30	21.27	21.52	≤ 1.5	1.5

Table 8.4.11.10 NR Conducted Power

NR Band n41 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)
			500202 (2 501.01 MHz)	509400 (2 547.00 MHz)	518598 (2 592.99 MHz)	527802 (2 639.01 MHz)	537000 (2 685.00 MHz)		
			Conducted Power (dBm)						
DFT-s OFDM $\pi/2$ BPSK	1	1	22.64	22.71	22.61	22.69	22.58	0	0.0
	1	12	22.83	22.71	22.77	22.71	22.68		
	1	22	22.56	22.61	22.64	22.63	22.51		
	12	0	22.73	22.57	22.51	22.51	22.60	≤ 0.5	0.5
	12	6	22.73	22.65	22.60	22.64	22.64	0	0.0
	12	12	22.68	22.46	22.53	22.52	22.46	≤ 0.5	0.5
DFT-s OFDM QPSK	24	0	21.69	21.73	21.78	21.73	21.73	0	0.0
	1	1	22.73	22.74	22.84	22.76	22.80		
	1	12	22.88	22.83	22.87	22.82	22.86		
	1	22	22.61	22.68	22.78	22.64	22.65	≤ 1	1.0
	12	0	22.81	22.63	22.66	22.51	22.62		
	12	6	22.86	22.72	22.73	22.67	22.68		
DFT-s OFDM 16QAM	12	12	22.72	22.55	22.69	22.63	22.64	≤ 1	1.0
	24	0	21.77	21.82	21.83	21.75	21.77		
	1	1	21.84	21.83	21.84	21.85	21.94		
DFT-s OFDM 64QAM	1	12	21.92	22.00	22.03	22.00	21.99		
	1	22	21.78	21.85	21.88	21.79	21.98		
	DFT-s OFDM 256QAM	1	1	20.55	20.30	20.39	20.37	20.49	≤ 2.5
CP OFDM QPSK	1	1	18.50	18.24	18.34	18.32	18.39	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.45	21.39	21.39	21.36	21.54	≤ 1.5	1.5

Table 8.4.11.11 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n38	Maximum	24.0
	Nominal	23.0

Table 8.4.12.1 Nominal and Maximum Output Power Spec

12) NR Band n38

NR Band n38 Conducted Power– 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			519000 (2 595.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.72	0	0.0
	1	52	23.02		
	1	104	22.75		
	50	0	22.62	≤ 0.5	0.5
	50	25	22.97	0	0.0
	50	50	22.78	≤ 0.5	0.5
	100	0	22.36		
DFT-s OFDM QPSK	1	1	23.01	0	0.0
	1	52	23.13		
	1	104	22.98		
	50	0	22.82	≤ 1	1.0
	50	25	23.04	0	0.0
	50	50	22.93	≤ 1	1.0
	100	0	22.53		
DFT-s OFDM 16QAM	1	1	22.08	≤ 1	1.0
	1	52	22.14		
	1	104	22.04		
DFT-s OFDM 64QAM	1	1	20.59	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.68	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.74	≤ 1.5	1.5

Table 8.4.12.2 NR Conducted Power

Note: NR Band n38 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 n38 Conducted Power– 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			519000 (2 595.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.76	0	0.0
	1	39	22.88		
	1	76	22.81		
	36	0	22.58	≤ 0.5	0.5
	36	18	22.87	0	0.0
	36	36	22.82	≤ 0.5	0.5
	75	0	22.30		
DFT-s OFDM QPSK	1	1	22.80	0	0.0
	1	39	23.01		
	1	76	22.94		
	36	0	22.86	≤ 1	1.0
	36	18	22.88	0	0.0
	36	36	22.84	≤ 1	1.0
	75	0	22.45		
DFT-s OFDM 16QAM	1	1	21.91	≤ 1	1.0
	1	39	22.23		
	1	76	22.06		
DFT-s OFDM 64QAM	1	1	20.36	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.58	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.60	≤ 1.5	1.5

Table 8.4.12.3 NR Conducted Power

Note: NR Band n38 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 n38 Conducted Power– 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			519000 (2 595.0 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.78	0	0.0
	1	25	22.90		
	1	49	22.79		
	25	0	22.70	≤ 0.5	0.5
	25	12	22.92	0	0.0
	25	25	22.75	≤ 0.5	0.5
	50	0	22.31		
DFT-s OFDM QPSK	1	1	22.85	0	0.0
	1	25	22.99		
	1	49	22.91		
	25	0	22.74	≤ 1	1.0
	25	12	22.97	0	0.0
	25	25	22.84	≤ 1	1.0
	50	0	22.46		
DFT-s OFDM 16QAM	1	1	21.91	≤ 1	1.0
	1	25	22.18		
	1	49	22.09		
DFT-s OFDM 64QAM	1	1	20.37	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.59	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.61	≤ 1.5	1.5

Table 8.4.12.4 NR Conducted Power

Note: NR Band n38 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 n38 Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			515000 (2 575.00 MHz)	519000 (2 595.0 MHz)	523000 (2 615.00 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.68	22.83	22.72	0	0.0
	1	12	22.76	22.94	22.91		
	1	22	22.75	22.80	22.80		
	12	0	22.62	22.61	22.57	≤ 0.5	0.5
	12	6	22.71	22.82	22.83	0	0.0
	12	12	22.64	22.71	22.78	≤ 0.5	0.5
	24	0	22.36	22.38	22.42		
DFT-s OFDM QPSK	1	1	22.81	22.90	22.94	0	0.0
	1	12	22.90	23.11	23.02		
	1	22	22.81	23.08	22.88		
	12	0	22.70	22.81	22.80	≤ 1	1.0
	12	6	22.84	22.94	22.97	0	0.0
	12	12	22.80	22.83	22.80	≤ 1	1.0
	24	0	22.52	22.46	22.52		
DFT-s OFDM 16QAM	1	1	21.87	22.13	22.08	≤ 1	1.0
	1	12	22.14	22.23	22.11		
	1	22	22.00	22.17	22.01		
DFT-s OFDM 64QAM	1	1	20.48	20.57	20.45	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.63	18.70	18.57	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.56	21.60	21.53	≤ 1.5	1.5

Table 8.4.11.5 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n77	Maximum	27.0
	Nominal	25.0

Table 8.4.13.1 Nominal and Maximum Output Power Spec

13) NR Band n77 DoD

NR Band n77 DoD Conducted Power– 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	25.47	0	0.0
	1	136	25.54		
	1	271	25.44		
	135	0	25.06	≤ 0.5	0.5
	135	67	25.51	0	0.0
	135	135	25.28	≤ 0.5	0.5
DFT-s OFDM QPSK	270	0	25.11	0	0.0
	1	1	25.62		
	1	136	25.65		
	1	271	25.61	≤ 1	1.0
	135	0	25.25		
	135	67	25.57		
DFT-s OFDM 16QAM	135	135	25.40	≤ 1	1.0
	270	0	25.28		
	1	1	24.77	≤ 1	1.0
DFT-s OFDM 64QAM	1	136	25.15		
	1	271	24.58		
	1	1	23.13	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.21	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.25	≤ 1.5	1.5

Table 8.4.13.2 NR Conducted Power

NR Band n77 DoD Conducted Power– 90 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	25.24	0	0.0
	1	122	25.51		
	1	243	25.46		
	120	0	25.09	≤ 0.5	0.5
	120	60	25.32	0	0.0
	120	120	25.01	≤ 0.5	0.5
DFT-s OFDM QPSK	243	0	24.95		
	1	1	25.39	0	0.0
	1	122	25.53		
	1	243	25.52		
	120	0	25.18	≤ 1	1.0
	120	60	25.43	0	0.0
DFT-s OFDM 16QAM	120	120	25.10	≤ 1	1.0
	243	0	25.03		
	1	1	24.51	≤ 1	1.0
DFT-s OFDM 64QAM	1	122	24.68		
	1	243	24.67		
	1	1	22.89	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.20	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.21	≤ 1.5	1.5

Table 8.4.13.3 NR Conducted Power

NR Band n77 DoD Conducted Power– 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	25.24	0	0.0
	1	108	25.42		
	1	215	25.20		
	108	0	24.94	≤ 0.5	0.5
	108	54	25.37	0	0.0
	108	108	24.99	≤ 0.5	0.5
	216	0	25.09		
DFT-s OFDM QPSK	1	1	25.33	0	0.0
	1	108	25.45		
	1	215	25.24		
	108	0	25.01	≤ 1	1.0
	108	54	25.41	0	0.0
	108	108	25.07	≤ 1	1.0
	216	0	25.12		
DFT-s OFDM 16QAM	1	1	24.42	≤ 1	1.0
	1	108	24.53		
	1	215	24.36		
DFT-s OFDM 64QAM	1	1	22.91	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.91	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.99	≤ 1.5	1.5

Table 8.4.13.4 NR Conducted Power

NR Band n77 DoD Conducted Power– 70 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	25.19	0	0.0
	1	94	25.24		
	1	187	25.20		
	90	0	25.01	≤ 0.5	0.5
	90	45	25.21	0	0.0
	90	90	24.98	≤ 0.5	0.5
	180	0	25.00		
DFT-s OFDM QPSK	1	1	25.25	0	0.0
	1	94	25.35		
	1	187	25.31		
	90	0	25.19	≤ 1	1.0
	90	45	25.34	0	0.0
	90	90	25.13	≤ 1	1.0
	180	0	25.07		
DFT-s OFDM 16QAM	1	1	24.38	≤ 1	1.0
	1	94	24.50		
	1	187	24.35		
DFT-s OFDM 64QAM	1	1	22.85	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.89	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.93	≤ 1.5	1.5

Table 8.4.13.5 NR Conducted Power

NR Band n77 DoD Conducted Power– 60 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	25.23	0	0.0
	1	80	25.29		
	1	160	25.24		
	81	0	24.97	≤ 0.5	0.5
	81	40	25.17	0	0.0
	81	81	24.94	≤ 0.5	0.5
	162	0	24.98		
DFT-s OFDM QPSK	1	1	25.34	0	0.0
	1	80	25.41		
	1	160	25.35		
	81	0	25.12	≤ 1	1.0
	81	40	25.35	0	0.0
	81	81	25.13	≤ 1	1.0
	162	0	25.05		
DFT-s OFDM 16QAM	1	1	24.41	≤ 1	1.0
	1	80	24.48		
	1	160	24.41		
DFT-s OFDM 64QAM	1	1	22.84	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.92	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.99	≤ 1.5	1.5

Table 8.4.13.6 NR Conducted Power

NR Band n77 DoD Conducted Power– 50 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			631668 (3 475.02 MHz)	635000 (3 525.00 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM π/2 BPSK	1	1	25.13	25.18	0	0.0
	1	66	25.32	25.33		
	1	131	25.19	25.26		
	64	0	24.92	25.05	≤ 0.5	0.5
	64	32	25.28	25.27	0	0.0
	64	64	24.99	24.97	≤ 0.5	0.5
	128	0	25.06	25.05		
DFT-s OFDM QPSK	1	1	25.25	25.23	0	0.0
	1	66	25.48	25.42		
	1	131	25.27	25.29		
	64	0	25.03	25.15	≤ 1	1.0
	64	32	25.40	25.39	0	0.0
	64	64	25.11	25.03	≤ 1	1.0
	128	0	25.15	25.08		
DFT-s OFDM 16QAM	1	1	24.31	24.44	≤ 1	1.0
	1	66	24.58	24.50		
	1	131	24.52	24.39		
DFT-s OFDM 64QAM	1	1	22.79	22.84	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.79	20.79	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.95	24.10	≤ 1.5	1.5

Table 8.4.13.7 NR Conducted Power

NR Band n77 DoD Conducted Power-- 40 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			631334 (3 470.01 MHz)	635332 (3 529.98 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	25.39	25.17	0	0.0
	1	52	25.49	25.35		
	1	104	25.29	25.27		
	50	0	25.10	24.94	≤ 0.5	0.5
	50	25	25.16	25.25	0	0.0
	50	50	25.04	24.98	≤ 0.5	0.5
	100	0	24.94	24.97		
DFT-s OFDM QPSK	1	1	25.45	25.34	0	0.0
	1	52	25.62	25.47		
	1	104	25.53	25.38		
	50	0	25.18	25.14	≤ 1	1.0
	50	25	25.42	25.41	0	0.0
	50	50	25.18	25.16	≤ 1	1.0
	100	0	25.04	25.06		
DFT-s OFDM 16QAM	1	1	24.48	24.36	≤ 1	1.0
	1	52	24.65	24.59		
	1	104	24.58	24.51		
DFT-s OFDM 64QAM	1	1	22.95	22.99	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.07	20.84	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.07	24.08	≤ 1.5	1.5

Table 8.4.13.8 NR Conducted Power

NR Band n77 DoD Conducted Power-- 30 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			631000 (3 465.00 MHz)	633334 (3 500.01 MHz)	635666 (3 534.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	25.23	25.23	25.20	0	0.0
	1	39	25.31	25.35	25.32		
	1	76	25.28	25.31	25.20		
	36	0	25.00	24.91	24.96	≤ 0.5	0.5
	36	18	25.17	25.19	25.19	0	0.0
	36	36	25.01	24.99	24.96	≤ 0.5	0.5
	75	0	25.01	25.09	25.12		
DFT-s OFDM QPSK	1	1	25.32	25.39	25.39	0	0.0
	1	39	25.45	25.53	25.43		
	1	76	25.37	25.48	25.42		
	36	0	25.26	25.17	25.18	≤ 1	1.0
	36	18	25.30	25.29	25.24	0	0.0
	36	36	25.23	25.10	25.10	≤ 1	1.0
	75	0	25.07	25.10	25.18		
DFT-s OFDM 16QAM	1	1	24.36	24.41	24.40	≤ 1	1.0
	1	39	24.51	24.70	24.63		
	1	76	24.47	24.63	24.46		
DFT-s OFDM 64QAM	1	1	22.84	22.96	22.97	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.85	20.92	20.90	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.02	24.02	24.10	≤ 1.5	1.5

Table 8.4.13.9 NR Conducted Power

NR Band n77 DoD Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			630668 (3 460.02 MHz)	633334 (3 500.01 MHz)	636000 (3 540.00 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	25.21	25.26	25.17	0	0.0
	1	25	25.32	25.34	25.39		
	1	49	25.23	25.19	25.15		
	25	0	25.25	25.09	25.19	≤ 0.5	0.5
	25	12	25.26	25.21	25.26	0	0.0
	25	25	25.05	24.97	24.94	≤ 0.5	0.5
	50	0	25.07	24.96	25.09		
DFT-s OFDM QPSK	1	1	25.36	25.28	25.20	0	0.0
	1	25	25.52	25.34	25.53		
	1	49	25.46	25.26	25.41		
	25	0	25.32	25.14	25.26	≤ 1	1.0
	25	12	25.34	25.26	25.32	0	0.0
	25	25	25.16	25.20	25.05	≤ 1	1.0
	50	0	25.13	25.07	25.14		
DFT-s OFDM 16QAM	1	1	24.39	24.37	24.34	≤ 1	1.0
	1	25	24.67	24.51	24.53		
	1	49	24.61	24.40	24.52		
DFT-s OFDM 64QAM	1	1	22.97	22.83	22.80	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.99	20.82	20.83	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.04	24.01	24.16	≤ 1.5	1.5

Table 8.4.13.10 NR Conducted Power

NR Band n77 DoD Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			630334 (3 455.01 MHz)	633334 (3 500.01 MHz)	636332 (3 544.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	25.23	25.20	25.27	0	0.0
	1	12	25.32	25.30	25.28		
	1	22	25.21	25.27	25.24		
	12	0	24.90	25.04	25.16	≤ 0.5	0.5
	12	6	25.17	25.16	25.24	0	0.0
	12	12	25.01	25.12	24.88	≤ 0.5	0.5
	24	0	24.98	24.97	24.95		
DFT-s OFDM QPSK	1	1	25.40	25.29	25.29	0	0.0
	1	12	25.51	25.37	25.43		
	1	22	25.49	25.36	25.34		
	12	0	25.09	25.17	25.22	≤ 1	1.0
	12	6	25.39	25.33	25.36	0	0.0
	12	12	25.25	25.21	25.11	≤ 1	1.0
	24	0	25.01	25.06	25.04		
DFT-s OFDM 16QAM	1	1	24.45	24.32	24.46	≤ 1	1.0
	1	12	24.56	24.48	24.54		
	1	22	24.55	24.45	24.46		
DFT-s OFDM 64QAM	1	1	22.97	22.81	22.85	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.92	20.86	20.96	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.97	23.97	24.11	≤ 1.5	1.5

Table 8.4.13.11 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
2A-77A	Body	DFT-s OFDM QPSK	1	107	40	1880.0	376000	DFT-s OFDM QPSK	1	136	100	3500.01	633334	0	22.65	40	25.65	100	0	22.00	25.00	20.45	23.46
5A-77A	Body	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.29	20	25.65	100	0	22.00	25.00	20.64	23.47
7A-77A	Body	DFT-s OFDM QPSK	1	107	40	2535.0	507000	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.35	40	25.65	100	0	22.00	25.00	20.10	23.53
12A-77A	Body	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.87	15	25.65	100	0	22.00	25.00	20.63	23.48
13A-77A	Body	DFT-s OFDM QPSK	1	25	10	782.0	156400	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.19	10	25.65	100	0	22.00	25.00	20.94	23.65
14A-77A	Body	DFT-s OFDM QPSK	1	25	10	793.0	158600	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.14	10	25.65	100	0	22.00	25.00	21.07	23.94
25A-77A	Body	DFT-s OFDM QPSK	1	107	40	1882.5	376500	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.88	40	25.65	100	0	22.00	25.00	20.67	23.41
26A-77A	Body	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.86	20	25.65	100	0	22.00	25.00	20.70	23.57
66A-77A	Body	DFT-s OFDM QPSK	1	107	40	1745.0	349000	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	23.01	40	25.65	100	0	22.00	25.00	20.86	23.61
71A-77A	Body	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3500.0	633334	0	22.93	20	25.65	100	0	22.00	25.00	20.76	23.36

Table 8.4.13.12 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n77 (ENDC)	Maximum	23.5
	Nominal	21.5

Table 8.4.13-1.1 Nominal and Maximum Output Power Spec

13-1) NR Band n77 DoD (ENDC)

NR Band n77 DoD Conducted Power– 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.17	0	0.0
	1	136	22.30		
	1	271	22.16		
	135	0	21.68	≤ 0.5	0.5
	135	67	22.23	0	0.0
	135	135	21.81	≤ 0.5	0.5
	270	0	21.79		
DFT-s OFDM QPSK	1	1	22.27	0	0.0
	1	136	22.36		
	1	271	22.30		
	135	0	21.77	≤ 1	1.0
	135	67	22.30	0	0.0
	135	135	21.85	≤ 1	1.0
	270	0	21.90		
DFT-s OFDM 16QAM	1	1	21.42	≤ 1	1.0
	1	136	21.88		
	1	271	21.38		
DFT-s OFDM 64QAM	1	1	19.90	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.91	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.89	≤ 1.5	1.5

Table 8.4.13-1.2 NR Conducted Power

NR Band n77 DoD Conducted Power– 90 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	21.95	0	0.0
	1	122	22.05		
	1	243	21.96		
	120	0	21.80	≤ 0.5	0.5
	120	60	22.02	0	0.0
	120	120	21.67	≤ 0.5	0.5
	243	0	21.74		
DFT-s OFDM QPSK	1	1	22.06	0	0.0
	1	122	22.16		
	1	243	22.07		
	120	0	21.83	≤ 1	1.0
	120	60	22.14	0	0.0
	120	120	21.73	≤ 1	1.0
	243	0	21.77		
DFT-s OFDM 16QAM	1	1	21.26	≤ 1	1.0
	1	122	21.41		
	1	243	21.38		
DFT-s OFDM 64QAM	1	1	19.57	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.86	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.86	≤ 1.5	1.5

Table 8.4.13-1.3 NR Conducted Power

NR Band n77 DoD Conducted Power– 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	21.92	0	0.0
	1	108	22.03		
	1	215	21.93		
	108	0	21.62	≤ 0.5	0.5
	108	54	22.02	0	0.0
	108	108	21.72	≤ 0.5	0.5
	216	0	21.82		
DFT-s OFDM QPSK	1	1	21.99	0	0.0
	1	108	22.10		
	1	215	21.94		
	108	0	21.74	≤ 1	1.0
	108	54	22.09	0	0.0
	108	108	21.78	≤ 1	1.0
	216	0	21.85		
DFT-s OFDM 16QAM	1	1	21.04	≤ 1	1.0
	1	108	21.23		
	1	215	21.03		
DFT-s OFDM 64QAM	1	1	19.64	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.58	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.61	≤ 1.5	1.5

Table 8.4.13-1.4 NR Conducted Power

NR Band n77 DoD Conducted Power– 70 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	21.89	0	0.0
	1	94	22.01		
	1	187	21.89		
	90	0	21.77	≤ 0.5	0.5
	90	45	21.93	0	0.0
	90	90	21.68	≤ 0.5	0.5
	180	0	21.68		
DFT-s OFDM QPSK	1	1	22.01	0	0.0
	1	94	22.10		
	1	187	22.00		
	90	0	21.89	≤ 1	1.0
	90	45	22.05	0	0.0
	90	90	21.80	≤ 1	1.0
	180	0	21.71		
DFT-s OFDM 16QAM	1	1	21.09	≤ 1	1.0
	1	94	21.21		
	1	187	21.08		
DFT-s OFDM 64QAM	1	1	19.51	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.63	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.65	≤ 1.5	1.5

Table 8.4.13-1.5 NR Conducted Power

NR Band n77 DoD Conducted Power– 60 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			633334 (3 500.01 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	21.96	0	0.0
	1	80	21.97		
	1	160	21.93		
	81	0	21.64	≤ 0.5	0.5
	81	40	21.89	0	0.0
	81	81	21.72	≤ 0.5	0.5
	162	0	21.62		
DFT-s OFDM QPSK	1	1	22.06	0	0.0
	1	80	22.09		
	1	160	22.08		
	81	0	21.82	≤ 1	1.0
	81	40	21.93	0	0.0
	81	81	21.86	≤ 1	1.0
	162	0	21.68		
DFT-s OFDM 16QAM	1	1	21.19	≤ 1	1.0
	1	80	21.23		
	1	160	21.16		
DFT-s OFDM 64QAM	1	1	19.64	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.58	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.64	≤ 1.5	1.5

Table 8.4.13-1.6 NR Conducted Power

NR Band n77 DoD Conducted Power– 50 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			631668 (3 475.02 MHz)	635000 (3 525.00 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM π/2 BPSK	1	1	21.89	21.85	0	0.0
	1	66	21.95	22.07		
	1	131	21.91	21.88		
	64	0	21.64	21.71	≤ 0.5	0.5
	64	32	21.91	21.98	0	0.0
	64	64	21.67	21.72	≤ 0.5	0.5
	128	0	21.78	21.79		
DFT-s OFDM QPSK	1	1	21.97	21.95	0	0.0
	1	66	22.20	22.08		
	1	131	21.98	21.99		
	64	0	21.78	21.84	≤ 1	1.0
	64	32	22.13	22.02	0	0.0
	64	64	21.84	21.78	≤ 1	1.0
	128	0	21.87	21.79		
DFT-s OFDM 16QAM	1	1	21.05	21.16	≤ 1	1.0
	1	66	21.32	21.19		
	1	131	21.28	21.07		
DFT-s OFDM 64QAM	1	1	19.49	19.60	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.49	17.52	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.64	20.75	≤ 1.5	1.5

Table 8.4.13-1.7 NR Conducted Power

NR Band n77 DoD Conducted Power-- 40 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			631334 (3 470.01 MHz)	635332 (3 529.98 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	22.12	21.84	0	0.0
	1	52	22.25	22.10		
	1	104	22.02	21.96		
	50	0	21.76	21.68	≤ 0.5	0.5
	50	25	22.00	21.91	0	0.0
	50	50	21.71	21.65	≤ 0.5	0.5
	100	0	21.64	21.69		
DFT-s OFDM QPSK	1	1	22.18	22.04	0	0.0
	1	52	22.28	22.22		
	1	104	22.27	22.15		
	50	0	21.87	21.86	≤ 1	1.0
	50	25	22.15	22.11	0	0.0
	50	50	21.85	21.87	≤ 1	1.0
	100	0	21.74	21.76		
DFT-s OFDM 16QAM	1	1	21.20	21.07	≤ 1	1.0
	1	52	21.37	21.28		
	1	104	21.30	21.21		
DFT-s OFDM 64QAM	1	1	19.72	19.62	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.70	17.61	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.83	20.79	≤ 1.5	1.5

Table 8.4.13-1.8 NR Conducted Power

NR Band n77 DoD Conducted Power- 30 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			631000 (3 465.00 MHz)	633334 (3 500.01 MHz)	635666 (3 534.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	21.94	21.87	21.89	0	0.0
	1	39	21.99	22.14	22.04		
	1	76	21.97	21.99	21.93		
	36	0	21.69	21.58	21.69	≤ 0.5	0.5
	36	18	21.88	21.92	21.84	0	0.0
	36	36	21.79	21.68	21.59	≤ 0.5	0.5
	75	0	21.66	21.82	21.75		
DFT-s OFDM QPSK	1	1	22.05	22.06	22.05	0	0.0
	1	39	22.16	22.20	22.07		
	1	76	22.15	22.18	22.00		
	36	0	21.87	21.87	21.92	≤ 1	1.0
	36	18	22.01	22.04	21.99	0	0.0
	36	36	21.92	21.84	21.75	≤ 1	1.0
	75	0	21.80	21.85	21.88		
DFT-s OFDM 16QAM	1	1	21.10	21.19	21.09	≤ 1	1.0
	1	39	21.27	21.38	21.42		
	1	76	21.26	21.36	21.10		
DFT-s OFDM 64QAM	1	1	19.60	19.66	19.61	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.58	17.59	17.68	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.69	20.70	20.78	≤ 1.5	1.5

Table 8.4.13-1.9 NR Conducted Power

NR Band n77 DoD Conducted Power-- 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			630668 (3 460.02 MHz)	633334 (3 500.01 MHz)	636000 (3 540.00 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	21.89	21.90	21.90	0	0.0
	1	25	22.02	21.99	22.07		
	1	49	21.93	21.91	21.87		
	25	0	21.78	21.77	21.81	≤ 0.5	0.5
	25	12	21.96	21.82	21.96	0	0.0
	25	25	21.67	21.73	21.63	≤ 0.5	0.5
	50	0	21.76	21.59	21.87		
DFT-s OFDM QPSK	1	1	22.03	21.93	21.94	0	0.0
	1	25	22.19	22.01	22.19		
	1	49	22.15	21.95	22.11		
	25	0	21.82	21.85	21.85	≤ 1	1.0
	25	12	22.04	21.92	22.04	0	0.0
	25	25	21.86	21.88	21.83	≤ 1	1.0
	50	0	21.83	21.76	21.88		
DFT-s OFDM 16QAM	1	1	21.07	21.05	21.03	≤ 1	1.0
	1	25	21.42	21.30	21.25		
	1	49	21.33	21.13	21.17		
DFT-s OFDM 64QAM	1	1	19.71	19.52	19.47	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.74	17.56	17.60	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.79	20.66	20.77	≤ 1.5	1.5

Table 8.4.13-1.10 NR Conducted Power

NR Band n77 DoD Conducted Power-- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			630334 (3 455.01 MHz)	633334 (3 500.01 MHz)	636332 (3 544.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.00	21.93	21.99	0	0.0
	1	12	22.00	22.02	22.00		
	1	22	21.93	21.95	21.93		
	12	0	21.65	21.70	21.27	≤ 0.5	0.5
	12	6	21.88	21.90	21.94	0	0.0
	12	12	21.74	21.80	21.20	≤ 0.5	0.5
	24	0	21.69	21.66	21.33		
DFT-s OFDM QPSK	1	1	22.13	22.00	22.00	0	0.0
	1	12	22.21	22.04	22.05		
	1	22	22.19	22.00	22.03		
	12	0	21.78	21.87	21.32	≤ 1	1.0
	12	6	22.14	22.02	21.96	0	0.0
	12	12	21.88	21.91	21.27	≤ 1	1.0
	24	0	21.71	21.80	21.36		
DFT-s OFDM 16QAM	1	1	21.16	21.06	21.11	≤ 1	1.0
	1	12	21.26	21.18	21.25		
	1	22	21.24	21.10	21.15		
DFT-s OFDM 64QAM	1	1	19.67	19.52	19.56	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.66	17.61	17.68	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.66	20.72	20.85	≤ 1.5	1.5

Table 8.4.13-1.11 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n77	Maximum	27.0
	Nominal	25.0

Table 8.4.14.1 Nominal and Maximum Output Power Spec

14) NR Band n77

NR Band n77 Conducted Power– 100 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)	662000 (3 930.00 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM π/2 BPSK	1	1	25.46	25.42	0	0.0
	1	136	25.61	25.55		
	1	271	25.45	25.32		
	135	0	25.29	24.97	≤ 0.5	0.5
	135	67	25.48	25.33	0	0.0
	135	135	25.35	24.93	≤ 0.5	0.5
	270	0	25.03	24.99		
DFT-s OFDM QPSK	1	1	25.63	25.50	0	0.0
	1	136	25.68	25.64		
	1	271	25.55	25.41		
	135	0	25.42	25.10	≤ 1	1.0
	135	67	25.64	25.55	0	0.0
	135	135	25.45	25.07	≤ 1	1.0
	270	0	25.15	25.09		
DFT-s OFDM 16QAM	1	1	24.80	24.69	≤ 1	1.0
	1	136	24.88	24.79		
	1	271	24.59	24.65		
DFT-s OFDM 64QAM	1	1	23.19	23.00	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.15	21.05	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.46	24.33	≤ 1.5	1.5

Table 8.4.14.2 NR Conducted Power

NR Band n77 Conducted Power– 90 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			649668 (3 745.02 MHz)	656000 (3 840.00 MHz)	662332 (3 934.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	25.46	25.45	25.46	0	0.0
	1	122	25.52	25.45	25.56		
	1	243	25.43	25.37	25.41		
	120	0	25.02	25.07	25.06	≤ 0.5	0.5
	120	60	25.31	25.23	25.24	0	0.0
	120	120	25.00	24.93	25.05	≤ 0.5	0.5
	243	0	24.94	24.90	24.96		
DFT-s OFDM QPSK	1	1	25.52	25.51	25.51	0	0.0
	1	122	25.55	25.53	25.58		
	1	243	25.45	25.43	25.51		
	120	0	25.15	25.07	25.06	≤ 1	1.0
	120	60	25.40	25.29	25.30	0	0.0
	120	120	25.07	25.03	25.10	≤ 1	1.0
	243	0	25.08	24.94	25.01		
DFT-s OFDM 16QAM	1	1	24.57	24.55	24.55	≤ 1	1.0
	1	122	24.60	24.59	24.62		
	1	243	24.54	24.57	24.57		
DFT-s OFDM 64QAM	1	1	23.14	23.04	23.26	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.05	21.12	21.12	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.44	24.52	24.36	≤ 1.5	1.5

Table 8.4.14.3 NR Conducted Power

NR Band n77 Conducted Power– 80 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			649334 (3 740.01 MHz)	656000 (3 840.00 MHz)	662666 (3 939.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	25.52	25.29	25.38	0	0.0
	1	108	25.56	25.41	25.48		
	1	215	25.47	25.33	25.38		
	108	0	24.92	24.94	25.00	≤ 0.5	0.5
	108	54	25.25	25.25	25.24	0	0.0
	108	108	25.00	25.11	24.99	≤ 0.5	0.5
	216	0	24.79	24.91	24.95		
DFT-s OFDM QPSK	1	1	25.54	25.31	25.50	0	0.0
	1	108	25.58	25.47	25.54		
	1	215	25.47	25.41	25.52		
	108	0	25.16	24.96	25.05	≤ 1	1.0
	108	54	25.40	25.38	25.31	0	0.0
	108	108	25.13	25.16	25.08	≤ 1	1.0
	216	0	25.01	24.94	24.95		
DFT-s OFDM 16QAM	1	1	24.57	24.46	24.52	≤ 1	1.0
	1	108	24.62	24.51	24.56		
	1	215	24.49	24.50	24.56		
DFT-s OFDM 64QAM	1	1	23.06	22.90	23.15	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.11	21.00	21.06	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.37	24.42	24.35	≤ 1.5	1.5

Table 8.4.14.4 NR Conducted Power

NR Band n77 Conducted Power– 70 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			649000 (3 735.00 MHz)	653666 (3 804.99 MHz)	658334 (3 875.01 MHz)	663000 (3 945.00 MHz)		
			Conducted Power (dBm)					
DFT-s OFDM π/2 BPSK	1	1	25.33	25.39	25.34	25.31	0	0.0
	1	94	25.47	25.42	25.49	25.42		
	1	187	25.41	25.40	25.27	25.37		
	90	0	24.96	24.90	24.97	24.92	≤ 0.5	0.5
	90	45	25.20	25.22	25.21	25.15	0	0.0
	90	90	24.92	24.90	24.97	24.95	≤ 0.5	0.5
	180	0	24.84	24.95	24.76	24.87		
DFT-s OFDM QPSK	1	1	25.36	25.47	25.36	25.43	0	0.0
	1	94	25.53	25.48	25.52	25.57		
	1	187	25.46	25.43	25.40	25.48		
	90	0	25.02	25.08	25.06	25.05	≤ 1	1.0
	90	45	25.32	25.35	25.31	25.33	0	0.0
	90	90	24.94	25.08	25.08	25.05	≤ 1	1.0
	180	0	24.99	25.03	24.95	25.06		
DFT-s OFDM 16QAM	1	1	24.48	24.49	24.42	24.46	≤ 1	1.0
	1	94	24.61	24.54	24.62	24.70		
	1	187	24.54	24.50	24.47	24.49		
DFT-s OFDM 64QAM	1	1	23.05	22.98	22.95	23.02	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.99	21.11	20.98	21.01	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.39	24.40	24.34	24.40	≤ 1.5	1.5

Table 8.4.14.5 NR Conducted Power

NR Band n77 Conducted Power-- 60 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648668 (3 730.02 MHz)	653556 (3 803.34 MHz)	658444 (3 976.66 MHz)	663332 (3 949.98 MHz)		
			Conducted Power (dBm)					
DFT-s OFDM $\pi/2$ BPSK	1	1	25.25	25.25	25.35	25.40	0	0.0
	1	80	25.38	25.33	25.43	25.51		
	1	160	25.30	25.18	25.40	25.49		
	81	0	25.00	25.08	24.95	24.99	≤ 0.5	0.5
	81	40	25.25	25.25	25.21	25.22	0	0.0
	81	81	24.97	24.92	24.84	24.87	≤ 0.5	0.5
	162	0	24.92	24.86	24.85	24.90		
DFT-s OFDM QPSK	1	1	25.31	25.40	25.48	25.48	0	0.0
	1	80	25.57	25.53	25.53	25.61		
	1	160	25.43	25.41	25.43	25.55		
	81	0	25.07	25.12	25.03	25.03	≤ 1	1.0
	81	40	25.36	25.41	25.31	25.28	0	0.0
	81	81	25.13	25.08	25.05	25.13	≤ 1	1.0
	162	0	25.01	24.96	24.99	24.99		
DFT-s OFDM 16QAM	1	1	24.40	24.57	24.54	24.56	≤ 1	1.0
	1	80	24.67	24.61	24.61	24.66		
	1	160	24.48	24.51	24.43	24.55		
DFT-s OFDM 64QAM	1	1	22.95	22.93	23.08	23.06	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.98	21.13	20.99	21.00	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.47	24.47	24.35	24.33	≤ 1.5	1.5

Table 8.4.14.6 NR Conducted Power

NR Band n77 Conducted Power– 50 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)
			648334 (3 725.01 MHz)	652166 (3 782.49 MHz)	656000 (3 840.00 MHz)	659834 (3 897.51 MHz)	663666 (3 954.99 MHz)		
			Conducted Power (dBm)						
DFT-s OFDM $\pi/2$ BPSK	1	1	25.27	25.35	25.38	25.25	25.32	0	0.0
	1	66	25.35	25.46	25.48	25.40	25.48		
	1	131	25.32	25.33	25.42	25.32	25.42		
	64	0	24.87	24.99	24.81	25.09	24.98	≤ 0.5	0.5
	64	32	25.19	25.21	25.27	25.27	25.28	0	0.0
	64	64	24.86	25.00	24.96	24.97	24.99	≤ 0.5	0.5
DFT-s OFDM QPSK	128	0	24.79	24.92	24.91	24.86	24.92	0	0.0
	1	1	25.32	25.44	25.45	25.38	25.42		
	1	66	25.54	25.50	25.56	25.49	25.51		
	1	131	25.50	25.41	25.53	25.33	25.48	≤ 1	1.0
	64	0	24.99	25.06	25.02	25.11	25.10		
	64	32	25.42	25.35	25.36	25.36	25.36		
DFT-s OFDM 16QAM	64	64	25.01	25.17	25.10	25.10	25.09	0	0.0
	128	0	24.86	25.08	25.02	25.00	24.99	≤ 1	1.0
	1	1	24.45	24.52	24.47	24.54	24.51	≤ 1	1.0
1	66	24.58	24.67	24.77	24.57	24.57			
1	131	24.56	24.61	24.69	24.50	24.52			
DFT-s OFDM 64QAM	1	1	22.86	23.01	23.00	22.93	23.03	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.06	21.11	21.14	20.98	21.11	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.36	24.41	24.35	24.28	24.36	≤ 1.5	1.5

Table 8.4.14.7 NR Conducted Power

NR Band n77 Conducted Power-- 40 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-A Channel	Mid-B Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648000 (3 720.00 MHz)	651200 (3 768.00 MHz)	654400 (3 816.00 MHz)	657600 (3 864.00 MHz)	660800 (3 912.00 MHz)	664000 (3 960.00 MHz)		
			Conducted Power (dBm)							
DFT-s OFDM $\pi/2$ BPSK	1	1	25.37	25.30	25.28	25.37	25.27	25.34	0	0.0
	1	52	25.38	25.46	25.45	25.40	25.46	25.34		
	1	104	25.31	25.45	25.36	25.38	25.31	25.32		
	50	0	24.97	25.01	24.79	24.95	25.06	25.00	≤ 0.5	0.5
	50	25	25.21	25.24	25.30	25.25	25.40	25.29	0	0.0
	50	50	24.90	24.98	24.80	24.91	24.83	24.90	≤ 0.5	0.5
	100	0	24.94	24.96	24.87	24.82	24.74	24.84		
DFT-s OFDM QPSK	1	1	25.40	25.42	25.43	25.48	25.39	25.42	0	0.0
	1	52	25.52	25.51	25.49	25.51	25.49	25.45		
	1	104	25.44	25.48	25.44	25.41	25.45	25.37		
	50	0	25.13	25.12	24.94	25.07	25.10	25.08	≤ 1	1.0
	50	25	25.25	25.34	25.36	25.29	25.45	25.38	0	0.0
	50	50	25.07	25.13	25.02	25.11	24.95	25.03	≤ 1	1.0
	100	0	25.10	25.10	25.00	25.00	24.85	24.97		
DFT-s OFDM 16QAM	1	1	24.48	24.47	24.43	24.49	24.57	24.44	≤ 1	1.0
	1	52	24.53	24.57	24.58	24.58	24.61	24.56		
	1	104	24.51	24.52	24.49	24.43	24.53	24.42		
DFT-s OFDM 64QAM	1	1	23.06	23.05	22.95	23.05	23.01	22.97	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.06	21.13	21.02	21.00	21.07	20.99	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.39	24.49	24.39	24.38	24.41	24.37	≤ 1.5	1.5

Table 8.4.14.8 NR Conducted Power

NR Band n77 Conducted Power– 30 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-A Channel	Mid-B Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647668 (3 715.02 MHz)	651000 (3 765.00 MHz)	654334 (3 815.01 MHz)	657666 (3 864.99 MHz)	661000 (3 915.00 MHz)	664332 (3 964.98 MHz)		
			Conducted Power (dBm)							
DFT-s OFDM $\pi/2$ BPSK	1	1	25.39	25.25	25.30	25.38	25.34	25.29	0	0.0
	1	39	25.46	25.33	25.32	25.39	25.37	25.37		
	1	76	25.42	25.32	25.27	25.33	25.33	25.26		
	36	0	24.97	25.04	25.00	25.02	24.88	24.98	≤ 0.5	0.5
	36	18	25.14	25.30	25.16	25.31	25.29	25.31	0	0.0
	36	36	24.98	24.89	25.01	25.04	24.84	25.00	≤ 0.5	0.5
	75	0	24.97	24.92	24.92	25.06	24.90	24.91		
DFT-s OFDM QPSK	1	1	25.49	25.37	25.40	25.41	25.44	25.37	0	0.0
	1	39	25.52	25.40	25.44	25.50	25.51	25.52		
	1	76	25.42	25.40	25.41	25.39	25.48	25.32		
	36	0	25.11	25.15	25.10	25.12	25.00	25.09	≤ 1	1.0
	36	18	25.27	25.37	25.28	25.35	25.35	25.34	0	0.0
	36	36	25.13	25.06	25.12	25.12	24.93	25.06	≤ 1	1.0
75	0	25.08	25.06	25.05	25.14	24.93	25.04			
DFT-s OFDM 16QAM	1	1	24.51	24.41	24.56	24.47	24.51	24.48	≤ 1	1.0
	1	39	24.59	24.63	24.61	24.58	24.57	24.59		
	1	76	24.54	24.52	24.42	24.45	24.49	24.48		
DFT-s OFDM 64QAM	1	1	23.07	22.91	23.02	22.94	22.99	22.91	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.06	21.11	21.00	21.08	21.12	21.13	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.39	24.39	24.43	24.32	24.40	24.42	≤ 1.5	1.5

Table 8.4.14.9 NR Conducted Power

NR Band n77 Conducted Power-- 20 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-A Channel	Mid-B Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647334 (3 710.01 MHz)	650800 (3 762.00 MHz)	654266 (3 813.99 MHz)	657734 (3 866.01 MHz)	661200 (3 918.00 MHz)	664666 (3 969.99 MHz)		
			Conducted Power (dBm)							
DFT-s OFDM $\pi/2$ BPSK	1	1	25.34	25.36	25.28	25.32	25.31	25.30	0	0.0
	1	25	25.37	25.45	25.28	25.35	25.41	25.48		
	1	49	25.31	25.38	25.27	25.33	25.36	25.28		
	25	0	24.88	24.99	24.84	24.93	24.88	24.98	≤ 0.5	0.5
	25	12	25.19	25.27	25.24	25.23	25.21	25.24	0	0.0
	25	25	24.89	24.91	24.86	25.03	25.03	24.98	≤ 0.5	0.5
	50	0	24.95	24.99	24.76	24.86	24.75	24.84		
DFT-s OFDM QPSK	1	1	25.36	25.41	25.37	25.38	25.35	25.41	0	0.0
	1	25	25.40	25.51	25.41	25.47	25.44	25.49		
	1	49	25.39	25.41	25.40	25.41	25.43	25.37		
	25	0	25.06	25.11	24.99	25.11	24.99	25.09	≤ 1	1.0
	25	12	25.27	25.41	25.28	25.27	25.36	25.29	0	0.0
	25	25	25.06	25.07	24.98	25.15	25.19	25.06	≤ 1	1.0
50	0	25.03	25.07	24.90	24.93	24.97	25.00			
DFT-s OFDM 16QAM	1	1	24.57	24.54	24.45	24.50	24.42	24.49	≤ 1	1.0
	1	25	24.60	24.59	24.57	24.57	24.57	24.59		
	1	49	24.57	24.57	24.51	24.46	24.52	24.53		
DFT-s OFDM 64QAM	1	1	22.95	22.95	22.99	22.97	22.89	23.04	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.09	21.16	21.01	21.07	21.10	21.08	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.48	24.32	24.35	24.33	24.36	24.39	≤ 1.5	1.5

Table 8.4.14.10 NR Conducted Power

NR Band n77 Conducted Power-- 10 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-A Channel	Mid-B Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647000 (3 705.00 MHz)	650600 (3 759.00 MHz)	654200 (3 813.00 MHz)	657800 (3 867.00 MHz)	661400 (3 921.00 MHz)	665000 (3 975.00 MHz)		
			Conducted Power (dBm)							
DFT-s OFDM π/2 BPSK	1	1	25.26	25.31	25.29	25.32	25.27	25.22	0	0.0
	1	12	25.29	25.38	25.32	25.33	25.35	25.41		
	1	22	25.24	25.37	25.23	25.24	25.29	25.34		
	12	0	25.16	25.28	25.18	25.22	25.20	25.19	≤ 0.5	0.5
	12	6	25.20	25.32	25.25	25.27	25.32	25.33	0	0.0
	12	12	25.08	25.25	25.05	25.23	25.19	25.28	≤ 0.5	0.5
DFT-s OFDM QPSK	24	0	24.92	24.93	24.72	24.73	24.70	24.81	0	0.0
	1	1	25.31	25.38	25.37	25.39	25.28	25.37		
	1	12	25.38	25.47	25.43	25.40	25.44	25.51		
	1	22	25.35	25.42	25.26	25.37	25.40	25.35	≤ 1	1.0
	12	0	25.27	25.34	25.31	25.34	25.26	25.35	0	0.0
	12	6	25.35	25.45	25.39	25.39	25.36	25.45	≤ 1	1.0
DFT-s OFDM 16QAM	12	12	25.21	25.44	25.27	25.28	25.31	25.33	≤ 1	1.0
	24	0	24.98	24.95	24.84	24.89	24.89	25.03		
DFT-s OFDM 64QAM	1	1	24.50	24.48	24.39	24.46	24.44	24.49		
	1	12	24.56	24.53	24.48	24.49	24.45	24.56		
	1	22	24.48	24.48	24.41	24.42	24.40	24.48		
DFT-s OFDM 64QAM	1	1	22.86	22.96	23.02	22.94	22.85	22.99	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	21.07	21.04	21.00	20.98	21.11	20.98	≤ 4.5	4.5
CP OFDM QPSK	1	1	24.44	24.30	24.36	24.20	24.34	24.30	≤ 1.5	1.5

Table 8.4.14.11 NR 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.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
2A-77A	Body	DFT-s OFDM QPSK	1	107	40	1880.0	376000	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.65	40	25.68	100	0	22.00	25.00	20.47	23.51
5A-77A	Body	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	23.29	20	25.68	100	0	22.00	25.00	20.88	23.63
7A-77A	Body	DFT-s OFDM QPSK	1	107	40	2535.0	507000	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.35	40	25.68	100	0	22.00	25.00	20.22	23.58
12A-77A	Body	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.87	15	25.68	100	0	22.00	25.00	20.85	23.69
13A-77A	Body	DFT-s OFDM QPSK	1	25	10	782.0	156400	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	23.19	10	25.68	100	0	22.00	25.00	21.03	23.67
14A-77A	Body	DFT-s OFDM QPSK	1	25	10	793.0	158600	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	23.14	10	25.68	100	0	22.00	25.00	21.16	23.64
25A-77A	Body	DFT-s OFDM QPSK	1	107	40	1882.5	376500	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.88	40	25.68	100	0	22.00	25.00	20.84	23.62
26A-77A	Body	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.86	20	25.68	100	0	22.00	25.00	20.88	23.51
66A-77A	Body	DFT-s OFDM QPSK	1	107	40	1745.0	349000	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	23.01	40	25.68	100	0	22.00	25.00	20.92	23.70
71A-77A	Body	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3750.0	650000	0	22.93	20	25.68	100	0	22.00	25.00	20.83	23.59

Table 8.4.14.12 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n77 (ENDC)	Maximum	23.5
	Nominal	21.5

Table 8.4.14-1.1 Nominal and Maximum Output Power Spec

14-1) NR Band n77 (ENDC)

NR Band n77 Conducted Power– 100 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)	662000 (3 930.00 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	22.26	22.21	0	0.0
	1	136	22.34	22.27		
	1	271	22.22	22.05		
	135	0	21.73	21.72	≤ 0.5	0.5
	135	67	22.21	22.14	0	0.0
	135	135	21.73	21.66	≤ 0.5	0.5
	270	0	21.77	21.74		
DFT-s OFDM QPSK	1	1	22.36	22.27	0	0.0
	1	136	22.45	22.44		
	1	271	22.30	22.15		
	135	0	21.86	21.84	≤ 1	1.0
	135	67	22.45	22.34	0	0.0
	135	135	21.88	21.87	≤ 1	1.0
	270	0	21.89	21.85		
DFT-s OFDM 16QAM	1	1	21.56	21.44	≤ 1	1.0
	1	136	21.64	21.51		
	1	271	21.39	21.42		
DFT-s OFDM 64QAM	1	1	19.93	19.81	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.96	17.79	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.27	21.11	≤ 1.5	1.5

Table 8.4.14-1.2 NR Conducted Power

NR Band n77 Conducted Power– 90 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			649668 (3 745.02 MHz)	656000 (3 840.00 MHz)	662332 (3 934.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.24	22.20	22.22	0	0.0
	1	122	22.28	22.21	22.33		
	1	243	22.22	22.09	22.17		
	120	0	21.83	21.75	21.66	≤ 0.5	0.5
	120	60	22.05	21.95	22.01	0	0.0
	120	120	21.74	21.74	21.83	≤ 0.5	0.5
243	0	21.72	21.69	21.72			
DFT-s OFDM QPSK	1	1	22.31	22.24	22.28	0	0.0
	1	122	22.32	22.31	22.36		
	1	243	22.24	22.20	22.29		
	120	0	21.87	21.81	21.78	≤ 1	1.0
	120	60	22.17	22.02	22.02	0	0.0
	120	120	21.81	21.80	21.84	≤ 1	1.0
243	0	21.88	21.73	21.80			
DFT-s OFDM 16QAM	1	1	21.34	21.29	21.31	≤ 1	1.0
	1	122	21.38	21.35	21.39		
	1	243	21.31	21.33	21.35		
DFT-s OFDM 64QAM	1	1	19.92	19.78	20.00	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.86	17.86	17.90	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.22	21.28	21.09	≤ 1.5	1.5

Table 8.4.14-1.3 NR Conducted Power

NR Band n77 Conducted Power– 80 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			649334 (3 740.01 MHz)	656000 (3 840.00 MHz)	662666 (3 939.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	22.12	22.00	22.19	0	0.0
	1	108	22.34	22.16	22.26		
	1	215	22.13	22.09	22.18		
	108	0	21.72	21.62	21.73	≤ 0.5	0.5
	108	54	21.97	21.98	22.02	0	0.0
	108	108	21.73	21.81	21.79	≤ 0.5	0.5
	216	0	21.53	21.65	21.71		
DFT-s OFDM QPSK	1	1	22.29	22.03	22.28	0	0.0
	1	108	22.39	22.22	22.34		
	1	215	22.19	22.19	22.27		
	108	0	21.83	21.69	21.82	≤ 1	1.0
	108	54	22.15	22.17	22.12	0	0.0
	108	108	21.90	21.88	21.83	≤ 1	1.0
	216	0	21.75	21.69	21.73		
DFT-s OFDM 16QAM	1	1	21.31	21.25	21.30	≤ 1	1.0
	1	108	21.39	21.29	21.41		
	1	215	21.22	21.22	21.37		
DFT-s OFDM 64QAM	1	1	19.81	19.71	19.90	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.86	17.78	17.78	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.15	21.17	21.08	≤ 1.5	1.5

Table 8.4.14-1.4 NR Conducted Power

NR Band n77 Conducted Power– 70 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			649000 (3 735.00 MHz)	653666 (3 804.99 MHz)	658334 (3 875.01 MHz)	663000 (3 945.00 MHz)		
			Conducted Power (dBm)					
DFT-s OFDM $\pi/2$ BPSK	1	1	22.07	22.19	22.04	22.03	0	0.0
	1	94	22.22	22.21	22.23	22.22		
	1	187	22.13	22.13	22.05	22.18		
	90	0	21.71	21.71	21.78	21.70	≤ 0.5	0.5
	90	45	21.97	21.94	21.95	21.89	0	0.0
	90	90	21.59	21.66	21.74	21.70	≤ 0.5	0.5
	180	0	21.57	21.69	21.53	21.65		
DFT-s OFDM QPSK	1	1	22.12	22.21	22.08	22.15	0	0.0
	1	94	22.28	22.29	22.26	22.29		
	1	187	22.18	22.20	22.17	22.22		
	90	0	21.83	21.86	21.86	21.81	≤ 1	1.0
	90	45	22.12	22.12	22.12	22.11	0	0.0
	90	90	21.68	21.88	21.84	21.84	≤ 1	1.0
	180	0	21.77	21.76	21.72	21.79		
DFT-s OFDM 16QAM	1	1	21.24	21.25	21.17	21.18	≤ 1	1.0
	1	94	21.37	21.34	21.43	21.45		
	1	187	21.27	21.27	21.26	21.28		
DFT-s OFDM 64QAM	1	1	19.85	19.80	19.76	19.77	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.72	17.83	17.75	17.77	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.14	21.14	21.08	21.12	≤ 1.5	1.5

Table 8.4.14-1.5 NR Conducted Power

NR Band n77 Conducted Power– 60 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648668 (3 730.02 MHz)	653556 (3 803.34 MHz)	658444 (3 976.66 MHz)	663332 (3 949.98 MHz)		
			Conducted Power (dBm)					
DFT-s OFDM $\pi/2$ BPSK	1	1	22.01	21.98	22.16	22.20	0	0.0
	1	80	22.16	22.12	22.23	22.30		
	1	160	22.05	21.92	22.14	22.25		
	81	0	21.77	21.81	21.68	21.76	≤ 0.5	0.5
	81	40	22.05	22.03	21.93	21.97	0	0.0
	81	81	21.73	21.73	21.65	21.61	≤ 0.5	0.5
	162	0	21.71	21.60	21.58	21.68		
DFT-s OFDM QPSK	1	1	22.04	22.13	22.28	22.21	0	0.0
	1	80	22.31	22.33	22.29	22.41		
	1	160	22.15	22.19	22.22	22.32		
	81	0	21.83	21.91	21.76	21.83	≤ 1	1.0
	81	40	22.11	22.13	22.08	22.06	0	0.0
	81	81	21.91	21.89	21.80	21.81	≤ 1	1.0
	162	0	21.74	21.72	21.80	21.75		
DFT-s OFDM 16QAM	1	1	21.18	21.35	21.28	21.31	≤ 1	1.0
	1	80	21.43	21.41	21.42	21.47		
	1	160	21.23	21.24	21.26	21.35		
DFT-s OFDM 64QAM	1	1	19.72	19.70	19.83	19.78	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.70	17.93	17.82	17.73	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.21	21.22	21.14	21.06	≤ 1.5	1.5

Table 8.4.14-1.6 NR Conducted Power

NR Band n77 Conducted Power– 50 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)
			648334 (3 725.01 MHz)	652166 (3 782.49 MHz)	656000 (3 840.00 MHz)	659834 (3 897.51 MHz)	663666 (3 954.99 MHz)		
			Conducted Power (dBm)						
DFT-s OFDM $\pi/2$ BPSK	1	1	22.04	22.12	22.12	22.06	22.04	0	0.0
	1	66	22.09	22.21	22.29	22.12	22.23		
	1	131	22.05	22.07	22.17	22.00	22.18		
	64	0	21.59	21.80	21.61	21.82	21.72	≤ 0.5	0.5
	64	32	21.98	21.94	22.07	22.05	22.09	0	0.0
	64	64	21.65	21.72	21.71	21.77	21.75	≤ 0.5	0.5
DFT-s OFDM QPSK	128	0	21.55	21.68	21.65	21.61	21.67	0	0.0
	1	1	22.07	22.21	22.25	22.17	22.20		
	1	66	22.38	22.24	22.39	22.23	22.28		
	1	131	22.30	22.15	22.33	22.07	22.24	≤ 1	1.0
	64	0	21.75	21.85	21.81	21.86	21.89		
	64	32	22.17	22.16	22.15	22.14	22.11		
DFT-s OFDM 16QAM	64	64	21.79	21.79	21.88	21.90	21.86	0	0.0
	128	0	21.67	21.81	21.82	21.76	21.72	≤ 1	1.0
	1	1	21.24	21.33	21.28	21.35	21.32	≤ 1	1.0
1	66	21.42	21.43	21.49	21.42	21.33			
1	131	21.30	21.41	21.42	21.24	21.30			
DFT-s OFDM 64QAM	1	1	19.64	19.78	19.81	19.72	19.83	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.83	17.86	17.90	17.79	17.88	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.12	21.15	21.13	21.07	21.12	≤ 1.5	1.5

Table 8.4.14-1.7 NR Conducted Power