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)	509898 (2 549.49 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	23.62	23.48	23.61	23.64	23.65	0	0.0
	1	26	23.46	23.43	23.54	23.46	23.65		
	1	49	23.64	23.49	23.62	23.66	23.77		
	25	0	22.80	22.81	22.87	22.80	22.87	≤ 0.5	0.5
	25	13	23.51	23.39	23.53	23.40	23.56	0	0.0
	25	26	22.84	22.85	22.81	22.81	22.85	≤ 0.5	0.5
	50	0	22.87	22.83	22.83	22.84	22.82		
DFT-s OFDM QPSK	1	1	23.65	23.51	23.64	23.67	23.67	0	0.0
	1	26	23.48	23.47	23.58	23.48	23.68		
	1	49	23.67	23.54	23.68	23.71	23.81		
	25	0	22.85	22.85	22.89	22.89	22.89	≤ 1	1.0
	25	13	23.55	23.44	23.57	23.50	23.58	0	0.0
	25	26	22.91	22.92	22.86	22.85	22.87	≤ 1	1.0
	50	0	22.91	22.87	22.86	22.89	22.84		
DFT-s OFDM 16QAM	1	1	22.68	22.53	22.80	22.69	22.69	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	21.43	21.34	21.17	21.19	21.21	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	19.23	19.06	19.17	19.20	19.19	≤ 4.5	4.5
CP OFDM QPSK	1	1	22.24	22.23	22.15	22.23	22.20	≤ 1.5	1.5

Table 9.5.9.8 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n38	Maximum	23.0
	Nominal	22.0

Table 9.5.10.1 Nominal and Maximum Output Power Spec

10) NR Band n38

NR Band n38 Conducted Power– 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 519000 (2 595.0 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	22.50	0	0.0
	1	26	22.50		
	1	49	22.64		
	25	0	21.85	≤ 0.5	0.5
	25	13	22.60	0	0.0
	25	26	21.82	≤ 0.5	0.5
	50	0	21.80		
DFT-s OFDM QPSK	1	1	22.53	0	0.0
	1	26	22.54		
	1	49	22.72		
	25	0	21.91	≤ 1	1.0
	25	13	22.64	0	0.0
	25	26	21.86	≤ 1	1.0
	50	0	21.84		
DFT-s OFDM 16QAM	1	1	21.78	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	20.06	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	18.05	≤ 4.5	4.5
CP OFDM QPSK	1	1	21.07	≤ 1.5	1.5

Table 9.5.10.2 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.

Band & Mode		Modulated Average[dBm]
NR Band n48	Maximum	19.3
	Nominal	18.3

Table 9.5.11.1 Nominal and Maximum Output Power Spec

11) NR Band n48

NR Band n48 Conducted Power– 40 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			638000 (3 570.00 MHz)	641666 (3 624.99 MHz)	645332 (3 679.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	18.73	18.88	19.02	0	0.0
	1	53	18.75	18.91	18.92		
	1	104	18.80	19.14	19.12		
	50	0	18.13	18.12	18.12	≤ 0.5	0.5
	50	28	18.76	19.00	18.63	0	0.0
	50	56	18.12	18.14	18.17	≤ 0.5	0.5
	100	0	18.15	18.15	18.13		
DFT-s OFDM QPSK	1	1	18.75	18.91	19.10	0	0.0
	1	53	18.91	19.01	18.96		
	1	**104**	**18.93**	**19.20**	**19.16**		
	50	0	18.20	18.17	18.15	≤ 1	1.0
	50	**28**	18.80	**19.06**	18.69	0	0.0
	50	56	18.21	18.19	18.20	≤ 1	1.0
	100	0	18.17	18.21	18.16		
DFT-s OFDM 16QAM	1	1	17.79	17.93	18.12	≤ 1	1.0
	1	53	17.96	18.08	17.99		
	1	104	18.02	18.21	18.19		
DFT-s OFDM 64QAM	1	1	16.31	16.42	16.62	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	14.26	14.46	14.65	≤ 4.5	4.5
CP OFDM QPSK	**1**	**1**	17.33	**17.66**	17.61	≤ 1.5	1.5

Table 9.5.11.2 NR Conducted Power

NR Band n48 Conducted Power– 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			637334 (3 560.01 MHz)	640222 (3 603.33 MHz)	643112 (3 646.68 MHz)	646000 (3 690.00 MHz)		
			Conducted Power (dBm)					
DFT-s OFDM π/2 BPSK	1	1	18.69	18.84	18.83	19.00	0	0.0
	1	26	18.74	19.05	18.91	19.03		
	1	49	18.94	19.06	18.98	19.07		
	25	0	18.16	18.13	18.12	18.14	≤ 0.5	0.5
	25	13	18.86	18.61	18.96	18.96	0	0.0
	25	26	18.10	18.11	18.12	18.15	≤ 0.5	0.5
	50	0	18.14	18.14	18.17	18.16		
DFT-s OFDM QPSK	1	1	18.73	18.98	18.97	19.02	0	0.0
	1	26	18.79	19.16	19.10	19.07		
	1	49	19.05	19.18	19.13	19.08		
	25	0	18.23	18.23	18.17	18.15	≤ 1	1.0
	25	13	18.88	18.63	19.03	19.02	0	0.0
	25	26	18.16	18.16	18.22	18.21	≤ 1	1.0
	50	0	18.18	18.19	18.19	18.17		
DFT-s OFDM 16QAM	1	1	17.76	18.03	18.01	18.04	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	16.28	16.51	16.52	16.55	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	14.30	14.53	14.49	14.59	≤ 4.5	4.5
CP OFDM QPSK	1	1	17.26	17.49	17.50	17.61	≤ 1.5	1.5

Table 9.5.11.3 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n77 DoD	Maximum	22.5
	Nominal	21.5

Table 9.5.12.1 Nominal and Maximum Output Power Spec

12) NR Band n77 DoD

NR Band n77 DoD Conducted Power– 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 633334 (3 500.01 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	21.81	0	0.0
	1	137	21.80		
	1	271	22.31		
	135	0	21.45	≤ 0.5	0.5
	135	69	22.27	0	0.0
	135	138	21.42	≤ 0.5	0.5
	270	0	21.39		
DFT-s OFDM QPSK	1	1	21.83	0	0.0
	1	137	21.82		
	1	**271**	**22.38**		
	135	0	21.47	≤ 1	1.0
	135	69	22.35	0	0.0
	135	138	21.49	≤ 1	1.0
	270	0	21.45		
DFT-s OFDM 16QAM	1	1	20.87	≤ 1	1.0
	1	137	20.85		
	1	271	21.41		
DFT-s OFDM 64QAM	1	1	19.67	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.36	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.36	≤ 1.5	1.5

Table 9.5.12.2 NR Conducted Power

NR Band n77 DoD Conducted Power– 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 633334 (3 500.01 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	21.98	0	0.0
	1	109	22.02		
	1	215	22.27		
	108	0	21.38	≤ 0.5	0.5
	108	55	22.15	0	0.0
	108	109	21.39	≤ 0.5	0.5
	216	0	21.40		
DFT-s OFDM QPSK	1	1	22.00	0	0.0
	1	109	22.06		
	1	215	22.30		
	108	0	21.43	≤ 1	1.0
	108	55	22.20	0	0.0
	108	109	21.40	≤ 1	1.0
	216	0	21.44		
DFT-s OFDM 16QAM	1	1	21.03	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.57	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.53	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.55	≤ 1.5	1.5

Table 9.5.12.3 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 π/2 BPSK	1	1	21.81	0	0.0
	1	81	21.86		
	1	160	22.21		
	81	0	21.37	≤ 0.5	0.5
	81	41	22.18	0	0.0
	81	81	21.38	≤ 0.5	0.5
	162	0	21.39		
DFT-s OFDM QPSK	1	1	21.82	0	0.0
	1	81	21.91		
	1	160	22.23		
	81	0	21.39	≤ 1	1.0
	81	41	22.20	0	0.0
	81	81	21.40	≤ 1	1.0
	162	0	21.43		
DFT-s OFDM 16QAM	1	1	20.86	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.44	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.39	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.39	≤ 1.5	1.5

Table 9.5.12.4 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 π/2 BPSK	1	1	21.86	21.88	0	0.0
	1	53	21.92	21.89		
	1	104	22.16	22.13		
	50	0	21.36	21.40	≤ 0.5	0.5
	50	28	22.13	22.11	0	0.0
	50	56	21.37	21.38	≤ 0.5	0.5
	100	0	21.39	21.38		
DFT-s OFDM QPSK	1	1	21.92	21.93	0	0.0
	1	53	21.95	21.94		
	1	104	22.20	22.16		
	50	0	21.42	21.41	≤ 1	1.0
	50	28	22.17	22.14	0	0.0
	50	56	21.39	21.42	≤ 1	1.0
	100	0	21.42	21.41		
DFT-s OFDM 16QAM	1	1	20.96	20.95	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.45	19.46	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.47	17.51	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.67	20.50	≤ 1.5	1.5

Table 9.5.12.5 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 (3 460.02MHz)	633334 (3 500.01 MHz)	636000 (3 540.00 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.10	21.81	21.91	0	0.0
	1	26	21.86	21.80	21.93		
	1	49	22.12	22.15	22.19		
	25	0	21.39	21.38	21.40	≤ 0.5	0.5
	25	13	22.03	22.11	22.17	0	0.0
	25	26	21.35	21.40	21.43	≤ 0.5	0.5
	50	0	21.35	21.41	21.37		
DFT-s OFDM QPSK	1	1	22.12	21.86	21.93	0	0.0
	1	26	21.92	21.83	21.98		
	1	49	22.15	22.19	22.22		
	25	0	21.43	21.39	21.42	≤ 1	1.0
	25	13	22.07	22.15	22.20	0	0.0
	25	26	21.40	21.42	21.45	≤ 1	1.0
	50	0	21.38	21.43	21.41		
DFT-s OFDM 16QAM	1	1	21.15	21.18	20.96	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.64	19.39	19.46	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.65	17.38	17.50	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.64	20.38	20.47	≤ 1.5	1.5

Table 9.5.12.6 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n77	Maximum	22.5
	Nominal	21.5

Table 9.5.13.1 Nominal and Maximum Output Power Spec

13) 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	22.21	21.88	0	0.0
	1	137	22.30	22.27		
	1	271	22.35	22.33		
	135	0	21.34	21.36	≤ 0.5	0.5
	135	69	22.34	21.95	0	0.0
	135	138	21.31	21.35	≤ 0.5	0.5
	270	0	21.36	21.37		
DFT-s OFDM QPSK	1	1	22.24	21.91	0	0.0
	1	137	22.32	22.30		
	1	**271**	**22.43**	**22.36**		
	135	0	21.36	21.39	≤ 1	1.0
	135	**69**	**22.39**	**21.98**	0	0.0
	135	138	21.39	21.41	≤ 1	1.0
	270	**0**	**21.44**	**21.39**		
DFT-s OFDM 16QAM	1	1	21.34	20.94	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.97	19.48	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.77	17.44	≤ 4.5	4.5
CP OFDM QPSK	**1**	**1**	**20.88**	20.46	≤ 1.5	1.5

Table 9.5.13.2 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 π/2 BPSK	1	1	22.32	22.03	21.96	0	0.0
	1	123	22.28	22.24	22.06		
	1	243	22.37	22.37	22.10		
	120	0	21.30	21.33	21.37	≤ 0.5	0.5
	120	63	22.35	22.12	21.92	0	0.0
	120	125	21.35	21.36	21.31	≤ 0.5	0.5
	243	0	21.33	21.34	21.35		
DFT-s OFDM QPSK	1	1	22.36	22.06	21.99	0	0.0
	1	123	22.30	22.27	22.10		
	1	243	22.40	22.41	22.12		
	120	0	21.34	21.41	21.45	≤ 1	1.0
	120	63	22.38	22.15	22.03	0	0.0
	120	125	21.42	21.39	21.39	≤ 1	1.0
	243	0	21.36	21.36	21.38		
DFT-s OFDM 16QAM	1	1	21.41	21.35	21.06	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.93	19.70	19.50	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.94	17.64	17.52	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.92	20.61	20.50	≤ 1.5	1.5

Table 9.5.13.3 NR Conducted Power

NR Band n77 Conducted Power– 60 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 648668 (3 730.02 MHz)	Low-Mid Channel 653556 (3 803.34 MHz)	Mid-High Channel 658444 (3 976.66 MHz)	High Channel 663332 (3 949.98 MHz)	MPR Allowed Per 3GPP(dB)	MPR (dB)
			Conducted Power (dBm)					
DFT-s OFDM π/2 BPSK	1	1	22.08	21.88	21.81	21.99	0	0.0
	1	67	22.03	21.94	22.05	22.20		
	1	131	22.11	22.00	22.26	22.36		
	64	0	21.34	21.35	21.30	21.38	≤ 0.5	0.5
	64	35	21.93	21.82	22.25	21.99	0	0.0
	64	69	21.36	21.31	21.30	21.36	≤ 0.5	0.5
	128	0	21.31	21.33	21.35	21.39		
DFT-s OFDM QPSK	1	1	22.12	21.96	22.05	22.07	0	0.0
	1	67	22.07	21.96	22.25	22.28		
	1	131	22.14	22.02	22.35	22.42		
	64	0	21.42	21.39	21.33	21.43	≤ 1	1.0
	64	35	21.97	21.87	22.32	22.03	0	0.0
	64	69	21.39	21.33	21.38	21.40	≤ 1	1.0
	128	0	21.33	21.34	21.41	21.43		
DFT-s OFDM 16QAM	1	1	21.14	21.00	21.08	21.09	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.89	19.71	19.64	19.66	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.66	17.55	17.58	17.59	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.68	20.49	20.60	20.72	≤ 1.5	1.5

Table 9.5.13.4 NR Conducted Power

NR Band n77 Conducted Power– 40 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel 648000 (3 720.00 MHz)	Low-Mid Channel 651200 (3 768.00 MHz)	Mid-A Channel 654400 (3 816.00 MHz)	Mid-B Channel 657600 (3 864.00 MHz)	Mid-High Channel 660800 (3 912.00 MHz)	High Channel 664000 (3 960.00 MHz)	MPR Allowed Per 3GPP(dB)	MPR (dB)
			Conducted Power (dBm)							
DFT-s OFDM π/2 BPSK	1	1	22.27	22.34	21.96	22.25	21.98	22.25	0	0.0
	1	53	22.02	21.93	22.00	22.02	22.02	22.01		
	1	104	22.32	22.38	22.17	22.29	22.19	22.30		
	50	0	21.37	21.35	21.32	21.31	21.37	21.32	≤ 0.5	0.5
	50	28	21.88	21.90	21.96	21.83	21.97	21.84	0	0.0
	50	56	21.31	21.33	21.36	21.37	21.37	21.33	≤ 0.5	0.5
	100	0	21.42	21.37	21.32	21.33	21.36	21.36		
DFT-s OFDM QPSK	1	1	22.33	22.38	22.10	22.28	22.06	22.28	0	0.0
	1	53	22.05	21.98	22.13	22.08	22.10	22.07		
	1	104	22.36	22.40	22.30	22.35	22.27	22.34		
	50	0	21.40	21.39	21.37	21.35	21.41	21.38	≤ 1	1.0
	50	28	21.94	21.95	22.06	21.87	22.08	21.91	0	0.0
	50	56	21.37	21.38	21.42	21.42	21.43	21.36	≤ 1	1.0
	100	0	21.43	21.42	21.42	21.38	21.38	21.39		
DFT-s OFDM 16QAM	1	1	21.46	21.44	21.14	21.31	21.13	21.32	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.87	19.93	19.70	19.79	19.62	19.87	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.88	17.96	17.64	17.79	17.65	17.82	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.91	20.95	20.66	20.82	20.69	20.79	≤ 1.5	1.5

Table 9.5.13.5 NR Conducted Power

NR Band n77 Conducted Power– 20 MHz Bandwidth										
Modulation	RB Size	RB Offset	Low Channel 647334 (3 710.01 MHz)	Low-Mid Channel 650800 (3 762.00 MHz)	Mid-A Channel 654266 (3 813.99 MHz)	Mid-B Channel 657734 (3 866.01 MHz)	Mid-High Channel 661200 (3 918.00 MHz)	High Channel 664666 (3 969.99 MHz)	MPR Allowed Per 3GPP(dB)	MPR (dB)
			Conducted Power (dBm)							
DFT-s OFDM π/2 BPSK	1	1	22.34	22.00	22.06	22.01	22.08	22.05	0	0.0
	1	26	22.24	22.01	22.00	22.03	22.06	22.00		
	1	49	22.38	22.18	22.29	22.20	22.28	22.21		
	25	0	21.33	21.39	21.34	21.34	21.32	21.36	≤ 0.5	0.5
	25	13	22.29	22.02	22.15	21.99	22.19	22.14	0	0.0
	25	26	21.35	21.36	21.32	21.38	21.37	21.35	≤ 0.5	0.5
	50	0	21.30	21.33	21.36	21.38	21.36	21.32		
DFT-s OFDM QPSK	1	1	22.37	22.05	22.09	22.08	22.12	22.08	0	0.0
	1	26	22.28	22.11	22.04	22.05	22.09	22.04		
	1	49	22.41	22.28	22.35	22.22	22.32	22.25		
	25	0	21.39	21.48	21.37	21.38	21.36	21.40	≤ 1	1.0
	25	13	22.33	22.08	22.18	22.04	22.23	22.17	0	0.0
	25	26	21.40	21.39	21.35	21.40	21.44	21.38	≤ 1	1.0
	50	0	21.35	21.38	21.39	21.42	21.40	21.36		
DFT-s OFDM 16QAM	1	1	21.39	21.13	21.14	21.20	21.19	21.16	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.89	19.65	19.70	19.64	19.65	19.61	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.95	17.69	17.63	17.71	17.75	17.75	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.95	20.62	20.67	20.71	20.66	20.64	≤ 1.5	1.5

Table 9.5.13.6 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n78	Maximum	22.5
	Nominal	21.5

Table 9.5.14.1 Nominal and Maximum Output Power Spec

14) NR Band n78

NR Band n78 Conducted Power– 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 633334 (3 500.01 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	21.81	0	0.0
	1	137	21.80		
	1	271	22.30		
	135	0	21.44	≤ 0.5	0.5
	135	69	22.26	0	0.0
	135	138	21.40	≤ 0.5	0.5
	270	0	21.37		
DFT-s OFDM QPSK	1	1	21.81	0	0.0
	1	137	21.80		
	1	271	22.36		
	135	0	21.46	≤ 1	1.0
	135	69	22.33	0	0.0
	135	138	21.46	≤ 1	1.0
	270	0	21.44		
DFT-s OFDM 16QAM	1	1	20.82	≤ 1	1.0
	1	137	20.81		
	1	271	21.40		
DFT-s OFDM 64QAM	1	1	19.66	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.35	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.33	≤ 1.5	1.5

Table 9.5.14.2 NR Conducted Power

NR Band n78 Conducted Power– 90 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 633334 (3 500.01 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	21.84	0	0.0
	1	123	22.00		
	1	243	22.04		
	120	0	21.40	≤ 0.5	0.5
	120	63	22.00	0	0.0
	120	125	21.34	≤ 0.5	0.5
	243	0	21.34		
DFT-s OFDM QPSK	1	1	21.92	0	0.0
	1	123	22.11		
	1	243	22.23		
	120	0	21.46	≤ 1	1.0
	120	63	22.05	0	0.0
	120	125	21.46	≤ 1	1.0
	243	0	21.39		
DFT-s OFDM 16QAM	1	1	20.98	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.86	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.49	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.49	≤ 1.5	1.5

Table 9.5.14.3 NR Conducted Power

NR Band n78 Conducted Power– 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 633334 (3 500.01 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	21.85	0	0.0
	1	109	21.94		
	1	215	22.10		
	108	0	21.36	≤ 0.5	0.5
	108	55	22.05	0	0.0
	108	109	21.30	≤ 0.5	0.5
	216	0	21.31		
DFT-s OFDM QPSK	1	1	21.99	0	0.0
	1	109	22.01		
	1	215	22.19		
	108	0	21.37	≤ 1	1.0
	108	55	22.15	0	0.0
	108	109	21.44	≤ 1	1.0
	216	0	21.32		
DFT-s OFDM 16QAM	1	1	20.99	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.85	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.52	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.53	≤ 1.5	1.5

Table 9.5.14.4 NR Conducted Power

NR Band n78 Conducted Power– 70 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 633334 (3 500.01 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	21.92	0	0.0
	1	95	21.95		
	1	187	22.02		
	90	0	21.31	≤ 0.5	0.5
	90	50	22.00	0	0.0
	90	99	21.33	≤ 0.5	0.5
	180	0	21.35		
DFT-s OFDM QPSK	1	1	21.94	0	0.0
	1	95	22.13		
	1	187	22.29		
	90	0	21.39	≤ 1	1.0
	90	50	22.18	0	0.0
	90	99	21.38	≤ 1	1.0
	180	0	21.39		
DFT-s OFDM 16QAM	1	1	20.98	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.80	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.47	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.49	≤ 1.5	1.5

Table 9.5.14.5 NR Conducted Power

NR Band n78 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 π/2 BPSK	1	1	21.80	0	0.0
	1	81	21.86		
	1	160	21.90		
	81	0	21.35	≤ 0.5	0.5
	81	41	21.89	0	0.0
	81	81	21.33	≤ 0.5	0.5
	162	0	21.34		
DFT-s OFDM QPSK	1	1	21.81	0	0.0
	1	81	21.90		
	1	160	22.10		
	81	0	21.36	≤ 1	1.0
	81	41	22.05	0	0.0
	81	81	21.37	≤ 1	1.0
	162	0	21.35		
DFT-s OFDM 16QAM	1	1	21.08	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.74	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.45	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.52	≤ 1.5	1.5

Table 9.5.14.6 NR Conducted Power

NR Band n78 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	21.80	21.80	0	0.0
	1	67	21.90	21.85		
	1	131	21.95	21.93		
	64	0	21.33	21.35	≤ 0.5	0.5
	64	35	21.93	21.90	0	0.0
	64	69	21.38	21.31	≤ 0.5	0.5
	128	0	21.35	21.34		
DFT-s OFDM QPSK	1	1	21.83	21.81	0	0.0
	1	67	21.95	21.86		
	1	131	21.98	21.98		
	64	0	21.36	21.37	≤ 1	1.0
	64	35	21.95	21.95	0	0.0
	64	69	21.40	21.40	≤ 1	1.0
	128	0	21.37	21.44		
DFT-s OFDM 16QAM	1	1	20.85	20.84	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.61	19.52	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.38	17.36	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.35	20.34	≤ 1.5	1.5

Table 9.5.14.7 NR Conducted Power

NR Band n78 Conducted Power– 40 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			631334 (3 470.01 MHz)	633334 (3 500.01 MHz)	635332 (3 529.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	21.80	21.80	21.81	0	0.0
	1	53	21.87	22.00	21.83		
	1	104	22.06	22.22	22.06		
	50	0	21.33	21.35	21.33	≤ 0.5	0.5
	50	28	22.00	22.20	22.03	0	0.0
	50	56	21.36	21.33	21.35	≤ 0.5	0.5
	100	0	21.35	21.31	21.33		
DFT-s OFDM QPSK	1	1	21.81	21.81	21.84	0	0.0
	1	53	21.93	22.03	21.90		
	1	104	22.14	22.23	22.15		
	50	0	21.36	21.38	21.38	≤ 1	1.0
	50	28	22.12	22.23	22.12	0	0.0
	50	56	21.37	21.37	21.40	≤ 1	1.0
	100	0	21.36	21.39	21.37		
DFT-s OFDM 16QAM	1	1	20.88	20.88	20.90	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.70	19.71	19.67	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.33	17.45	17.45	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.56	20.41	20.50	≤ 1.5	1.5

Table 9.5.14.8 NR Conducted Power

NR Band n78 Conducted Power– 30 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			631000 (3 465.00MHz)	633334 (3 500.01 MHz)	635666 (3 534.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	21.80	21.80	21.81	0	0.0
	1	39	21.87	22.00	21.83		
	1	76	22.06	22.22	22.06		
	36	0	21.33	21.35	21.33	≤ 0.5	0.5
	36	21	22.00	22.20	22.03	0	0.0
	36	42	21.36	21.33	21.35	≤ 0.5	0.5
	75	0	21.35	21.31	21.33		
DFT-s OFDM QPSK	1	1	21.81	21.81	21.84	0	0.0
	1	39	21.93	22.03	21.90		
	1	76	22.14	22.23	22.15		
	36	0	21.36	21.38	21.38	≤ 1	1.0
	36	21	22.12	22.23	22.12	0	0.0
	36	42	21.37	21.37	21.40	≤ 1	1.0
	75	0	21.36	21.39	21.37		
DFT-s OFDM 16QAM	1	1	20.88	20.88	20.90	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.70	19.71	19.67	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.33	17.45	17.45	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.56	20.41	20.50	≤ 1.5	1.5

Table 9.5.14.9 NR Conducted Power

NR Band n78 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	21.81	21.80	0	0.0
	1	26	21.90	21.82	21.83		
	1	49	22.06	22.05	21.90		
	25	0	21.39	21.35	21.35	≤ 0.5	0.5
	25	13	22.03	22.02	21.85	0	0.0
	25	26	21.31	21.33	21.30	≤ 0.5	0.5
	50	0	21.35	21.31	21.30		
DFT-s OFDM QPSK	1	1	21.90	21.82	21.81	0	0.0
	1	26	21.91	21.84	21.88		
	1	49	22.11	22.08	21.93		
	25	0	21.40	21.36	21.36	≤ 1	1.0
	25	13	22.05	22.04	21.90	0	0.0
	25	26	21.33	21.38	21.33	≤ 1	1.0
	50	0	21.36	21.40	21.34		
DFT-s OFDM 16QAM	1	1	20.92	20.85	20.82	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.54	19.66	19.73	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.50	17.40	17.32	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.53	20.41	20.31	≤ 1.5	1.5

Table 9.5.14.10 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n78	Maximum	22.5
	Nominal	21.5

Table 9.5.15.1 Nominal and Maximum Output Power Spec

15) NR Band n78

NR Band n78 Conducted Power– 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 650000 (3 750.00 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	22.20	0	0.0
	1	137	22.29		
	1	271	22.31		
	135	0	21.33	≤ 0.5	0.5
	135	69	22.30	0	0.0
	135	138	21.30	≤ 0.5	0.5
	270	0	21.35		
DFT-s OFDM QPSK	1	1	22.23	0	0.0
	1	137	22.30		
	1	271	22.41		
	135	0	21.35	≤ 1	1.0
	135	69	22.38	0	0.0
	135	138	21.36	≤ 1	1.0
	270	0	21.43		
DFT-s OFDM 16QAM	1	1	21.30	≤ 1	1.0
	1	137	21.31		
	1	271	21.46		
DFT-s OFDM 64QAM	1	1	19.96	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.75	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.86	≤ 1.5	1.5

Table 9.5.15.2 NR Conducted Power

NR Band n78 Conducted Power– 90 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 650000 (3 750.00 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	22.01	0	0.0
	1	123	22.10		
	1	243	22.11		
	120	0	21.31	≤ 0.5	0.5
	120	63	22.10	0	0.0
	120	125	21.31	≤ 0.5	0.5
	243	0	21.33		
DFT-s OFDM QPSK	1	1	22.16	0	0.0
	1	123	22.18		
	1	243	22.25		
	120	0	21.33	≤ 1	1.0
	120	63	22.12	0	0.0
	120	125	21.34	≤ 1	1.0
	243	0	21.34		
DFT-s OFDM 16QAM	1	1	21.19	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.76	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.75	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.69	≤ 1.5	1.5

Table 9.5.15.3 NR Conducted Power

NR Band n78 Conducted Power– 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 650000 (3 750.00 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	22.00	0	0.0
	1	109	22.16		
	1	215	22.26		
	108	0	21.32	≤ 0.5	0.5
	108	55	22.00	0	0.0
	108	109	21.30	≤ 0.5	0.5
	216	0	21.30		
DFT-s OFDM QPSK	1	1	22.03	0	0.0
	1	109	22.20		
	1	215	22.30		
	108	0	21.34	≤ 1	1.0
	108	55	22.13	0	0.0
	108	109	21.34	≤ 1	1.0
	216	0	21.33		
DFT-s OFDM 16QAM	1	1	21.26	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.89	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.69	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.83	≤ 1.5	1.5

Table 9.5.15.4 NR Conducted Power

NR Band n78 Conducted Power– 70 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 650000 (3 750.00 MHz) Conducted Power (dBm)	MPR Allowed Per 3GPP(dB)	MPR (dB)
DFT-s OFDM π/2 BPSK	1	1	22.01	0	0.0
	1	95	22.15		
	1	187	22.16		
	90	0	21.30	≤ 0.5	0.5
	90	50	22.00	0	0.0
	90	99	21.31	≤ 0.5	0.5
	180	0	21.31		
DFT-s OFDM QPSK	1	1	22.09	0	0.0
	1	95	22.17		
	1	187	22.19		
	90	0	21.33	≤ 1	1.0
	90	50	22.01	0	0.0
	90	99	21.34	≤ 1	1.0
	180	0	21.34		
DFT-s OFDM 16QAM	1	1	21.22	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.90	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.69	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.72	≤ 1.5	1.5

Table 9.5.15.5 NR Conducted Power

NR Band n78 Conducted Power– 60 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM π/2 BPSK	1	1	21.85	0	0.0
	1	81	21.86		
	1	160	21.95		
	81	0	21.30	≤ 0.5	0.5
	81	41	21.80	0	0.0
	81	81	21.30	≤ 0.5	0.5
	162	0	21.31		
DFT-s OFDM QPSK	1	1	21.90	0	0.0
	1	81	21.91		
	1	160	21.99		
	81	0	21.33	≤ 1	1.0
	81	41	21.81	0	0.0
	81	81	21.33	≤ 1	1.0
	162	0	21.33		
DFT-s OFDM 16QAM	1	1	21.22	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.83	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.69	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.75	≤ 1.5	1.5

Table 9.5.15.6 NR Conducted Power

NR Band n78 Conducted Power– 50 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648333 (3 725.00 MHz)	651666 (3 774.99 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM π/2 BPSK	1	1	22.02	22.05	0	0.0
	1	67	22.06	22.11		
	1	131	22.09	22.18		
	64	0	21.30	21.32	≤ 0.5	0.5
	64	35	22.00	22.06	0	0.0
	64	69	21.30	21.32	≤ 0.5	0.5
	128	0	21.39	21.41		
DFT-s OFDM QPSK	1	1	22.07	22.09	0	0.0
	1	67	22.08	22.17		
	1	131	22.11	22.25		
	64	0	21.31	21.34	≤ 1	1.0
	64	35	22.05	22.09	0	0.0
	64	69	21.31	21.35	≤ 1	1.0
	128	0	21.40	21.42		
DFT-s OFDM 16QAM	1	1	21.10	21.11	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.77	19.75	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.65	17.67	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.64	20.84	≤ 1.5	1.5

Table 9.5.15.7 NR Conducted Power

NR Band n78 Conducted Power– 40 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648000 (3 720.00 MHz)	652000 (3 780.00 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM π/2 BPSK	1	1	22.02	22.05	0	0.0
	1	53	22.06	22.11		
	1	104	22.09	22.18		
	50	0	21.30	21.32	≤ 0.5	0.5
	50	28	22.00	22.06	0	0.0
	50	56	21.30	21.32	≤ 0.5	0.5
	100	0	21.39	21.41		
DFT-s OFDM QPSK	1	1	22.07	22.09	0	0.0
	1	53	22.08	22.17		
	1	104	22.11	22.25		
	50	0	21.31	21.34	≤ 1	1.0
	50	28	22.05	22.09	0	0.0
	50	56	21.31	21.35	≤ 1	1.0
	100	0	21.40	21.42		
DFT-s OFDM 16QAM	1	1	21.10	21.11	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.77	19.75	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.65	17.67	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.64	20.84	≤ 1.5	1.5

Table 9.5.15.8 NR Conducted Power

NR Band n78 Conducted Power– 30 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647500 (3 715.02 MHz)	650000 (3 750.00 MHz)	652332 (3 784.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	21.94	22.00	21.97	0	0.0
	1	39	22.00	22.13	22.03		
	1	76	22.11	22.14	22.10		
	36	0	21.34	21.33	21.37	≤ 0.5	0.5
	36	21	22.08	22.07	22.05	0	0.0
	36	42	21.34	21.31	21.33	≤ 0.5	0.5
	75	0	21.34	21.33	21.31		
DFT-s OFDM QPSK	1	1	22.02	22.07	22.04	0	0.0
	1	39	22.07	22.15	22.12		
	1	76	22.16	22.16	22.18		
	36	0	21.35	21.34	21.37	≤ 1	1.0
	36	21	22.10	22.09	22.06	0	0.0
	36	42	21.38	21.35	21.35	≤ 1	1.0
	75	0	21.35	21.37	21.38		
DFT-s OFDM 16QAM	1	1	21.17	21.10	21.09	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.84	19.81	19.81	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.65	17.70	17.55	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.79	20.73	20.73	≤ 1.5	1.5

Table 9.5.15.9 NR Conducted Power

NR Band n78 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647334 (3 710.01 MHz)	650000 (3 750.00 MHz)	652666 (3 789.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.00	22.05	22.04	0	0.0
	1	26	22.10	22.09	22.05		
	1	49	22.10	22.10	22.11		
	25	0	21.33	21.32	21.33	≤ 0.5	0.5
	25	13	22.07	22.00	22.05	0	0.0
	25	26	21.30	21.30	21.34	≤ 0.5	0.5
	50	0	21.33	21.34	21.31		
DFT-s OFDM QPSK	1	1	22.07	22.07	22.14	0	0.0
	1	26	22.11	22.11	22.18		
	1	49	22.13	22.12	22.23		
	25	0	21.36	21.33	21.39	≤ 1	1.0
	25	13	22.12	22.09	22.09	0	0.0
	25	26	21.35	21.31	21.35	≤ 1	1.0
	50	0	21.34	21.36	21.39		
DFT-s OFDM 16QAM	1	1	21.12	21.13	21.18	≤ 1	1.0
DFT-s OFDM 64QAM	1	1	19.81	19.85	19.73	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.65	17.64	17.68	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.71	20.67	20.76	≤ 1.5	1.5

Table 9.5.15.10 NR Conducted Power

9.6 Bluetooth Conducted Powers

Channel	Frequency	Burst AVG Output Power (1Mbps)	Frame AVG Output Power (1Mbps)	Burst AVG Output Power (2Mbps)	Frame AVG Output Power (2Mbps)	Burst AVG Output Power (3Mbps)	Frame AVG Output Power (3Mbps)
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
Low	2 402	8.50	7.35	7.00	5.85	7.00	5.85
Mid	2 441	8.50	7.35	7.00	5.85	7.00	5.85
High	2 480	8.50	7.35	7.00	5.85	7.00	5.85

Table 8.3.1 Nominal and Maximum Output Power Spec (Burst/Frame)

Channel	Frequency	Burst AVG Output Power (1Mbps)	Frame AVG Output Power (1Mbps)	Burst AVG Output Power (2Mbps)	Frame AVG Output Power (2Mbps)	Burst AVG Output Power (3Mbps)	Frame AVG Output Power (3Mbps)
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
Low	2 402	7.67	6.52	6.36	5.21	6.37	5.22
Mid	2 441	8.22	7.07	6.93	5.78	6.92	5.77
High	2 480	7.34	6.19	6.04	4.89	6.02	4.87

Table 8.3.2 Bluetooth Burst and Frame Average RF Power

Channel	Frequency	Burst AVG Output Power(LE / 1Mbps)	Frame AVG Output Power(LE / 1Mbps)	Burst AVG Output Power(LE / 2Mbps)	Frame AVG Output Power(LE / 2Mbps)
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)
Low	2 402	7.00	6.30	7.00	4.59
Mid	2 440	7.00	6.30	7.00	4.59
High	2 480	7.00	6.30	7.00	4.59

Table 8.3.3 Nominal and Maximum Output Power Spec (Burst/Frame)

Channel	Frequency	Burst AVG Output Power(LE / 1Mbps)	Frame AVG Output Power(LE / 1Mbps)	Burst AVG Output Power(LE / 2Mbps)	Frame AVG Output Power(LE / 2Mbps)
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)
Low	2 402	6.23	5.53	6.22	3.81
Mid	2 440	6.72	6.02	6.71	4.30
High	2 480	5.93	5.23	5.91	3.50

Table 8.3.4 Bluetooth LE Burst and Frame Average RF Power

- **Bluetooth Conducted Powers procedures**

1. Bluetooth (BDR, EDR)
   1) Enter DUT mode in EUT and operate it.
      When it operating, The EUT is transmitting at maximum power level and duty cycle fixed.
   2) Instruments and EUT were connected like Figure 9.6.1.
   3) The maximum output powers of BDR(1 Mbps), EDR(2, 3 Mbps) and each frequency were set by a Bluetooth Tester.
   4) Power levels were measured by a Power Meter.

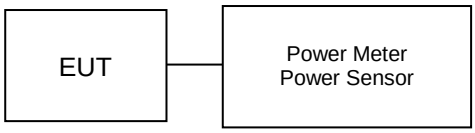

Figure 9.6.1 Average Power Measurement Setup

- **Bluetooth Transmission Plot**

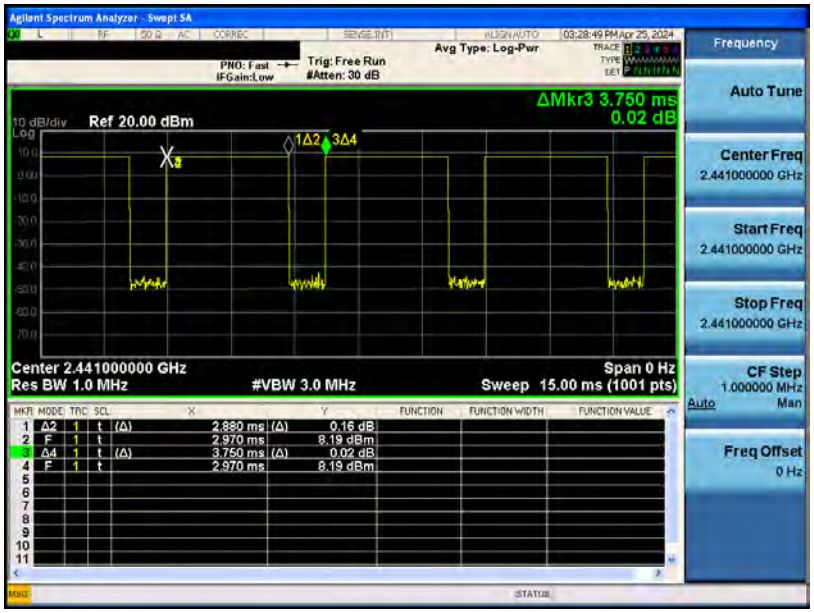

Figure 9.6.2 Bluetooth Transmission Plot

- **Bluetooth Duty Cycle Calculation**

Duty Cycle = Pulse/Period * 100% = (2.880/3.750) * 100 = 76.8%

- **Bluetooth LE Transmission Plot**

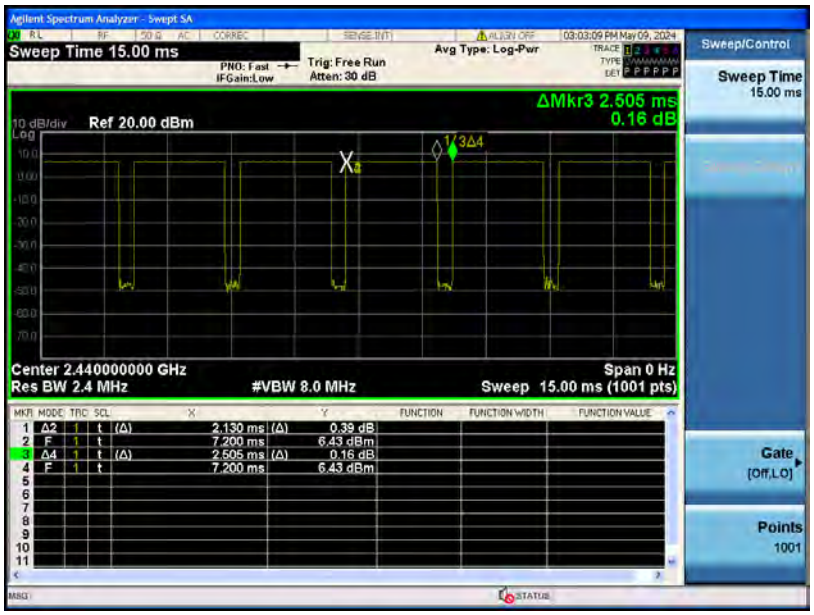

Figure 9.6.3 Bluetooth Transmission Plot

- **Bluetooth LE Duty Cycle Calculation**

Duty Cycle = Pulse/Period * 100% = (2.130/2.505) * 100 = 85.0%

10. SYSTEM VERIFICATION

10.1 Tissue Verification

MEASURED TISSUE PARAMETERS										
Date(s)	Tissue Type	Ambient Temp.[°C]	Liquid Temp.[°C]	Measured Frequency [MHz]	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	Er Deviation [%]	σ Deviation [%]
May. 27. 2024	13 Head	21.0	21.2	12.0	55.000	0.750	55.885	0.761	1.61	1.47
				13.0	55.000	0.750	55.850	0.762	1.55	1.60
				13.6	55.000	0.750	55.802	0.762	1.46	1.60
				14.0	55.000	0.750	55.778	0.763	1.41	1.73
Jun. 3. 2024 (B71)	600 Head	20.4	20.9	600.0	42.700	0.880	42.103	0.868	-1.40	-1.36
				680.5	42.273	0.885	41.480	0.914	-1.88	3.24
May. 23. 2024 (n71)	600 Head	21.4	21.2	600.0	42.700	0.880	41.144	0.876	-3.64	-0.45
				673.0	42.311	0.885	40.923	0.899	-3.28	1.60
				680.5	42.273	0.885	40.898	0.901	-3.25	1.81
				688.0	42.231	0.886	40.876	0.903	-3.21	1.93
Apr. 9. 2024 (B12)	750 Head	20.8	21.2	707.5	42.129	0.887	40.528	0.879	-3.80	-0.92
				750.0	41.900	0.890	40.415	0.891	-3.54	0.11
Apr. 11. 2024 (B13)	750 Head	21.0	21.4	750.0	41.900	0.890	40.569	0.911	-3.18	2.36
				782.0	41.749	0.894	40.490	0.923	-3.02	3.27
Apr. 12. 2024 (B14)	750 Head	20.9	21.2	750.0	41.900	0.890	40.731	0.909	-2.79	2.13
				793.0	41.698	0.895	40.634	0.923	-2.55	3.12
May. 21. 2024 (n12, n13, n14)	750 Head	21.3	21.2	706.5	42.135	0.887	41.657	0.879	1.15	0.91
				707.5	42.129	0.887	41.654	0.880	1.14	0.80
				708.5	42.124	0.887	41.652	0.880	1.13	0.80
				750.0	41.900	0.890	41.523	0.895	0.91	-0.56
				782.0	41.749	0.894	41.435	0.905	0.76	-1.22
				793.0	41.698	0.895	41.429	0.908	0.65	-1.43
Apr. 8. 2024 (B5)	835 Head	20.8	21.1	835.0	41.500	0.900	40.177	0.916	-3.19	1.78
				836.5	41.500	0.901	40.171	0.917	-3.20	1.77
May. 13. 2024 (GSM/WCDMA)	835 Head	20.6	20.5	821.5	41.566	0.898	41.042	0.873	-1.26	-2.82
				824.2	41.552	0.899	41.008	0.875	-1.31	-2.64
				826.4	41.542	0.899	40.979	0.877	-1.36	-2.44
				831.5	41.519	0.900	40.920	0.882	-1.44	-1.95
				835.0	41.500	0.900	40.879	0.885	-1.50	-1.67
				836.6	41.500	0.901	40.859	0.886	-1.54	-1.67
				841.5	41.500	0.906	40.803	0.890	-1.68	-1.82
				846.6	41.500	0.912	40.744	0.895	-1.82	-1.85
				848.8	41.500	0.914	40.716	0.897	-1.89	-1.86
May. 14. 2024 (n5)	835 Head	21.5	21.4	834.0	41.505	0.900	40.702	0.932	-1.93	3.57
				835.0	41.500	0.900	40.700	0.932	-1.93	3.56
				836.5	41.500	0.901	40.695	0.933	-1.94	3.55
				839.0	41.500	0.904	40.688	0.933	-1.96	3.17
Apr. 16. 2024 (B66)	1 800 Head	21.3	21.8	1 720.0	40.114	1.354	40.770	1.379	1.63	1.82
				1 745.0	40.079	1.369	40.742	1.392	1.66	1.71
				1 770.0	40.043	1.383	40.725	1.406	1.70	1.67
				1 800.0	40.000	1.400	40.709	1.425	1.77	1.79
May. 16. 2024 (WCDMA)	1 800 Head	20.4	20.6	1 712.0	40.126	1.350	40.087	1.299	-0.10	-3.76
				1 732.4	40.097	1.361	40.015	1.317	-0.20	-3.24
				1 752.6	40.069	1.373	39.921	1.335	-0.37	-2.74
				1 800.0	40.000	1.400	39.681	1.382	-0.80	-1.29
May. 22. 2024 (n66)	1800 Head	21.1	21.0	1720.0	40.114	1.354	39.622	1.333	-1.23	-1.57
				1745.0	40.079	1.369	39.585	1.346	-1.23	-1.65
				1770.0	40.043	1.383	39.558	1.359	-1.21	-1.73
				1780.0	40.029	1.389	39.551	1.364	-1.19	-1.77
				1 800.0	40.000	1.400	39.541	1.376	-1.15	-1.71
Apr. 15. 2024 (B2)	1 900 Head	20.5	20.9	1 860.0	40.000	1.400	40.414	1.415	1.04	1.07
				1 880.0	40.000	1.400	40.392	1.427	0.98	1.93
				1 900.0	40.000	1.400	40.372	1.439	0.93	2.79
May. 13. 2024 (n2)	1900 Head	21.4	21.3	1 860.0	40.000	1.400	38.956	1.385	-2.61	-1.07
				1 880.0	40.000	1.400	38.924	1.397	-2.69	-0.21
				1 900.0	40.000	1.400	38.898	1.409	-2.75	0.64
May. 14. 2024 (PCS/WCDMA)	1 900 Head	20.3	20.9	1 850.2	40.000	1.400	39.812	1.376	-0.47	-1.71
				1 852.4	40.000	1.400	39.810	1.378	-0.47	-1.57
				1 880.0	40.000	1.400	39.754	1.403	-0.62	0.21
				1 900.0	40.000	1.400	39.700	1.422	-0.75	1.57
				1 907.6	40.000	1.400	39.681	1.429	-0.80	2.07
				1 909.8	40.000	1.400	39.676	1.431	-0.81	2.21
May. 24. 2024 (BT)	2 450 Head	21.3	21.4	2 402.0	39.282	1.757	37.783	1.806	-3.82	2.76
				2 440.0	39.217	1.791	37.727	1.835	-3.80	2.46
				2 441.0	39.215	1.792	37.725	1.836	-3.80	2.45
				2 450.0	39.200	1.800	37.715	1.843	-3.79	2.39
				2 480.0	39.160	1.832	37.681	1.864	-3.78	1.75
Apr. 17. 2024 (B7)	2 600 Head	20.7	21.2	2 510.0	39.120	1.864	38.500	1.896	-1.58	1.72
				2 535.0	39.090	1.891	38.466	1.917	-1.59	1.39
				2 560.0	39.050	1.917	38.433	1.938	-1.59	1.08
				2 600.0	39.000	1.960	38.377	1.968	-1.60	0.41
Apr. 18. 2024 (B38)	2 600 Head	21.0	21.4	2 580.0	39.030	1.939	39.151	1.900	0.32	-1.99
				2 595.0	39.010	1.955	39.131	1.911	0.32	-2.23
				2 600.0	39.000	1.960	39.125	1.915	0.32	-2.30
				2 610.0	38.990	1.971	39.112	1.923	0.32	-2.44
May. 20. 2024 (n7)	2600 Head	21.5	21.4	2 510.0	39.120	1.864	37.794	1.872	-3.39	0.43
				2 535.0	39.087	1.891	37.774	1.891	-3.36	0.02
				2 560.0	39.053	1.917	37.749	1.909	-3.34	-0.43
				2 600.0	39.000	1.960	37.711	1.939	-3.31	-1.07

MEASURED TISSUE PARAMETERS										
Date(s)	Tissue Type	Ambient Temp.[°C]	Liquid Temp.[°C]	Measured Frequency [MHz]	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	Er Deviation [%]	σ Deviation [%]
Jun. 11. 2024 (n41)	2600 Head	21.3	21.2	2 550.00	39.067	1.907	39.267	1.937	0.51	1.59
				2 592.99	39.011	1.951	39.215	1.973	0.52	1.10
				2 600.00	39.000	1.960	39.206	1.979	0.53	0.97
				2 640.00	38.950	2.004	39.151	2.014	0.52	0.50
Jun. 27. 2024 (n48)	3600 Head	21.1	21.0	3 500.00	37.900	2.910	37.654	2.892	-0.65	-0.62
				3 570.00	37.830	2.983	37.566	2.957	-0.70	-0.87
				3 624.99	37.776	3.039	37.488	3.008	-0.76	-1.02
				3 679.98	37.721	3.096	37.419	3.062	-0.80	-1.10
				3 700.00	37.700	3.118	37.399	3.082	-0.80	-1.15
Jul. 11. 2024 (B48)	3600 Head	22.3	22.4	3 500.00	37.900	2.910	39.296	2.899	3.68	-0.38
				3 560.00	37.840	2.972	39.208	2.960	3.62	-0.42
				3 603.30	37.797	3.017	39.153	3.004	3.59	-0.43
				3 646.70	37.754	3.062	39.087	3.050	3.53	-0.39
				3 690.00	37.710	3.108	39.018	3.096	3.47	-0.37
				3 700.00	37.700	3.118	39.012	3.105	3.48	-0.42
July. 03. 2024 (n77)	3600 Head	21.2	21.1	3 500.00	37.900	2.910	37.315	2.826	-1.54	-2.89
				3 617.00	37.783	3.032	37.154	2.940	-1.66	-3.02
				3 700.00	37.700	3.118	37.050	3.024	-1.72	-3.01
				3 732.99	37.668	3.151	36.999	3.057	-1.78	-2.99
				3 750.00	37.650	3.170	36.978	3.076	-1.78	-2.97
				3 849.99	37.551	3.273	36.848	3.180	-1.87	-2.84
				3 900.00	37.500	3.326	36.787	3.236	-1.90	-2.71
				3 930.00	37.470	3.357	36.752	3.267	-1.92	-2.69
				3 939.99	37.461	3.367	36.736	3.278	-1.94	-2.63

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB 865664 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

Measurement Procedure for Tissue verification:

1) The network analyzer and probe system was configured and calibrated.
2) The probe was immersed in the sample which was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
3) The complex admittance with respect to the probe aperture was measured
4) The complex relative permittivity , for example from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\varepsilon_r\varepsilon_0}{[\ln(b/a)]^2}\int_a^b\int_a^b\int_0^\pi \cos\phi' \frac{\exp\left[-j\omega r(\mu_0\varepsilon_r^{'}\varepsilon_0)^{1/2}\right]}{r} d\phi' d\rho' d\rho$$

where Y is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively, $r^2 = \rho^2 + \rho'^2 - 2\rho\rho'\cos\phi'$, ω is the angular frequency, and $j = \sqrt{-1}$.

10.2 Test System Verification

Prior to assessment, the system is verified to the ± 10 % of the specifications at using the SAR Dipole kit(s). (Graphic Plots Attached)

Table 10.2.1 System Verification Results (1g)

SYSTEM DIPOLE VERIFICATION TARGET & MEASURED												
SAR System #	Freq. [MHz]	SAR Dipole kits	Date(s)	Tissue Type	Ambient Temp. [°C]	Liquid Temp. [°C]	Probe S/N	Input Power (mW)	1 W Target SAR_{1g} (W/kg)	Measured SAR_{1g} (W/kg)	1 W Normalized SAR_{1g} (W/kg)	Deviation [%]
C	600 (n71)	D600V3, SN:1002	May. 23. 2024	Head	21.4	21.2	1703	250	6.52	1.62	6.48	-0.61
F	600 (B71)	D600V3, SN:1002	Jun. 3. 2024	Head	20.4	20.9	1703	250	6.52	1.59	6.36	-2.45
F	750 (B12)	D750V3, SN:1049	Apr. 9. 2024	Head	20.8	21.2	3866	250	8.48	2.15	8.60	1.42
F	750 (B13)	D750V3, SN:1049	Apr. 11. 2024	Head	21.0	21.4	3866	250	8.48	2.09	8.36	-1.42
F	750 (B14)	D750V3, SN:1049	Apr. 12. 2024	Head	20.9	21.2	3866	250	8.48	2.18	8.72	2.83
C	750 (n12, n13, n14)	D750V3, SN:1049	May. 21. 2024	Head	21.3	21.2	7337	250	8.48	2.14	8.56	0.94
F	835 (GSM/WCDMA)	D835V2, SN:4d159	May. 13. 2024	Head	20.6	20.5	3327	250	9.86	2.43	9.72	-1.42
F	835 (B5)	D835V2, SN:4d159	Apr. 8. 2024	Head	20.8	21.1	3866	250	9.86	2.46	9.84	-0.20
C	835 (n5)	D835V2, SN:4d159	May. 14. 2024	Head	21.5	21.4	7337	250	9.86	2.32	9.28	-5.88
F	1 800 (WCDMA)	D1800V2, SN:2d202	May. 16. 2024	Head	20.4	20.6	3327	100	38.7	3.77	37.7	-2.58
F	1 800 (B66)	D1800V2, SN:2d202	Apr. 16. 2024	Head	21.3	21.8	3866	100	38.7	3.82	38.2	-1.29
C	1 800 (n66)	D1800V2, SN:2d202	May. 22. 2024	Head	21.1	21.0	7337	100	38.7	3.86	38.6	-0.26
F	1 900 (PCS/WCDMA)	D1900V2, SN:5d176	May. 14. 2024	Head	20.3	20.9	3327	100	40.0	4.09	40.9	2.25
F	1 900 (B2)	D1900V2, SN:5d176	Apr. 15. 2024	Head	20.5	20.9	3866	100	40.0	4.05	40.5	1.25
C	1 900 (n2)	D1900V2, SN:5d176	May. 13. 2024	Head	21.4	21.3	7337	100	40.0	4.17	41.7	4.25
B	2 450 (BT)	D2450V2, SN: 726	May. 24. 2024	Head	21.3	21.4	3930	100	52.7	5.31	53.1	0.76
F	2 600 (B7)	D2600V2, SN: 1103	Apr. 17. 2024	Head	20.7	21.2	3866	100	56.2	5.57	55.7	-0.89
F	2 600 (B38)	D2600V2, SN: 1103	Apr. 18. 2024	Head	21.0	21.4	3866	100	56.2	5.78	57.8	2.85
C	2 600 (n7)	D2600V2, SN: 1103	May. 20. 2024	Head	21.5	21.4	7337	100	56.2	5.50	55.0	-2.14
C	2 600 (n41)	D2600V2, SN: 1103	Jun. 11. 2024	Head	21.3	21.2	7337	100	56.2	5.62	56.2	0.00
B	3 500 (B48)	D3500V2, SN: 1018	Jul. 11. 2024	Head	22.3	22.4	3916	100	64.3	6.29	62.9	-2.18
B	3 700 (B48)	D3700V2, SN: 1023	Jul. 11. 2024	Head	22.3	22.4	3916	100	66.0	6.73	67.3	1.97
C	3 500 (n48)	D3500V2, SN: 1018	Jun. 27. 2024	Head	21.1	21.0	7368	100	64.3	6.64	66.4	3.27
C	3 700 (n48)	D3700V2, SN: 1023	Jun. 27. 2024	Head	21.1	21.0	7368	100	66.0	6.49	64.9	-1.67
C	3 500 (n77)	D3500V2, SN: 1018	Jul. 3. 2024	Head	21.2	21.1	7368	100	64.3	6.55	65.5	1.87
C	3 700 (n77)	D3700V2, SN: 1023	Jul. 3. 2024	Head	21.2	21.1	7368	100	66.0	6.38	63.8	-3.33
C	3 900 (n77)	D3900V2, SN: 1037	Jul. 3. 2024	Head	21.2	21.1	7368	100	68.2	6.45	64.5	-5.43

Table 9.2.2 System Verification Results (SAR, 10g)

SYSTEM DIPOLE VERIFICATION TARGET & MEASURED												
SAR System #	Freq. [MHz]	SAR Dipole kits	Date(s)	Tissue Type	Ambient Temp. [°C]	Liquid Temp. [°C]	Probe S/N	Input Power (mW)	1 W Target SAR_{10g} (W/kg)	Measured SAR_{10g} (W/kg)	1 W Normalized SAR_{10g} (W/kg)	Deviation [%]
B	13	CLA13, SN:1030	May. 27. 2024	Head	21.0	21.2	3916	250	0.324	0.079	0.316	-2.47

Note(s):
1. System Verification was measured with input 250 mW, 100 mW and normalized to 1W.
2. Full system validation status and results can be found in Appendix D.

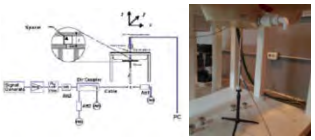

Figure 10.1 Dipole Verification Test Setup Diagram & Photo

11. SAR TEST RESULTS

11.1 Head SAR Results

Table 11.1.1 GSM/PCS/GPRS Head SAR

MEASUREMENT RESULTS														
FREQUENCY		Mode/ Band	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Drift Power [dB]	Phantom Position	Device Serial Number	# of Time Slots	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch													
824.2	128	GSM850	GSM	32.00	31.40	0.070	Left Touch	FCC #1	1	1:8.3	0.164	1.148	0.188	
836.6	190	GSM850	GSM	32.00	31.50	0.130	Left Touch	FCC #1	1	1:8.3	0.172	1.122	0.193	
848.8	251	GSM850	GSM	32.00	31.50	0..03	Left Touch	FCC #1	1	1:8.3	0.165	1.122	0.185	
836.6	190	GSM850	GSM	32.00	31.50	-0.110	Right Touch	FCC #1	1	1:8.3	0.159	1.122	0.178	
836.6	190	GSM850	GSM	32.00	31.50	-0.030	Left Tilt	FCC #1	1	1:8.3	0.092	1.122	0.103	
836.6	190	GSM850	GSM	32.00	31.50	0.010	Right Tilt	FCC #1	1	1:8.3	0.087	1.122	0.098	
824.2	128	GSM850	GPRS	28.10	27.80	-0.050	Left Touch	FCC #1	4	1:2.075	0.236	1.072	0.253	
836.6	190	GSM850	GPRS	28.10	28.00	0.110	Left Touch	FCC #1	4	1:2.075	0.251	1.023	**0.257**	A1
848.8	251	GSM850	GPRS	28.10	27.90	0.060	Left Touch	FCC #1	4	1:2.075	0.242	1.047	0.253	
836.6	190	GSM850	GPRS	28.10	28.00	-0.120	Right Touch	FCC #1	4	1:2.075	0.248	1.023	0.254	
836.6	190	GSM850	GPRS	28.10	28.00	0.050	Left Tilt	FCC #1	4	1:2.075	0.153	1.023	0.157	
836.6	190	GSM850	GPRS	28.10	28.00	-0.090	Right Tilt	FCC #1	4	1:2.075	0.150	1.023	0.153	
836.6	190	GSM850	GPRS	28.10	28.00	-0.080	Left Touch	FCC #1	4	1:2.075	0.192	1.023	0.196	
836.6	190	GSM850	GPRS	28.10	28.00	-0.090	Left Touch	FCC #1	4	1:2.075	0.180	1.023	0.184	
1 850.2	512	PCS1900	PCS	29.00	28.50	0.160	Left Touch	FCC #1	1	1:8.3	0.102	1.122	0.114	
1 880.0	661	PCS1900	PCS	29.00	28.30	-0.000	Left Touch	FCC #1	1	1:8.3	0.096	1.175	0.113	
1 909.8	810	PCS1900	PCS	29.00	28.80	-0.010	Left Touch	FCC #1	1	1:8.3	0.088	1.047	0.092	
1 880.0	661	PCS1900	PCS	29.00	28.30	-0.190	Right Touch	FCC #1	1	1:8.3	0.070	1.175	0.082	
1 880.0	661	PCS1900	PCS	29.00	28.30	0.180	Left Tilt	FCC #1	1	1:8.3	0.026	1.175	0.031	
1 880.0	661	PCS1900	PCS	29.00	28.30	0.120	Right Tilt	FCC #1	1	1:8.3	0.042	1.175	0.049	
1 850.2	512	PCS1900	GPRS	26.60	26.40	-0.110	Left Touch	FCC #1	3	1:2.77	0.183	1.047	**0.192**	A2
1 880.0	661	PCS1900	GPRS	26.60	26.50	0.170	Left Touch	FCC #1	3	1:2.77	0.165	1.023	0.169	
1 909.8	810	PCS1900	GPRS	26.60	26.30	0.030	Left Touch	FCC #1	3	1:2.77	0.152	1.072	0.163	
1 880.0	661	PCS1900	GPRS	26.60	26.50	0.150	Right Touch	FCC #1	3	1:2.77	0.123	1.023	0.126	
1 880.0	661	PCS1900	GPRS	26.60	26.50	0.070	Left Tilt	FCC #1	3	1:2.77	0.044	1.023	0.045	
1 880.0	661	PCS1900	GPRS	26.60	26.50	0.100	Right Tilt	FCC #1	3	1:2.77	0.071	1.023	0.073	
1 850.2	512	PCS1900	GPRS	26.60	26.40	-0.110	Left Touch	FCC #1	3	1:2.77	0.161	1.047	0.169	
1 850.2	512	PCS1900	GPRS	26.60	26.40	-0.190	Left Touch	FCC #1	3	1:2.77	0.151	1.047	0.158	
ANSI / IEEE C95.1-1992– SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure								Head 1.6 W/kg (mW/g) averaged over 1 gram						

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.

Table 11.1.2 WCDMA Head SAR

MEASUREMENT RESULTS													
FREQUENCY		Mode/ Band	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Drift Power [dB]	Phantom Position	Device Serial Number	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch												
826.4	4132	WCDMA 850	RMC	22.50	21.96	0.010	Left Touch	FCC #1	1:1	0.130	1.132	0.147	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.160	Left Touch	FCC #1	1:1	0.137	1.104	**0.151**	A3
846.6	4233	WCDMA 850	RMC	22.50	22.02	0.050	Left Touch	FCC #1	1:1	0.107	1.117	0.120	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.190	Right Touch	FCC #1	1:1	0.118	1.104	0.130	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.120	Left Tilt	FCC #1	1:1	0.065	1.104	0.072	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.130	Right Tilt	FCC #1	1:1	0.071	1.104	0.078	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.130	Left Touch	FCC #1	1:1	0.093	1.104	0.103	
836.6	4183	WCDMA 850	RMC	22.50	22.07	-0.100	Left Touch	FCC #1	1:1	0.087	1.104	0.096	
1 712.4	1312	WCDMA 1700	RMC	22.50	22.15	0.000	Left Touch	FCC #1	1:1	0.142	1.084	0.154	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.070	Left Touch	FCC #1	1:1	0.187	1.050	**0.196**	A4
1 752.6	1513	WCDMA 1700	RMC	22.50	22.28	0.180	Left Touch	FCC #1	1:1	0.145	1.052	0.153	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.040	Right Touch	FCC #1	1:1	0.131	1.050	0.138	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.080	Left Tilt	FCC #1	1:1	0.070	1.050	0.074	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.080	Right Tilt	FCC #1	1:1	0.097	1.050	0.102	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.100	Left Touch	FCC #1	1:1	0.112	1.050	0.118	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.090	Left Touch	FCC #1	1:1	0.105	1.050	0.110	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	-0.190	Left Touch	FCC #1	1:1	0.114	1.019	0.116	
1 852.4	9262	WCDMA 1900	RMC	22.50	22.47	0.140	Right Touch	FCC #1	1:1	0.155	1.007	0.156	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	0.160	Right Touch	FCC #1	1:1	0.159	1.019	**0.162**	A5
1 907.6	9538	WCDMA 1900	RMC	22.50	22.40	0.180	Right Touch	FCC #1	1:1	0.142	1.023	0.145	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	0.030	Left Tilt	FCC #1	1:1	0.045	1.019	0.046	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	0.150	Right Tilt	FCC #1	1:1	0.066	1.019	0.067	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	-0.160	Right Touch	FCC #1	1:1	0.106	1.019	0.108	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	0.050	Right Touch	FCC #1	1:1	0.099	1.019	0.101	
ANSI / IEEE C95.1-1992– SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure								Head 1.6 W/kg (mW/g) averaged over 1 gram					

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.

Table 11.1.3 LTE Head SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
680.5	133297	LTE B71	20	22.50	22.02	0.180	0	Left Touch	FCC #1	QPSK	1	50	1:1	0.079	1.117	**0.088**	A6
680.5	133297	LTE B71	20	21.50	21.08	0.160	1	Left Touch	FCC #1	QPSK	50	25	1:1	0.058	1.102	0.064	
680.5	133297	LTE B71	20	22.50	22.02	0.090	0	Right Touch	FCC #1	QPSK	1	50	1:1	0.077	1.117	0.086	
680.5	133297	LTE B71	20	21.50	21.08	0.090	1	Right Touch	FCC #1	QPSK	50	25	1:1	0.056	1.102	0.062	
680.5	133297	LTE B71	20	22.50	22.02	0.020	0	Left Tilt	FCC #1	QPSK	1	50	1:1	0.035	1.117	0.039	
680.5	133297	LTE B71	20	21.50	21.08	0.110	1	Left Tilt	FCC #1	QPSK	50	25	1:1	0.024	1.102	0.026	
680.5	133297	LTE B71	20	22.50	22.02	0.130	0	Right Tilt	FCC #1	QPSK	1	50	1:1	0.040	1.117	0.045	
680.5	133297	LTE B71	20	21.50	21.08	0.150	1	Right Tilt	FCC #1	QPSK	50	25	1:1	0.030	1.102	0.033	
680.5	133297	LTE B71	20	22.50	22.02	0.160	0	Left Touch	FCC #1	QPSK	1	50	1:1	0.056	1.117	0.063	
680.5	133297	LTE B71	20	22.50	22.02	0.000	0	Left Touch	FCC #1	QPSK	1	50	1:1	0.053	1.117	0.059	
707.5	23095	LTE B12	10	22.50	21.89	0.140	0	Left Touch	FCC #1	QPSK	1	25	1:1	0.047	1.151	0.054	
707.5	23095	LTE B12	10	21.50	20.96	0.030	1	Left Touch	FCC #1	QPSK	25	12	1:1	0.045	1.132	0.051	
707.5	23095	LTE B12	10	22.50	21.89	0.160	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.059	1.151	**0.068**	A7
707.5	23095	LTE B12	10	21.50	20.96	-0.170	1	Right Touch	FCC #1	QPSK	25	12	1:1	0.058	1.132	0.066	
707.5	23095	LTE B12	10	22.50	21.89	-0.070	0	Left Tilt	FCC #1	QPSK	1	25	1:1	0.029	1.151	0.033	
707.5	23095	LTE B12	10	21.50	20.96	0.100	1	Left Tilt	FCC #1	QPSK	25	12	1:1	0.026	1.132	0.029	
707.5	23095	LTE B12	10	22.50	21.89	0.180	0	Right Tilt	FCC #1	QPSK	1	25	1:1	0.030	1.151	0.035	
707.5	23095	LTE B12	10	21.50	20.96	0.060	1	Right Tilt	FCC #1	QPSK	25	12	1:1	0.024	1.132	0.027	
707.5	23095	LTE B12	10	22.50	21.89	-0.020	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.046	1.151	0.053	
707.5	23095	LTE B12	10	22.50	21.89	-0.180	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.043	1.151	0.049	
782.0	23230	LTE B13	10	22.20	21.83	-0.090	0	Left Touch	FCC #1	QPSK	1	0	1:1	0.108	1.089	0.118	
782.0	23230	LTE B13	10	21.20	20.68	-0.010	1	Left Touch	FCC #1	QPSK	25	0	1:1	0.095	1.127	0.107	
782.0	23230	LTE B13	10	22.20	21.83	-0.100	0	Right Touch	FCC #1	QPSK	1	0	1:1	0.130	1.089	**0.142**	A8
782.0	23230	LTE B13	10	21.20	20.68	-0.110	1	Right Touch	FCC #1	QPSK	25	0	1:1	0.120	1.127	0.135	
782.0	23230	LTE B13	10	22.20	21.83	0.060	0	Left Tilt	FCC #1	QPSK	1	0	1:1	0.072	1.089	0.078	
782.0	23230	LTE B13	10	21.20	20.68	-0.070	1	Left Tilt	FCC #1	QPSK	25	0	1:1	0.061	1.127	0.069	
782.0	23230	LTE B13	10	22.20	21.83	-0.080	0	Right Tilt	FCC #1	QPSK	1	0	1:1	0.071	1.089	0.077	
782.0	23230	LTE B13	10	21.20	20.68	-0.080	1	Right Tilt	FCC #1	QPSK	25	0	1:1	0.066	1.127	0.074	
782.0	23230	LTE B13	10	22.20	21.83	0.010	0	Right Touch	FCC #1	QPSK	1	0	1:1	0.123	1.089	0.134	
782.0	23230	LTE B13	10	22.20	21.83	-0.190	0	Right Touch	FCC #1	QPSK	1	0	1:1	0.115	1.089	0.125	
793.0	23330	LTE B14	10	23.00	22.84	-0.010	0	Left Touch	FCC #1	QPSK	1	25	1:1	0.104	1.038	0.108	
793.0	23330	LTE B14	10	22.00	21.86	0.150	1	Left Touch	FCC #1	QPSK	25	12	1:1	0.091	1.033	0.094	
793.0	23330	LTE B14	10	23.00	22.84	-0.110	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.112	1.038	**0.116**	A9
793.0	23330	LTE B14	10	22.00	21.86	-0.190	1	Right Touch	FCC #1	QPSK	25	12	1:1	0.092	1.033	0.095	
793.0	23330	LTE B14	10	23.00	22.84	0.130	0	Left Tilt	FCC #1	QPSK	1	25	1:1	0.078	1.038	0.081	
793.0	23330	LTE B14	10	22.00	21.86	-0.170	1	Left Tilt	FCC #1	QPSK	25	12	1:1	0.061	1.033	0.063	
793.0	23330	LTE B14	10	23.00	22.84	-0.070	0	Right Tilt	FCC #1	QPSK	1	25	1:1	0.044	1.038	0.046	
793.0	23330	LTE B14	10	22.00	21.86	-0.040	1	Right Tilt	FCC #1	QPSK	25	12	1:1	0.039	1.033	0.040	
793.0	23330	LTE B14	10	23.00	22.84	0.130	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.106	1.038	0.110	
793.0	23330	LTE B14	10	23.00	22.84	0.000	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.099	1.038	0.103	
836.5	20525	LTE B5	10	22.70	22.20	-0.030	0	Left Touch	FCC #1	QPSK	1	25	1:1	0.092	1.122	0.103	
836.5	20525	LTE B5	10	21.70	21.21	-0.040	1	Left Touch	FCC #1	QPSK	25	12	1:1	0.072	1.119	0.081	
836.5	20525	LTE B5	10	22.70	22.20	0.040	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.163	1.122	**0.183**	A10
836.5	20525	LTE B5	10	21.70	21.21	0.050	1	Right Touch	FCC #1	QPSK	25	12	1:1	0.128	1.119	0.143	
836.5	20525	LTE B5	10	22.70	22.20	0.020	0	Left Tilt	FCC #1	QPSK	1	25	1:1	0.047	1.122	0.053	
836.5	20525	LTE B5	10	21.70	21.21	0.070	1	Left Tilt	FCC #1	QPSK	25	12	1:1	0.035	1.119	0.039	
836.5	20525	LTE B5	10	22.70	22.20	0.050	0	Right Tilt	FCC #1	QPSK	1	25	1:1	0.089	1.122	0.100	
836.5	20525	LTE B5	10	21.70	21.21	0.070	1	Right Tilt	FCC #1	QPSK	25	12	1:1	0.069	1.119	0.077	
836.5	20525	LTE B5	10	22.70	22.20	-0.070	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.126	1.122	0.141	
836.5	20525	LTE B5	10	22.70	22.20	0.060	0	Right Touch	FCC #1	QPSK	1	25	1:1	0.118	1.122	0.132	
1 745.0	132322	LTE B66	20	22.70	22.45	-0.020	0	Left Touch	FCC #1	QPSK	1	50	1:1	0.130	1.059	0.138	
1 745.0	132322	LTE B66	20	21.70	21.32	-0.060	1	Left Touch	FCC #1	QPSK	50	25	1:1	0.106	1.091	0.116	
1 720.0	132072	LTE B66	20	22.70	22.30	0.070	0	Right Touch	FCC #1	QPSK	1	50	1:1	0.146	1.096	0.160	
1 745.0	132322	LTE B66	20	22.70	22.45	0.060	0	Right Touch	FCC #1	QPSK	1	50	1:1	0.174	1.059	**0.184**	A11
1 745.0	132322	LTE B66	20	21.70	21.32	0.040	1	Right Touch	FCC #1	QPSK	50	25	1:1	0.134	1.091	0.146	
1 770.0	132572	LTE B66	20	22.70	22.37	0.020	0	Right Touch	FCC #1	QPSK	1	50	1:1	0.164	1.079	0.177	
1 745.0	132322	LTE B66	20	22.70	22.45	0.080	0	Left Tilt	FCC #1	QPSK	1	50	1:1	0.074	1.059	0.078	
1 745.0	132322	LTE B66	20	21.70	21.32	-0.020	1	Left Tilt	FCC #1	QPSK	50	25	1:1	0.034	1.091	0.037	
1 745.0	132322	LTE B66	20	22.70	22.45	0.060	0	Right Tilt	FCC #1	QPSK	1	50	1:1	0.093	1.059	0.098	
1 745.0	132322	LTE B66	20	21.70	21.32	0.080	1	Right Tilt	FCC #1	QPSK	50	25	1:1	0.075	1.091	0.082	
1 745.0	132322	LTE B66	20	22.70	22.45	-0.000	0	Right Touch	FCC #1	QPSK	1	50	1:1	0.155	1.059	0.164	
1 745.0	132322	LTE B66	20	22.70	22.45	-0.170	0	Right Touch	FCC #1	QPSK	1	50	1:1	0.145	1.059	0.154	
1 860.0	18700	LTE B2	20	22.70	22.39	-0.060	0	Left Touch	FCC #1	QPSK	1	0	1:1	0.216	1.074	0.232	
1 880.0	18900	LTE B2	20	22.70	22.47	0.030	0	Left Touch	FCC #1	QPSK	1	0	1:1	0.241	1.054	**0.254**	A12
1 880.0	18900	LTE B2	20	21.70	21.49	-0.030	1	Left Touch	FCC #1	QPSK	50	0	1:1	0.174	1.050	0.183	
1 900.0	19100	LTE B2	20	22.70	22.42	-0.020	0	Left Touch	FCC #1	QPSK	1	0	1:1	0.178	1.067	0.190	
1 880.0	18900	LTE B2	20	22.70	22.47	-0.020	0	Right Touch	FCC #1	QPSK	1	0	1:1	0.139	1.054	0.147	
1 880.0	18900	LTE B2	20	21.70	21.49	0.020	1	Right Touch	FCC #1	QPSK	50	0	1:1	0.111	1.050	0.117	
1 880.0	18900	LTE B2	20	22.70	22.47	0.010	0	Left Tilt	FCC #1	QPSK	1	0	1:1	0.064	1.054	0.067	
1 880.0	18900	LTE B2	20	21.70	21.49	-0.090	1	Left Tilt	FCC #1	QPSK	50	0	1:1	0.046	1.050	0.048	
1 880.0	18900	LTE B2	20	22.70	22.47	0.060	0	Right Tilt	FCC #1	QPSK	1	0	1:1	0.088	1.054	0.093	
1 880.0	18900	LTE B2	20	21.70	21.49	0.060	1	Right Tilt	FCC #1	QPSK	50	0	1:1	0.071	1.050	0.075	
1 880.0	18900	LTE B2	20	22.70	22.47	-0.180	0	Left Touch	FCC #1	QPSK	1	0	1:1	0.075	1.054	0.079	
1 880.0	18900	LTE B2	20	22.70	22.47	0.100	0	Left Touch	FCC #1	QPSK	1	0	1:1	0.071	1.054	0.075	
2 535.0	21100	LTE B7	20	22.90	22.78	0.000	0	Left Touch	FCC #1	QPSK	1	99	1:1	0.035	1.028	0.036	
2 535.0	21100	LTE B7	20	21.90	21.60	0.000	1	Left Touch	FCC #1	QPSK	50	25	1:1	0.021	1.072	0.023	
2 510.0	20850	LTE B7	20	22.90	22.43	-0.170	0	Right Touch	FCC #1	QPSK	1	99	1:1	0.053	1.114	0.059	
2 535.0	21100	LTE B7	20	22.90	22.78	0.010	0	Right Touch	FCC #1	QPSK	1	99	1:1	0.065	1.028	**0.067**	A13
2 535.0	21100	LTE B7	20	21.90	21.60	0.040	1	Right Touch	FCC #1	QPSK	50	25	1:1	0.048	1.072	0.051	
2 560.0	21350	LTE B7	20	22.90	22.68	0.000	0	Right Touch	FCC #1	QPSK	1	99	1:1	0.060	1.052	0.063	
2 535.0	21100	LTE B7	20	22.90	22.78	0.000	0	Left Tilt	FCC #1	QPSK	1	99	1:1	0.033	1.028	0.034	
2 535.0	21100	LTE B7	20	21.90	21.60	0.000	1	Left Tilt	FCC #1	QPSK	50	25	1:1	0.026	1.072	0.028	
2 535.0	21100	LTE B7	20	22.90	22.78	-0.190	0	Right Tilt	FCC #1	QPSK	1	99	1:1	0.023	1.028	0.024	
2 535.0	21100	LTE B7	20	21.90	21.60	0.120	1	Right Tilt	FCC #1	QPSK	50	25	1:1	0.016	1.072	0.017	
2 535.0	21100	LTE B7	20	22.90	22.78	0.070	0	Right Touch	FCC #1	QPSK	1	99	1:1	0.019	1.028	0.020	
2 535.0	21100	LTE B7	20	22.90	22.78	0.000	0	Right Touch	FCC #1	QPSK	1	99	1:1	0.018	1.028	0.019	

ANSI / IEEE C95.1-1992– SAFETY LIMIT	Head
Spatial Peak	1.6 W/kg (mW/g)
Uncontrolled Exposure/General Population Exposure	averaged over 1 gram

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.

Table 11.1.4 LTE Head SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
2 595.0	38000	LTE B38	20	22.90	22.55	0.000	0	Left Touch	FCC #1	QPSK	1	50	1:1.58	0.017	1.084	0.018	
2 595.0	38000	LTE B38	20	21.90	21.40	0.000	1	Left Touch	FCC #1	QPSK	50	25	1:1.58	0.013	1.122	0.015	
2 595.0	38000	LTE B38	20	22.90	22.55	0.010	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.026	1.084	**0.028**	A14
2 595.0	38000	LTE B38	20	21.90	21.40	0.000	1	Right Touch	FCC #1	QPSK	50	25	1:1.58	0.017	1.122	0.019	
2 595.0	38000	LTE B38	20	22.90	22.55	0.000	0	Left Tilt	FCC #1	QPSK	1	50	1:1.58	0.009	1.084	0.010	
2 595.0	38000	LTE B38	20	21.90	21.40	0.000	1	Left Tilt	FCC #1	QPSK	50	25	1:1.58	0.004	1.122	0.004	
2 595.0	38000	LTE B38	20	22.90	22.55	0.000	0	Right Tilt	FCC #1	QPSK	1	50	1:1.58	0.012	1.084	0.013	
2 595.0	38000	LTE B38	20	21.90	21.40	0.000	1	Right Tilt	FCC #1	QPSK	50	25	1:1.58	0.010	1.122	0.011	
2 595.0	38000	LTE B38	20	22.90	22.55	-0.040	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.025	1.084	0.027	
2 595.0	38000	LTE B38	20	22.90	22.55	0.000	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.024	1.084	0.026	
3 646.7	56207	LTE B48	20	21.20	21.00	0.030	0	Left Touch	FCC #1	QPSK	1	50	1:1.58	0.455	1.047	0.476	
3 646.7	56207	LTE B48	20	20.20	19.98	-0.040	1	Left Touch	FCC #1	QPSK	50	25	1:1.58	0.386	1.052	0.406	
3 560.0	55340	LTE B48	20	21.20	20.90	0.000	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.653	1.072	0.700	
3 603.3	55773	LTE B48	20	21.20	20.87	0.160	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.666	1.079	0.719	
3 646.7	56207	LTE B48	20	21.20	21.00	0.010	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.770	1.047	**0.806**	A15
3 646.7	56207	LTE B48	20	20.20	19.98	-0.050	1	Right Touch	FCC #1	QPSK	50	25	1:1.58	0.681	1.052	0.716	
3 690.0	56640	LTE B48	20	21.20	20.88	0.160	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.595	1.076	0.640	
3 646.7	56207	LTE B48	20	21.20	21.00	-0.040	0	Left Tilt	FCC #1	QPSK	1	50	1:1.58	0.262	1.047	0.274	
3 646.7	56207	LTE B48	20	20.20	19.98	-0.050	1	Left Tilt	FCC #1	QPSK	50	25	1:1.58	0.214	1.052	0.225	
3 646.7	56207	LTE B48	20	21.20	21.00	-0.010	0	Right Tilt	FCC #1	QPSK	1	50	1:1.58	0.157	1.047	0.164	
3 646.7	56207	LTE B48	20	20.20	19.98	-0.020	1	Right Tilt	FCC #1	QPSK	50	25	1:1.58	0.128	1.052	0.135	
3 646.7	56207	LTE B48	20	21.20	21.00	-0.180	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.580	1.047	0.607	
3 646.7	56207	LTE B48	20	21.20	21.00	0.100	0	Right Touch	FCC #1	QPSK	1	50	1:1.58	0.535	1.047	0.560	
ANSI / IEEE C95.1-1992– SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure									Head 1.6 W/kg (mW/g) averaged over 1 gram								

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.

Table 11.1.5 NR Head SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Waveform/ Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
680.5	136100	NR B71	20	23.00	22.78	0.050	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.023	1.052	0.024	
680.5	136100	NR B71	20	23.00	22.46	0.190	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.020	1.132	0.023	
680.5	136100	NR B71	20	23.00	22.78	0.020	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.024	1.052	0.025	
680.5	136100	NR B71	20	23.00	22.46	-0.190	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.023	1.132	**0.026**	A16
680.5	136100	NR B71	20	23.00	22.78	-0.010	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.015	1.052	0.016	
680.5	136100	NR B71	20	23.00	22.46	0.160	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.009	1.132	0.010	
680.5	136100	NR B71	20	23.00	22.78	0.080	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.012	1.052	0.013	
680.5	136100	NR B71	20	23.00	22.46	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.012	1.132	0.014	
680.5	136100	NR B71	20	21.50	21.35	0.070	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.016	1.035	0.017	
680.5	136100	NR B71	20	23.00	22.78	0.110	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.023	1.052	0.024	
680.5	136100	NR B71	20	23.00	22.78	0.140	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.020	1.052	0.021	
707.5	141500	NR B12	15	22.50	22.40	0.060	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.027	1.023	0.028	
707.5	141500	NR B12	15	22.50	21.38	0.150	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.024	1.294	0.031	
707.5	141500	NR B12	15	22.50	22.40	0.050	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.047	1.023	**0.048**	A17
707.5	141500	NR B12	15	22.50	21.38	0.120	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.036	1.294	0.047	
707.5	141500	NR B12	15	22.50	22.40	0.100	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.014	1.023	0.014	
707.5	141500	NR B12	15	22.50	21.38	0.000	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.014	1.294	0.018	
707.5	141500	NR B12	15	22.50	22.40	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.008	1.023	0.008	
707.5	141500	NR B12	15	22.50	21.38	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.008	1.294	0.010	
707.5	141500	NR B12	15	21.00	20.52	0.000	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.016	1.117	0.018	
707.5	141500	NR B12	15	22.50	22.40	0.070	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	40	1;1	0.033	1.023	0.034	
707.5	141500	NR B12	15	22.50	22.40	0.120	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	40	1;1	0.035	1.023	0.036	
782.0	156400	NR B13	10	22.70	22.62	0.070	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.046	1.019	0.047	
782.0	156400	NR B13	10	22.70	22.55	-0.080	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.046	1.035	0.048	
782.0	156400	NR B13	10	22.70	22.62	0.070	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.065	1.019	**0.066**	A18
782.0	156400	NR B13	10	22.70	22.55	-0.110	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.059	1.035	0.061	
782.0	156400	NR B13	10	22.70	22.62	-0.100	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.030	1.019	0.031	
782.0	156400	NR B13	10	22.70	22.55	0.150	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.029	1.035	0.030	
782.0	156400	NR B13	10	22.70	22.62	0.150	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.037	1.019	0.038	
782.0	156400	NR B13	10	22.70	22.55	0.130	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.031	1.035	0.032	
782.0	156400	NR B13	10	21.20	21.13	-0.110	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.029	1.016	0.029	
782.0	156400	NR B13	10	22.70	22.62	0.060	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.059	1.019	0.060	
782.0	156400	NR B13	10	22.70	22.62	0.080	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.043	1.019	0.044	
793.0	158600	NR B14	10	22.70	22.55	-0.100	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.047	1.035	0.049	
793.0	158600	NR B14	10	22.70	22.50	0.090	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.047	1.047	0.049	
793.0	158600	NR B14	10	22.70	22.55	-0.100	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.055	1.035	**0.057**	A19
793.0	158600	NR B14	10	22.70	22.50	0.160	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.053	1.047	0.055	
793.0	158600	NR B14	10	22.70	22.55	0.140	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.025	1.035	0.026	
793.0	158600	NR B14	10	22.70	22.50	-0.030	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.024	1.047	0.025	
793.0	158600	NR B14	10	22.70	22.55	0.030	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.028	1.035	0.029	
793.0	158600	NR B14	10	22.70	22.50	0.060	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.026	1.047	0.027	
793.0	158600	NR B14	10	21.20	21.10	0.020	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.035	1.023	0.036	
793.0	158600	NR B14	10	22.70	22.55	-0.190	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.047	1.035	0.049	
793.0	158600	NR B14	10	22.70	22.55	-0.030	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.036	1.035	0.037	
836.5	167300	NR B5	20	23.00	22.86	0.170	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.057	1.033	0.059	
836.5	167300	NR B5	20	23.00	22.58	-0.090	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.056	1.102	0.062	
836.5	167300	NR B5	20	23.00	22.86	0.070	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.062	1.033	0.064	
836.5	167300	NR B5	20	23.00	22.58	0.130	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.059	1.102	**0.065**	A20
836.5	167300	NR B5	20	23.00	22.86	0.160	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.031	1.033	0.032	
836.5	167300	NR B5	20	23.00	22.58	0.190	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.031	1.102	0.034	
836.5	167300	NR B5	20	23.00	22.86	0.140	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.033	1.033	0.034	
836.5	167300	NR B5	20	23.00	22.58	0.050	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.033	1.102	0.036	
836.5	167300	NR B5	20	21.50	21.47	0.030	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.045	1.007	0.045	
836.5	167300	NR B5	20	23.00	22.86	0.040	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.038	1.033	0.039	
836.5	167300	NR B5	20	23.00	22.86	0.040	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.027	1.033	0.028	
1 745.0	349000	NR B66	20	22.50	22.40	0.140	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.053	1.023	0.054	
1 745.0	349000	NR B66	20	22.50	22.38	0.040	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.046	1.028	0.047	
1 720.0	344000	NR B66	20	22.50	22.35	0.130	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.051	1.035	0.053	
1 745.0	349000	NR B66	20	22.50	22.40	0.040	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.069	1.023	**0.071**	A21
1 770.0	354000	NR B66	20	22.50	21.97	0.130	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.051	1.130	0.058	
1 745.0	349000	NR B66	20	22.50	22.38	0.150	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.069	1.028	0.071	
1 745.0	349000	NR B66	20	22.50	22.40	0.150	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.030	1.023	0.031	
1 745.0	349000	NR B66	20	22.50	22.38	-0.060	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.028	1.028	0.029	
1 745.0	349000	NR B66	20	22.50	22.40	0.060	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.040	1.023	0.041	
1 745.0	349000	NR B66	20	22.50	22.38	0.180	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.040	1.028	0.041	
1 745.0	349000	NR B66	20	21.00	20.52	0.020	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.039	1.117	0.044	
1 745.0	349000	NR B66	20	22.50	22.40	-0.130	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1;1	0.066	1.023	0.068	
1 745.0	349000	NR B66	20	22.50	22.40	0.120	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1;1	0.054	1.023	0.055	
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Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.

Table 11.1.6 NR Head SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Waveform/ Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
1 880.0	376000	NR B2	20	21.90	21.77	0.000	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.050	1.030	0.052	
1 880.0	376000	NR B2	20	21.90	21.61	0.000	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.048	1.069	0.051	
1 860.0	372000	NR B2	20	21.90	21.50	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.045	1.096	0.049	
1 880.0	376000	NR B2	20	21.90	21.77	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.057	1.030	**0.059**	A22
1 900.0	380000	NR B2	20	21.90	21.42	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.049	1.117	0.055	
1 880.0	376000	NR B2	20	21.90	21.61	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.043	1.069	0.046	
1 880.0	376000	NR B2	20	21.90	21.77	0.000	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.016	1.030	0.016	
1 880.0	376000	NR B2	20	21.90	21.61	0.000	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.016	1.069	0.017	
1 880.0	376000	NR B2	20	21.90	21.77	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.031	1.030	0.032	
1 880.0	376000	NR B2	20	21.90	21.61	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.028	1.069	0.030	
1 880.0	376000	NR B2	20	20.40	20.01	0.000	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.031	1.094	0.034	
1 880.0	376000	NR B2	20	21.90	21.77	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1;1	0.040	1.030	0.041	
1 880.0	376000	NR B2	20	21.90	21.77	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	53	1;1	0.024	1.030	0.025	
2 535.0	507000	NR B7	20	23.30	23.25	0.000	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.004	1.012	0.004	
2 535.0	507000	NR B7	20	23.30	23.21	0.000	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.003	1.021	0.003	
2 510.0	502000	NR B7	20	23.30	22.84	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.010	1.112	0.011	
2 535.0	507000	NR B7	20	23.30	23.25	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.011	1.012	0.011	
2 560.0	512000	NR B7	20	23.30	22.82	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.011	1.117	**0.012**	A23
2 535.0	507000	NR B7	20	23.30	23.21	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.006	1.021	0.006	
2 535.0	507000	NR B7	20	23.30	23.25	0.000	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.002	1.012	0.002	
2 535.0	507000	NR B7	20	23.30	23.21	0.000	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.001	1.021	0.001	
2 535.0	507000	NR B7	20	23.30	23.25	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.001	1.012	0.001	
2 535.0	507000	NR B7	20	23.30	23.21	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.001	1.021	0.001	
2 535.0	507000	NR B7	20	21.80	21.59	0.000	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.003	1.050	0.003	
2 535.0	507000	NR B7	20	23.30	23.25	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1;1	0.007	1.012	0.007	
2 535.0	507000	NR B7	20	23.30	23.25	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1;1	0.004	1.012	0.004	
2 592.99	518598	NR B41	100	24.00	23.93	0.000	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.025	1.016	0.025	
2 592.99	518598	NR B41	100	24.00	23.74	0.000	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.022	1.062	0.023	
2 592.99	518598	NR B41	100	24.00	23.93	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.045	1.016	0.046	
2 592.99	518598	NR B41	100	24.00	23.74	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.044	1.062	**0.047**	A24
2 592.99	518598	NR B41	100	24.00	23.93	0.000	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.010	1.016	0.010	
2 592.99	518598	NR B41	100	24.00	23.74	0.000	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.004	1.062	0.004	
2 592.99	518598	NR B41	100	24.00	23.93	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.008	1.016	0.008	
2 592.99	518598	NR B41	100	24.00	23.74	0.000	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.007	1.062	0.007	
2 592.99	518598	NR B41	100	22.50	22.05	0.000	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.036	1.109	0.040	
2 592.99	518598	NR B41	100	24.00	23.93	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1;1	0.042	1.016	0.043	
2 592.99	518598	NR B41	100	24.00	23.93	0.000	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1;1	0.040	1.016	0.041	
3 624.99	641666	NR B48	40	19.30	19.20	0.020	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.199	1.023	0.204	
3 624.99	641666	NR B48	40	19.30	19.06	-0.030	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.198	1.057	0.209	
3 570.00	638000	NR B48	40	19.30	18.93	0.040	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.565	1.089	**0.615**	A25
3 624.99	641666	NR B48	40	19.30	19.20	-0.030	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.571	1.023	0.584	
3 679.98	645332	NR B48	40	19.30	19.16	0.070	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.422	1.033	0.436	
3 624.99	641666	NR B48	40	19.30	19.06	-0.110	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.395	1.057	0.418	
3 624.99	641666	NR B48	40	19.30	19.20	-0.070	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.133	1.023	0.136	
3 624.99	641666	NR B48	40	19.30	19.06	0.010	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.132	1.057	0.140	
3 624.99	641666	NR B48	40	19.30	19.20	0.110	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.093	1.023	0.095	
3 624.99	641666	NR B48	40	19.30	19.06	0.150	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.081	1.057	0.086	
3 624.99	641666	NR B48	40	17.80	17.66	0.100	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.352	1.033	0.364	
3 624.99	641666	NR B48	40	19.30	19.20	0.140	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1;1	0.341	1.023	0.349	
3 624.99	641666	NR B48	40	19.30	19.20	0.110	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	104	1;1	0.320	1.023	0.327	
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Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.

Table 11.1.7 NR Head SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Waveform/ Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
3 750.00	650000	NR B77	100	22.50	22.43	-0.060	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.337	1.016	0.342	
3 750.00	650000	NR B77	100	22.50	22.39	0.020	0	Left Touch	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.295	1.026	0.303	
3 750.00	650000	NR B77	100	22.50	22.43	0.150	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.742	1.016	**0.754**	A26
3 930.00	662000	NR B77	100	22.50	22.36	-0.170	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.721	1.033	0.745	
3 750.00	650000	NR B77	100	22.50	22.39	0.060	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.697	1.026	0.715	
3 930.00	662000	NR B77	100	22.50	21.98	0.190	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.669	1.127	0.754	
3 750.00	650000	NR B77	100	21.50	21.44	-0.140	1	Right Touch	FCC #1	DFT-s-OFDM QPSK	270	0	1:1	0.564	1.014	0.572	
3 750.00	650000	NR B77	100	22.50	22.43	0.140	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.132	1.016	0.134	
3 750.00	650000	NR B77	100	22.50	22.39	0.080	0	Left Tilt	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.115	1.026	0.118	
3 750.00	650000	NR B77	100	22.50	22.43	0.120	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.108	1.016	0.110	
3 750.00	650000	NR B77	100	22.50	22.39	-0.120	0	Right Tilt	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.096	1.026	0.098	
3 500.01	633334	NR B77 DoD	100	22.50	22.38	-0.080	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.713	1.028	0.733	
3 750.00	650000	NR B77	100	21.00	20.88	0.090	1.5	Right Touch	FCC #1	CP-OFDM QPSK	1	1	1:1	0.439	1.028	0.451	
3 750.00	650000	NR B77	100	22.50	22.43	-0.050	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1;1	0.489	1.016	0.497	
3 750.00	650000	NR B77	100	22.50	22.43	0.090	0	Right Touch	FCC #1	DFT-s-OFDM QPSK	1	271	1;1	0.470	1.016	0.478	
ANSI / IEEE C95.1-1992– SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure										Head 1.6 W/kg (mW/g) averaged over 1 gram							

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.

Table 11.1.8 Bluetooth Head SAR

MEASUREMENT RESULTS													
FREQUENCY		Mode	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Drift Power [dB]	Phantom Position	Device Serial Number	Rate [Mbps]	Duty Cycle (%)	1g SAR (W/kg)	Scaling Factor	Scaling Factor (Duty Cycle)	1g Scaled SAR (W/kg)	Plots #
MHz	Ch													
2 402.0	0	Bluetooth	8.50	7.67	0.020	Left Touch	FCC #2	1	76.8	0.018	1.211	1.302	0.028	
2 441.0	39	Bluetooth	8.50	8.22	0.060	Left Touch	FCC #2	1	76.8	0.023	1.067	1.302	**0.032**	A28
2 480.0	78	Bluetooth	8.50	7.34	0.030	Left Touch	FCC #2	1	76.8	0.017	1.306	1.302	0.029	
2 441.0	39	Bluetooth	8.50	8.22	0.090	Right Touch	FCC #2	1	76.8	0.008	1.067	1.302	0.011	
2 441.0	39	Bluetooth	8.50	8.22	0.090	Left Tilt	FCC #2	1	76.8	0.012	1.067	1.302	0.017	
2 441.0	39	Bluetooth	8.50	8.22	0.010	Right Tilt	FCC #2	1	76.8	0.004	1.067	1.302	0.006	
2 441.0	39	Bluetooth	8.50	8.22	0.000	Left Touch	FCC #2	1	76.8	0.014	1.067	1.302	0.019	
2 441.0	39	Bluetooth	8.50	8.22	0.000	Left Touch	FCC #2	1	76.8	0.014	1.067	1.302	0.019	
2 402.0	0	Bluetooth LE	7.00	6.23	0.070	Left Touch	FCC #2	1	85.0	0.012	1.194	1.176	0.017	
2 441.0	19	Bluetooth LE	7.00	6.72	-0.010	Left Touch	FCC #2	1	85.0	0.015	1.067	1.176	0.019	
2 480.0	39	Bluetooth LE	7.00	5.93	-0.060	Left Touch	FCC #2	1	85.0	0.010	1.279	1.176	0.015	
2 441.0	19	Bluetooth LE	7.00	6.72	-0.070	Right Touch	FCC #2	1	85.0	0.003	1.067	1.176	0.004	
2 441.0	19	Bluetooth LE	7.00	6.72	0.090	Left Tilt	FCC #2	1	85.0	0.007	1.067	1.176	0.009	
2 441.0	19	Bluetooth LE	7.00	6.72	0.030	Right Tilt	FCC #2	1	85.0	0.002	1.067	1.176	0.003	
2 441.0	19	Bluetooth LE	7.00	6.72	0.000	Left Touch	FCC #2	1	85.0	0.009	1.067	1.176	0.011	
2 441.0	19	Bluetooth LE	7.00	6.72	0.000	Left Touch	FCC #2	1	85.0	0.009	1.067	1.176	0.011	
ANSI / IEEE C95.1-1992– SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure										Head 1.6 W/kg (mW/g) averaged over 1 gram				

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.

11.2 Standalone Body-Worn/Hotspot SAR Results

Table 11.2.1 GPRS/WCDMA Body-Worn/Hotspot SAR

MEASUREMENT RESULTS														
FREQUENCY		Mode/ Band	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Drift Power [dB]	Spacing [Side]	Device Serial Number	# of Time Slots	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch													
836.6	190	GSM850	GPRS	28.10	28.00	0.070	10 mm [Bottom]	FCC #1	4	1:2.075	0.269	1.023	0.275	
836.6	190	GSM850	GSM	32.00	31.50	0.020	10 mm [Front]	FCC #1	1	1:8.3	0.120	1.122	0.135	
836.6	190	GSM850	GSM	32.00	31.50	0.020	10 mm [Rear]	FCC #1	1	1:8.3	0.346	1.122	0.388	
836.6	190	GSM850	GPRS	28.10	28.00	-0.000	10 mm [Front]	FCC #1	4	1:2.075	0.197	1.023	0.202	
824.2	128	GSM850	GPRS	28.10	27.80	-0.020	10 mm [Rear]	FCC #1	4	1:2.075	0.543	1.072	0.582	
836.6	190	GSM850	GPRS	28.10	28.00	-0.020	10 mm [Rear]	FCC #1	4	1:2.075	0.572	1.023	**0.585**	A29
848.8	251	GSM850	GPRS	28.10	27.90	0.010	10 mm [Rear]	FCC #1	4	1:2.075	0.539	1.047	0.564	
836.6	190	GSM850	GPRS	28.10	28.00	0.020	10 mm [Right]	FCC #1	4	1:2.075	0.248	1.023	0.254	
836.6	190	GSM850	GPRS	28.10	28.00	-0.000	10 mm [Left]	FCC #1	4	1:2.075	0.230	1.023	0.235	
836.6	190	GSM850	GPRS	28.10	28.00	0.030	10 mm [Rear]	FCC #1	4	1:2.075	0.351	1.023	0.359	
836.6	190	GSM850	GPRS	28.10	28.00	0.010	10 mm [Rear]	FCC #1	4	1:2.075	0.337	1.023	0.345	
1880.0	661	PCS1900	GPRS	26.60	26.50	-0.010	10 mm [Bottom]	FCC #1	3	1:2.77	0.425	1.023	0.435	
1880.0	661	PCS1900	PCS	29.00	28.30	0.030	10 mm [Front]	FCC #1	1	1:8.3	0.151	1.175	0.177	
1880.0	661	PCS1900	PCS	29.00	28.30	0.030	10 mm [Rear]	FCC #1	1	1:8.3	0.335	1.175	0.394	
1880.0	661	PCS1900	GPRS	26.60	26.50	0.010	10 mm [Front]	FCC #1	3	1:2.77	0.257	1.023	0.263	
1850.2	512	PCS1900	GPRS	26.60	26.40	-0.070	10 mm [Rear]	FCC #1	3	1:2.77	0.514	1.047	0.538	
1880.0	661	PCS1900	GPRS	26.60	26.50	-0.030	10 mm [Rear]	FCC #1	3	1:2.77	0.557	1.023	**0.570**	A30
1909.8	810	PCS1900	GPRS	26.60	26.30	-0.020	10 mm [Rear]	FCC #1	3	1:2.77	0.520	1.072	0.557	
1880.0	661	PCS1900	GPRS	26.60	26.50	-0.020	10 mm [Right]	FCC #1	3	1:2.77	0.174	1.023	0.178	
1880.0	661	PCS1900	GPRS	26.60	26.50	0.060	10 mm [Left]	FCC #1	3	1:2.77	0.069	1.023	0.071	
1880.0	661	PCS1900	GPRS	26.60	26.50	-0.040	10 mm [Rear]	FCC #1	3	1:2.77	0.465	1.023	0.476	
1880.0	661	PCS1900	GPRS	26.60	26.50	-0.090	10 mm [Rear]	FCC #1	3	1:2.77	0.442	1.023	0.452	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.000	10 mm [Bottom]	FCC #1	N/A	1:1	0.193	1.104	0.213	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.050	10 mm [Front]	FCC #1	N/A	1:1	0.088	1.104	0.097	
826.4	4132	WCDMA 850	RMC	22.50	21.96	0.060	10 mm [Rear]	FCC #1	N/A	1:1	0.301	1.132	0.341	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.060	10 mm [Rear]	FCC #1	N/A	1:1	0.314	1.104	**0.347**	A31
846.6	4233	WCDMA 850	RMC	22.50	22.02	0.060	10 mm [Rear]	FCC #1	N/A	1:1	0.305	1.117	0.341	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.010	10 mm [Right]	FCC #1	N/A	1:1	0.125	1.104	0.138	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.070	10 mm [Left]	FCC #1	N/A	1:1	0.082	1.104	0.091	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.040	10 mm [Rear]	FCC #1	N/A	1:1	0.233	1.104	0.257	
836.6	4183	WCDMA 850	RMC	22.50	22.07	0.010	10 mm [Rear]	FCC #1	N/A	1:1	0.219	1.104	0.242	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	-0.040	10 mm [Bottom]	FCC #1	N/A	1:1	0.247	1.050	0.259	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.030	10 mm [Front]	FCC #1	N/A	1:1	0.278	1.050	0.292	
1 712.4	1312	WCDMA 1700	RMC	22.50	22.15	0.030	10 mm [Rear]	FCC #1	N/A	1:1	0.541	1.084	0.586	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.010	10 mm [Rear]	FCC #1	N/A	1:1	0.564	1.050	**0.592**	A32
1 752.6	1513	WCDMA 1700	RMC	22.50	22.28	0.020	10 mm [Rear]	FCC #1	N/A	1:1	0.544	1.052	0.572	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.010	10 mm [Right]	FCC #1	N/A	1:1	0.188	1.050	0.197	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	-0.010	10 mm [Left]	FCC #1	N/A	1:1	0.086	1.050	0.090	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.010	10 mm [Rear]	FCC #1	N/A	1:1	0.433	1.050	0.455	
1 732.4	1412	WCDMA 1700	RMC	22.50	22.29	0.090	10 mm [Rear]	FCC #1	N/A	1:1	0.417	1.050	0.438	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	-0.030	10 mm [Bottom]	FCC #1	N/A	1:1	0.470	1.019	0.479	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	-0.020	10 mm [Front]	FCC #1	N/A	1:1	0.282	1.019	0.287	
1 852.4	9262	WCDMA 1900	RMC	22.50	22.47	0.020	10 mm [Rear]	FCC #1	N/A	1:1	0.530	1.007	0.534	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	0.020	10 mm [Rear]	FCC #1	N/A	1:1	0.535	1.019	**0.545**	A33
1 907.6	9538	WCDMA 1900	RMC	22.50	22.40	0.010	10 mm [Rear]	FCC #1	N/A	1:1	0.522	1.023	0.534	
1 852.4	9262	WCDMA 1900	RMC	22.50	22.47	0.010	10 mm [Right]	FCC #1	N/A	1:1	0.237	1.007	0.239	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	0.020	10 mm [Left]	FCC #1	N/A	1:1	0.042	1.019	0.043	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	0.030	10 mm [Rear]	FCC #1	N/A	1:1	0.434	1.019	0.442	
1 880.0	9400	WCDMA 1900	RMC	22.50	22.42	0.090	10 mm [Rear]	FCC #1	N/A	1:1	0.427	1.019	0.435	
ANSI / IEEE C95.1-1992– SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure											Body 1.6 W/kg (mW/g) averaged over 1 gram			

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.
3. Orange entries represent S50 Body-Worn & Hotspot measurements.
4. Purple entries represent S50 Body-Worn measurements.

Table 11.2.2 LTE Body-Worn/Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
680.5	133297	LTE B71	20	22.50	22.02	-0.020	0	10 mm [Bottom]	FCC #1	QPSK	1	50	1:1	0.099	1.117	0.111	
680.5	133297	LTE B71	20	21.50	21.08	-0.010	1	10 mm [Bottom]	FCC #1	QPSK	50	25	1:1	0.092	1.102	0.101	
680.5	133297	LTE B71	20	22.50	22.02	-0.010	0	10 mm [Front]	FCC #1	QPSK	1	50	1:1	0.063	1.117	0.070	
680.5	133297	LTE B71	20	21.50	21.08	0.040	1	10 mm [Front]	FCC #1	QPSK	50	25	1:1	0.047	1.102	0.052	
680.5	133297	LTE B71	20	22.50	22.02	-0.000	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1	0.163	1.117	**0.182**	A34
680.5	133297	LTE B71	20	21.50	21.08	-0.020	1	10 mm [Rear]	FCC #1	QPSK	50	25	1:1	0.137	1.102	0.151	
680.5	133297	LTE B71	20	22.50	22.02	-0.000	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1	0.121	1.117	0.135	
680.5	133297	LTE B71	20	21.50	21.08	0.000	1	10 mm [Right]	FCC #1	QPSK	50	25	1:1	0.093	1.102	0.102	
680.5	133297	LTE B71	20	22.50	22.02	0.000	0	10 mm [Left]	FCC #1	QPSK	1	50	1:1	0.036	1.117	0.040	
680.5	133297	LTE B71	20	21.50	21.08	0.010	1	10 mm [Left]	FCC #1	QPSK	50	25	1:1	0.026	1.102	0.029	
680.5	133297	LTE B71	20	22.50	22.02	0.040	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1	0.129	1.117	0.144	
680.5	133297	LTE B71	20	22.50	22.02	0.010	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1	0.104	1.117	0.116	
707.5	23095	LTE B12	10	22.50	21.89	0.010	0	10 mm [Bottom]	FCC #1	QPSK	1	25	1:1	0.163	1.151	0.188	
707.5	23095	LTE B12	10	21.50	20.96	-0.010	1	10 mm [Bottom]	FCC #1	QPSK	25	12	1:1	0.123	1.132	0.139	
707.5	23095	LTE B12	10	22.50	21.89	0.030	0	10 mm [Front]	FCC #1	QPSK	1	25	1:1	0.069	1.151	0.079	
707.5	23095	LTE B12	10	21.50	20.96	0.040	1	10 mm [Front]	FCC #1	QPSK	25	12	1:1	0.060	1.132	0.068	
707.5	23095	LTE B12	10	22.50	21.89	0.050	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.227	1.151	**0.261**	A35
707.5	23095	LTE B12	10	21.50	20.96	0.000	1	10 mm [Rear]	FCC #1	QPSK	25	12	1:1	0.181	1.132	0.205	
707.5	23095	LTE B12	10	22.50	21.89	0.010	0	10 mm [Right]	FCC #1	QPSK	1	25	1:1	0.105	1.151	0.121	
707.5	23095	LTE B12	10	21.50	20.96	-0.060	1	10 mm [Right]	FCC #1	QPSK	25	12	1:1	0.099	1.132	0.112	
707.5	23095	LTE B12	10	22.50	21.89	-0.010	0	10 mm [Left]	FCC #1	QPSK	1	25	1:1	0.037	1.151	0.043	
707.5	23095	LTE B12	10	21.50	20.96	-0.080	1	10 mm [Left]	FCC #1	QPSK	25	12	1:1	0.033	1.132	0.037	
707.5	23095	LTE B12	10	22.50	21.89	0.020	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.226	1.151	0.260	
707.5	23095	LTE B12	10	22.50	21.89	0.110	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.218	1.151	0.251	
782.0	23230	LTE B13	10	22.20	21.83	0.030	0	10 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.126	1.089	0.137	
782.0	23230	LTE B13	10	21.20	20.68	0.010	1	10 mm [Bottom]	FCC #1	QPSK	25	0	1:1	0.098	1.127	0.110	
782.0	23230	LTE B13	10	22.20	21.83	0.040	0	10 mm [Front]	FCC #1	QPSK	1	0	1:1	0.118	1.089	0.129	
782.0	23230	LTE B13	10	21.20	20.68	0.030	1	10 mm [Front]	FCC #1	QPSK	25	0	1:1	0.099	1.127	0.112	
782.0	23230	LTE B13	10	22.20	21.83	-0.010	0	10 mm [Rear]	FCC #1	QPSK	1	0	1:1	0.275	1.089	**0.299**	A36
782.0	23230	LTE B13	10	21.20	20.68	0.060	1	10 mm [Rear]	FCC #1	QPSK	25	0	1:1	0.193	1.127	0.218	
782.0	23230	LTE B13	10	22.20	21.83	-0.030	0	10 mm [Right]	FCC #1	QPSK	1	0	1:1	0.173	1.089	0.188	
782.0	23230	LTE B13	10	21.20	20.68	-0.010	1	10 mm [Right]	FCC #1	QPSK	25	0	1:1	0.148	1.127	0.167	
782.0	23230	LTE B13	10	22.20	21.83	-0.000	0	10 mm [Left]	FCC #1	QPSK	1	0	1:1	0.139	1.089	0.151	
782.0	23230	LTE B13	10	21.20	20.68	0.000	1	10 mm [Left]	FCC #1	QPSK	25	0	1:1	0.118	1.127	0.133	
782.0	23230	LTE B13	10	21.20	21.83	0.030	0	10 mm [Rear]	FCC #1	QPSK	1	0	1:1	0.189	0.865	0.163	
782.0	23230	LTE B13	10	21.20	21.83	0.090	0	10 mm [Rear]	FCC #1	QPSK	1	0	1:1	0.178	1.089	0.194	
793.0	23330	LTE B14	10	23.00	22.84	0.050	0	10 mm [Bottom]	FCC #1	QPSK	1	25	1:1	0.128	1.038	0.133	
793.0	23330	LTE B14	10	22.00	21.86	0.080	1	10 mm [Bottom]	FCC #1	QPSK	25	12	1:1	0.110	1.033	0.114	
793.0	23330	LTE B14	10	23.00	22.84	0.020	0	10 mm [Front]	FCC #1	QPSK	1	25	1:1	0.104	1.038	0.108	
793.0	23330	LTE B14	10	22.00	21.86	0.050	1	10 mm [Front]	FCC #1	QPSK	25	12	1:1	0.083	1.033	0.086	
793.0	23330	LTE B14	10	23.00	22.84	0.010	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.258	1.038	**0.268**	A37
793.0	23330	LTE B14	10	22.00	21.86	-0.030	1	10 mm [Rear]	FCC #1	QPSK	25	12	1:1	0.210	1.033	0.217	
793.0	23330	LTE B14	10	23.00	22.84	-0.030	0	10 mm [Right]	FCC #1	QPSK	1	25	1:1	0.135	1.038	0.140	
793.0	23330	LTE B14	10	22.00	21.86	-0.010	1	10 mm [Right]	FCC #1	QPSK	25	12	1:1	0.109	1.033	0.113	
793.0	23330	LTE B14	10	23.00	22.84	-0.050	0	10 mm [Left]	FCC #1	QPSK	1	25	1:1	0.114	1.038	0.118	
793.0	23330	LTE B14	10	22.00	21.86	-0.010	1	10 mm [Left]	FCC #1	QPSK	25	12	1:1	0.092	1.033	0.095	
793.0	23330	LTE B14	10	23.00	22.84	0.090	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.153	1.038	0.159	
793.0	23330	LTE B14	10	23.00	22.84	0.040	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.147	1.038	0.153	
836.5	20525	LTE B5	10	22.70	22.20	-0.110	0	10 mm [Bottom]	FCC #1	QPSK	1	25	1:1	0.158	1.122	0.177	
836.5	20525	LTE B5	10	21.70	21.21	-0.180	1	10 mm [Bottom]	FCC #1	QPSK	25	12	1:1	0.122	1.119	0.137	
836.5	20525	LTE B5	10	22.70	22.20	-0.010	0	10 mm [Front]	FCC #1	QPSK	1	25	1:1	0.111	1.122	0.125	
836.5	20525	LTE B5	10	21.70	21.21	-0.010	1	10 mm [Front]	FCC #1	QPSK	25	12	1:1	0.086	1.119	0.096	
836.5	20525	LTE B5	10	22.70	22.20	0.010	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.292	1.122	**0.328**	A38
836.5	20525	LTE B5	10	21.70	21.21	0.000	1	10 mm [Rear]	FCC #1	QPSK	25	12	1:1	0.234	1.119	0.262	
836.5	20525	LTE B5	10	22.70	22.20	0.030	0	10 mm [Right]	FCC #1	QPSK	1	25	1:1	0.176	1.122	0.197	
836.5	20525	LTE B5	10	21.70	21.21	0.020	1	10 mm [Right]	FCC #1	QPSK	25	12	1:1	0.135	1.119	0.151	
836.5	20525	LTE B5	10	22.70	22.20	0.000	0	10 mm [Left]	FCC #1	QPSK	1	25	1:1	0.131	1.122	0.147	
836.5	20525	LTE B5	10	21.70	21.21	-0.020	1	10 mm [Left]	FCC #1	QPSK	25	12	1:1	0.106	1.119	0.119	
836.5	20525	LTE B5	10	22.70	22.20	0.180	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.181	1.122	0.203	
836.5	20525	LTE B5	10	22.70	22.20	0.130	0	10 mm [Rear]	FCC #1	QPSK	1	25	1:1	0.166	1.122	0.186	
1 745.0	132322	LTE B66	20	22.70	22.45	-0.050	0	10 mm [Bottom]	FCC #1	QPSK	1	50	1:1	0.253	1.059	0.268	
1 745.0	132322	LTE B66	20	21.70	21.32	-0.050	1	10 mm [Bottom]	FCC #1	QPSK	50	25	1:1	0.200	1.091	0.218	
1 745.0	132322	LTE B66	20	22.70	22.45	0.010	0	10 mm [Front]	FCC #1	QPSK	1	50	1:1	0.251	1.059	0.266	
1 745.0	132322	LTE B66	20	21.70	21.32	0.010	1	10 mm [Front]	FCC #1	QPSK	50	25	1:1	0.205	1.091	0.224	
1 720.0	132072	LTE B66	20	22.70	22.30	-0.010	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1	0.377	1.096	0.413	
1 745.0	132322	LTE B66	20	22.70	22.45	-0.060	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1	0.561	1.059	**0.594**	A39
1 745.0	132322	LTE B66	20	21.70	21.32	-0.030	1	10 mm [Rear]	FCC #1	QPSK	50	25	1:1	0.448	1.091	0.489	
1 770.0	132572	LTE B66	20	22.70	22.37	-0.080	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1	0.530	1.079	0.572	
1 745.0	132322	LTE B66	20	22.70	22.45	-0.000	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1	0.131	1.059	0.139	
1 745.0	132322	LTE B66	20	21.70	21.32	0.050	1	10 mm [Right]	FCC #1	QPSK	50	25	1:1	0.101	1.091	0.110	
1 745.0	132322	LTE B66	20	22.70	22.45	0.150	0	10 mm [Left]	FCC #1	QPSK	1	50	1:1	0.035	1.059	0.037	
1 745.0	132322	LTE B66	20	21.70	21.32	0.010	1	10 mm [Left]	FCC #1	QPSK	50	25	1:1	0.030	1.091	0.033	
1 745.0	132322	LTE B66	20	22.70	22.45	0.050	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1	0.396	1.059	0.419	
1 745.0	132322	LTE B66	20	22.70	22.45	0.140	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1	0.344	1.059	0.364	
1 880.0	18900	LTE B2	20	22.70	22.47	0.090	0	10 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.369	1.054	0.389	
1 880.0	18900	LTE B2	20	21.70	21.49	0.060	1	10 mm [Bottom]	FCC #1	QPSK	50	0	1:1	0.294	1.050	0.309	
1 880.0	18900	LTE B2	20	22.70	22.47	-0.000	0	10 mm [Front]	FCC #1	QPSK	1	0	1:1	0.210	1.054	0.221	
1 880.0	18900	LTE B2	20	21.70	21.49	0.040	1	10 mm [Front]	FCC #1	QPSK	50	0	1:1	0.172	1.050	0.181	
1 860.0	18700	LTE B2	20	22.70	22.39	0.010	0	10 mm [Rear]	FCC #1	QPSK	1	0	1:1	0.544	1.074	0.584	
1 880.0	18900	LTE B2	20	22.70	22.47	0.010	0	10 mm [Rear]	FCC #1	QPSK	1	0	1:1	0.564	1.054	**0.594**	A40
1 880.0	18900	LTE B2	20	21.70	21.49	-0.080	1	10 mm [Rear]	FCC #1	QPSK	50	0	1:1	0.436	1.050	0.458	
1 900.0	19100	LTE B2	20	22.70	22.42	0.000	0	10 mm [Rear]	FCC #1	QPSK	1	0	1:1	0.553	1.067	0.590	
1 880.0	18900	LTE B2	20	22.70	22.47	-0.010	0	10 mm [Right]	FCC #1	QPSK	1	0	1:1	0.158	1.054	0.167	
1 880.0	18900	LTE B2	20	21.70	21.49	-0.030	1	10 mm [Right]	FCC #1	QPSK	50	0	1:1	0.127	1.050	0.133	
1 880.0	18900	LTE B2	20	22.70	22.47	0.060	0	10 mm [Left]	FCC #1	QPSK	1	0	1:1	0.054	1.054	0.057	
1 880.0	18900	LTE B2	20	21.70	21.49	0.100	1	10 mm [Left]	FCC #1	QPSK	50	0	1:1	0.041	1.050	0.043	
1 880.0	18900	LTE B2	20	22.70	22.47	-0.190	0	10 mm [Rear]	FCC #1	QPSK	1	0	1:1	0.517	1.054	0.545	
1 880.0	18900	LTE B2	20	22.70	22.47	-0.110	0	10 mm [Rear]	FCC #1	QPSK	1	0	1:1	0.504	1.054	0.531	

ANSI / IEEE C95.1-1992– SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure	Body 1.6 W/kg (mW/g) averaged over 1 gram

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.
3. Orange entries represent S50 Body-Worn & Hotspot measurements.

Table 11.2.3 LTE Body-Worn/Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
2 510.0	20850	LTE B7	20	22.90	22.43	0.150	0	10 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.441	1.114	0.491	
2 535.0	21100	LTE B7	20	22.90	22.78	0.160	0	10 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.482	1.028	**0.495**	A41
2 535.0	21100	LTE B7	20	21.90	21.60	0.070	1	10 mm [Bottom]	FCC #1	QPSK	50	25	1:1	0.406	1.072	0.435	
2 560.0	21350	LTE B7	20	22.90	22.68	0.170	0	10 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.462	1.052	0.486	
2 535.0	21100	LTE B7	20	22.90	22.78	-0.000	0	10 mm [Front]	FCC #1	QPSK	1	99	1:1	0.139	1.028	0.143	
2 535.0	21100	LTE B7	20	21.90	21.60	-0.010	1	10 mm [Front]	FCC #1	QPSK	50	25	1:1	0.112	1.072	0.120	
2 510.0	20850	LTE B7	20	22.90	22.43	-0.090	0	10 mm [Rear]	FCC #1	QPSK	1	99	1:1	0.164	1.114	0.183	
2 535.0	21100	LTE B7	20	22.90	22.78	-0.030	0	10 mm [Rear]	FCC #1	QPSK	1	99	1:1	0.185	1.028	0.190	
2 535.0	21100	LTE B7	20	21.90	21.60	-0.110	1	10 mm [Rear]	FCC #1	QPSK	50	25	1:1	0.169	1.072	0.181	
2 560.0	21350	LTE B7	20	22.90	22.68	-0.000	0	10 mm [Rear]	FCC #1	QPSK	1	99	1:1	0.149	1.052	0.157	
2 535.0	21100	LTE B7	20	22.90	22.78	0.040	0	10 mm [Right]	FCC #1	QPSK	1	99	1:1	0.252	1.028	0.259	
2 535.0	21100	LTE B7	20	21.90	21.60	-0.030	1	10 mm [Right]	FCC #1	QPSK	50	25	1:1	0.204	1.072	0.219	
2 535.0	21100	LTE B7	20	22.90	22.78	-0.040	0	10 mm [Left]	FCC #1	QPSK	1	99	1:1	0.044	1.028	0.045	
2 535.0	21100	LTE B7	20	21.90	21.60	0.010	1	10 mm [Left]	FCC #1	QPSK	50	25	1:1	0.038	1.072	0.041	
2 535.0	21100	LTE B7	20	22.90	22.78	0.020	0	10 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.359	1.028	0.369	
2 535.0	21100	LTE B7	20	22.90	22.78	0.090	0	10 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.342	1.028	0.352	
2 535.0	21100	LTE B7	20	22.90	22.78	-0.080	0	10 mm [Rear]	FCC #1	QPSK	1	99	1:1	0.105	1.028	0.108	
2 535.0	21100	LTE B7	20	22.90	22.78	-0.010	0	10 mm [Rear]	FCC #1	QPSK	1	99	1:1	0.110	1.028	0.113	
2 595.0	38000	LTE B38	20	22.90	22.55	0.130	0	10 mm [Bottom]	FCC #1	QPSK	1	50	1:1.58	0.352	1.084	**0.382**	A42
2 595.0	38000	LTE B38	20	21.90	21.40	0.160	1	10 mm [Bottom]	FCC #1	QPSK	50	25	1:1.58	0.272	1.122	0.305	
2 595.0	38000	LTE B38	20	22.90	22.55	-0.030	0	10 mm [Front]	FCC #1	QPSK	1	50	1:1.58	0.099	1.084	0.107	
2 595.0	38000	LTE B38	20	21.90	21.40	-0.020	1	10 mm [Front]	FCC #1	QPSK	50	25	1:1.58	0.077	1.122	0.086	
2 595.0	38000	LTE B38	20	22.90	22.55	-0.110	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.108	1.084	0.117	
2 595.0	38000	LTE B38	20	21.90	21.40	-0.000	1	10 mm [Rear]	FCC #1	QPSK	50	25	1:1.58	0.085	1.122	0.095	
2 595.0	38000	LTE B38	20	22.90	22.55	-0.010	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1.58	0.091	1.084	0.099	
2 595.0	38000	LTE B38	20	21.90	21.40	0.020	1	10 mm [Right]	FCC #1	QPSK	50	25	1:1.58	0.076	1.122	0.085	
2 595.0	38000	LTE B38	20	22.90	22.55	-0.080	0	10 mm [Left]	FCC #1	QPSK	1	50	1:1.58	0.026	1.084	0.028	
2 595.0	38000	LTE B38	20	21.90	21.40	-0.180	1	10 mm [Left]	FCC #1	QPSK	50	25	1:1.58	0.021	1.122	0.024	
2 595.0	38000	LTE B38	20	22.90	22.55	-0.150	0	10 mm [Bottom]	FCC #1	QPSK	1	50	1:1.58	0.244	1.084	0.264	
2 595.0	38000	LTE B38	20	22.90	22.55	0.160	0	10 mm [Bottom]	FCC #1	QPSK	1	50	1:1.58	0.275	1.084	0.298	
2 595.0	38000	LTE B38	20	22.90	22.55	-0.110	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.068	1.084	0.074	
2 595.0	38000	LTE B38	20	22.90	22.55	-0.190	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.061	1.084	0.066	
3 646.7	56207	LTE B48	20	21.20	21.00	-0.040	0	10 mm [Bottom]	FCC #1	QPSK	1	50	1:1.58	0.054	1.047	0.057	
3 646.7	56207	LTE B48	20	20.20	19.98	0.050	1	10 mm [Bottom]	FCC #1	QPSK	50	25	1:1.58	0.033	1.052	0.035	
3 646.7	56207	LTE B48	20	21.20	21.00	-0.030	0	10 mm [Front]	FCC #1	QPSK	1	50	1:1.58	0.201	1.047	0.210	
3 646.7	56207	LTE B48	20	20.20	19.98	-0.060	1	10 mm [Front]	FCC #1	QPSK	50	25	1:1.58	0.162	1.052	0.170	
3 560.0	55340	LTE B48	20	21.20	20.90	0.020	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.238	1.072	0.255	
3 603.3	55773	LTE B48	20	21.20	20.87	0.040	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.229	1.079	0.247	
3 646.7	56207	LTE B48	20	21.20	21.00	0.010	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.270	1.047	0.283	
3 646.7	56207	LTE B48	20	20.20	19.98	-0.010	1	10 mm [Rear]	FCC #1	QPSK	50	25	1:1.58	0.219	1.052	0.230	
3 690.0	56640	LTE B48	20	21.20	20.88	-0.020	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.241	1.076	0.259	
3 560.0	55340	LTE B48	20	21.20	20.90	-0.110	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1.58	0.529	1.072	0.567	
3 603.3	55773	LTE B48	20	21.20	20.87	0.080	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1.58	0.511	1.079	0.551	
3 646.7	56207	LTE B48	20	21.20	21.00	0.110	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1.58	0.551	1.047	**0.577**	A43
3 646.7	56207	LTE B48	20	20.20	19.98	-0.080	1	10 mm [Right]	FCC #1	QPSK	50	25	1:1.58	0.436	1.052	0.459	
3 690.0	56640	LTE B48	20	21.20	20.88	0.120	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1.58	0.450	1.076	0.484	
3 646.7	56207	LTE B48	20	21.20	21.00	0.000	0	10 mm [Left]	FCC #1	QPSK	1	50	1:1.58	0.079	1.047	0.083	
3 646.7	56207	LTE B48	20	20.20	19.98	-0.040	1	10 mm [Left]	FCC #1	QPSK	50	25	1:1.58	0.063	1.052	0.066	
3 646.7	56207	LTE B48	20	21.20	21.00	0.060	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.168	1.047	0.176	
3 646.7	56207	LTE B48	20	21.20	21.00	0.020	0	10 mm [Rear]	FCC #1	QPSK	1	50	1:1.58	0.151	1.047	0.158	
3 646.7	56207	LTE B48	20	21.20	21.00	0.000	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1.58	0.343	1.047	0.359	
3 646.7	56207	LTE B48	20	21.20	21.00	0.110	0	10 mm [Right]	FCC #1	QPSK	1	50	1:1.58	0.308	1.047	0.322	
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Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.
3. Orange entries represent S50 Body-Worn & Hotspot measurements.

Table 11.2.4 NR Body-Worn/Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Waveform/ Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
680.5	136100	NR B71	20	23.00	22.78	-0.000	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.076	1.052	0.080	
680.5	136100	NR B71	20	23.00	22.46	0.030	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.076	1.132	0.086	
680.5	136100	NR B71	20	23.00	22.78	-0.010	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.024	1.052	0.025	
680.5	136100	NR B71	20	23.00	22.46	-0.020	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.024	1.132	0.027	
680.5	136100	NR B71	20	23.00	22.78	-0.100	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.148	1.052	0.156	
680.5	136100	NR B71	20	23.00	22.46	-0.090	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.147	1.132	**0.166**	A44
680.5	136100	NR B71	20	23.00	22.78	0.030	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.039	1.052	0.041	
680.5	136100	NR B71	20	23.00	22.46	0.030	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.037	1.132	0.042	
680.5	136100	NR B71	20	23.00	22.78	0.050	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.013	1.052	0.014	
680.5	136100	NR B71	20	23.00	22.46	0.140	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.012	1.132	0.014	
680.5	136100	NR B71	20	21.50	21.35	-0.070	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.103	1.035	0.107	
680.5	136100	NR B71	20	23.00	22.78	-0.010	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.066	1.052	0.069	
680.5	136100	NR B71	20	23.00	22.78	-0.020	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.031	1.052	0.033	
707.5	141500	NR B12	15	22.50	22.40	0.030	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.056	1.023	0.057	
707.5	141500	NR B12	15	22.50	21.38	0.030	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.055	1.294	0.071	
707.5	141500	NR B12	15	22.50	22.40	-0.100	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.040	1.023	0.041	
707.5	141500	NR B12	15	22.50	21.38	-0.110	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.034	1.294	0.044	
707.5	141500	NR B12	15	22.50	22.40	0.060	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.128	1.023	**0.131**	A45
707.5	141500	NR B12	15	22.50	21.38	0.010	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.087	1.294	0.113	
707.5	141500	NR B12	15	22.50	22.40	0.070	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.066	1.023	0.068	
707.5	141500	NR B12	15	22.50	21.38	0.070	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.066	1.294	0.085	
707.5	141500	NR B12	15	22.50	22.40	-0.030	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	40	1:1	0.028	1.023	0.029	
707.5	141500	NR B12	15	22.50	21.38	0.030	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	36	22	1:1	0.026	1.294	0.034	
707.5	141500	NR B12	15	21.00	20.52	-0.020	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.068	1.117	0.076	
707.5	141500	NR B12	15	22.50	22.40	-0.010	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	40	1;1	0.069	1.023	0.071	
707.5	141500	NR B12	15	22.50	22.40	-0.070	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	40	1;1	0.047	1.023	0.048	
782.0	156400	NR B13	10	22.70	22.62	-0.080	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.042	1.019	0.043	
782.0	156400	NR B13	10	22.70	22.55	-0.060	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.042	1.035	0.043	
782.0	156400	NR B13	10	22.70	22.62	-0.070	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.050	1.019	0.051	
782.0	156400	NR B13	10	22.70	22.55	-0.000	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.050	1.035	0.052	
782.0	156400	NR B13	10	22.70	22.62	-0.070	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.097	1.019	**0.099**	A46
782.0	156400	NR B13	10	22.70	22.55	-0.090	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.096	1.035	0.099	
782.0	156400	NR B13	10	22.70	22.62	-0.020	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.075	1.019	0.076	
782.0	156400	NR B13	10	22.70	22.55	0.060	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.075	1.035	0.078	
782.0	156400	NR B13	10	22.70	22.62	0.110	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.059	1.019	0.060	
782.0	156400	NR B13	10	22.70	22.55	0.000	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.058	1.035	0.060	
782.0	156400	NR B13	10	21.20	21.13	0.000	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.079	1.016	0.080	
782.0	156400	NR B13	10	22.70	22.62	-0.020	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.091	1.019	0.093	
782.0	156400	NR B13	10	22.70	22.62	0.010	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.072	1.019	0.073	
793.0	158600	NR B14	10	22.70	22.55	0.030	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.029	1.035	0.030	
793.0	158600	NR B14	10	22.70	22.50	-0.050	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.024	1.047	0.025	
793.0	158600	NR B14	10	22.70	22.55	-0.020	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.041	1.035	0.042	
793.0	158600	NR B14	10	22.70	22.50	0.000	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.040	1.047	0.042	
793.0	158600	NR B14	10	22.70	22.55	-0.060	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.106	1.035	0.110	
793.0	158600	NR B14	10	22.70	22.50	-0.070	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.105	1.047	**0.110**	A47
793.0	158600	NR B14	10	22.70	22.55	0.040	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.065	1.035	0.067	
793.0	158600	NR B14	10	22.70	22.50	0.030	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.065	1.047	0.068	
793.0	158600	NR B14	10	22.70	22.55	-0.130	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.022	1.035	0.023	
793.0	158600	NR B14	10	22.70	22.50	0.140	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	25	14	1:1	0.022	1.047	0.023	
793.0	158600	NR B14	10	21.20	21.10	0.030	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.085	1.023	0.087	
793.0	158600	NR B14	10	22.70	22.55	-0.060	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.065	1.035	0.067	
793.0	158600	NR B14	10	22.70	22.55	-0.050	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.054	1.035	0.056	
836.5	167300	NR B5	20	23.00	22.86	-0.010	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.066	1.033	0.068	
836.5	167300	NR B5	20	23.00	22.58	-0.040	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.064	1.102	0.071	
836.5	167300	NR B5	20	23.00	22.86	-0.010	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.049	1.033	0.051	
836.5	167300	NR B5	20	23.00	22.58	0.000	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.048	1.102	0.053	
836.5	167300	NR B5	20	23.00	22.86	-0.040	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.150	1.033	0.155	
836.5	167300	NR B5	20	23.00	22.58	-0.040	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.148	1.102	**0.163**	A48
836.5	167300	NR B5	20	23.00	22.86	0.010	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.072	1.033	0.074	
836.5	167300	NR B5	20	23.00	22.58	0.040	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.070	1.102	0.077	
836.5	167300	NR B5	20	23.00	22.86	-0.040	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	1	1:1	0.055	1.033	0.057	
836.5	167300	NR B5	20	23.00	22.58	-0.020	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.056	1.102	0.062	
836.5	167300	NR B5	20	21.50	21.47	0.000	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.120	1.007	0.121	
836.5	167300	NR B5	20	23.00	22.86	-0.130	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.075	1.033	0.077	
836.5	167300	NR B5	20	23.00	22.86	-0.100	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	1	1;1	0.060	1.033	0.062	

ANSI / IEEE C95.1-1992– SAFETY LIMIT	Body
Spatial Peak	1.6 W/kg (mW/g)
Uncontrolled Exposure/General Population Exposure	averaged over 1 gram

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.
3. Orange entries represent S50 Body-Worn & Hotspot measurements.

Table 11.2.5 NR Body-Worn/Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY		Mode/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Waveform/ Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
1 745.0	349000	NR B66	20	22.50	22.40	0.080	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.105	1.023	0.107	
1 745.0	349000	NR B66	20	22.50	22.38	-0.010	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.103	1.028	0.106	
1 745.0	349000	NR B66	20	22.50	22.40	0.000	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.134	1.023	0.137	
1 745.0	349000	NR B66	20	22.50	22.38	-0.050	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.132	1.028	0.136	
1 720.0	344000	NR B66	20	22.50	22.35	0.060	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.317	1.035	0.328	
1 745.0	349000	NR B66	20	22.50	22.40	0.150	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.377	1.023	**0.386**	A49
1 770.0	354000	NR B66	20	22.50	21.97	0.060	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.336	1.130	0.380	
1 745.0	349000	NR B66	20	22.50	22.38	0.030	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.364	1.028	0.374	
1 745.0	349000	NR B66	20	22.50	22.40	-0.080	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.098	1.023	0.100	
1 745.0	349000	NR B66	20	22.50	22.38	0.080	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.079	1.028	0.081	
1 745.0	349000	NR B66	20	22.50	22.40	-0.160	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.018	1.023	0.018	
1 745.0	349000	NR B66	20	22.50	22.38	-0.090	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.019	1.028	0.020	
1 720.0	344000	NR B66	20	21.00	20.52	-0.010	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.234	1.117	0.261	
1 720.0	344000	NR B66	20	22.50	22.40	-0.030	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1;1	0.193	1.023	0.197	
1 720.0	344000	NR B66	20	22.50	22.40	0.040	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1;1	0.152	1.023	0.155	
1 880.0	376000	NR B2	20	21.90	21.77	0.010	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.147	1.030	0.151	
1 880.0	376000	NR B2	20	21.90	21.61	-0.030	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.144	1.069	0.154	
1 880.0	376000	NR B2	20	21.90	21.77	-0.100	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.108	1.030	0.111	
1 880.0	376000	NR B2	20	21.90	21.61	-0.130	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.107	1.069	0.114	
1 860.0	372000	NR B2	20	21.90	21.50	0.070	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.378	1.096	0.414	
1 880.0	376000	NR B2	20	21.90	21.77	0.080	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.401	1.030	**0.413**	A50
1 900.0	380000	NR B2	20	21.90	21.42	0.040	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.387	1.117	0.432	
1 880.0	376000	NR B2	20	21.90	21.61	0.090	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.387	1.069	0.414	
1 880.0	376000	NR B2	20	21.90	21.77	0.130	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.066	1.030	0.068	
1 880.0	376000	NR B2	20	21.90	21.61	0.070	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.064	1.069	0.068	
1 880.0	376000	NR B2	20	21.90	21.77	-0.018	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	53	1:1	0.025	1.030	0.026	
1 880.0	376000	NR B2	20	21.90	21.61	-0.050	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.025	1.069	0.027	
1 880.0	376000	NR B2	20	20.40	20.01	0.020	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.248	1.094	0.271	
1 880.0	376000	NR B2	20	21.90	21.77	0.030	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1;1	0.250	1.030	0.258	
1 880.0	376000	NR B2	20	21.90	21.77	0.030	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	53	1;1	0.224	1.030	0.231	
2 510.0	502000	NR B7	20	23.30	22.84	-0.040	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.097	1.112	0.108	
2 535.0	507000	NR B7	20	23.30	23.25	0.070	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.153	1.012	**0.155**	A51
2 560.0	512000	NR B7	20	23.30	22.82	-0.110	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.112	1.117	0.125	
2 535.0	507000	NR B7	20	23.30	23.21	0.050	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.118	1.021	0.120	
2 535.0	507000	NR B7	20	23.30	23.25	0.010	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.050	1.012	0.051	
2 535.0	507000	NR B7	20	23.30	23.21	-0.060	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.047	1.021	0.048	
2 510.0	502000	NR B7	20	23.30	22.84	-0.080	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.100	1.112	0.111	
2 535.0	507000	NR B7	20	23.30	23.25	-0.040	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.112	1.012	0.113	
2 560.0	512000	NR B7	20	23.30	22.82	-0.090	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.103	1.117	0.115	
2 535.0	507000	NR B7	20	23.30	23.21	-0.060	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.096	1.021	0.098	
2 535.0	507000	NR B7	20	23.30	23.25	-0.130	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.052	1.012	0.053	
2 535.0	507000	NR B7	20	23.30	23.21	-0.130	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.054	1.021	0.055	
2 535.0	507000	NR B7	20	23.30	23.25	0.010	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	104	1:1	0.012	1.012	0.012	
2 535.0	507000	NR B7	20	23.30	23.21	-0.030	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	50	28	1:1	0.012	1.021	0.012	
2 535.0	507000	NR B7	20	21.80	21.59	-0.120	1.5	10 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.110	1.050	0.116	
2 535.0	507000	NR B7	20	23.30	23.25	-0.180	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	104	1;1	0.103	1.012	0.104	
2 535.0	507000	NR B7	20	23.30	23.25	0.040	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	104	1;1	0.086	1.012	0.087	
2 535.0	507000	NR B7	20	21.80	21.59	0.100	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.077	1.050	0.081	
2 560.0	512000	NR B7	20	23.30	23.25	-0.050	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	104	1;1	0.072	1.012	0.073	
2 560.0	512000	NR B7	20	23.30	23.25	-0.110	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	104	1;1	0.066	1.012	0.067	
2 592.99	518598	NR B41	100	24.00	23.93	0.180	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.489	1.016	**0.497**	A52
2 592.99	518598	NR B41	100	24.00	23.74	0.030	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.428	1.062	0.455	
2 592.99	518598	NR B41	100	24.00	23.93	-0.150	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.140	1.016	0.142	
2 592.99	518598	NR B41	100	24.00	23.74	0.050	0	10 mm [Front]	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.100	1.062	0.106	
2 592.99	518598	NR B41	100	24.00	23.93	-0.090	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.295	1.016	0.300	
2 592.99	518598	NR B41	100	24.00	23.74	0.180	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.158	1.062	0.168	
2 592.99	518598	NR B41	100	24.00	23.93	0.150	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.202	1.016	0.205	
2 592.99	518598	NR B41	100	24.00	23.74	-0.020	0	10 mm [Right]	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.164	1.062	0.174	
2 592.99	518598	NR B41	100	24.00	23.93	-0.000	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	1	271	1:1	0.051	1.016	0.052	
2 592.99	518598	NR B41	100	24.00	23.74	-0.030	0	10 mm [Left]	FCC #1	DFT-s-OFDM QPSK	135	69	1:1	0.048	1.062	0.051	
2 592.99	518598	NR B41	100	22.50	22.05	-0.070	1.5	10 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.273	1.109	0.303	
2 592.99	518598	NR B41	100	24.00	23.93	0.050	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	271	1;1	0.314	1.016	0.319	
2 592.99	518598	NR B41	100	24.00	23.93	0.010	0	10 mm [Bottom]	FCC #1	DFT-s-OFDM QPSK	1	271	1;1	0.297	1.016	0.302	
2 592.99	518598	NR B41	100	22.50	22.05	0.020	1.5	10 mm [Rear]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.212	1.109	0.235	
2 592.99	518598	NR B41	100	24.00	23.93	-0.090	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	271	1;1	0.239	1.016	0.243	
2 592.99	518598	NR B41	100	24.00	23.93	-0.110	0	10 mm [Rear]	FCC #1	DFT-s-OFDM QPSK	1	271	1;1	0.204	1.016	0.207	
ANSI / IEEE C95.1-1992– SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure													Body 1.6 W/kg (mW/g) averaged over 1 gram				

Note(s):
1. Blue entries represent S70 #1 measurements.
2. Green entries represent S70 #2 measurements.
3. Orange entries represent S50 Body-Worn & Hotspot measurements.