APPENDIX A: SAR TEST RESULTS FOR P_{LIMIT} CALCULATIONS

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
Data highlighted in blue was tested and provided by the manufacturer.

Table A-1
DSI = 2 P_{Limit} Calculations –GSM 850 Head SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
848.80	251	Right	Cheek	GSM 850	GSM	A	Open	33.10	1:8.3	0.149	32.17	32.17
848.80	251	Right	Tilt	GSM 850	GSM	A	Open	33.10	1:8.3	0.064	35.84	
848.80	251	Left	Cheek	GSM 850	GSM	A	Open	33.10	1:8.3	0.119	33.14	
848.80	251	Left	Tilt	GSM 850	GSM	A	Open	33.10	1:8.3	0.059	36.19	

Table A-2
DSI = 2 P_{Limit} Calculations –GSM 1900 Head SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
1909.80	810	Right	Cheek	GSM 1900	GSM	A	Open	31.12	1:8.3	0.018	39.37	37.45
1909.80	810	Right	Tilt	GSM 1900	GSM	A	Open	31.12	1:8.3	0.012	41.13	
1909.80	810	Left	Cheek	GSM 1900	GSM	A	Open	31.12	1:8.3	0.028	37.45	
1909.80	810	Left	Tilt	GSM 1900	GSM	A	Open	31.12	1:8.3	0.018	39.37	

Table A-3
DSI = 2 P_{Limit} Calculations –UMTS 850 Head SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
846.60	4233	Right	Cheek	UMTS 850	RMC	A	Open	24.45	1:1	0.172	32.09	32.09
846.60	4233	Right	Tilt	UMTS 850	RMC	A	Open	24.45	1:1	0.085	35.14	
846.60	4233	Left	Cheek	UMTS 850	RMC	A	Open	24.45	1:1	0.132	33.24	
846.60	4233	Left	Tilt	UMTS 850	RMC	A	Open	24.45	1:1	0.080	35.40	

Table A-4
DSI = 2 P_{Limit} Calculations –UMTS 1750 Head SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
1712.40	1312	Right	Cheek	UMTS 1750	RMC	A	Open	23.48	1:1	0.040	37.46	36.08
1712.40	1312	Right	Tilt	UMTS 1750	RMC	A	Open	23.48	1:1	0.020	40.47	
1712.40	1312	Left	Cheek	UMTS 1750	RMC	A	Open	23.48	1:1	0.055	36.08	
1712.40	1312	Left	Tilt	UMTS 1750	RMC	A	Open	23.48	1:1	0.017	41.18	

Table A-5
DSI = 2 P_{Limit} Calculations –UMTS 1900 Head SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
1907.60	9538	Right	Cheek	UMTS 1900	RMC	A	Open	23.56	1:1	0.039	37.65	36.75
1907.60	9538	Right	Tilt	UMTS 1900	RMC	A	Open	23.56	1:1	0.029	38.94	
1907.60	9538	Left	Cheek	UMTS 1900	RMC	A	Open	23.56	1:1	0.048	36.75	
1907.60	9538	Left	Tilt	UMTS 1900	RMC	A	Open	23.56	1:1	0.031	38.65	

Table A-6
DSI = 2 P_{Limit} Calculations – LTE Band 12 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
707.50	23095	Mid	Right	Cheek	LTE Band 12	A	Open	10	QPSK	1	25	24.91	1:1	0.199	31.92	31.92
707.50	23095	Mid	Right	Cheek	LTE Band 12	A	Open	10	QPSK	25	25	23.96	1:1	0.147	32.29	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A	Open	10	QPSK	1	25	24.91	1:1	0.105	34.70	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A	Open	10	QPSK	25	25	23.96	1:1	0.080	34.93	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A	Open	10	QPSK	1	25	24.91	1:1	0.162	32.81	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A	Open	10	QPSK	25	25	23.96	1:1	0.130	32.82	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A	Open	10	QPSK	1	25	24.91	1:1	0.086	35.56	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A	Open	10	QPSK	25	25	23.96	1:1	0.070	35.50	

Table A-7
DSI = 2 P_{Limit} Calculations – LTE Band 13 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
782.00	23230	Mid	Right	Cheek	LTE Band 13	A	Open	10	QPSK	1	0	24.74	1:1	0.229	31.14	30.97
782.00	23230	Mid	Right	Cheek	LTE Band 13	A	Open	10	QPSK	25	0	23.71	1:1	0.188	30.97	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A	Open	10	QPSK	1	0	24.74	1:1	0.116	34.10	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A	Open	10	QPSK	25	0	23.71	1:1	0.092	34.05	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A	Open	10	QPSK	1	0	24.74	1:1	0.181	32.16	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A	Open	10	QPSK	25	0	23.71	1:1	0.139	32.28	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A	Open	10	QPSK	1	0	24.74	1:1	0.108	34.41	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A	Open	10	QPSK	25	0	23.71	1:1	0.082	34.59	

Table A-8
DSI = 2 P_{Limit} Calculations – LTE Band 26 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
831.50	26865	Mid	Right	Cheek	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.255	30.71	30.66
831.50	26865	Mid	Right	Cheek	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.78	1:1	0.205	30.66	
831.50	26865	Mid	Right	Tilt	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.121	33.95	
831.50	26865	Mid	Right	Tilt	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.78	1:1	0.091	34.19	
831.50	26865	Mid	Left	Cheek	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.176	32.32	
831.50	26865	Mid	Left	Cheek	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.78	1:1	0.154	31.90	
831.50	26865	Mid	Left	Tilt	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.105	34.57	
831.50	26865	Mid	Left	Tilt	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.78	1:1	0.089	34.29	

Table A-9
DSI = 2 P_{Limit} Calculations – LTE Band 66 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1770.00	132572	High	Right	Cheek	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	24.85	1:1	0.047	38.13	38.13
1770.00	132572	High	Right	Cheek	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	23.83	1:1	0.035	38.39	
1770.00	132572	High	Right	Tilt	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	24.85	1:1	0.032	39.80	
1770.00	132572	High	Right	Tilt	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	23.83	1:1	0.025	39.85	
1770.00	132572	High	Left	Cheek	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	24.85	1:1	0.040	38.83	
1770.00	132572	High	Left	Cheek	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	23.83	1:1	0.033	38.64	
1770.00	132572	High	Left	Tilt	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	24.85	1:1	0.023	41.23	
1770.00	132572	High	Left	Tilt	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	23.83	1:1	0.018	41.28	

Table A-10
DSI = 2 P_{Limit} Calculations – LTE Band 4 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Form Factor	Device Serial Number	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1732.50	20175	Mid	Right	Cheek	LTE Band 4 (AWS)	I	Open	0317M	20	QPSK	1	0	16.92	1:1	0.075	28.17	18.29
1732.50	20175	Mid	Right	Cheek	LTE Band 4 (AWS)	I	Open	0317M	20	QPSK	50	0	16.85	1:1	0.054	29.53	
1732.50	20175	Mid	Right	Tilt	LTE Band 4 (AWS)	I	Open	0317M	20	QPSK	1	0	16.92	1:1	0.019	34.13	
1732.50	20175	Mid	Right	Tilt	LTE Band 4 (AWS)	I	Open	0317M	20	QPSK	50	0	16.85	1:1	0.016	34.81	
1732.50	20175	Mid	Left	Cheek	LTE Band 4 (AWS)	I	Open	1375M	20	QPSK	1	0	16.92	1:1	0.665	18.69	
1732.50	20175	Mid	Left	Cheek	LTE Band 4 (AWS)	I	Open	1375M	20	QPSK	50	0	16.85	1:1	0.706	18.36	
1732.50	20175	Mid	Left	Cheek	LTE Band 4 (AWS)	I	Open	1375M	20	QPSK	100	0	16.84	1:1	0.716	18.29	
1732.50	20175	Mid	Left	Tilt	LTE Band 4 (AWS)	I	Open	0317M	20	QPSK	1	0	16.92	1:1	0.191	24.11	
1732.50	20175	Mid	Left	Tilt	LTE Band 4 (AWS)	I	Open	0317M	20	QPSK	50	0	16.85	1:1	0.164	24.70	

Table A-11
DSI = 2 P_{Limit} Calculations – LTE Band 25 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1905.00	26590	High	Right	Cheek	LTE Band 25 (PCS)	A	Open	20	QPSK	1	50	24.92	1:1	0.043	38.59	
1905.00	26590	High	Right	Cheek	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	24.02	1:1	0.034	38.71	
1905.00	26590	High	Right	Tilt	LTE Band 25 (PCS)	A	Open	20	QPSK	1	50	24.92	1:1	0.013	43.78	
1905.00	26590	High	Right	Tilt	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	24.02	1:1	0.016	41.98	37.49
1905.00	26590	High	Left	Cheek	LTE Band 25 (PCS)	A	Open	20	QPSK	1	50	24.92	1:1	0.055	37.52	
1905.00	26590	High	Left	Cheek	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	24.02	1:1	0.045	37.49	
1905.00	26590	High	Left	Tilt	LTE Band 25 (PCS)	A	Open	20	QPSK	1	50	24.92	1:1	0.030	40.15	
1905.00	26590	High	Left	Tilt	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	24.02	1:1	0.027	39.71	

Table A-12
DSI = 2 P_{Limit} Calculations – LTE Band 2 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Form Factor	Device Serial Number	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1900.00	19100	High	Right	Cheek	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	1	99	14.10	1:1	0.231	20.46	
1900.00	19100	High	Right	Cheek	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	50	50	14.15	1:1	0.268	19.87	
1900.00	19100	High	Right	Tilt	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	1	99	14.10	1:1	0.073	25.47	
1900.00	19100	High	Right	Tilt	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	50	50	14.15	1:1	0.071	25.64	
1900.00	19100	High	Left	Cheek	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	1	99	14.10	1:1	0.548	16.71	
1860.00	18700	Low	Left	Cheek	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	50	25	13.72	1:1	0.536	16.43	16.27
1880.00	18900	Mid	Left	Cheek	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	50	50	13.73	1:1	0.557	16.27	
1900.00	19100	High	Left	Cheek	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	50	50	14.15	1:1	0.562	16.65	
1900.00	19100	High	Left	Cheek	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	100	0	13.95	1:1	0.560	16.47	
1900.00	19100	High	Left	Tilt	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	1	99	14.10	1:1	0.141	22.61	
1900.00	19100	High	Left	Tilt	LTE Band 2 (PCS)	I	Open	1319M	20	QPSK	50	50	14.15	1:1	0.139	22.72	

Table A-13
DSI = 2 P_{Limit} Calculations – LTE Band 41 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2593.00	40620	Mid	Right	Cheek	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	0.029	37.90	36.40
2593.00	40620	Mid	Right	Cheek	LTE Band 41	B	Open	20	QPSK	50	25	23.59	1:1.58	0.024	37.80	
2593.00	40620	Mid	Right	Tilt	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	0.025	38.55	
2593.00	40620	Mid	Right	Tilt	LTE Band 41	B	Open	20	QPSK	50	25	23.59	1:1.58	0.017	39.30	
2593.00	40620	Mid	Left	Cheek	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	0.041	36.40	
2593.00	40620	Mid	Left	Cheek	LTE Band 41	B	Open	20	QPSK	50	25	23.59	1:1.58	0.032	36.55	
2593.00	40620	Mid	Left	Tilt	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	0.020	39.52	
2593.00	40620	Mid	Left	Tilt	LTE Band 41	B	Open	20	QPSK	50	25	23.59	1:1.58	0.014	40.14	

Table A-14
DSI = 2 P_{Limit} Calculations – NR Band n5 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
836.50	167300	Mid	Right	Cheek	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	24.59	1:1	0.109	34.22	33.68
836.50	167300	Mid	Right	Cheek	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.112	34.32	
836.50	167300	Mid	Right	Cheek	NR Band n5	A	Open	20	CP-OFDM	QPSK	1	1	23.32	1:1	0.092	33.68	
836.50	167300	Mid	Right	Tilt	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	24.59	1:1	0.090	35.05	
836.50	167300	Mid	Right	Tilt	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.089	35.32	
836.50	167300	Mid	Left	Cheek	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	24.59	1:1	0.104	34.42	
836.50	167300	Mid	Left	Cheek	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.108	34.48	
836.50	167300	Mid	Left	Tilt	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	24.59	1:1	0.101	34.55	
836.50	167300	Mid	Left	Tilt	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.096	34.99	

Table A-15
DSI = 2 P_{Limit} Calculations – NR Band n66 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1745.00	349000	Mid	Right	Cheek	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	24.77	1:1	0.047	38.05	36.87
1745.00	349000	Mid	Right	Cheek	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	54	24.79	1:1	0.039	38.88	
1745.00	349000	Mid	Right	Tilt	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	24.77	1:1	0.036	39.21	
1745.00	349000	Mid	Right	Tilt	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	54	24.79	1:1	0.033	39.61	
1745.00	349000	Mid	Left	Cheek	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	24.77	1:1	0.056	37.29	
1745.00	349000	Mid	Left	Cheek	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	54	24.79	1:1	0.061	36.94	
1745.00	349000	Mid	Left	Cheek	NR Band n66	A	Open	40	CP-OFDM	QPSK	1	1	23.40	1:1	0.045	36.87	
1745.00	349000	Mid	Left	Tilt	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	24.77	1:1	0.035	39.33	
1745.00	349000	Mid	Left	Tilt	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	54	24.79	1:1	0.042	38.56	

Table A-16
DSI = 2 P_{Limit} Calculations – NR Band n66 Head SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1745.00	349000	Mid	Right	Cheek	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.329	22.34	
1745.00	349000	Mid	Right	Cheek	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.341	22.06	
1745.00	349000	Mid	Right	Tilt	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.059	29.80	
1745.00	349000	Mid	Right	Tilt	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.059	29.68	
1745.00	349000	Mid	Left	Cheek	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.536	20.22	19.97
1745.00	349000	Mid	Left	Cheek	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.552	19.97	
1745.00	349000	Mid	Left	Cheek	NR Band n66	I	Open	40	CP-OFDM	QPSK	1	1	17.55	1:1	0.553	20.12	
1745.00	349000	Mid	Left	Tilt	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.148	25.81	
1745.00	349000	Mid	Left	Tilt	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.149	25.66	

Table A-17
DSI = 2 P_{Limit} Calculations – NR Band n25 Head SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1882.50	376500	Mid	Right	Cheek	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	25.08	1:1	0.039	39.17	
1882.50	376500	Mid	Right	Cheek	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	54	24.84	1:1	0.041	38.71	
1882.50	376500	Mid	Right	Tilt	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	25.08	1:1	0.019	42.29	
1882.50	376500	Mid	Right	Tilt	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	54	24.84	1:1	0.017	42.54	
1882.50	376500	Mid	Left	Cheek	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	25.08	1:1	0.045	38.55	38.55
1882.50	376500	Mid	Left	Cheek	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	54	24.84	1:1	0.038	39.04	
1882.50	376500	Mid	Left	Cheek	NR Band n25	A	Open	40	CP-OFDM	QPSK	1	1	23.33	1:1	0.022	39.91	
1882.50	376500	Mid	Left	Tilt	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	25.08	1:1	0.011	44.67	
1882.50	376500	Mid	Left	Tilt	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	54	24.84	1:1	0.011	44.43	

Table A-18
DSI = 2 P_{Limit} Calculations – NR Band n25 Head SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1882.50	376500	Mid	Right	Cheek	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	14.53	1:1	0.441	18.09	
1882.50	376500	Mid	Right	Cheek	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	14.36	1:1	0.432	18.01	
1882.50	376500	Mid	Right	Tilt	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	14.53	1:1	0.082	25.39	
1882.50	376500	Mid	Right	Tilt	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	14.36	1:1	0.079	25.38	
1882.50	376500	Mid	Left	Cheek	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	14.53	1:1	0.602	16.73	16.66
1882.50	376500	Mid	Left	Cheek	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	14.36	1:1	0.589	16.66	
1882.50	376500	Mid	Left	Cheek	NR Band n25	I	Open	40	CP-OFDM	QPSK	1	1	14.31	1:1	0.493	17.38	
1882.50	376500	Mid	Left	Tilt	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	14.53	1:1	0.152	22.71	
1882.50	376500	Mid	Left	Tilt	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	14.36	1:1	0.147	22.69	

Table A-19
DSI = 2 P_{Limit} Calculations – NR Band n41 Head SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
2592.99	518598	Mid	Right	Cheek	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	13.51	1:1	0.156	21.58	
2592.99	518598	Mid	Right	Cheek	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	13.48	1:1	0.155	21.58	
2592.99	518598	Mid	Right	Tilt	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	13.51	1:1	0.039	27.60	
2592.99	518598	Mid	Right	Tilt	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	13.48	1:1	0.036	27.92	
2592.99	518598	Mid	Left	Cheek	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	13.51	1:1	0.681	15.18	
2592.99	518598	Mid	Left	Cheek	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	13.48	1:1	0.697	15.05	15.05
2592.99	518598	Mid	Left	Cheek	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	270	0	13.43	1:1	0.677	15.12	
2592.99	518598	Mid	Left	Cheek	NR Band n41	I	Open	100	CP-OFDM	QPSK	1	1	13.38	1:1	0.611	15.52	
2592.99	518598	Mid	Left	Tilt	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	13.51	1:1	0.133	22.27	
2592.99	518598	Mid	Left	Tilt	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	13.48	1:1	0.079	24.50	
2592.99	518598	Mid	Right	Cheek	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	13.36	1:1	0.000	53.36	
2592.99	518598	Mid	Right	Tilt	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	13.36	1:1	0.000	53.36	
2592.99	518598	Mid	Left	Cheek	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	13.36	1:1	0.000	53.36	53.36
2592.99	518598	Mid	Left	Tilt	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	13.36	1:1	0.000	53.36	

Table A-20
DSI = 2 P_{Limit} Calculations – NR Band n41 Head SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
2592.99	518598	Mid	Right	Cheek	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.150	13.46	
2592.99	518598	Mid	Right	Tilt	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.112	14.73	
2592.99	518598	Mid	Left	Cheek	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.039	19.31	13.46
2592.99	518598	Mid	Left	Tilt	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.046	18.59	
2592.99	518598	Mid	Right	Cheek	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.000	51.01	
2592.99	518598	Mid	Right	Tilt	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.000	51.01	
2592.99	518598	Mid	Left	Cheek	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.008	31.98	31.98
2592.99	518598	Mid	Left	Tilt	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.000	51.01	

Table A-21
DSI = 2 P_{Limit} Calculations – NR Band n77 Head SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
3750.00	650000	Low	Right	Cheek	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	13.39	1:1	0.375	17.65	
3750.00	650000	Low	Right	Cheek	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	13.25	1:1	0.373	17.53	
3750.00	650000	Low	Right	Cheek	NR Band n77	F	Open	100	CP-OFDM	QPSK	1	1	12.62	1:1	0.508	15.56	
3500.01	633334	Mid	Right	Cheek	NR Band n77 DoD	F	Open	100	DFT-S-OFDM	QPSK	1	271	12.45	1:1	0.451	15.91	
3750.00	650000	Low	Right	Tilt	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	13.39	1:1	0.258	19.27	
3750.00	650000	Low	Right	Tilt	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	13.25	1:1	0.268	18.97	15.56
3750.00	650000	Low	Left	Cheek	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	13.39	1:1	0.076	24.58	
3750.00	650000	Low	Left	Cheek	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	13.25	1:1	0.073	24.62	
3750.00	650000	Low	Left	Tilt	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	13.39	1:1	0.067	25.13	
3750.00	650000	Low	Left	Tilt	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	13.25	1:1	0.069	24.86	
3750.00	650000	Low	Right	Cheek	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	10.20	1:1	0.246	16.29	
3500.01	633334	Mid	Right	Cheek	NR Band n77 DoD	I	Open	100	CW/SRS	N/A	N/A	N/A	9.51	1:1	0.510	12.43	
3750.00	650000	Low	Right	Tilt	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	10.20	1:1	0.013	29.06	12.43
3750.00	650000	Low	Left	Cheek	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	10.20	1:1	0.202	17.15	
3750.00	650000	Low	Left	Tilt	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	10.20	1:1	0.017	27.90	

Table A-22
DSI = 2 P_{Limit} Calculations – NR Band n77 Head SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Test Position	Mode	Antenna Config	Form Factor	Serial Number	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.															(W/kg)		
3750.00	650000	Low	Right	Cheek	NR Band n77	E	Open	0433M	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.144	19.43	
3750.00	650000	Low	Right	Tilt	NR Band n77	E	Open	0433M	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.030	26.24	
3750.00	650000	Low	Left	Cheek	NR Band n77	E	Open	0433M	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.201	17.98	17.05
3500.01	633334	Mid	Left	Cheek	NR Band n77 DoD	E	Open	0433M	100	CW/SRS	N/A	N/A	N/A	11.05	1:1	0.251	17.05	
3750.00	650000	Low	Left	Tilt	NR Band n77	E	Open	0433M	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.019	28.22	
3750.00	650000	Low	Right	Cheek	NR Band n77	C	Open	0433M	100	CW/SRS	N/A	N/A	N/A	9.41	1:1	0.000	49.41	
3750.00	650000	Low	Right	Tilt	NR Band n77	C	Open	0433M	100	CW/SRS	N/A	N/A	N/A	9.41	1:1	0.000	49.41	
3750.00	650000	Low	Left	Cheek	NR Band n77	C	Open	0433M	100	CW/SRS	N/A	N/A	N/A	9.41	1:1	0.027	25.10	25.10
3500.01	633334	Mid	Left	Cheek	NR Band n77 DoD	C	Open	0433M	100	CW/SRS	N/A	N/A	N/A	8.31	1:1	0.009	28.77	
3750.00	650000	Low	Left	Tilt	NR Band n77	C	Open	0433M	100	CW/SRS	N/A	N/A	N/A	9.41	1:1	0.004	33.39	

Table A-23
DSI = 2 P_{Limit} Calculations – DTS SISO Head SAR

MEASUREMENT RESULTS														
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
2412	1	Right	Cheek	802.11b	DSSS	2	Open	22	1	12.00	98.74	0.111	21.49	
2412	1	Right	Tilt	802.11b	DSSS	2	Open	22	1	12.00	98.74	0.102	21.86	17.65
2412	1	Left	Cheek	802.11b	DSSS	2	Open	22	1	12.00	98.74	0.269	17.65	
2412	1	Left	Tilt	802.11b	DSSS	2	Open	22	1	12.00	98.74	0.176	19.49	

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

Table A-24
DSI = 2 P_{Limit} Calculations – DTS MIMO Head SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2412	1	Right	Cheek	802.11n	OFDM	MIMO	Open	20	13	8.86	8.66	98.00	0.055	21.17	
2412	1	Right	Tilt	802.11n	OFDM	MIMO	Open	20	13	8.86	8.66	98.00	0.033	23.39	
2412	1	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	8.86	8.66	98.00	0.075	19.82	19.82
2412	1	Left	Tilt	802.11n	OFDM	MIMO	Open	20	13	8.86	8.66	98.00	0.039	22.66	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Head 1.6 W/kg (mW/g) averaged over 1 gram					

Table A-25
DSI = 2 P_{Limit} Calculations – NII MIMO Head SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
5260	52	Right	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.685	17.24	
5260	52	Right	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.556	18.15	
5260	52	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.555	18.16	
5260	52	Left	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.392	19.67	
5720	144	Right	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.358	20.07	
5720	144	Right	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.446	19.12	
5720	144	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.654	17.46	
5720	144	Left	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.524	18.42	
5825	165	Right	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.485	18.88	
5825	165	Right	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.305	20.90	
5745	149	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.67	15.49	98.20	0.644	17.32	16.28
5785	157	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.61	15.54	98.20	0.628	17.48	
5825	165	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.806	16.68	
5785	157	Left	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.61	15.54	98.20	0.543	18.11	
5825	165	Left	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.780	16.82	
5845	169	Right	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.449	19.18	
5845	169	Right	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.345	20.32	
5845	169	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.807	16.63	
5865	173	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.71	15.69	98.20	0.857	16.28	
5885	177	Left	Cheek	802.11n	OFDM	MIMO	Open	20	13	15.99	15.40	98.20	0.777	16.42	
5845	169	Left	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.776	16.80	
5885	177	Left	Tilt	802.11n	OFDM	MIMO	Open	20	13	15.99	15.40	98.20	0.768	16.47	

Table A-26
DSI = 2 P_{Limit} Calculations – WLAN 6E MIMO Head SAR

MEASUREMENT RESULTS														
FREQUENCY		Mode	Service	Bandwidth [MHz]	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Side	Test Position	Antenna Config.	Data Rate (Mbps)	Duty Cycle (%)	SAR (1g)	Plimit (dBm)	Overall Plimit (dBm)
MHz	Ch.											(W/kg)		
6545.00	119	802.11ax	OFDM	80	11.80	11.25	Right	Cheek	MIMO	68.1	99.70	0.041	25.11	25.11
6545.00	119	802.11ax	OFDM	80	11.80	11.25	Right	Tilt	MIMO	68.1	99.70	0.036	25.67	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	Left	Cheek	MIMO	68.1	99.70	0.028	26.77	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	Left	Tilt	MIMO	68.1	99.70	0.014	29.78	

Table A-27
DSI = 2 P_{Limit} Calculations – DSS Head SAR

MEASUREMENT RESULTS													
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Data Rate (Mbps)	Conducted Power [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.										(W/kg)		
2441	39	Right	Cheek	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.456	18.67	18.67
2440	19	Right	Cheek	Bluetooth LE	DSSS	1	Open	1	16.42	51.33	0.029	28.90	
2441	39	Right	Tilt	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.292	20.60	
2441	39	Left	Cheek	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.063	27.26	
2441	39	Left	Tilt	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.061	27.40	
2441	39	Right	Cheek	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.215	22.28	17.21
2441	39	Right	Tilt	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.188	22.86	
2402	0	Left	Cheek	Bluetooth	FHSS	2	Open	1	16.59	76.90	0.511	18.37	
2441	39	Left	Cheek	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.631	17.60	
2480	78	Left	Cheek	Bluetooth	FHSS	2	Open	1	15.49	76.90	0.518	17.21	
2402	0	Left	Cheek	Bluetooth LE	DSSS	2	Open	1	18.29	51.32	0.045	28.86	
2441	39	Left	Tilt	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.310	20.69	

Table A-28
DSI = 0 P_{Limit} Calculations – GSM Body-Worn SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
848.80	251	back	15 mm	GSM 850	GSM	A	Open	33.10	1:8.3	0.110	33.48	28.96
848.80	251	back	15 mm	GSM 850	GSM	A	Closed	33.10	1:8.3	0.312	28.96	
1909.80	810	back	15 mm	GSM 1900	GSM	A	Open	28.76	1:8.3	0.141	28.07	28.07
1909.80	810	back	15 mm	GSM 1900	GSM	A	Closed	28.76	1:8.3	0.073	30.93	

Table A-29
DSI = 0 P_{Limit} Calculations – UMTS Body-Worn SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
846.60	4233	back	15 mm	UMTS 850	RMC	A	Open	25.21	1:1	0.152	33.39	29.36
846.60	4233	back	15 mm	UMTS 850	RMC	A	Closed	25.21	1:1	0.385	29.36	
1712.40	1312	back	15 mm	UMTS 1750	RMC	A	Open	21.01	1:1	0.199	28.02	28.02
1712.40	1312	back	15 mm	UMTS 1750	RMC	A	Closed	21.01	1:1	0.038	35.21	
1907.60	9538	back	15 mm	UMTS 1900	RMC	A	Open	23.30	1:1	0.335	28.05	28.05
1907.60	9538	back	15 mm	UMTS 1900	RMC	A	Closed	23.30	1:1	0.193	30.44	

Table A-30
DSI = 0 P_{Limit} Calculations – LTE Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
707.50	23095	Mid	back	15 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.304	27.73	
707.50	23095	Mid	back	15 mm	LTE Band 12	A	Open	10	QPSK	25	25	22.59	1:1	0.237	28.84	27.73
707.50	23095	Mid	back	15 mm	LTE Band 12	A	Closed	10	QPSK	1	25	22.56	1:1	0.166	30.36	
707.50	23095	Mid	back	15 mm	LTE Band 12	A	Closed	10	QPSK	25	25	22.59	1:1	0.131	31.42	
782.00	23230	Mid	back	15 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.228	29.06	
782.00	23230	Mid	back	15 mm	LTE Band 13	A	Open	10	QPSK	25	0	22.62	1:1	0.176	30.16	27.48
782.00	23230	Mid	back	15 mm	LTE Band 13	A	Closed	10	QPSK	1	0	22.64	1:1	0.328	27.48	
782.00	23230	Mid	back	15 mm	LTE Band 13	A	Closed	10	QPSK	25	0	22.62	1:1	0.253	28.59	
831.50	26865	Mid	back	15 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.163	32.66	
831.50	26865	Mid	back	15 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.78	1:1	0.134	32.51	30.32
831.50	26865	Mid	back	15 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	1	74	24.78	1:1	0.275	30.39	
831.50	26865	Mid	back	15 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	36	37	23.78	1:1	0.222	30.32	
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	21.20	1:1	0.259	27.07	
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	21.27	1:1	0.266	27.02	27.02
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	99	21.20	1:1	0.099	31.24	
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	50	21.27	1:1	0.099	31.31	
1905.00	26590	High	back	15 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	21.98	1:1	0.303	27.17	
1905.00	26590	High	back	15 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	22.04	1:1	0.300	27.27	27.17
1905.00	26590	High	back	15 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	1	99	21.98	1:1	0.222	28.52	
1905.00	26590	High	back	15 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	50	50	22.04	1:1	0.214	28.74	
2593.00	40620	Mid	back	15 mm	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	0.112	32.03	
2593.00	40620	Mid	back	15 mm	LTE Band 41	B	Open	20	QPSK	50	25	23.59	1:1.58	0.088	32.16	32.03
2593.00	40620	Mid	back	15 mm	LTE Band 41	B	Closed	20	QPSK	1	0	24.51	1:1.58	0.067	34.27	
2593.00	40620	Mid	back	15 mm	LTE Band 41	B	Closed	20	QPSK	50	25	23.59	1:1.58	0.054	34.28	

Table A-31
DSI = 0 P_{Limit} Calculations – LTE Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1720.00	132072	Low	back	15 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	21.11	1:1	0.168	28.86	
1720.00	132072	Low	back	15 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	50	0	21.10	1:1	0.167	28.87	28.86
1720.00	132072	Low	back	15 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	1	0	21.11	1:1	0.018	38.56	
1720.00	132072	Low	back	15 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	50	0	21.10	1:1	0.016	39.06	
1905.00	26590	High	back	15 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	21.02	1:1	0.221	27.58	
1905.00	26590	High	back	15 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	20.73	1:1	0.220	27.31	27.31
1905.00	26590	High	back	15 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	1	99	21.02	1:1	0.030	36.25	
1905.00	26590	High	back	15 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	50	50	20.73	1:1	0.030	35.96	
2593.00	40620	Mid	back	15 mm	LTE Band 41	I	Open	20	QPSK	1	0	22.59	1:1.58	0.195	27.71	
2593.00	40620	Mid	back	15 mm	LTE Band 41	I	Open	20	QPSK	50	25	22.73	1:1.58	0.188	28.00	27.71
2593.00	40620	Mid	back	15 mm	LTE Band 41	I	Closed	20	QPSK	1	0	22.59	1:1.58	0.058	32.97	
2593.00	40620	Mid	back	15 mm	LTE Band 41	I	Closed	20	QPSK	50	25	22.73	1:1.58	0.058	33.11	

Table A-32
DSI = 0 P_{Limit} Calculations – 5G NR Body-Worn SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
836.50	167300	Mid	back	15 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	24.59	1:1	0.148	32.89	
836.50	167300	Mid	back	15 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.198	31.84	
836.50	167300	Mid	back	15 mm	NR Band n5	A	Open	20	CP-OFDM	QPSK	1	1	23.32	1:1	0.124	32.39	
836.50	167300	Mid	back	15 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	1	53	24.59	1:1	0.307	29.72	29.72
836.50	167300	Mid	back	15 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.313	29.86	
836.50	167300	Mid	back	15 mm	NR Band n5	A	Closed	20	CP-OFDM	QPSK	1	1	23.32	1:1	0.207	30.16	
745.00	349000	Mid	back	15 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	20.08	1:1	0.199	27.09	
745.00	349000	Mid	back	15 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	20.10	1:1	0.216	26.76	
745.00	349000	Mid	back	15 mm	NR Band n66	A	Open	40	CP-OFDM	QPSK	1	1	20.15	1:1	0.203	27.08	
745.00	349000	Mid	back	15 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	1	1	20.08	1:1	0.057	32.52	26.76
745.00	349000	Mid	back	15 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	108	0	20.10	1:1	0.054	32.78	
745.00	349000	Mid	back	15 mm	NR Band n66	A	Closed	40	CP-OFDM	QPSK	1	1	20.15	1:1	0.058	32.52	
882.50	376500	Mid	back	15 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	22.13	1:1	0.289	27.52	
882.50	376500	Mid	back	15 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	108	22.06	1:1	0.291	27.42	
882.50	376500	Mid	back	15 mm	NR Band n25	A	Open	40	CP-OFDM	QPSK	1	1	21.92	1:1	0.265	27.69	
882.50	376500	Mid	back	15 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	1	214	22.13	1:1	0.086	32.79	27.42
882.50	376500	Mid	back	15 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	108	108	22.06	1:1	0.087	32.67	
882.50	376500	Mid	back	15 mm	NR Band n25	A	Closed	40	CP-OFDM	QPSK	1	1	21.92	1:1	0.124	30.99	

Table A-33
DSI = 0 P_{Limit} Calculations – 5G NR Body-Worn SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1745.00	349000	Mid	back	15 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	21.46	1:1	0.156	29.53	
1745.00	349000	Mid	back	15 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	21.35	1:1	0.167	29.12	
1745.00	349000	Mid	back	15 mm	NR Band n66	I	Open	40	CP-OFDM	QPSK	1	1	21.60	1:1	0.172	29.25	
1745.00	349000	Mid	back	15 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	1	1	21.46	1:1	0.015	39.70	29.12
1745.00	349000	Mid	back	15 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	108	0	21.35	1:1	0.014	39.89	
1745.00	349000	Mid	back	15 mm	NR Band n66	I	Closed	40	CP-OFDM	QPSK	1	1	21.60	1:1	0.004	45.58	
1882.50	376500	Mid	back	15 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	21.58	1:1	0.334	26.34	
1882.50	376500	Mid	back	15 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	21.38	1:1	0.335	26.13	
1882.50	376500	Mid	back	15 mm	NR Band n25	I	Open	40	CP-OFDM	QPSK	1	1	21.54	1:1	0.362	25.95	
1882.50	376500	Mid	back	15 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	1	214	21.58	1:1	0.054	34.26	25.95
1882.50	376500	Mid	back	15 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	108	108	21.38	1:1	0.053	34.14	
1882.50	376500	Mid	back	15 mm	NR Band n25	I	Closed	40	CP-OFDM	QPSK	1	1	21.54	1:1	0.048	34.73	

Table A-34
DSI = 0 P_{Limit} Calculations – 5G NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
2592.99	518598	Mid	back	15 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	20.57	1:1	0.174	28.17	
2592.99	518598	Mid	back	15 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	20.50	1:1	0.171	28.17	
2592.99	518598	Mid	back	15 mm	NR Band n41	I	Open	100	CP-OFDM	QPSK	1	1	20.39	1:1	0.167	28.16	
2592.99	518598	Mid	back	15 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	1	137	20.57	1:1	0.049	33.67	28.16
2592.99	518598	Mid	back	15 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	135	69	20.50	1:1	0.048	33.69	
2592.99	518598	Mid	back	15 mm	NR Band n41	I	Closed	100	CP-OFDM	QPSK	1	1	20.39	1:1	0.051	33.31	
2592.99	518598	Mid	back	15 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	20.27	1:1	0.065	32.14	
2592.99	518598	Mid	back	15 mm	NR Band n41	B	Closed	100	CW/SRS	N/A	N/A	N/A	20.27	1:1	0.059	32.56	32.14

Table A-35
DSI = 0 P_{Limit} Calculations – 5G NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2592.99	518598	Mid	back	15 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	0.042	18.99	
2592.99	518598	Mid	back	15 mm	NR Band n41	F	Closed	100	CW/SRS	N/A	N/A	N/A	5.22	0.012	24.43	18.99
2592.99	518598	Mid	back	15 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	0.019	28.22	
2592.99	518598	Mid	back	15 mm	NR Band n41	C	Closed	100	CW/SRS	N/A	N/A	N/A	11.01	0.017	28.71	28.22

Table A-36
DSI = 0 P_{Limit} Calculations – 5G NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
3750.00	650000	Low	back	15 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	17.49	1:1	0.107	27.20	
3750.00	650000	Low	back	15 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	17.33	1:1	0.119	26.57	
3750.00	650000	Low	back	15 mm	NR Band n77	F	Open	100	CP-OFDM	QPSK	1	1	16.77	1:1	0.162	24.68	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	F	Open	100	DFT-S-OFDM	QPSK	1	271	16.51	1:1	0.207	23.35	
3750.00	650000	Low	back	15 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	1	271	17.49	1:1	0.016	35.45	23.35
3750.00	650000	Low	back	15 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	135	138	17.33	1:1	0.021	34.11	
3750.00	650000	Low	back	15 mm	NR Band n77	F	Closed	100	CP-OFDM	QPSK	1	1	16.77	1:1	0.028	32.30	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	F	Closed	100	DFT-S-OFDM	QPSK	1	271	16.51	1:1	0.022	33.09	
3750.00	650000	Low	back	15 mm	NR Band n77	I	Open	100	CW/SRS	N/A	NA	NA	14.28	1:1	0.035	28.84	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	I	Open	100	CW/SRS	N/A	NA	NA	13.51	1:1	0.056	26.03	
3750.00	650000	Low	back	15 mm	NR Band n77	I	Closed	100	CW/SRS	N/A	NA	NA	14.28	1:1	0.000	54.28	26.03
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	I	Closed	100	CW/SRS	N/A	NA	NA	13.51	1:1	0.014	32.05	

Table A-37
DSI = 0 P_{Limit} Calculations – 5G NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
3750.00	650000	Low	back	15 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	15.08	1:1	0.016	33.04	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	E	Open	100	CW/SRS	N/A	N/A	N/A	15.07	1:1	0.028	30.60	
3750.00	650000	Low	back	15 mm	NR Band n77	E	Closed	100	CW/SRS	N/A	NA	NA	15.08	1:1	0.011	34.67	30.60
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	E	Closed	100	CW/SRS	N/A	NA	NA	15.07	1:1	0.008	36.04	
3750.00	650000	Low	back	15 mm	NR Band n77	C	Open	100	CW/SRS	N/A	NA	NA	13.41	1:1	0.016	31.37	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	C	Open	100	CW/SRS	N/A	NA	NA	12.34	1:1	0.013	31.20	
3750.00	650000	Low	back	15 mm	NR Band n77	C	Closed	100	CW/SRS	N/A	NA	NA	13.41	1:1	0.010	33.41	31.20
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	C	Closed	100	CW/SRS	N/A	NA	NA	12.34	1:1	0.008	33.31	

Table A-38
DSI = 0 P_{Limit} Calculations – DTS SISO Body-Worn SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
2412	1	back	15 mm	2	Open	22	1	18.65	98.74	0.036	33.03	33.03
2412	1	back	15 mm	2	Closed	22	1	18.65	98.74	0.018	36.04	

Table A-39
DSI = 0 P_{Limit} Calculations – DTS MIMO Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Duty Cycle (%)	SAR (1g)	Reported SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)	(W/kg)		
2462	11	back	15 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	0.096	0.100	29.00	29.00
2462	11	back	15 mm	802.11b	DSSS	MIMO	Closed	22	1	18.95	18.87	98.90	0.042	0.044	32.59	

Table A-40
DSI = 0 P_{Limit} Calculations – NII MIMO Body-Worn SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
5260	52	back	15 mm	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.241	21.78	21.78
5260	52	back	15 mm	802.11n	OFDM	MIMO	Closed	20	13	15.72	15.68	98.20	0.027	31.29	
5720	144	back	15 mm	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.182	23.01	
5720	144	back	15 mm	802.11n	OFDM	MIMO	Closed	20	13	15.69	15.86	98.20	0.037	29.93	
5825	165	back	15 mm	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.125	24.77	
5825	165	back	15 mm	802.11n	OFDM	MIMO	Closed	20	13	15.93	15.82	98.20	0.043	29.41	
5845	169	back	15 mm	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.109	25.33	
5845	169	back	15 mm	802.11n	OFDM	MIMO	Closed	20	13	15.81	15.78	98.20	0.045	29.17	

Table A-41
DSI = 0 P_{Limit} Calculations – 6E WLAN MIMO Body-Worn SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Service	Bandwidth [MHz]	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Spacing (mm)	Antenna Config.	Peak Number	Data Rate (Mbps)	Form Factor	Side	Duty Cycle (%)	SAR (1g)	Plimit (dBm)	Overall Plimit (dBm)
MHz	Ch.													(W/kg)		
6545.00	119	802.11ax	OFDM	80	11.80	11.25	15	MIMO	2	68.1	Open	Back	99.70	0.053	23.99	23.99
6545.00	119	802.11ax	OFDM	80	11.80	11.25	15	MIMO	1	68.1	Open	Back	99.70	0.036	25.67	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	15	MIMO	2	68.1	Closed	Back	99.70	0.000	61.24	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	15	MIMO	1	68.1	Closed	Back	99.70	0.000	61.24	
5985.00	7	802.11ax	OFDM	80	11.60	10.70	15	MIMO	2	68.1	Open	Back	99.70	0.009	31.15	
6305.00	71	802.11ax	OFDM	80	11.74	11.17	15	MIMO	2	68.1	Open	Back	99.70	0.025	27.18	
6785.00	167	802.11ax	OFDM	80	11.65	10.98	15	MIMO	2	68.1	Open	Back	99.70	0.004	34.95	
7025.00	215	802.11ax	OFDM	80	11.80	11.22	15	MIMO	2	68.1	Open	Back	99.70	0.024	27.41	

Table A-42
DSI = 0 P_{Limit} Calculations – DSS Body-Worn SAR

MEASUREMENT RESULTS													
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Data Rate (Mbps)	Conducted Power [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.										(W/kg)		
2441	39	back	15 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.031	30.34	30.34
2441	39	back	15 mm	Bluetooth	FHSS	1	Closed	1	16.40	76.85	0.013	34.12	
2441	39	back	15 mm	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.023	31.98	31.98
2441	39	back	15 mm	Bluetooth	FHSS	2	Closed	1	16.74	76.90	0.010	35.60	

Table A-43
DSI = 3 P_{Limit} Calculations – GPRS Hotspot SAR

MEASUREMENT RESULTS													
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.										(W/kg)		
836.60	190	back	10 mm	GSM 850	GPRS	A	Open	4	25.37	1:2.076	0.215	28.86	24.89
836.60	190	front	10 mm	GSM 850	GPRS	A	Open	4	25.37	1:2.076	0.121	31.36	
836.60	190	bottom	10 mm	GSM 850	GPRS	A	Open	4	25.37	1:2.076	0.064	34.15	
836.60	190	right	10 mm	GSM 850	GPRS	A	Open	4	25.37	1:2.076	0.128	31.12	
836.60	190	left	10 mm	GSM 850	GPRS	A	Open	4	25.37	1:2.076	0.058	34.59	
824.20	128	back	5 mm	GSM 850	GPRS	A	Closed	4	25.16	1:2.076	0.494	25.04	
836.60	190	back	5 mm	GSM 850	GPRS	A	Closed	4	25.37	1:2.076	0.537	24.89	
848.80	251	back	5 mm	GSM 850	GPRS	A	Closed	4	25.33	1:2.076	0.521	24.98	
836.60	190	front	5 mm	GSM 850	GPRS	A	Closed	4	25.37	1:2.076	0.086	32.85	
836.60	190	bottom	5 mm	GSM 850	GPRS	A	Closed	4	25.37	1:2.076	0.101	32.15	
836.60	190	right	5 mm	GSM 850	GPRS	A	Closed	4	25.37	1:2.076	0.043	35.82	
836.60	190	left	5 mm	GSM 850	GPRS	A	Closed	4	25.37	1:2.076	0.071	33.70	
1909.80	810	back	10 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.298	24.86	21.97
1909.80	810	front	10 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.209	26.40	
1909.80	810	bottom	10 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.429	23.27	
1909.80	810	right	10 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.017	37.29	
1909.80	810	left	10 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.077	30.73	
1909.80	810	back	5 mm	GSM 1900	GPRS	A	Closed	4	22.78	1:2.076	0.364	23.99	
1909.80	810	front	5 mm	GSM 1900	GPRS	A	Closed	4	22.78	1:2.076	0.045	33.07	
1850.20	512	bottom	5 mm	GSM 1900	GPRS	A	Closed	4	22.09	1:2.076	0.373	23.19	
1880.00	661	bottom	5 mm	GSM 1900	GPRS	A	Closed	4	22.22	1:2.076	0.460	22.41	
1909.80	810	bottom	5 mm	GSM 1900	GPRS	A	Closed	4	22.78	1:2.076	0.579	21.97	
1909.80	810	right	5 mm	GSM 1900	GPRS	A	Closed	4	22.78	1:2.076	0.016	37.56	
1909.80	810	left	5 mm	GSM 1900	GPRS	A	Closed	4	22.78	1:2.076	0.090	30.06	

Table A-44
DSI = 3 P_{Limit} Calculations –UMTS Hotspot SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
836.60	4183	back	10 mm	UMTS 850	RMC	A	Open	23.46	1:1	0.280	28.99	
836.60	4183	front	10 mm	UMTS 850	RMC	A	Open	23.46	1:1	0.155	31.56	
836.60	4183	bottom	10 mm	UMTS 850	RMC	A	Open	23.46	1:1	0.071	34.97	
836.60	4183	right	10 mm	UMTS 850	RMC	A	Open	23.46	1:1	0.147	31.79	
836.60	4183	left	10 mm	UMTS 850	RMC	A	Open	23.46	1:1	0.065	35.36	
826.40	4132	back	5 mm	UMTS 850	RMC	A	Closed	23.17	1:1	0.663	24.95	24.91
836.60	4183	back	5 mm	UMTS 850	RMC	A	Closed	23.46	1:1	0.716	24.91	
846.60	4233	back	5 mm	UMTS 850	RMC	A	Closed	23.43	1:1	0.647	25.32	
836.60	4183	front	5 mm	UMTS 850	RMC	A	Closed	23.46	1:1	0.165	31.29	
836.60	4183	bottom	5 mm	UMTS 850	RMC	A	Closed	23.46	1:1	0.156	31.53	
836.60	4183	right	5 mm	UMTS 850	RMC	A	Closed	23.46	1:1	0.079	34.46	
836.60	4183	left	5 mm	UMTS 850	RMC	A	Closed	23.46	1:1	0.112	32.97	
1712.40	1312	back	10 mm	UMTS 1750	RMC	A	Open	19.11	1:1	0.306	24.25	
1712.40	1312	front	10 mm	UMTS 1750	RMC	A	Open	19.11	1:1	0.219	25.71	
1712.40	1312	bottom	10 mm	UMTS 1750	RMC	A	Open	19.11	1:1	0.404	23.05	
1712.40	1312	right	10 mm	UMTS 1750	RMC	A	Open	19.11	1:1	0.027	34.80	
1712.40	1312	left	10 mm	UMTS 1750	RMC	A	Open	19.11	1:1	0.059	31.40	23.05
1712.40	1312	back	5 mm	UMTS 1750	RMC	A	Closed	19.11	1:1	0.263	24.91	
1712.40	1312	front	5 mm	UMTS 1750	RMC	A	Closed	19.11	1:1	0.102	29.02	
1712.40	1312	bottom	5 mm	UMTS 1750	RMC	A	Closed	19.11	1:1	0.333	23.89	
1712.40	1312	right	5 mm	UMTS 1750	RMC	A	Closed	19.11	1:1	0.012	38.32	
1712.40	1312	left	5 mm	UMTS 1750	RMC	A	Closed	19.11	1:1	0.055	31.71	
1880.00	9400	back	10 mm	UMTS 1900	RMC	A	Open	17.82	1:1	0.192	24.99	
1880.00	9400	front	10 mm	UMTS 1900	RMC	A	Open	17.82	1:1	0.149	26.09	
1880.00	9400	bottom	10 mm	UMTS 1900	RMC	A	Open	17.82	1:1	0.265	23.59	
1880.00	9400	right	10 mm	UMTS 1900	RMC	A	Open	17.82	1:1	0.012	37.03	
1880.00	9400	left	10 mm	UMTS 1900	RMC	A	Open	17.82	1:1	0.030	33.05	23.15
1880.00	9400	back	5 mm	UMTS 1900	RMC	A	Closed	17.82	1:1	0.181	25.24	
1880.00	9400	front	5 mm	UMTS 1900	RMC	A	Closed	17.82	1:1	0.086	28.48	
1880.00	9400	bottom	5 mm	UMTS 1900	RMC	A	Closed	17.82	1:1	0.293	23.15	
1880.00	9400	right	5 mm	UMTS 1900	RMC	A	Closed	17.82	1:1	0.006	40.04	
1880.00	9400	left	5 mm	UMTS 1900	RMC	A	Closed	17.82	1:1	0.022	34.40	

Table A-45
DSI = 3 P_{Limit} Calculations – LTE Band 12 Hotspot SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
707.50	23095	Mid	back	10 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.196	29.64	
707.50	23095	Mid	back	10 mm	LTE Band 12	A	Open	10	QPSK	25	25	22.59	1:1	0.190	29.80	
707.50	23095	Mid	front	10 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.218	29.18	
707.50	23095	Mid	front	10 mm	LTE Band 12	A	Open	10	QPSK	25	25	22.59	1:1	0.209	29.39	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.026	38.36	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A	Open	10	QPSK	25	25	22.59	1:1	0.029	37.98	
707.50	23095	Mid	right	10 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.251	28.56	
707.50	23095	Mid	right	10 mm	LTE Band 12	A	Open	10	QPSK	25	25	22.59	1:1	0.241	28.77	
707.50	23095	Mid	left	10 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.280	28.09	
707.50	23095	Mid	left	10 mm	LTE Band 12	A	Open	10	QPSK	25	25	22.59	1:1	0.264	28.37	25.86
707.50	23095	Mid	back	5 mm	LTE Band 12	A	Closed	10	QPSK	1	25	22.56	1:1	0.468	25.86	
707.50	23095	Mid	back	5 mm	LTE Band 12	A	Closed	10	QPSK	25	25	22.59	1:1	0.451	26.05	
707.50	23095	Mid	front	5 mm	LTE Band 12	A	Closed	10	QPSK	1	25	22.56	1:1	0.052	35.44	
707.50	23095	Mid	front	5 mm	LTE Band 12	A	Closed	10	QPSK	25	25	22.59	1:1	0.047	35.92	
707.50	23095	Mid	bottom	5 mm	LTE Band 12	A	Closed	10	QPSK	1	25	22.56	1:1	0.082	33.42	
707.50	23095	Mid	bottom	5 mm	LTE Band 12	A	Closed	10	QPSK	25	25	22.59	1:1	0.082	33.45	
707.50	23095	Mid	right	5 mm	LTE Band 12	A	Closed	10	QPSK	1	25	22.56	1:1	0.038	36.76	
707.50	23095	Mid	right	5 mm	LTE Band 12	A	Closed	10	QPSK	25	25	22.59	1:1	0.036	37.05	
707.50	23095	Mid	left	5 mm	LTE Band 12	A	Closed	10	QPSK	1	25	22.56	1:1	0.075	33.81	
707.50	23095	Mid	left	5 mm	LTE Band 12	A	Closed	10	QPSK	25	25	22.59	1:1	0.071	34.09	

Table A-46
DSI = 3 P_{Limit} Calculations – LTE Band 13 Hotspot SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
782.00	23230	Mid	back	10 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.275	28.25	
782.00	23230	Mid	back	10 mm	LTE Band 13	A	Open	10	QPSK	25	0	22.62	1:1	0.275	28.23	
782.00	23230	Mid	front	10 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.192	29.81	
782.00	23230	Mid	front	10 mm	LTE Band 13	A	Open	10	QPSK	25	0	22.62	1:1	0.192	29.79	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.080	33.60	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A	Open	10	QPSK	25	0	22.62	1:1	0.084	33.37	
782.00	23230	Mid	right	10 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.202	29.59	
782.00	23230	Mid	right	10 mm	LTE Band 13	A	Open	10	QPSK	25	0	22.62	1:1	0.202	29.57	
782.00	23230	Mid	left	10 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.139	31.21	
782.00	23230	Mid	left	10 mm	LTE Band 13	A	Open	10	QPSK	25	0	22.62	1:1	0.136	31.28	
782.00	23230	Mid	back	5 mm	LTE Band 13	A	Closed	10	QPSK	1	0	22.64	1:1	0.765	23.80	23.78
782.00	23230	Mid	back	5 mm	LTE Band 13	A	Closed	10	QPSK	25	0	22.62	1:1	0.765	23.78	
782.00	23230	Mid	back	5 mm	LTE Band 13	A	Closed	10	QPSK	50	0	22.61	1:1	0.753	23.84	
782.00	23230	Mid	front	5 mm	LTE Band 13	A	Closed	10	QPSK	1	0	22.64	1:1	0.217	29.28	
782.00	23230	Mid	front	5 mm	LTE Band 13	A	Closed	10	QPSK	25	0	22.62	1:1	0.218	29.24	
782.00	23230	Mid	bottom	5 mm	LTE Band 13	A	Closed	10	QPSK	1	0	22.64	1:1	0.159	30.63	
782.00	23230	Mid	bottom	5 mm	LTE Band 13	A	Closed	10	QPSK	25	0	22.62	1:1	0.153	30.77	
782.00	23230	Mid	right	5 mm	LTE Band 13	A	Closed	10	QPSK	1	0	22.64	1:1	0.095	32.85	
782.00	23230	Mid	right	5 mm	LTE Band 13	A	Closed	10	QPSK	25	0	22.62	1:1	0.088	33.16	
782.00	23230	Mid	left	5 mm	LTE Band 13	A	Closed	10	QPSK	1	0	22.64	1:1	0.115	32.03	
782.00	23230	Mid	left	5 mm	LTE Band 13	A	Closed	10	QPSK	25	0	22.62	1:1	0.112	32.13	

Table A-47
DSI = 3 P_{Limit} Calculations – LTE Band 26 Hotspot SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
831.50	26865	Mid	back	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	36	23.72	1:1	0.284	29.19	
831.50	26865	Mid	back	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.77	1:1	0.298	29.03	
831.50	26865	Mid	front	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	36	23.72	1:1	0.181	31.14	
831.50	26865	Mid	front	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.77	1:1	0.187	31.05	
831.50	26865	Mid	bottom	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	36	23.72	1:1	0.079	34.77	
831.50	26865	Mid	bottom	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.77	1:1	0.080	34.75	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	36	23.72	1:1	0.157	31.76	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.77	1:1	0.166	31.57	
831.50	26865	Mid	left	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	36	23.72	1:1	0.075	34.96	
831.50	26865	Mid	left	10 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	36	37	23.77	1:1	0.083	34.57	
831.50	26865	Mid	back	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	1	36	23.72	1:1	0.681	25.39	25.21
831.50	26865	Mid	back	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	36	37	23.77	1:1	0.717	25.21	
831.50	26865	Mid	back	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	75	0	23.69	1:1	0.699	25.25	
831.50	26865	Mid	front	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	1	36	23.72	1:1	0.081	34.66	
831.50	26865	Mid	front	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	36	37	23.77	1:1	0.086	34.41	
831.50	26865	Mid	bottom	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	1	36	23.72	1:1	0.145	32.11	
831.50	26865	Mid	bottom	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	36	37	23.77	1:1	0.151	31.98	
831.50	26865	Mid	right	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	1	36	23.72	1:1	0.083	34.51	
831.50	26865	Mid	right	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	36	37	23.77	1:1	0.076	34.97	
831.50	26865	Mid	left	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	1	36	23.72	1:1	0.108	33.39	
831.50	26865	Mid	left	5 mm	LTE Band 26 (Cell)	A	Closed	15	QPSK	36	37	23.77	1:1	0.111	33.32	

Table A-48
DSI = 3 P_{Limit} Calculations – LTE Band 66 Hotspot SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1770.00	132572	High	back	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	19.37	1:1	0.336	24.11	
1770.00	132572	High	back	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.44	1:1	0.339	24.14	
1770.00	132572	High	front	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	19.37	1:1	0.224	25.87	
1770.00	132572	High	front	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.44	1:1	0.227	25.88	
1720.00	132072	Low	bottom	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	0	19.33	1:1	0.449	22.81	
1745.00	132322	Mid	bottom	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	0	19.09	1:1	0.531	21.84	
1770.00	132572	High	bottom	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	19.37	1:1	0.575	21.77	
1770.00	132572	High	bottom	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.44	1:1	0.573	21.86	
1770.00	132572	High	right	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	19.37	1:1	0.024	35.57	
1770.00	132572	High	right	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.44	1:1	0.023	35.82	
1770.00	132572	High	left	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	19.37	1:1	0.041	33.24	
1770.00	132572	High	left	10 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	25	19.44	1:1	0.043	33.11	21.64
1770.00	132572	High	back	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	99	19.37	1:1	0.494	22.43	
1770.00	132572	High	back	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.44	1:1	0.499	22.46	
1770.00	132572	High	front	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	99	19.37	1:1	0.047	32.65	
1770.00	132572	High	front	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.44	1:1	0.038	33.64	
1720.00	132072	Low	bottom	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	0	19.33	1:1	0.510	22.25	
1745.00	132322	Mid	bottom	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	0	19.09	1:1	0.471	22.36	
1770.00	132572	High	bottom	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	99	19.37	1:1	0.593	21.64	
1770.00	132572	High	bottom	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.44	1:1	0.590	21.73	
1770.00	132572	High	right	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	99	19.37	1:1	0.018	36.82	
1770.00	132572	High	right	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.44	1:1	0.019	36.65	
1770.00	132572	High	left	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	1	99	19.37	1:1	0.084	30.13	
1770.00	132572	High	left	5 mm	LTE Band 66 (AWS)	A	Closed	20	QPSK	50	25	19.44	1:1	0.082	30.30	

Table A-49
DSI = 3 P_{Limit} Calculations – LTE Band 66 Hotspot SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1720.00	132072	Low	back	10 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	17.25	1:1	0.117	26.57	
1720.00	132072	Low	back	10 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	50	0	17.21	1:1	0.117	26.53	
1720.00	132072	Low	front	10 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	17.25	1:1	0.136	25.91	
1720.00	132072	Low	front	10 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	50	0	17.21	1:1	0.136	25.87	
1720.00	132072	Low	top	10 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	17.25	1:1	0.020	34.24	
1720.00	132072	Low	top	10 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	50	0	17.21	1:1	0.021	33.99	
1720.00	132072	Low	right	10 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	17.25	1:1	0.201	24.22	
1720.00	132072	Low	right	10 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	50	0	17.21	1:1	0.198	24.24	
1720.00	132072	Low	back	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	1	0	17.25	1:1	0.029	32.63	22.32
1720.00	132072	Low	back	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	50	0	17.21	1:1	0.028	32.74	
1720.00	132072	Low	front	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	1	0	17.25	1:1	0.192	24.42	
1720.00	132072	Low	front	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	50	0	17.21	1:1	0.183	24.59	
1720.00	132072	Low	top	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	1	0	17.25	1:1	0.010	37.25	
1720.00	132072	Low	top	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	50	0	17.21	1:1	0.011	36.80	
1720.00	132072	Low	bottom	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	1	0	17.25	1:1	0.028	32.78	
1720.00	132072	Low	bottom	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	50	0	17.21	1:1	0.028	32.74	
1720.00	132072	Low	right	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	1	0	17.25	1:1	0.311	22.32	
1720.00	132072	Low	right	5 mm	LTE Band 66 (AWS)	I	Closed	20	QPSK	50	0	17.21	1:1	0.307	22.34	

Table A-50
DSI = 3 P_{Limit} Calculations – LTE Band 25 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1905.00	26590	High	back	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	18.51	1:1	0.281	24.02	
1905.00	26590	High	back	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	18.55	1:1	0.278	24.11	
1905.00	26590	High	front	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	18.51	1:1	0.196	25.59	
1905.00	26590	High	front	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	18.55	1:1	0.195	25.65	
1905.00	26590	High	bottom	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	18.51	1:1	0.425	22.23	
1905.00	26590	High	bottom	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	18.55	1:1	0.415	22.37	
1905.00	26590	High	right	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	18.51	1:1	0.017	36.21	
1905.00	26590	High	right	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	18.55	1:1	0.018	36.00	
1905.00	26590	High	left	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	18.51	1:1	0.044	32.08	
1905.00	26590	High	left	10 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	18.55	1:1	0.044	32.12	
1905.00	26590	High	back	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	1	99	18.51	1:1	0.508	21.45	
1905.00	26590	High	back	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	50	50	18.55	1:1	0.487	21.67	
1905.00	26590	High	front	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	1	99	18.51	1:1	0.069	30.12	19.65
1905.00	26590	High	front	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	50	50	18.55	1:1	0.065	30.42	
1860.00	26140	Low	bottom	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	1	50	18.11	1:1	0.456	21.52	
1882.50	26365	Mid	bottom	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	1	99	17.97	1:1	0.573	20.39	
1905.00	26590	High	bottom	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	1	99	18.51	1:1	0.770	19.65	
1860.00	26140	Low	bottom	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	50	25	18.21	1:1	0.462	21.56	
1882.50	26365	Mid	bottom	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	50	50	18.13	1:1	0.556	20.68	
1905.00	26590	High	bottom	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	50	50	18.55	1:1	0.761	19.74	
1905.00	26590	High	bottom	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	100	0	18.50	1:1	0.726	19.89	
1905.00	26590	High	right	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	1	99	18.51	1:1	0.019	35.72	
1905.00	26590	High	right	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	50	50	18.55	1:1	0.017	36.25	
1905.00	26590	High	left	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	1	99	18.51	1:1	0.078	29.59	
1905.00	26590	High	left	5 mm	LTE Band 25 (PCS)	A	Closed	20	QPSK	50	50	18.55	1:1	0.074	29.86	

Table A-51
DSI = 3 P_{Limit} Calculations – LTE Band 25 Hotspot SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1905.00	26590	High	back	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	15.16	1:1	0.161	23.09	
1905.00	26590	High	back	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	15.07	1:1	0.160	23.03	
1905.00	26590	High	front	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	15.16	1:1	0.141	23.67	
1905.00	26590	High	front	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	15.07	1:1	0.141	23.58	
1905.00	26590	High	top	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	15.16	1:1	0.037	29.48	
1905.00	26590	High	top	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	15.07	1:1	0.034	29.76	
1860.00	26140	Low	right	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	14.71	1:1	0.373	18.99	
1882.50	26365	Mid	right	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	14.58	1:1	0.396	18.60	
1905.00	26590	High	right	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	15.16	1:1	0.463	18.50	
1860.00	26140	Low	right	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	14.57	1:1	0.373	18.85	
1882.50	26365	Mid	right	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	0	14.69	1:1	0.392	18.76	
1905.00	26590	High	right	10 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	15.07	1:1	0.455	18.49	
1905.00	26590	High	back	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	1	99	15.16	1:1	0.024	31.36	
1905.00	26590	High	back	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	50	50	15.07	1:1	0.023	31.45	17.07
1905.00	26590	High	front	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	1	99	15.16	1:1	0.377	19.40	
1905.00	26590	High	front	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	50	50	15.07	1:1	0.373	19.35	
1905.00	26590	High	top	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	1	99	15.16	1:1	0.015	33.40	
1905.00	26590	High	top	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	50	50	15.07	1:1	0.015	33.31	
1905.00	26590	High	bottom	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	1	99	15.16	1:1	0.028	30.69	
1905.00	26590	High	bottom	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	50	50	15.07	1:1	0.032	30.02	
1860.00	26140	Low	right	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	1	99	14.71	1:1	0.443	18.25	
1882.50	26365	Mid	right	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	1	99	14.58	1:1	0.518	17.44	
1905.00	26590	High	right	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	1	99	15.16	1:1	0.621	17.23	
1860.00	26140	Low	right	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	50	50	14.57	1:1	0.451	18.03	
1882.50	26365	Mid	right	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	50	0	14.69	1:1	0.486	17.82	
1905.00	26590	High	right	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	50	50	15.07	1:1	0.631	17.07	
1905.00	26590	High	right	5 mm	LTE Band 25 (PCS)	I	Closed	20	QPSK	100	0	14.97	1:1	0.610	17.12	

Table A-52
DSI = 3 P_{Limit} Calculations – LTE Band 41 Hotspot SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2636.50	41055	Mid-High	back	10 mm	LTE Band 41	B	Open	20	QPSK	1	0	20.78	1:1.58	0.092	29.16	
2636.50	41055	Mid-High	back	10 mm	LTE Band 41	B	Open	20	QPSK	50	25	20.82	1:1.58	0.093	29.15	
2636.50	41055	Mid-High	front	10 mm	LTE Band 41	B	Open	20	QPSK	1	0	20.78	1:1.58	0.076	29.99	
2636.50	41055	Mid-High	front	10 mm	LTE Band 41	B	Open	20	QPSK	50	25	20.82	1:1.58	0.075	30.09	
2636.50	41055	Mid-High	bottom	10 mm	LTE Band 41	B	Open	20	QPSK	1	0	20.78	1:1.58	0.169	26.52	
2636.50	41055	Mid-High	bottom	10 mm	LTE Band 41	B	Open	20	QPSK	50	25	20.82	1:1.58	0.175	26.41	
2636.50	41055	Mid-High	left	10 mm	LTE Band 41	B	Open	20	QPSK	1	0	20.78	1:1.58	0.101	28.75	
2636.50	41055	Mid-High	left	10 mm	LTE Band 41	B	Open	20	QPSK	50	25	20.82	1:1.58	0.103	28.71	24.15
2636.50	41055	Mid-High	back	5 mm	LTE Band 41	B	Closed	20	QPSK	1	0	20.78	1:1.58	0.245	24.90	
2636.50	41055	Mid-High	back	5 mm	LTE Band 41	B	Closed	20	QPSK	50	25	20.82	1:1.58	0.249	24.87	
2636.50	41055	Mid-High	front	5 mm	LTE Band 41	B	Closed	20	QPSK	1	0	20.78	1:1.58	0.021	35.57	
2636.50	41055	Mid-High	front	5 mm	LTE Band 41	B	Closed	20	QPSK	50	25	20.82	1:1.58	0.018	36.28	
2636.50	41055	Mid-High	bottom	5 mm	LTE Band 41	B	Closed	20	QPSK	1	0	20.78	1:1.58	0.285	24.25	
2636.50	41055	Mid-High	bottom	5 mm	LTE Band 41	B	Closed	20	QPSK	50	25	20.82	1:1.58	0.294	24.15	
2636.50	41055	Mid-High	left	5 mm	LTE Band 41	B	Closed	20	QPSK	1	0	20.78	1:1.58	0.197	25.85	
2636.50	41055	Mid-High	left	5 mm	LTE Band 41	B	Closed	20	QPSK	50	25	20.82	1:1.58	0.202	25.78	

Table A-53
DSI = 3 P_{Limit} Calculations – LTE Band 41 Hotspot SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2593.00	40620	Mid	back	10 mm	LTE Band 41	I	Open	20	QPSK	1	99	20.57	1:1.58	0.195	25.69	
2593.00	40620	Mid	back	10 mm	LTE Band 41	I	Open	20	QPSK	50	25	20.70	1:1.58	0.207	25.56	
2593.00	40620	Mid	front	10 mm	LTE Band 41	I	Open	20	QPSK	1	99	20.57	1:1.58	0.220	25.16	
2593.00	40620	Mid	front	10 mm	LTE Band 41	I	Open	20	QPSK	50	25	20.70	1:1.58	0.231	25.08	
2593.00	40620	Mid	top	10 mm	LTE Band 41	I	Open	20	QPSK	1	99	20.57	1:1.58	0.044	32.15	
2593.00	40620	Mid	top	10 mm	LTE Band 41	I	Open	20	QPSK	50	25	20.70	1:1.58	0.045	32.18	
2506.00	39750	Low	right	10 mm	LTE Band 41	I	Open	20	QPSK	1	99	20.25	1:1.58	0.379	22.48	
2549.50	40185	Low-Mid	right	10 mm	LTE Band 41	I	Open	20	QPSK	1	99	20.53	1:1.58	0.401	22.51	
2593.00	40620	Mid	right	10 mm	LTE Band 41	I	Open	20	QPSK	1	99	20.57	1:1.58	0.500	21.60	
2636.50	41055	Mid-High	right	10 mm	LTE Band 41	I	Open	20	QPSK	1	0	20.46	1:1.58	0.433	22.11	
2680.00	41490	High	right	10 mm	LTE Band 41	I	Open	20	QPSK	1	99	20.16	1:1.58	0.274	23.80	
2506.00	39750	Low	right	10 mm	LTE Band 41	I	Open	20	QPSK	50	50	20.33	1:1.58	0.382	22.53	
2549.50	40185	Low-Mid	right	10 mm	LTE Band 41	I	Open	20	QPSK	50	25	20.55	1:1.58	0.429	22.24	
2593.00	40620	Mid	right	10 mm	LTE Band 41	I	Open	20	QPSK	50	25	20.70	1:1.58	0.510	21.64	
2636.50	41055	Mid-High	right	10 mm	LTE Band 41	I	Open	20	QPSK	50	25	20.60	1:1.58	0.420	22.38	
2680.00	41490	High	right	10 mm	LTE Band 41	I	Open	20	QPSK	50	0	20.14	1:1.58	0.322	23.08	
2593.00	40620	Mid	right	10 mm	LTE Band 41	I	Open	20	QPSK	100	0	20.55	1:1.58	0.479	21.76	
2593.00	40620	Mid	back	5 mm	LTE Band 41	I	Closed	20	QPSK	1	99	20.57	1:1.58	0.078	29.67	19.78
2593.00	40620	Mid	back	5 mm	LTE Band 41	I	Closed	20	QPSK	50	25	20.70	1:1.58	0.077	29.85	
2593.00	40620	Mid	front	5 mm	LTE Band 41	I	Closed	20	QPSK	1	99	20.57	1:1.58	0.170	26.28	
2593.00	40620	Mid	front	5 mm	LTE Band 41	I	Closed	20	QPSK	50	25	20.70	1:1.58	0.182	26.12	
2593.00	40620	Mid	top	5 mm	LTE Band 41	I	Closed	20	QPSK	1	99	20.57	1:1.58	0.046	31.96	
2593.00	40620	Mid	top	5 mm	LTE Band 41	I	Closed	20	QPSK	50	25	20.70	1:1.58	0.050	31.73	
2593.00	40620	Mid	bottom	5 mm	LTE Band 41	I	Closed	20	QPSK	1	99	20.57	1:1.58	0.079	29.61	
2593.00	40620	Mid	bottom	5 mm	LTE Band 41	I	Closed	20	QPSK	50	25	20.70	1:1.58	0.077	29.85	
2506.00	39750	Low	right	5 mm	LTE Band 41	I	Closed	20	QPSK	1	99	20.25	1:1.58	0.582	20.62	
2549.50	40185	Low-Mid	right	5 mm	LTE Band 41	I	Closed	20	QPSK	1	99	20.53	1:1.58	0.694	20.13	
2593.00	40620	Mid	right	5 mm	LTE Band 41	I	Closed	20	QPSK	1	99	20.57	1:1.58	0.735	19.92	
2636.50	41055	Mid-High	right	5 mm	LTE Band 41	I	Closed	20	QPSK	1	0	20.46	1:1.58	0.741	19.78	
2680.00	41490	High	right	5 mm	LTE Band 41	I	Closed	20	QPSK	1	99	20.16	1:1.58	0.571	20.61	
2506.00	39750	Low	right	5 mm	LTE Band 41	I	Closed	20	QPSK	50	50	20.33	1:1.58	0.602	20.55	
2549.50	40185	Low-Mid	right	5 mm	LTE Band 41	I	Closed	20	QPSK	50	25	20.55	1:1.58	0.713	20.04	
2593.00	40620	Mid	right	5 mm	LTE Band 41	I	Closed	20	QPSK	50	25	20.70	1:1.58	0.766	19.87	
2636.50	41055	Mid-High	right	5 mm	LTE Band 41	I	Closed	20	QPSK	50	25	20.60	1:1.58	0.682	20.28	
2680.00	41490	High	right	5 mm	LTE Band 41	I	Closed	20	QPSK	50	0	20.14	1:1.58	0.586	20.48	
2593.00	40620	Mid	right	5 mm	LTE Band 41	I	Closed	20	QPSK	100	0	20.55	1:1.58	0.730	19.93	

Table A-54
DSI = 3 P_{Limit} Calculations – NR Band n5 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
836.50	167300	Mid	back	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.332	28.56	
836.50	167300	Mid	back	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.345	28.43	
836.50	167300	Mid	back	10 mm	NR Band n5	A	Open	20	CP-OFDM	QPSK	1	1	23.17	1:1	0.259	29.04	
836.50	167300	Mid	front	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.185	31.10	
836.50	167300	Mid	front	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.191	31.00	
836.50	167300	Mid	bottom	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.089	34.28	
836.50	167300	Mid	bottom	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.091	34.22	
836.50	167300	Mid	right	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.038	37.97	
836.50	167300	Mid	right	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.039	37.90	
836.50	167300	Mid	left	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.116	33.13	
836.50	167300	Mid	left	10 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.120	33.02	
836.50	167300	Mid	back	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.753	25.00	25.00
836.50	167300	Mid	back	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.750	25.06	
836.50	167300	Mid	back	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	100	0	23.75	1:1	0.700	25.30	
836.50	167300	Mid	back	5 mm	NR Band n5	A	Closed	20	CP-OFDM	QPSK	1	1	23.17	1:1	0.594	25.43	
836.50	167300	Mid	front	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.105	33.56	
836.50	167300	Mid	front	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.104	33.64	
836.50	167300	Mid	bottom	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.163	31.65	
836.50	167300	Mid	bottom	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.162	31.72	
836.50	167300	Mid	right	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.117	33.09	
836.50	167300	Mid	right	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.120	33.02	
836.50	167300	Mid	left	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	1	53	23.77	1:1	0.130	32.63	
836.50	167300	Mid	left	5 mm	NR Band n5	A	Closed	20	DFT-S-OFDM	QPSK	50	28	23.81	1:1	0.134	32.54	

Table A-55
DSI = 3 P_{Limit} Calculations – NR Band n66 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1745.00	349000	Mid	back	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.198	25.10	
1745.00	349000	Mid	back	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.211	24.89	
1745.00	349000	Mid	back	10 mm	NR Band n66	A	Open	40	CP-OFDM	QPSK	1	1	18.14	1:1	0.201	25.11	
1745.00	349000	Mid	front	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.157	26.11	
1745.00	349000	Mid	front	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.166	25.93	
1745.00	349000	Mid	bottom	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.141	26.58	
1745.00	349000	Mid	bottom	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.143	26.58	
1745.00	349000	Mid	right	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.015	36.31	
1745.00	349000	Mid	right	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.017	35.83	
1745.00	349000	Mid	left	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.021	34.85	
1745.00	349000	Mid	left	10 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.020	35.12	
1745.00	349000	Mid	back	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.257	23.97	22.40
1745.00	349000	Mid	back	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.290	23.51	
1745.00	349000	Mid	front	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.062	30.15	
1745.00	349000	Mid	front	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.069	29.74	
1745.00	349000	Mid	bottom	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.368	22.41	
1745.00	349000	Mid	bottom	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.357	22.60	
1745.00	349000	Mid	bottom	5 mm	NR Band n66	A	Closed	40	CP-OFDM	QPSK	1	1	18.14	1:1	0.375	22.40	
1745.00	349000	Mid	right	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.006	40.29	
1745.00	349000	Mid	right	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.009	38.59	
1745.00	349000	Mid	left	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	1	1	18.07	1:1	0.062	30.15	
1745.00	349000	Mid	left	5 mm	NR Band n66	A	Closed	40	DFT-S-OFDM	QPSK	108	0	18.13	1:1	0.075	29.38	

Table A-56
DSI = 3 P_{Limit} Calculations – NR Band n66 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1745.00	349000	Mid	back	10 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.129	26.40	
1745.00	349000	Mid	back	10 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.127	26.35	
1745.00	349000	Mid	front	10 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.150	25.75	
1745.00	349000	Mid	front	10 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.153	25.54	
1745.00	349000	Mid	top	10 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.018	34.96	
1745.00	349000	Mid	top	10 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.020	34.38	
1745.00	349000	Mid	right	10 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.228	23.93	
1745.00	349000	Mid	right	10 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.220	23.97	
1745.00	349000	Mid	right	10 mm	NR Band n66	I	Open	40	CP-OFDM	QPSK	1	1	17.55	1:1	0.252	23.54	
1745.00	349000	Mid	back	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.016	35.47	
1745.00	349000	Mid	back	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.015	35.63	21.26
1745.00	349000	Mid	front	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.208	24.33	
1745.00	349000	Mid	front	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.217	24.03	
1745.00	349000	Mid	top	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.010	37.51	
1745.00	349000	Mid	top	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.013	36.25	
1745.00	349000	Mid	bottom	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.023	33.89	
1745.00	349000	Mid	bottom	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.021	34.17	
1745.00	349000	Mid	right	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	1	1	17.51	1:1	0.358	21.97	
1745.00	349000	Mid	right	5 mm	NR Band n66	I	Closed	40	DFT-S-OFDM	QPSK	108	0	17.39	1:1	0.410	21.26	
1745.00	349000	Mid	right	5 mm	NR Band n66	I	Closed	40	CP-OFDM	QPSK	1	1	17.55	1:1	0.367	21.90	

Table A-57
DSI = 3 P_{Limit} Calculations – NR Band n25 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1882.50	376500	Mid	back	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.270	24.34	
1882.50	376500	Mid	back	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.261	24.37	
1882.50	376500	Mid	front	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.181	26.07	
1882.50	376500	Mid	front	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.177	26.06	
1882.50	376500	Mid	bottom	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.460	22.02	
1882.50	376500	Mid	bottom	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.445	22.06	
1882.50	376500	Mid	bottom	10 mm	NR Band n25	A	Open	40	CP-OFDM	QPSK	1	1	18.32	1:1	0.373	22.60	
1882.50	376500	Mid	right	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.023	35.03	
1882.50	376500	Mid	right	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.023	34.92	
1882.50	376500	Mid	left	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.049	31.75	
1882.50	376500	Mid	left	10 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.044	32.11	
1882.50	376500	Mid	back	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.223	25.17	20.31
1882.50	376500	Mid	back	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.228	24.96	
1882.50	376500	Mid	front	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.056	31.17	
1882.50	376500	Mid	front	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.052	31.38	
1882.50	376500	Mid	bottom	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.495	21.70	
1882.50	376500	Mid	bottom	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.535	21.26	
1882.50	376500	Mid	bottom	5 mm	NR Band n25	A	Closed	40	CP-OFDM	QPSK	1	1	18.32	1:1	0.632	20.31	
1882.50	376500	Mid	right	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.017	36.35	
1882.50	376500	Mid	right	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.017	36.24	
1882.50	376500	Mid	left	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	1	214	18.65	1:1	0.065	30.52	
1882.50	376500	Mid	left	5 mm	NR Band n25	A	Closed	40	DFT-S-OFDM	QPSK	108	108	18.54	1:1	0.057	30.98	

Table A-58
DSI = 3 P_{Limit} Calculations – NR Band n25 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
1882.50	376500	Mid	back	10 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.159	23.18	
1882.50	376500	Mid	back	10 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.156	23.12	
1882.50	376500	Mid	front	10 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.158	23.20	
1882.50	376500	Mid	front	10 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.151	23.26	
1882.50	376500	Mid	top	10 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.040	29.17	
1882.50	376500	Mid	top	10 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.037	29.37	
1882.50	376500	Mid	right	10 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.356	19.68	
1882.50	376500	Mid	right	10 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.340	19.74	
1882.50	376500	Mid	right	10 mm	NR Band n25	I	Open	40	CP-OFDM	QPSK	1	1	14.99	1:1	0.334	19.75	
1882.50	376500	Mid	back	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.032	30.14	
1882.50	376500	Mid	back	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.028	30.58	16.46
1882.50	376500	Mid	front	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.335	19.94	
1882.50	376500	Mid	front	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.306	20.19	
1882.50	376500	Mid	top	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.017	32.89	
1882.50	376500	Mid	top	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.016	33.01	
1882.50	376500	Mid	bottom	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.049	28.29	
1882.50	376500	Mid	bottom	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.053	27.81	
1882.50	376500	Mid	right	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	1	214	15.19	1:1	0.743	16.48	
1882.50	376500	Mid	right	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	108	108	15.05	1:1	0.723	16.46	
1882.50	376500	Mid	right	5 mm	NR Band n25	I	Closed	40	DFT-S-OFDM	QPSK	216	0	15.03	1:1	0.681	16.70	
1882.50	376500	Mid	right	5 mm	NR Band n25	I	Closed	40	CP-OFDM	QPSK	1	1	14.99	1:1	0.637	16.95	

Table A-59
DSI = 3 P_{Limit} Calculations – NR Band n41 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
2592.99	518598	Mid	back	10 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	18.33	1:1	0.232	24.68	
2592.99	518598	Mid	back	10 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	18.34	1:1	0.227	24.78	
2592.99	518598	Mid	front	10 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	18.33	1:1	0.236	24.60	
2592.99	518598	Mid	front	10 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	18.34	1:1	0.237	24.59	
2592.99	518598	Mid	top	10 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	18.33	1:1	0.031	33.42	
2592.99	518598	Mid	top	10 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	18.34	1:1	0.033	33.16	
2592.99	518598	Mid	right	10 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	18.33	1:1	0.321	23.27	
2592.99	518598	Mid	right	10 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	18.34	1:1	0.321	23.28	
2592.99	518598	Mid	right	10 mm	NR Band n41	I	Open	100	CP-OFDM	QPSK	1	1	18.18	1:1	0.326	23.05	
2592.99	518598	Mid	back	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	1	137	18.33	1:1	0.153	26.48	
2592.99	518598	Mid	back	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	135	69	18.34	1:1	0.150	26.58	
2592.99	518598	Mid	front	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	1	137	18.33	1:1	0.461	21.69	20.17
2592.99	518598	Mid	front	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	135	69	18.34	1:1	0.459	21.72	
2592.99	518598	Mid	front	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	270	0	18.27	1:1	0.447	21.77	
2592.99	518598	Mid	top	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	1	137	18.33	1:1	0.043	32.00	
2592.99	518598	Mid	top	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	135	69	18.34	1:1	0.042	32.11	
2592.99	518598	Mid	bottom	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	1	137	18.33	1:1	0.098	28.42	
2592.99	518598	Mid	bottom	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	135	69	18.34	1:1	0.093	28.66	
2592.99	518598	Mid	right	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	1	137	18.33	1:1	0.570	20.77	
2592.99	518598	Mid	right	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	135	69	18.34	1:1	0.567	20.80	
2592.99	518598	Mid	right	5 mm	NR Band n41	I	Closed	100	DFT-s-OFDM	QPSK	270	0	18.27	1:1	0.564	20.76	
2592.99	518598	Mid	right	5 mm	NR Band n41	I	Closed	100	CP-OFDM	QPSK	1	1	18.18	1:1	0.632	20.17	
2592.99	518598	Mid	back	10 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.095	28.40	
2592.99	518598	Mid	front	10 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.080	29.15	
2592.99	518598	Mid	bottom	10 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.281	23.69	
2592.99	518598	Mid	left	10 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.030	33.41	
2592.99	518598	Mid	back	5 mm	NR Band n41	B	Closed	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.214	24.88	22.80
2592.99	518598	Mid	front	5 mm	NR Band n41	B	Closed	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.009	38.64	
2592.99	518598	Mid	top	5 mm	NR Band n41	B	Closed	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.006	40.40	
2592.99	518598	Mid	bottom	5 mm	NR Band n41	B	Closed	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.345	22.80	
2592.99	518598	Mid	left	5 mm	NR Band n41	B	Closed	100	CW/SRS	N/A	N/A	N/A	18.18	1:1	0.063	30.19	

Table A-60
DSI = 3 P_{Limit} Calculations – NR Band n41 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
2592.99	518598	Mid	back	10 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.089	15.73	
2592.99	518598	Mid	front	10 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.098	15.31	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.061	17.37	
2592.99	518598	Mid	left	10 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.195	12.32	
2592.99	518598	Mid	back	5 mm	NR Band n41	F	Closed	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.029	20.60	7.73
2592.99	518598	Mid	front	5 mm	NR Band n41	F	Closed	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.225	11.70	
2592.99	518598	Mid	top	5 mm	NR Band n41	F	Closed	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.019	22.43	
2592.99	518598	Mid	bottom	5 mm	NR Band n41	F	Closed	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.064	17.16	
2592.99	518598	Mid	left	5 mm	NR Band n41	F	Closed	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.561	7.73	
2592.99	518598	Mid	back	10 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.053	23.77	
2592.99	518598	Mid	front	10 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.050	24.02	
2592.99	518598	Mid	bottom	10 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.021	27.79	
2592.99	518598	Mid	left	10 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.096	21.19	
2592.99	518598	Mid	back	5 mm	NR Band n41	C	Closed	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.101	20.97	
2592.99	518598	Mid	front	5 mm	NR Band n41	C	Closed	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.014	29.55	
2592.99	518598	Mid	top	5 mm	NR Band n41	C	Closed	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.013	29.87	16.96
2592.99	518598	Mid	bottom	5 mm	NR Band n41	C	Closed	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.046	24.38	
2592.99	518598	Mid	left	5 mm	NR Band n41	C	Closed	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.254	16.96	

Table A-61
DSI = 3 P_{Limit} Calculations – NR Band n77 Hotspot SAR

MEASUREMENT RESULTS																	
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
3750.00	650000	Low	back	10 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	14.99	1:1	0.126	23.99	
3750.00	650000	Low	back	10 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	14.81	1:1	0.123	23.91	
3750.00	650000	Low	front	10 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	14.99	1:1	0.070	26.54	
3750.00	650000	Low	front	10 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	14.81	1:1	0.071	26.30	
3750.00	650000	Low	top	10 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	14.99	1:1	0.063	27.00	
3750.00	650000	Low	top	10 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	14.81	1:1	0.063	26.82	
3750.00	650000	Low	left	10 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	14.99	1:1	0.146	23.35	
3750.00	650000	Low	left	10 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	14.81	1:1	0.141	23.32	
3750.00	650000	Low	left	10 mm	NR Band n77	F	Open	100	CP-OFDM	QPSK	1	1	14.20	1:1	0.197	21.26	
3500.01	633334	Mid	left	10 mm	NR Band n77 DoD	F	Open	100	DFT-S-OFDM	QPSK	1	271	13.98	1:1	0.277	19.56	17.56
3750.00	650000	Low	back	5 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	1	271	14.99	1:1	0.106	24.74	
3750.00	650000	Low	back	5 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	135	138	14.81	1:1	0.107	24.52	
3750.00	650000	Low	front	5 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	1	271	14.99	1:1	0.297	20.26	
3750.00	650000	Low	front	5 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	135	138	14.81	1:1	0.333	19.59	
3750.00	650000	Low	bottom	5 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	1	271	14.99	1:1	0.192	22.16	
3750.00	650000	Low	bottom	5 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	135	138	14.81	1:1	0.204	21.71	
3750.00	650000	Low	left	5 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	1	271	14.99	1:1	0.313	20.04	
3750.00	650000	Low	left	5 mm	NR Band n77	F	Closed	100	DFT-s-OFDM	QPSK	135	138	14.81	1:1	0.344	19.44	
3500.01	633334	Mid	left	5 mm	NR Band n77 DoD	F	Closed	100	DFT-S-OFDM	QPSK	1	271	13.98	1:1	0.439	17.56	
3750.00	650000	Low	back	10 mm	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.034	26.46	
3750.00	650000	Low	front	10 mm	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.024	27.97	
3750.00	650000	Low	top	10 mm	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.001	41.77	
3750.00	650000	Low	right	10 mm	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.058	24.14	
3500.01	633334	Mid	right	10 mm	NR Band n77 DoD	I	Open	100	CW/SRS	N/A	N/A	N/A	11.00	1:1	0.174	18.59	
3750.00	650000	Low	back	5 mm	NR Band n77	I	Closed	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.007	33.32	15.75
3750.00	650000	Low	front	5 mm	NR Band n77	I	Closed	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.123	20.87	
3750.00	650000	Low	top	5 mm	NR Band n77	I	Closed	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.004	35.75	
3750.00	650000	Low	bottom	5 mm	NR Band n77	I	Closed	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.011	31.36	
3750.00	650000	Low	right	5 mm	NR Band n77	I	Closed	100	CW/SRS	N/A	N/A	N/A	11.77	1:1	0.241	17.95	
3500.01	633334	Mid	right	5 mm	NR Band n77 DoD	I	Closed	100	CW/SRS	N/A	N/A	N/A	11.00	1:1	0.335	15.75	

Table A-62
DSI = 3 P_{Limit} Calculations – NR Band n77 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
3750.00	650000	Low	back	10 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.018	29.99	
3750.00	650000	Low	front	10 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.033	27.36	
3750.00	650000	Low	top	10 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.002	39.53	
3750.00	650000	Low	left	10 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.056	25.06	
3500.01	633334	Mid	left	10 mm	NR Band n77 DoD	E	Open	100	CW/SRS	N/A	N/A	N/A	12.56	1:1	0.089	23.07	
3750.00	650000	Low	back	5 mm	NR Band n77	E	Closed	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.037	26.86	19.94
3750.00	650000	Low	front	5 mm	NR Band n77	E	Closed	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.070	24.09	
3750.00	650000	Low	top	5 mm	NR Band n77	E	Closed	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.002	39.53	
3750.00	650000	Low	bottom	5 mm	NR Band n77	E	Closed	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.007	34.09	
3750.00	650000	Low	left	5 mm	NR Band n77	E	Closed	100	CW/SRS	N/A	N/A	N/A	12.54	1:1	0.153	20.69	
3500.01	633334	Mid	left	5 mm	NR Band n77 DoD	E	Closed	100	CW/SRS	N/A	N/A	N/A	12.56	1:1	0.183	19.94	
3750.00	650000	Low	back	10 mm	NR Band n77	C	Open	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.016	28.86	
3750.00	650000	Low	front	10 mm	NR Band n77	C	Open	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.020	27.89	
3750.00	650000	Low	bottom	10 mm	NR Band n77	C	Open	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.004	34.88	
3750.00	650000	Low	left	10 mm	NR Band n77	C	Open	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.051	23.82	
3500.01	633334	Mid	left	10 mm	NR Band n77 DoD	C	Open	100	CW/SRS	N/A	N/A	N/A	9.79	1:1	0.038	23.99	
3750.00	650000	Low	back	5 mm	NR Band n77	C	Closed	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.053	23.66	
3750.00	650000	Low	front	5 mm	NR Band n77	C	Closed	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.014	29.44	
3750.00	650000	Low	top	5 mm	NR Band n77	C	Closed	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.003	36.13	
3750.00	650000	Low	bottom	5 mm	NR Band n77	C	Closed	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.020	27.89	18.11
3750.00	650000	Low	left	5 mm	NR Band n77	C	Closed	100	CW/SRS	N/A	N/A	N/A	10.90	1:1	0.190	18.11	
3500.01	633334	Mid	left	5 mm	NR Band n77 DoD	C	Closed	100	CW/SRS	N/A	N/A	N/A	9.79	1:1	0.093	20.11	

Table A-63
DSI = 3 P_{Limit} Calculations – DTS SISO Hotspot SAR

MEASUREMENT RESULTS														
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.											(W/kg)		
2412	1	back	10 mm	802.11b	DSSS	2	Open	22	1	18.65	98.74	0.081	29.51	23.90
2412	1	front	10 mm	802.11b	DSSS	2	Open	22	1	18.65	98.74	0.117	27.91	
2412	1	top	10 mm	802.11b	DSSS	2	Open	22	1	18.65	98.74	0.071	30.08	
2412	1	right	10 mm	802.11b	DSSS	2	Open	22	1	18.65	98.74	0.038	32.80	
2412	1	back	5 mm	802.11b	DSSS	2	Closed	22	1	18.65	98.74	0.042	32.36	
2412	1	front	5 mm	802.11b	DSSS	2	Closed	22	1	18.65	98.74	0.295	23.90	
2412	1	bottom	5 mm	802.11b	DSSS	2	Closed	22	1	18.65	98.74	0.162	26.50	
2412	1	right	5 mm	802.11b	DSSS	2	Closed	22	1	18.65	98.74	0.090	29.05	

Table A-64
DSI = 3 P_{Limit} Calculations – DTS and NII MIMO Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2462	11	back	10 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	0.203	25.75	22.20
2462	11	front	10 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	0.195	25.92	
2462	11	top	10 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	0.245	24.93	
2462	11	right	10 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	0.024	35.02	
2462	11	left	10 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	0.215	25.50	
2462	11	back	5 mm	802.11b	DSSS	MIMO	Closed	22	1	18.95	18.87	98.90	0.139	27.39	
2462	11	front	5 mm	802.11b	DSSS	MIMO	Closed	22	1	18.95	18.87	98.90	0.379	23.04	
2462	11	bottom	5 mm	802.11b	DSSS	MIMO	Closed	22	1	18.95	18.87	98.90	0.153	26.98	
2462	11	right	5 mm	802.11b	DSSS	MIMO	Closed	22	1	18.95	18.87	98.90	0.146	27.18	
2462	11	left	5 mm	802.11b	DSSS	MIMO	Closed	22	1	18.95	18.87	98.90	0.459	22.20	
5825	165	back	10 mm	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.189	22.98	19.80
5825	165	front	10 mm	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.137	24.37	
5825	165	top	10 mm	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.090	26.20	
5825	165	right	10 mm	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.094	26.01	
5825	165	left	10 mm	802.11n	OFDM	MIMO	Open	20	13	15.93	15.82	98.20	0.176	23.29	
5825	165	back	5 mm	802.11n	OFDM	MIMO	Closed	20	13	15.93	15.82	98.20	0.072	27.17	
5825	165	front	5 mm	802.11n	OFDM	MIMO	Closed	20	13	15.93	15.82	98.20	0.393	19.80	
5825	165	bottom	5 mm	802.11n	OFDM	MIMO	Closed	20	13	15.93	15.82	98.20	0.248	21.80	
5825	165	right	5 mm	802.11n	OFDM	MIMO	Closed	20	13	15.93	15.82	98.20	0.335	20.49	
5825	165	left	5 mm	802.11n	OFDM	MIMO	Closed	20	13	15.93	15.82	98.20	0.281	21.25	

Table A-65
DSI = 3 P_{Limit} Calculations – DSS Hotspot SAR

MEASUREMENT RESULTS													
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Data Rate (Mbps)	Conducted Power [dBm]	Duty Cycle (%)	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.										(W/kg)		
2441	39	back	10 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.054	27.93	
2441	39	front	10 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.058	27.62	
2441	39	top	10 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.040	29.24	
2441	39	left	10 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.109	24.88	
2440	19	left	10 mm	Bluetooth LE	DSSS	1	Open	1	16.42	51.33	0.007	35.07	22.33
2441	39	back	5 mm	Bluetooth	FHSS	1	Closed	1	16.40	76.85	0.050	28.27	
2441	39	front	5 mm	Bluetooth	FHSS	1	Closed	1	16.40	76.85	0.095	25.48	
2441	39	bottom	5 mm	Bluetooth	FHSS	1	Closed	1	16.40	76.85	0.098	25.34	
2441	39	left	5 mm	Bluetooth	FHSS	1	Closed	1	16.40	76.85	0.196	22.33	
2440	19	left	5 mm	Bluetooth LE	DSSS	1	Closed	1	16.42	51.33	0.011	33.11	

Table A-66
DSI = 0 P_{Limit} Calculations – GPRS Phablet SAR

MEASUREMENT RESULTS													
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.										(W/kg)		
836.60	190	back	0 mm	GSM 850	GPRS	A	Open	3	29.47	1:2.76	0.780	30.10	
836.60	190	front	0 mm	GSM 850	GPRS	A	Open	3	29.47	1:2.76	0.731	30.38	
836.60	190	bottom	0 mm	GSM 850	GPRS	A	Open	3	29.47	1:2.76	0.340	33.70	30.10
836.60	190	right	0 mm	GSM 850	GPRS	A	Open	3	29.47	1:2.76	0.527	31.80	
836.60	190	left	0 mm	GSM 850	GPRS	A	Open	3	29.47	1:2.76	0.577	31.41	
1909.80	810	back	0 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.821	24.44	
1909.80	810	front	0 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.813	24.48	
1909.80	810	bottom	0 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.495	26.63	24.44
1909.80	810	right	0 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.068	35.25	
1909.80	810	left	0 mm	GSM 1900	GPRS	A	Open	4	22.78	1:2.076	0.106	33.33	

Table A-67
DSI = 0 P_{Limit} Calculations – UMTS Phablet SAR

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
846.60	4233	front	0 mm	UMTS 850	RMC	A	Open	25.21	1:1	0.794	30.19	30.19
846.60	4233	bottom	0 mm	UMTS 850	RMC	A	Open	25.21	1:1	0.398	33.19	
846.60	4233	right	0 mm	UMTS 850	RMC	A	Open	25.21	1:1	0.496	32.23	
846.60	4233	left	0 mm	UMTS 850	RMC	A	Open	25.21	1:1	0.689	30.81	
1712.40	1312	back	0 mm	UMTS 1750	RMC	A	Open	21.01	1:1	1.620	22.89	22.63
1732.40	1412	back	0 mm	UMTS 1750	RMC	A	Open	20.57	1:1	1.500	22.79	
1752.60	1513	back	0 mm	UMTS 1750	RMC	A	Open	20.88	1:1	1.670	22.63	
1712.40	1312	front	0 mm	UMTS 1750	RMC	A	Open	21.01	1:1	1.160	24.34	
1712.40	1312	bottom	0 mm	UMTS 1750	RMC	A	Open	21.01	1:1	1.050	24.78	
1712.40	1312	right	0 mm	UMTS 1750	RMC	A	Open	21.01	1:1	0.088	35.54	
1712.40	1312	left	0 mm	UMTS 1750	RMC	A	Open	21.01	1:1	0.132	33.78	
1852.40	9262	back	0 mm	UMTS 1900	RMC	A	Open	22.77	1:1	2.020	23.70	23.70
1880.00	9400	back	0 mm	UMTS 1900	RMC	A	Open	23.00	1:1	2.010	23.95	
1907.60	9538	back	0 mm	UMTS 1900	RMC	A	Open	23.30	1:1	1.960	24.36	
1880.00	9400	front	0 mm	UMTS 1900	RMC	A	Open	23.00	1:1	0.948	27.21	
1907.60	9538	bottom	0 mm	UMTS 1900	RMC	A	Open	23.30	1:1	1.300	26.14	
1880.00	9400	right	0 mm	UMTS 1900	RMC	A	Open	23.00	1:1	0.079	38.00	
1880.00	9400	left	0 mm	UMTS 1900	RMC	A	Open	23.00	1:1	0.132	35.77	

Table A-68
DSI = 0 P_{Limit} Calculations – LTE Band 12 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
707.50	23095	Mid	back	0 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.879	27.10	27.10
707.50	23095	Mid	front	0 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.624	28.59	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.272	32.19	
707.50	23095	Mid	right	0 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.304	31.71	
707.50	23095	Mid	left	0 mm	LTE Band 12	A	Open	10	QPSK	1	25	22.56	1:1	0.633	28.53	

Table A-69
DSI = 0 P_{Limit} Calculations – LTE Band 13 Phablet SAR

MEASUREMENT RESULTS

FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
782.00	23230	Mid	back	0 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.945	26.87	
782.00	23230	Mid	front	0 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.429	30.29	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.259	32.49	26.87
782.00	23230	Mid	right	0 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.249	32.66	
782.00	23230	Mid	left	0 mm	LTE Band 13	A	Open	10	QPSK	1	0	22.64	1:1	0.555	29.18	

Table A-70
DSI = 0 P_{Limit} Calculations – LTE Band 26 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
831.50	26865	Mid	back	0 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.798	29.74	
831.50	26865	Mid	front	0 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.478	31.97	
831.50	26865	Mid	bottom	0 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.249	34.80	29.74
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.383	32.93	
831.50	26865	Mid	left	0 mm	LTE Band 26 (Cell)	A	Open	15	QPSK	1	74	24.78	1:1	0.322	33.68	

Table A-71
DSI = 0 P_{Limit} Calculations – LTE Band 66 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1720.00	132072	Low	back	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	0	21.16	1:1	1.100	24.73	
1745.00	132322	Mid	back	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	20.90	1:1	1.370	23.51	
1770.00	132572	High	back	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	21.20	1:1	1.410	23.69	
1770.00	132572	High	back	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	21.27	1:1	1.430	23.70	
1770.00	132572	High	front	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	21.27	1:1	1.220	24.39	23.51
1770.00	132572	High	bottom	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	1	99	21.20	1:1	1.190	24.42	
1770.00	132572	High	bottom	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	21.27	1:1	1.270	24.21	
1770.00	132572	High	right	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	21.27	1:1	0.033	40.06	
1770.00	132572	High	left	0 mm	LTE Band 66 (AWS)	A	Open	20	QPSK	50	50	21.27	1:1	0.115	34.64	

Table A-72
DSI = 0 P_{Limit} Calculations – LTE Band 66 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1720.00	132072	Low	back	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	21.11	1:1	1.070	24.80	
1720.00	132072	Low	front	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	21.11	1:1	0.883	25.63	
1720.00	132072	Low	top	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	21.11	1:1	0.117	34.41	
1720.00	132072	Low	right	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	0	21.11	1:1	2.350	21.38	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	99	20.73	1:1	2.070	21.55	21.20
1770.00	132572	High	right	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	1	50	20.75	1:1	2.250	21.21	
1720.00	132072	Low	right	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	50	0	21.10	1:1	2.270	21.52	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	50	0	20.67	1:1	2.100	21.43	
1770.00	132572	High	right	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	50	50	20.80	1:1	2.280	21.20	
1720.00	132072	Low	right	0 mm	LTE Band 66 (AWS)	I	Open	20	QPSK	100	0	21.00	1:1	2.230	21.50	

Table A-73
DSI = 0 P_{Limit} Calculations – LTE Band 25 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1860.00	26140	Low	back	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	50	21.46	1:1	1.250	24.47	
1882.50	26365	Mid	back	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	21.62	1:1	1.350	24.30	
1905.00	26590	High	back	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	21.98	1:1	1.450	24.35	
1905.00	26590	High	back	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	22.04	1:1	1.450	24.41	
1905.00	26590	High	front	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	22.04	1:1	1.320	24.81	24.30
1905.00	26590	High	bottom	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	1	99	21.98	1:1	0.922	26.31	
1905.00	26590	High	bottom	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	22.04	1:1	0.893	26.51	
1905.00	26590	High	right	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	22.04	1:1	0.113	35.49	
1905.00	26590	High	left	0 mm	LTE Band 25 (PCS)	A	Open	20	QPSK	50	50	22.04	1:1	0.203	32.94	

Table A-74
DSI = 0 P_{Limit} Calculations – LTE Band 25 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1860.00	26140	Low	back	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	0	20.25	1:1	1.350	22.93	
1882.50	26365	Mid	back	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	20.54	1:1	1.440	22.94	
1905.00	26590	High	back	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	21.02	1:1	1.630	22.88	
1860.00	26140	Low	back	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	25	20.37	1:1	1.430	22.80	
1882.50	26365	Mid	back	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	20.34	1:1	1.450	22.71	
1905.00	26590	High	back	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	20.73	1:1	1.640	22.56	
1905.00	26590	High	back	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	100	0	20.60	1:1	1.630	22.46	
1860.00	26140	Low	front	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	0	20.25	1:1	1.640	22.08	
1882.50	26365	Mid	front	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	20.54	1:1	1.630	22.40	
1905.00	26590	High	front	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	21.02	1:1	1.800	22.45	
1860.00	26140	Low	front	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	25	20.37	1:1	1.680	22.10	21.52
1882.50	26365	Mid	front	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	20.34	1:1	1.640	22.17	
1905.00	26590	High	front	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	20.73	1:1	1.800	22.16	
1905.00	26590	High	front	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	100	0	20.60	1:1	1.790	22.05	
1905.00	26590	High	top	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	21.02	1:1	0.113	34.47	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	0	20.25	1:1	1.850	21.56	
1882.50	26365	Mid	right	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	20.54	1:1	1.650	22.34	
1905.00	26590	High	right	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	1	99	21.02	1:1	1.840	22.35	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	25	20.37	1:1	1.920	21.52	
1882.50	26365	Mid	right	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	20.34	1:1	1.700	22.01	
1905.00	26590	High	right	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	50	50	20.73	1:1	1.840	22.06	
1905.00	26590	High	right	0 mm	LTE Band 25 (PCS)	I	Open	20	QPSK	100	0	20.60	1:1	1.840	21.93	

Table A-75
DSI = 0 P_{Limit} Calculations – LTE Band 41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.															
2593.00	40620	Mid	back	0 mm	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	1.250	25.54	
2593.00	40620	Mid	front	0 mm	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	0.946	26.75	24.46
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	1.600	24.46	
2593.00	40620	Mid	left	0 mm	LTE Band 41	B	Open	20	QPSK	1	0	24.51	1:1.58	0.643	28.42	

Table A-76
DSI = 0 P_{Limit} Calculations – LTE Band 41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Form Factor	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.															
2593.00	40620	Mid	back	0 mm	LTE Band 41	I	Open	20	QPSK	50	25	22.73	1:1.58	1.280	23.65	
2593.00	40620	Mid	front	0 mm	LTE Band 41	I	Open	20	QPSK	50	25	22.73	1:1.58	1.860	22.03	
2593.00	40620	Mid	top	0 mm	LTE Band 41	I	Open	20	QPSK	50	25	22.73	1:1.58	0.216	31.38	
2506.00	39750	Low	right	0 mm	LTE Band 41	I	Open	20	QPSK	1	99	22.32	1:1.58	1.360	22.98	
2549.50	40185	Low-Mid	right	0 mm	LTE Band 41	I	Open	20	QPSK	1	99	22.54	1:1.58	1.410	23.04	
2593.00	40620	Mid	right	0 mm	LTE Band 41	I	Open	20	QPSK	1	0	22.59	1:1.58	1.450	22.97	
2636.50	41055	Mid-High	right	0 mm	LTE Band 41	I	Open	20	QPSK	1	99	22.56	1:1.58	1.260	23.55	
2680.00	41490	High	right	0 mm	LTE Band 41	I	Open	20	QPSK	1	50	22.06	1:1.58	1.070	23.76	22.03
2506.00	39750	Low	right	0 mm	LTE Band 41	I	Open	20	QPSK	50	50	22.31	1:1.58	1.400	22.84	
2549.50	40185	Low-Mid	right	0 mm	LTE Band 41	I	Open	20	QPSK	50	25	22.57	1:1.58	1.450	22.95	
2593.00	40620	Mid	right	0 mm	LTE Band 41	I	Open	20	QPSK	50	25	22.73	1:1.58	1.480	23.02	
2636.50	41055	Mid-High	right	0 mm	LTE Band 41	I	Open	20	QPSK	50	0	22.58	1:1.58	1.350	23.27	
2680.00	41490	High	right	0 mm	LTE Band 41	I	Open	20	QPSK	50	25	22.14	1:1.58	1.090	23.76	
2593.00	40620	Mid	right	0 mm	LTE Band 41	I	Open	20	QPSK	100	0	22.58	1:1.58	1.460	22.93	

Table A-77
DSI = 0 P_{Limit} Calculations – NR Band n5 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.																
836.50	167300	Mid	back	0 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.964	28.95	
836.50	167300	Mid	front	0 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.416	32.60	
836.50	167300	Mid	bottom	0 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.249	34.83	28.95
836.50	167300	Mid	right	0 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.252	34.78	
836.50	167300	Mid	left	0 mm	NR Band n5	A	Open	20	DFT-S-OFDM	QPSK	50	28	24.81	1:1	0.496	31.84	

Table A-78
DSI = 0 P_{Limit} Calculations – NR Band n66 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.																
1745.00	349000	Mid	back	0 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	20.10	1:1	1.310	22.91	
1745.00	349000	Mid	front	0 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	20.10	1:1	0.899	24.54	
1745.00	349000	Mid	bottom	0 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	20.10	1:1	1.290	22.97	22.91
1745.00	349000	Mid	right	0 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	20.10	1:1	0.060	36.30	
1745.00	349000	Mid	left	0 mm	NR Band n66	A	Open	40	DFT-S-OFDM	QPSK	108	0	20.10	1:1	0.084	34.84	

Table A-79
DSI = 0 P_{Limit} Calculations – NR Band n66 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.																
1745.00	349000	Mid	back	0 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	21.46	1:1	1.060	25.19	
1745.00	349000	Mid	front	0 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	21.46	1:1	1.280	24.37	
1745.00	349000	Mid	top	0 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	21.46	1:1	0.120	34.65	
1745.00	349000	Mid	right	0 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	1	1	21.46	1:1	1.980	22.47	22.16
1745.00	349000	Mid	right	0 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	108	0	21.35	1:1	1.980	22.36	
1745.00	349000	Mid	right	0 mm	NR Band n66	I	Open	40	DFT-S-OFDM	QPSK	216	0	21.17	1:1	1.990	22.16	
1745.00	349000	Mid	right	0 mm	NR Band n66	I	Open	40	CP-OFDM	QPSK	1	1	21.60	1:1	2.070	22.42	

Table A-80
DSI = 0 P_{Limit} Calculations – NR Band n25 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.																
1882.50	376500	Mid	back	0 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	22.13	1:1	1.110	25.66	
1882.50	376500	Mid	back	0 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	108	22.06	1:1	1.050	25.83	
1882.50	376500	Mid	front	0 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	22.13	1:1	1.230	25.21	
1882.50	376500	Mid	bottom	0 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	22.13	1:1	1.650	23.94	
1882.50	376500	Mid	bottom	0 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	108	108	22.06	1:1	1.690	23.76	23.44
1882.50	376500	Mid	bottom	0 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	216	0	22.02	1:1	1.710	23.67	
1882.50	376500	Mid	bottom	0 mm	NR Band n25	A	Open	40	CP-OFDM	QPSK	1	1	21.92	1:1	1.760	23.44	
1882.50	376500	Mid	right	0 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	22.13	1:1	0.123	35.21	
1882.50	376500	Mid	left	0 mm	NR Band n25	A	Open	40	DFT-S-OFDM	QPSK	1	214	22.13	1:1	0.177	33.63	

Table A-81
DSI = 0 P_{Limit} Calculations – NR Band n25 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.																
1882.50	376500	Mid	back	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	21.58	1:1	1.810	22.98	
1882.50	376500	Mid	back	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	21.38	1:1	1.730	22.98	
1882.50	376500	Mid	back	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	216	0	21.31	1:1	1.790	22.76	
1882.50	376500	Mid	front	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	21.58	1:1	1.870	22.84	
1882.50	376500	Mid	front	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	21.38	1:1	1.680	23.11	
1882.50	376500	Mid	front	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	216	0	21.31	1:1	1.730	22.91	21.17
1882.50	376500	Mid	top	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	21.58	1:1	0.131	34.39	
1882.50	376500	Mid	right	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	1	214	21.58	1:1	2.290	21.96	
1882.50	376500	Mid	right	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	108	108	21.38	1:1	2.440	21.49	
1882.50	376500	Mid	right	0 mm	NR Band n25	I	Open	40	DFT-S-OFDM	QPSK	216	0	21.31	1:1	2.580	21.17	
1882.50	376500	Mid	right	0 mm	NR Band n25	I	Open	40	CP-OFDM	QPSK	1	1	21.54	1:1	2.720	21.17	

Table A-82
DSI = 0 P_{Limit} Calculations – NR Band n41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.																
2592.99	518598	Mid	back	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	20.57	1:1	1.270	23.51	
2592.99	518598	Mid	back	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	20.50	1:1	1.260	23.48	
2592.99	518598	Mid	back	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	270	0	20.42	1:1	1.240	23.47	
2592.99	518598	Mid	front	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	20.57	1:1	1.610	22.48	
2592.99	518598	Mid	front	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	20.50	1:1	1.580	22.49	
2592.99	518598	Mid	front	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	270	0	20.42	1:1	1.580	22.41	22.41
2592.99	518598	Mid	front	0 mm	NR Band n41	I	Open	100	CP-OFDM	QPSK	1	1	20.39	1:1	1.570	22.41	
2592.99	518598	Mid	top	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	20.57	1:1	0.228	30.97	
2592.99	518598	Mid	right	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	1	137	20.57	1:1	1.260	23.55	
2592.99	518598	Mid	right	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	135	69	20.50	1:1	1.280	23.41	
2592.99	518598	Mid	right	0 mm	NR Band n41	I	Open	100	DFT-S-OFDM	QPSK	270	0	20.42	1:1	1.300	23.26	
2592.99	518598	Mid	back	0 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	20.27	1:1	0.902	24.70	
2592.99	518598	Mid	front	0 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	20.27	1:1	0.524	27.06	
2592.99	518598	Mid	bottom	0 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	20.27	1:1	0.585	26.58	24.70
2592.99	518598	Mid	left	0 mm	NR Band n41	B	Open	100	CW/SRS	N/A	N/A	N/A	20.27	1:1	0.308	29.36	

Table A-83
DSI = 0 P_{Limit} Calculations – NR Band n41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.																
2592.99	518598	Mid	back	0 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.265	14.97	
2592.99	518598	Mid	front	0 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.605	11.38	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.128	18.13	9.70
2592.99	518598	Mid	left	0 mm	NR Band n41	F	Open	100	CW/SRS	N/A	N/A	N/A	5.22	1:1	0.892	9.70	
2592.99	518598	Mid	back	0 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.210	21.77	
2592.99	518598	Mid	front	0 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.185	22.32	
2592.99	518598	Mid	bottom	0 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.023	31.37	21.67
2592.99	518598	Mid	left	0 mm	NR Band n41	C	Open	100	CW/SRS	N/A	N/A	N/A	11.01	1:1	0.215	21.67	

Table A-84
DSI = 0 P_{Limit} Calculations – NR Band n77 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
3750.00	650000	Low	back	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	17.49	1:1	0.789	22.50	
3750.00	650000	Low	back	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	17.33	1:1	0.833	22.10	
3750.00	650000	Low	front	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	17.49	1:1	0.567	23.93	
3750.00	650000	Low	top	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	17.49	1:1	0.307	26.60	
3750.00	650000	Low	left	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	271	17.49	1:1	1.360	20.13	
3930.00	662000	High	left	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	1	137	16.62	1:1	1.080	20.27	18.59
3750.00	650000	Low	left	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	138	17.33	1:1	1.330	20.07	
3930.00	662000	High	left	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	135	69	16.56	1:1	1.040	20.37	
3750.00	650000	Low	left	0 mm	NR Band n77	F	Open	100	DFT-S-OFDM	QPSK	270	0	17.18	1:1	1.290	20.05	
3750.00	650000	Low	left	0 mm	NR Band n77	F	Open	100	CP-OFDM	QPSK	1	1	16.77	1:1	1.100	20.34	
3500.01	633334	Mid	left	0 mm	NR Band n77 DoD	F	Open	100	DFT-S-OFDM	QPSK	1	271	16.51	1:1	1.550	18.59	
3750.00	650000	Low	back	0 mm	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	14.28	1:1	0.215	24.94	
3750.00	650000	Low	front	0 mm	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	14.28	1:1	0.206	25.12	
3750.00	650000	Low	top	0 mm	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	14.28	1:1	0.006	40.48	19.00
3750.00	650000	Low	right	0 mm	NR Band n77	I	Open	100	CW/SRS	N/A	N/A	N/A	14.28	1:1	0.182	25.66	
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	I	Open	100	CW/SRS	N/A	N/A	N/A	13.51	1:1	0.706	19.00	

Table A-85
DSI = 0 P_{Limit} Calculations – NR Band n77 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Form Factor	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.														(W/kg)		
3750.00	650000	Low	back	0 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	15.08	1:1	0.188	26.32	
3750.00	650000	Low	front	0 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	15.08	1:1	0.190	26.27	
3750.00	650000	Low	top	0 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	15.08	1:1	0.006	41.28	23.21
3750.00	650000	Low	left	0 mm	NR Band n77	E	Open	100	CW/SRS	N/A	N/A	N/A	15.08	1:1	0.385	23.21	
3750.00	650000	Low	back	0 mm	NR Band n77	C	Open	100	CW/SRS	N/A	N/A	N/A	13.41	1:1	0.059	29.68	
3750.00	650000	Low	front	0 mm	NR Band n77	C	Open	100	CW/SRS	N/A	N/A	N/A	13.41	1:1	0.013	36.25	
3750.00	650000	Low	bottom	0 mm	NR Band n77	C	Open	100	CW/SRS	N/A	N/A	N/A	13.41	1:1	0.011	36.98	29.68
3750.00	650000	Low	left	0 mm	NR Band n77	C	Open	100	CW/SRS	N/A	N/A	N/A	13.41	1:1	0.052	30.23	

Table A-86
DSI = 0 P_{Limit} Calculations – DTS SISO Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power [dBm]	Duty Cycle (%)	Peak SAR of Area Scan	SAR (10g)	Plimit	Overanl Plimit
MHz	Ch.											W/kg	(W/kg)		
2412	1	back	0 mm	802.11b	DSSS	2	Open	22	1	18.65	98.74	1.490	-	-	
2412	1	front	0 mm	802.11b	DSSS	2	Open	22	1	18.65	98.74	3.420	0.884	23.11	
2412	1	top	0 mm	802.11b	DSSS	2	Open	22	1	18.65	98.74	4.140	0.908	22.99	22.99
2412	1	right	0 mm	802.11b	DSSS	2	Open	22	1	18.65	98.74	0.383	-	-	

Table A-87
DSI = 0 P_{Limit} Calculations – DTS MIMO Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Duty Cycle (%)	Peak SAR of Area Scan	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												W/kg	(W/kg)		
2462	11	back	0 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	3.070	-	-	
2462	11	front	0 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	3.700	1.260	21.80	
2462	11	top	0 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	5.990	1.440	21.22	21.22
2462	11	right	0 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	0.572	-	-	
2462	11	left	0 mm	802.11b	DSSS	MIMO	Open	22	1	18.95	18.87	98.90	3.510	-	-	

Table A-88
DSI = 0 P_{Limit} Calculations –NII MIMO Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Form Factor	Bandwidth [MHz]	Data Rate (Mbps)	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Duty Cycle (%)	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
5260	52	back	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.448	23.07	
5260	52	front	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.442	23.13	
5260	52	top	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.216	26.24	
5260	52	right	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.248	25.64	
5260	52	left	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.72	15.68	98.20	0.586	21.90	
5720	144	back	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.844	20.33	
5720	144	front	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.611	21.73	
5720	144	top	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.433	23.23	20.33
5720	144	right	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.467	22.90	
5720	144	left	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.69	15.86	98.20	0.738	20.91	
5845	169	back	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.460	23.05	
5845	169	front	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.602	21.89	
5845	169	top	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.313	24.73	
5845	169	right	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.322	24.60	
5845	169	left	0 mm	802.11n	OFDM	MIMO	Open	20	13	15.81	15.78	98.20	0.705	21.20	

Table A-89
DSI = 0 P_{Limit} Calculations – 6E WLAN MIMO Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Service	Bandwidth [MHz]	Conducted Power (Ant 1) [dBm]	Conducted Power (Ant 2) [dBm]	Spacing (mm)	Antenna Config.	Peak Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (10g)	Plimit (dBm)	Overall Plimit (dBm)
MHz	Ch.												(W/kg)		
6545.00	119	802.11ax	OFDM	80	11.80	11.25	0	MIMO	2	68.1	Back	99.70	0.159	23.20	19.62
6545.00	119	802.11ax	OFDM	80	11.80	11.25	0	MIMO	1	68.1	Back	99.70	0.084	25.97	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	0	MIMO	1	68.1	Front	99.70	0.109	24.84	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	0	MIMO	2	68.1	Front	99.70	0.092	25.58	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	0	MIMO	-	68.1	Top	99.70	0.106	24.96	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	0	MIMO	-	68.1	Right	99.70	0.099	25.26	
6545.00	119	802.11ax	OFDM	80	11.80	11.25	0	MIMO	-	68.1	Left	99.70	0.144	23.63	
5985.00	7	802.11ax	OFDM	80	11.60	10.70	0	MIMO	1	68.1	Back	99.70	0.274	20.29	
6305.00	71	802.11ax	OFDM	80	11.74	11.17	0	MIMO	1	68.1	Back	99.70	0.356	19.62	
6785.00	167	802.11ax	OFDM	80	11.65	10.98	0	MIMO	1	68.1	Back	99.70	0.034	29.63	
7025.00	215	802.11ax	OFDM	80	11.80	11.22	0	MIMO	1	68.1	Back	99.70	0.193	22.33	

Table A-90
DSI = 0 P_{Limit} Calculations – DSS Phablet SAR

MEASUREMENT RESULTS													
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Form Factor	Data Rate (Mbps)	Conducted Power [dBm]	Duty Cycle (%)	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.										(W/kg)		
2441	39	back	0 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.150	27.48	21.05
2441	39	front	0 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.263	25.04	
2441	39	top	0 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.192	26.40	
2441	39	left	0 mm	Bluetooth	FHSS	1	Open	1	16.40	76.85	0.658	21.05	
2441	39	back	0 mm	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.343	24.23	21.86
2441	39	front	0 mm	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.591	21.86	
2402	0	front	0 mm	Bluetooth LE	DSSS	2	Open	1	18.29	76.90	0.023	37.51	
2441	39	top	0 mm	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.473	22.83	
2441	39	right	0 mm	Bluetooth	FHSS	2	Open	1	16.74	76.90	0.082	30.44	