

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 = 5 P_{Limit} Calculations –GSM 850 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
848.80	251	Right	Cheek	GSM 850	GSM	A+B	31.88	1:8.3	0.059	34.95	34.78
848.80	251	Right	Tilt	GSM 850	GSM	A+B	31.88	1:8.3	0.028	38.27	
848.80	251	Left	Cheek	GSM 850	GSM	A+B	31.88	1:8.3	0.057	35.16	
848.80	251	Left	Tilt	GSM 850	GSM	A+B	31.88	1:8.3	0.036	37.13	
848.80	251	Right	Cheek	GSM 850	GSM	A	31.88	1:8.3	0.062	34.78	
848.80	251	Right	Tilt	GSM 850	GSM	A	31.88	1:8.3	0.025	38.75	
848.80	251	Left	Cheek	GSM 850	GSM	A	31.88	1:8.3	0.054	35.40	
848.80	251	Left	Tilt	GSM 850	GSM	A	31.88	1:8.3	0.033	37.51	

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

MEASUREMENT RESULTS											
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1909.80	810	Right	Cheek	GSM 1900	GSM	B	29.53	1:8.3	0.025	36.35	34.42
1909.80	810	Right	Tilt	GSM 1900	GSM	B	29.53	1:8.3	0.039	34.42	
1909.80	810	Left	Cheek	GSM 1900	GSM	B	29.53	1:8.3	0.037	34.65	
1909.80	810	Left	Tilt	GSM 1900	GSM	B	29.53	1:8.3	0.016	38.29	

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Table A-3
DSI = 5 P_{Limit} Calculations UMTS 850 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
826.40	4132	Right	Cheek	UMTS 850	RMC	A+B	24.84	1:1	0.124	33.91	33.91
826.40	4132	Right	Tilt	UMTS 850	RMC	A+B	24.84	1:1	0.033	39.60	
826.40	4132	Left	Cheek	UMTS 850	RMC	A+B	24.84	1:1	0.075	36.10	
826.40	4132	Left	Tilt	UMTS 850	RMC	A+B	24.84	1:1	0.043	38.56	
826.40	4132	Right	Cheek	UMTS 850	RMC	A	24.84	1:1	0.113	34.31	
826.40	4132	Right	Tilt	UMTS 850	RMC	A	24.84	1:1	0.034	39.59	
826.40	4132	Left	Cheek	UMTS 850	RMC	A	24.84	1:1	0.067	36.60	
826.40	4132	Left	Tilt	UMTS 850	RMC	A	24.84	1:1	0.039	38.95	

Table A-4
DSI = 5 P_{Limit} Calculations UMTS 1750 Head SAR

MEASUREMENT RESULTS											
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1732.40	1412	Right	Cheek	UMTS 1750	RMC	B	24.13	1:1	0.092	34.47	34.47
1732.40	1412	Right	Tilt	UMTS 1750	RMC	B	24.13	1:1	0.065	36.01	
1732.40	1412	Left	Cheek	UMTS 1750	RMC	B	24.13	1:1	0.091	34.53	
1732.40	1412	Left	Tilt	UMTS 1750	RMC	B	24.13	1:1	0.054	36.79	

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

MEASUREMENT RESULTS											
FREQUENCY		Side	Test Position	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1852.40	9262	Right	Cheek	UMTS 1900	RMC	B	24.45	1:1	0.048	37.64	34.96
1852.40	9262	Right	Tilt	UMTS 1900	RMC	B	24.45	1:1	0.089	34.96	
1852.40	9262	Left	Cheek	UMTS 1900	RMC	B	24.45	1:1	0.078	35.53	
1852.40	9262	Left	Tilt	UMTS 1900	RMC	B	24.45	1:1	0.058	36.82	

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Table A-6
DSI = 5 P_{Limit} Calculations LTE Band 12 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	Ch.												(W/kg)		
707.50	23095	Mid	Right	Cheek	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.161	32.84	32.50
707.50	23095	Mid	Right	Cheek	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.135	32.50	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.080	35.90	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.065	35.70	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.100	34.91	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.078	34.86	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.050	37.91	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.040	37.79	
707.50	23095	Mid	Right	Cheek	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.116	34.27	
707.50	23095	Mid	Right	Cheek	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.085	34.51	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.060	37.13	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.044	37.37	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.098	35.00	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.074	35.11	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.052	37.75	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.039	37.89	

Table A-7
DSI = 5 P_{Limit} Calculations LTE Band 13 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	Ch.												(W/kg)		
782.00	23230	Mid	Right	Cheek	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.150	31.41	31.41
782.00	23230	Mid	Right	Cheek	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.112	31.73	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.065	35.05	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.043	35.87	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.109	32.80	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.089	32.71	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.058	35.55	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.051	35.19	
782.00	23230	Mid	Right	Cheek	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.119	32.41	
782.00	23230	Mid	Right	Cheek	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.098	32.32	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.054	35.81	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.041	36.08	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.096	33.37	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.071	33.73	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.047	36.47	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.033	37.07	

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Table A-8
DSI = 5 P_{Limit} Calculations LTE Band 26 (Cell) Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.	Mid												(W/kg)		
831.50	26865	Mid	Right	Cheek	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.128	33.48	33.48
831.50	26865	Mid	Right	Cheek	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.083	34.01	
831.50	26865	Mid	Right	Tilt	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.052	37.43	
831.50	26865	Mid	Right	Tilt	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.030	38.51	
831.50	26865	Mid	Left	Cheek	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.076	35.72	
831.50	26865	Mid	Left	Cheek	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.054	35.88	
831.50	26865	Mid	Left	Tilt	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.044	38.16	
831.50	26865	Mid	Left	Tilt	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.038	37.45	
831.50	26865	Mid	Right	Cheek	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.101	34.51	
831.50	26865	Mid	Right	Cheek	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.072	34.63	
831.50	26865	Mid	Right	Tilt	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.041	38.44	
831.50	26865	Mid	Right	Tilt	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.026	38.99	
831.50	26865	Mid	Left	Cheek	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.077	35.71	
831.50	26865	Mid	Left	Cheek	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.049	36.27	
831.50	26865	Mid	Left	Tilt	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.038	38.75	
831.50	26865	Mid	Left	Tilt	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.035	37.81	

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Table A-9
DSI = 5 P_{Limit} Calculations LTE Band 66 (AWS) Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	W/kg														
1745.00	132322	Mid	Right	Cheek	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.092	34.49	34.30
1745.00	132322	Mid	Right	Cheek	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.072	34.30	
1745.00	132322	Mid	Right	Tilt	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.054	36.81	
1745.00	132322	Mid	Right	Tilt	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.042	36.64	
1745.00	132322	Mid	Left	Cheek	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.074	35.44	
1745.00	132322	Mid	Left	Cheek	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.057	35.31	
1745.00	132322	Mid	Left	Tilt	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.040	38.11	
1745.00	132322	Mid	Left	Tilt	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.029	38.25	
1720.00	132072	Low	Right	Cheek	LTE Band 66 (AWS)	F	20	QPSK	1	50	23.06	0	1:1	0.526	25.85	24.31
1720.00	132072	Low	Right	Cheek	LTE Band 66 (AWS)	F	20	QPSK	50	25	23.08	0	1:1	0.537	25.78	
1720.00	132072	Low	Right	Tilt	LTE Band 66 (AWS)	F	20	QPSK	1	50	23.06	0	1:1	0.701	24.60	
1720.00	132072	Low	Right	Tilt	LTE Band 66 (AWS)	F	20	QPSK	50	25	23.08	0	1:1	0.704	24.60	
1720.00	132072	Low	Left	Cheek	LTE Band 66 (AWS)	F	20	QPSK	1	50	23.06	0	1:1	0.475	26.29	
1720.00	132072	Low	Left	Cheek	LTE Band 66 (AWS)	F	20	QPSK	50	25	23.08	0	1:1	0.454	26.51	
1720.00	132072	Low	Left	Tilt	LTE Band 66 (AWS)	F	20	QPSK	1	50	23.06	0	1:1	0.739	24.37	
1745.00	132322	Mid	Left	Tilt	LTE Band 66 (AWS)	F	20	QPSK	1	50	22.76	0	1:1	0.673	24.48	
1770.00	132572	High	Left	Tilt	LTE Band 66 (AWS)	F	20	QPSK	1	50	22.98	0	1:1	0.662	24.77	
1720.00	132072	Low	Left	Tilt	LTE Band 66 (AWS)	F	20	QPSK	50	25	23.08	0	1:1	0.748	24.34	
1745.00	132322	Mid	Left	Tilt	LTE Band 66 (AWS)	F	20	QPSK	50	25	22.77	0	1:1	0.673	24.49	
1770.00	132572	High	Left	Tilt	LTE Band 66 (AWS)	F	20	QPSK	50	25	22.94	0	1:1	0.654	24.78	
1720.00	132072	Low	Left	Tilt	LTE Band 66 (AWS)	F	20	QPSK	100	0	22.87	0	1:1	0.717	24.31	

Table A-10
DSI = 5 P_{Limit} Calculations LTE Band 25 (PCS) Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	W/kg														
1860.00	26140	Low	Right	Cheek	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.047	37.20	35.15
1860.00	26140	Low	Right	Cheek	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.038	36.98	
1860.00	26140	Low	Right	Tilt	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.071	35.41	
1860.00	26140	Low	Right	Tilt	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.058	35.15	
1860.00	26140	Low	Left	Cheek	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.068	35.59	
1860.00	26140	Low	Left	Cheek	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.056	35.30	
1860.00	26140	Low	Left	Tilt	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.047	37.20	
1860.00	26140	Low	Left	Tilt	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.034	37.47	

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Table A-11
DSI = 5 P_{Limit} Calculations LTE Band 41 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	High												(W/kg)		
2680.00	41490	High	Right	Cheek	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.035	34.47	34.47
2680.00	41490	High	Right	Cheek	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.032	34.78	
2680.00	41490	High	Right	Tilt	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.012	39.03	
2680.00	41490	High	Right	Tilt	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.007	41.45	
2680.00	41490	High	Left	Cheek	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.020	36.85	
2680.00	41490	High	Left	Cheek	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.016	37.79	
2680.00	41490	High	Left	Tilt	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.020	36.76	
2680.00	41490	High	Left	Tilt	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.020	36.90	

Table A-12
DSI = 5 P_{Limit} Calculations NR Band n12 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	Mid												(W/kg)		
707.50	141500	Mid	Right	Cheek	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.125	32.65	32.57
707.50	141500	Mid	Right	Cheek	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.127	32.57	
707.50	141500	Mid	Right	Cheek	NR Band n12	A+B	15	CP-OFDM	QPSK	1	1	21.90	1:1	0.080	32.87	
707.50	141500	Mid	Right	Tilt	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.059	35.91	
707.50	141500	Mid	Right	Tilt	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.057	36.05	
707.50	141500	Mid	Left	Cheek	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.102	33.53	
707.50	141500	Mid	Left	Cheek	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.098	33.70	
707.50	141500	Mid	Left	Tilt	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.053	36.38	
707.50	141500	Mid	Left	Tilt	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.049	36.71	
707.50	141500	Mid	Right	Cheek	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.080	34.59	
707.50	141500	Mid	Right	Cheek	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.081	34.53	
707.50	141500	Mid	Right	Cheek	NR Band n12	A	15	CP-OFDM	QPSK	1	1	21.90	1:1	0.052	34.74	
707.50	141500	Mid	Right	Tilt	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.034	38.31	
707.50	141500	Mid	Right	Tilt	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.037	37.93	
707.50	141500	Mid	Left	Cheek	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.066	35.42	
707.50	141500	Mid	Left	Cheek	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.062	35.69	
707.50	141500	Mid	Left	Tilt	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.035	38.18	
707.50	141500	Mid	Left	Tilt	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.031	38.70	

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Table A-13
DSI = 5 P_{Limit} Calculations NR Band n5 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	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 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.068	35.80	34.13
836.50	167300	Mid	Right	Cheek	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.071	35.59	
836.50	167300	Mid	Right	Tilt	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.042	37.90	
836.50	167300	Mid	Right	Tilt	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.045	37.57	
836.50	167300	Mid	Left	Cheek	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.075	35.38	
836.50	167300	Mid	Left	Cheek	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.074	35.41	
836.50	167300	Mid	Left	Cheek	NR Band n5 (Cell)	A+B	20	CP-OFDM	QPSK	1	1	22.47	1:1	0.052	35.31	
836.50	167300	Mid	Left	Tilt	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.050	37.14	
836.50	167300	Mid	Left	Tilt	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.051	37.02	
836.50	167300	Mid	Right	Cheek	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.100	34.13	
836.50	167300	Mid	Right	Cheek	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.096	34.28	
836.50	167300	Mid	Right	Cheek	NR Band n5 (Cell)	A	20	CP-OFDM	QPSK	1	1	22.47	1:1	0.068	34.14	
836.50	167300	Mid	Right	Tilt	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.038	38.33	
836.50	167300	Mid	Right	Tilt	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.038	38.30	
836.50	167300	Mid	Left	Cheek	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.078	35.21	
836.50	167300	Mid	Left	Cheek	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.079	35.12	
836.50	167300	Mid	Left	Tilt	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.043	37.80	
836.50	167300	Mid	Left	Tilt	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.043	37.77	

Table A-14
DSI = 5 P_{Limit} Calculations NR Band n66 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
1720.00	344000	Low	Right	Cheek	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.068	35.85	34.73
1720.00	344000	Low	Right	Cheek	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.077	34.73	
1720.00	344000	Low	Right	Cheek	NR Band n66 (AWS)	B	20	CP-OFDM	QPSK	1	1	22.39	1:1	0.050	35.40	
1720.00	344000	Low	Right	Tilt	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.063	36.19	
1720.00	344000	Low	Right	Tilt	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.076	34.78	
1720.00	344000	Low	Left	Cheek	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.081	35.10	
1720.00	344000	Low	Left	Cheek	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.064	35.53	
1720.00	344000	Low	Left	Tilt	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.043	37.85	
1720.00	344000	Low	Left	Tilt	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.046	36.96	
1770.00	354000	High	Right	Cheek	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	22.57	1:1	0.482	25.74	23.98
1770.00	354000	High	Right	Cheek	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	22.62	1:1	0.479	25.82	
1770.00	354000	High	Right	Tilt	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	22.57	1:1	0.596	24.82	
1770.00	354000	High	Right	Tilt	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	22.62	1:1	0.613	24.75	
1770.00	354000	High	Left	Cheek	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	22.57	1:1	0.417	26.37	
1770.00	354000	High	Left	Cheek	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	22.62	1:1	0.405	26.55	
1720.00	344000	Low	Left	Tilt	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	22.18	1:1	0.661	23.98	
1745.00	349000	Mid	Left	Tilt	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	22.37	1:1	0.648	24.25	
1770.00	354000	High	Left	Tilt	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	22.57	1:1	0.621	24.64	
1770.00	354000	High	Left	Tilt	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	22.62	1:1	0.621	24.69	
1770.00	354000	High	Left	Tilt	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	21.89	1:1	0.573	24.31	

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Table A-15
DSI = 5 P_{Limit} Calculations NR Band n25 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	Low												(W/kg)		
1860.00	372000	Low	Right	Cheek	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.053	36.11	34.37
1860.00	372000	Low	Right	Cheek	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.056	36.00	
1860.00	372000	Low	Right	Tilt	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.079	34.37	
1860.00	372000	Low	Right	Tilt	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.078	34.56	
1860.00	372000	Low	Right	Tilt	NR Band n25 (PCS)	B	20	CP-OFDM	QPSK	1	1	21.87	1:1	0.054	34.55	
1860.00	372000	Low	Left	Cheek	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.058	35.72	
1860.00	372000	Low	Left	Cheek	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.076	34.67	
1860.00	372000	Low	Left	Tilt	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.032	38.30	
1860.00	372000	Low	Left	Tilt	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.035	38.04	

Table A-16
DSI = 5 P_{Limit} Calculations NR Band n41 Head SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Test Position	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	Mid												(W/kg)		
2592.99	518598	Mid	Right	Cheek	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.204	25.30	23.85
2592.99	518598	Mid	Right	Cheek	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.166	26.17	
2592.99	518598	Mid	Right	Tilt	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.259	24.27	
2592.99	518598	Mid	Right	Tilt	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.211	25.13	
2592.99	518598	Mid	Left	Cheek	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.177	25.92	
2592.99	518598	Mid	Left	Cheek	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.155	26.47	
2592.99	518598	Mid	Left	Tilt	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.285	23.85	
2592.99	518598	Mid	Left	Tilt	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.214	25.07	
2592.99	518598	Mid	Left	Tilt	NR Band n41	F	100	CP-OFDM	QPSK	1	1	18.20	1:1	0.227	24.64	
2592.99	518598	Mid	Right	Cheek	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.011	34.27	33.22
2592.99	518598	Mid	Right	Tilt	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.014	33.22	
2592.99	518598	Mid	Left	Cheek	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.005	37.69	
2592.99	518598	Mid	Left	Tilt	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.008	35.65	
2592.99	518598	Mid	Right	Cheek	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.005	38.03	38.03
2592.99	518598	Mid	Right	Tilt	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.005	38.03	
2592.99	518598	Mid	Left	Cheek	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.001	45.02	
2592.99	518598	Mid	Left	Tilt	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.001	45.02	
2592.99	518598	Mid	Right	Cheek	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.001	40.85	33.07
2592.99	518598	Mid	Right	Tilt	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.003	36.08	
2592.99	518598	Mid	Left	Cheek	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.006	33.07	
2592.99	518598	Mid	Left	Tilt	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.000	50.85	

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Table A-17
DSI = 5 P_{Limit} Calculations NR Band n77 Head SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Test Position	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
Mhz	Ch.												(W/kg)			
3500.01	633334	Md	Right	Cheek	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.192	25.22	23.26
3500.01	633334	Md	Right	Cheek	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.186	25.11	
3500.01	633334	Md	Right	Tilt	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.240	24.25	
3500.01	633334	Md	Right	Tilt	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.241	23.99	
3500.01	633334	Md	Left	Cheek	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.211	24.81	
3500.01	633334	Md	Left	Cheek	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.201	24.78	
3500.01	633334	Md	Left	Tilt	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.265	23.82	
3500.01	633334	Md	Left	Tilt	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.257	23.71	
3500.01	633334	Md	Left	Tilt	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1:1	0.275	23.26	
3500.01	633334	Md	Right	Cheek	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.128	25.85	
3500.01	633334	Md	Right	Cheek	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.097	27.04	
3500.01	633334	Md	Right	Tilt	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.190	24.13	
3500.01	633334	Md	Right	Tilt	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.146	25.27	
3500.01	633334	Md	Left	Cheek	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.458	20.31	
3500.01	633334	Md	Left	Cheek	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.393	20.97	
3500.01	633334	Md	Left	Cheek	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	270	0	16.88	1:1	0.351	21.43	
3500.01	633334	Md	Left	Cheek	NR Band n77 DoD	E	100	CP-OFDM	QPSK	1	1	16.79	1:1	0.503	19.77	
3500.01	633334	Md	Left	Tilt	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.450	20.39	
3500.01	633334	Md	Left	Tilt	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.352	21.44	
3500.01	633334	Md	Left	Tilt	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	270	0	16.88	1:1	0.323	21.79	
3500.01	633334	Md	Right	Cheek	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.000	54.30	
3500.01	633334	Md	Right	Tilt	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.000	54.30	
3500.01	633334	Md	Left	Cheek	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.000	54.30	
3500.01	633334	Md	Left	Tilt	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.002	41.29	
3500.01	633334	Md	Right	Cheek	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.000	55.77	
3500.01	633334	Md	Right	Tilt	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.000	55.77	
3500.01	633334	Md	Left	Cheek	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.005	38.78	
3500.01	633334	Md	Left	Tilt	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.000	55.77	
3930.00	662000	High	Right	Cheek	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.247	24.55	
3930.00	662000	High	Right	Cheek	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.227	24.86	
3930.00	662000	High	Right	Tilt	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.269	24.18	
3930.00	662000	High	Right	Tilt	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.243	24.56	
3930.00	662000	High	Right	Tilt	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1:1	0.253	23.82	
3930.00	662000	High	Left	Cheek	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.125	27.51	
3930.00	662000	High	Left	Cheek	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.117	27.74	
3930.00	662000	High	Left	Tilt	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.175	26.05	
3930.00	662000	High	Left	Tilt	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.151	26.63	
3930.00	662000	High	Right	Cheek	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.204	24.48	
3930.00	662000	High	Right	Cheek	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.202	24.43	
3930.00	662000	High	Right	Tilt	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.309	22.68	
3930.00	662000	High	Right	Tilt	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.299	22.72	
3930.00	662000	High	Right	Tilt	NR Band n77	E	100	CP-OFDM	QPSK	1	1	17.10	1:1	0.270	22.79	
3930.00	662000	High	Left	Cheek	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.212	24.32	
3930.00	662000	High	Left	Cheek	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.205	24.36	
3930.00	662000	High	Left	Tilt	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.281	23.09	
3930.00	662000	High	Left	Tilt	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.282	22.98	
3930.00	662000	High	Right	Cheek	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.001	45.80	
3930.00	662000	High	Right	Tilt	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.000	55.80	
3930.00	662000	High	Left	Cheek	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.000	55.80	
3930.00	662000	High	Left	Tilt	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.002	42.79	
3750.00	650000	Low	Right	Cheek	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.006	36.87	
3750.00	650000	Low	Right	Tilt	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.000	54.65	
3750.00	650000	Low	Left	Cheek	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.000	54.65	
3750.00	650000	Low	Left	Tilt	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.000	54.65	

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Table A-18
DSI = 1 P_{Limit} Calculations – GSM Body-Worn SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
848.80	251	back	15 mm	GSM 850	GSM	A+B	1	31.88	1:8.3	0.095	32.89	32.89
848.80	251	back	15 mm	GSM 850	GSM	A	1	31.88	1:8.3	0.093	33.00	
1909.80	810	back	15 mm	GSM 1900	GSM	B	1	29.53	1:8.3	0.142	28.81	28.81

Table A-19
DSI = 1 P_{Limit} Calculations – UMTS Body-Worn SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.								(W/kg)			
826.40	4132	back	15 mm	UMTS 850	RMC	A+B	24.84	1:1	0.137	33.47	33.14	
826.40	4132	back	15 mm	UMTS 850	RMC	A	24.84	1:1	0.148	33.14		
1712.40	1312	back	15 mm	UMTS 1750	RMC	B	24.08	1:1	0.747	25.35	25.35	
1732.40	1412	back	15 mm	UMTS 1750	RMC	B	24.13	1:1	0.661	25.93		
1752.60	1513	back	15 mm	UMTS 1750	RMC	B	24.07	1:1	0.558	26.60		
1852.40	9262	back	15 mm	UMTS 1900	RMC	B	24.45	1:1	0.402	28.41	28.41	

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Table A-20
DSI = 1 P_{Limit} Calculations – LTE Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	23095	Mid	back	15 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.219	31.51	31.51
707.50	23095	Mid	back	15 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.158	31.81	
707.50	23095	Mid	back	15 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.145	33.30	
707.50	23095	Mid	back	15 mm	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.105	33.59	
782.00	23230	Mid	back	15 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.149	31.44	31.44
782.00	23230	Mid	back	15 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.118	31.50	
782.00	23230	Mid	back	15 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.111	32.72	
782.00	23230	Mid	back	15 mm	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.088	32.77	
831.50	26865	Mid	back	15 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.109	34.18	33.54
831.50	26865	Mid	back	15 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.093	33.54	
831.50	26865	Mid	back	15 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.103	34.42	
831.50	26865	Mid	back	15 mm	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.088	33.77	
1745.00	132322	Mid	back	15 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.467	27.44	27.06
1745.00	132322	Mid	back	15 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.381	27.06	
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	F	20	QPSK	1	50	18.20	0	1:1	0.122	27.34	27.32
1770.00	132572	High	back	15 mm	LTE Band 66 (AWS)	F	20	QPSK	50	25	18.25	0	1:1	0.124	27.32	
1860.00	26140	Low	back	15 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.368	28.26	28.14
1860.00	26140	Low	back	15 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.291	28.14	
2680.00	41490	High	back	15 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.279	25.40	25.40
2680.00	41490	High	back	15 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.273	25.52	

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Table A-21
DSI = 1 P_{Limit} Calculations – NR Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	141500	Mid	back	15 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.157	31.66	31.18
707.50	141500	Mid	back	15 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.168	31.36	
707.50	141500	Mid	back	15 mm	NR Band n12	A+B	15	CP-OFDM	QPSK	1	1	21.90	1:1	0.118	31.18	
707.50	141500	Mid	back	15 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.114	33.05	
707.50	141500	Mid	back	15 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.119	32.85	
707.50	141500	Mid	back	15 mm	NR Band n12	A	15	CP-OFDM	QPSK	1	1	21.90	1:1	0.076	33.09	
836.50	167300	Mid	back	15 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.109	33.76	33.61
836.50	167300	Mid	back	15 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.112	33.61	
836.50	167300	Mid	back	15 mm	NR Band n5 (Cell)	A+B	20	CP-OFDM	QPSK	1	1	22.47	1:1	0.072	33.90	
836.50	167300	Mid	back	15 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.090	34.59	
836.50	167300	Mid	back	15 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.092	34.46	
836.50	167300	Mid	back	15 mm	NR Band n5 (Cell)	A	20	CP-OFDM	QPSK	1	1	22.47	1:1	0.054	35.15	
1720.00	344000	Low	back	15 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.477	27.39	26.83
1720.00	344000	Low	back	15 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.474	26.83	
1720.00	344000	Low	back	15 mm	NR Band n66 (AWS)	B	20	CP-OFDM	QPSK	1	1	22.39	1:1	0.345	27.01	
1770.00	354000	High	back	15 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.105	29.24	29.03
1770.00	354000	High	back	15 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.102	29.37	
1770.00	354000	High	back	15 mm	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	19.48	1:1	0.111	29.03	
1860.00	372000	Low	back	15 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.245	29.46	29.25
1860.00	372000	Low	back	15 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.262	29.30	
1860.00	372000	Low	back	15 mm	NR Band n25 (PCS)	B	20	CP-OFDM	QPSK	1	1	21.87	1:1	0.183	29.25	

Table A-22
DSI = 1 P_{Limit} Calculations – NR Band 41 Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	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	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.063	30.41	29.81
2592.99	518598	Mid	back	15 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.065	30.24	
2592.99	518598	Mid	back	15 mm	NR Band n41	F	100	CP-OFDM	QPSK	1	1	18.20	1:1	0.069	29.81	
2592.99	518598	Mid	back	15 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.041	28.55	
2592.99	518598	Mid	back	15 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.008	35.99	
2592.99	518598	Mid	back	15 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.005	33.86	

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Table A-23
DSI = 1 P_{Limit} Calculations – NR Band 77 Body-Worn SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.144	26.47	26.26
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.143	26.26	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1:1	0.136	26.31	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.050	29.93	29.80
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.047	30.19	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	E	100	CP-OFDM	QPSK	1	1	16.79	1:1	0.050	29.80	
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	NA	NA	14.30	1:1	0.006	36.52	36.52
3500.01	633334	Mid	back	15 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	NA	NA	15.77	1:1	0.026	31.62	31.62
3930.00	662000	High	back	15 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.119	27.72	24.69
3930.00	662000	High	back	15 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.197	25.48	
3930.00	662000	High	back	15 mm	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1:1	0.207	24.69	
3930.00	662000	High	back	15 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.165	25.41	25.31
3930.00	662000	High	back	15 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.163	25.36	
3930.00	662000	High	back	15 mm	NR Band n77	E	100	CP-OFDM	QPSK	1	1	17.10	1:1	0.151	25.31	
3930.00	662000	High	back	15 mm	NR Band n77	G	100	CW/SRS	N/A	NA	NA	15.80	1:1	0.035	30.36	30.36
3750.00	650000	Low	back	15 mm	NR Band n77	D	100	CW/SRS	N/A	NA	NA	14.65	1:1	0.018	32.10	32.10

Table A-24
DSI = 7 P_{Limit} Calculations – GPRS Hotspot SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
824.20	128	back	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.239	31.89	31.76
824.20	128	front	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.073	37.05	
824.20	128	bottom	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.074	37.00	
824.20	128	right	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.151	33.88	
824.20	128	left	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.068	37.37	
824.20	128	back	10 mm	GSM 850	GPRS	A	3	30.10	1:2.76	0.246	31.76	
824.20	128	front	10 mm	GSM 850	GPRS	A	3	30.10	1:2.76	0.066	37.51	
824.20	128	bottom	10 mm	GSM 850	GPRS	A	3	30.10	1:2.76	0.093	35.97	
824.20	128	right	10 mm	GSM 850	GPRS	A	3	30.10	1:2.76	0.162	33.57	
1909.80	810	back	10 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.118	26.16	22.39
1909.80	810	front	10 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.049	29.98	
1909.80	810	bottom	10 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.281	22.39	
1909.80	810	right	10 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.039	30.97	
1909.80	810	left	10 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.017	34.57	

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Table A-25
DSI = 7 P_{Limit} Calculations – UMTS Hotspot SAR Data

MEASUREMENT RESULTS											
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
826.40	4132	back	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.269	30.54	30.23
826.40	4132	front	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.085	35.55	
826.40	4132	bottom	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.070	36.39	
826.40	4132	right	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.185	32.17	
826.40	4132	left	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.066	36.63	
826.40	4132	back	10 mm	UMTS 850	RMC	A	24.84	1:1	0.289	30.23	
826.40	4132	front	10 mm	UMTS 850	RMC	A	24.84	1:1	0.060	37.07	
826.40	4132	bottom	10 mm	UMTS 850	RMC	A	24.84	1:1	0.069	36.45	
826.40	4132	right	10 mm	UMTS 850	RMC	A	24.84	1:1	0.168	32.59	
826.40	4132	left	10 mm	UMTS 850	RMC	A	24.84	1:1	0.168	32.59	
1712.40	1312	back	10 mm	UMTS 1750	RMC	B	18.22	1:1	0.412	22.07	20.53
1712.40	1312	front	10 mm	UMTS 1750	RMC	B	18.22	1:1	0.126	27.22	
1712.40	1312	bottom	10 mm	UMTS 1750	RMC	B	18.22	1:1	0.588	20.53	
1732.40	1412	bottom	10 mm	UMTS 1750	RMC	B	18.16	1:1	0.539	20.84	
1752.60	1513	bottom	10 mm	UMTS 1750	RMC	B	18.20	1:1	0.451	21.66	
1712.40	1312	right	10 mm	UMTS 1750	RMC	B	18.22	1:1	0.119	27.46	
1712.40	1312	left	10 mm	UMTS 1750	RMC	B	18.22	1:1	0.055	30.82	
1852.40	9262	back	10 mm	UMTS 1900	RMC	B	18.15	1:1	0.217	24.79	22.42
1852.40	9262	front	10 mm	UMTS 1900	RMC	B	18.15	1:1	0.077	29.29	
1852.40	9262	bottom	10 mm	UMTS 1900	RMC	B	18.15	1:1	0.374	22.42	
1852.40	9262	right	10 mm	UMTS 1900	RMC	B	18.15	1:1	0.054	30.83	
1852.40	9262	left	10 mm	UMTS 1900	RMC	B	18.15	1:1	0.033	32.96	

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Table A-26
DSI = 7 P_{Limit} Calculations – LTE Band 12 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	PIlimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	23095	Mid	back	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.311	29.98	29.48
707.50	23095	Mid	back	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.240	30.00	
707.50	23095	Mid	front	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.150	33.15	
707.50	23095	Mid	front	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.116	33.16	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.090	35.39	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.062	35.91	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.349	29.48	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.246	29.89	
707.50	23095	Mid	left	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.146	33.27	
707.50	23095	Mid	left	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.111	33.35	
707.50	23095	Mid	back	10 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.205	31.79	
707.50	23095	Mid	back	10 mm	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.158	31.81	
707.50	23095	Mid	front	10 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.099	34.98	
707.50	23095	Mid	front	10 mm	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.076	34.98	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.081	35.84	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.061	35.92	
707.50	23095	Mid	right	10 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.252	30.90	
707.50	23095	Mid	right	10 mm	LTE Band 12	A	10	QPSK	25	12	23.80	1	1:1	0.187	31.08	

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Table A-27
DSI = 7 P_{Limit} Calculations – LTE Band 13 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	PIlimit	Overall Plimit
MHz	Ch.	(W/kg)														
782.00	23230	Mid	back	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.230	29.55	29.55
782.00	23230	Mid	back	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.183	29.60	
782.00	23230	Mid	front	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.128	32.10	
782.00	23230	Mid	front	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.100	32.23	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.060	35.38	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.049	35.33	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.204	30.07	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.173	29.84	
782.00	23230	Mid	left	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.091	33.57	
782.00	23230	Mid	left	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.069	33.84	
782.00	23230	Mid	back	10 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.206	30.03	
782.00	23230	Mid	back	10 mm	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.164	30.07	
782.00	23230	Mid	front	10 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.108	32.84	
782.00	23230	Mid	front	10 mm	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.086	32.89	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.098	33.25	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.080	33.21	
782.00	23230	Mid	right	10 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.209	29.97	
782.00	23230	Mid	right	10 mm	LTE Band 13	A	10	QPSK	25	12	22.22	1	1:1	0.166	30.02	

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Table A-28
DSI = 7 P_{Limit} Calculations – LTE Band 26 (Cell) Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
831.50	26865	Mid	back	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.229	30.95	30.33
831.50	26865	Mid	back	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.194	30.33	
831.50	26865	Mid	front	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.122	33.69	
831.50	26865	Mid	front	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.084	33.98	
831.50	26865	Mid	bottom	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.053	37.31	
831.50	26865	Mid	bottom	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.039	37.29	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.195	31.65	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.150	31.45	
831.50	26865	Mid	left	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.084	35.32	
831.50	26865	Mid	left	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.057	35.64	
831.50	26865	Mid	back	10 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.223	31.07	
831.50	26865	Mid	back	10 mm	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.190	30.42	
831.50	26865	Mid	front	10 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.079	35.58	
831.50	26865	Mid	front	10 mm	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.054	35.85	
831.50	26865	Mid	bottom	10 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.082	35.44	
831.50	26865	Mid	bottom	10 mm	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.057	35.68	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.196	31.63	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A	15	QPSK	36	37	23.21	1	1:1	0.139	31.78	

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Table A-29
DSI = 7 P_{Limit} Calculations – LTE Band 66 (AWS) Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1745.00	132322	Mid	back	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.270	23.85	21.39
1745.00	132322	Mid	back	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.264	23.83	
1745.00	132322	Mid	front	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.107	27.87	
1745.00	132322	Mid	front	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.106	27.80	
1745.00	132322	Mid	bottom	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.467	21.47	
1745.00	132322	Mid	bottom	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.463	21.39	
1745.00	132322	Mid	right	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.100	28.16	
1745.00	132322	Mid	right	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.099	28.09	
1745.00	132322	Mid	left	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.042	31.93	
1745.00	132322	Mid	left	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.042	31.82	
1770.00	132572	High	back	10 mm	LTE Band 66 (AWS)	F	20	QPSK	1	50	18.20	0	1:1	0.250	24.22	20.47
1770.00	132572	High	back	10 mm	LTE Band 66 (AWS)	F	20	QPSK	50	25	18.25	0	1:1	0.253	24.22	
1770.00	132572	High	front	10 mm	LTE Band 66 (AWS)	F	20	QPSK	1	50	18.20	0	1:1	0.077	29.34	
1770.00	132572	High	front	10 mm	LTE Band 66 (AWS)	F	20	QPSK	50	25	18.25	0	1:1	0.080	29.22	
1770.00	132572	High	top	10 mm	LTE Band 66 (AWS)	F	20	QPSK	1	50	18.20	0	1:1	0.496	21.25	
1720.00	132072	Low	top	10 mm	LTE Band 66 (AWS)	F	20	QPSK	50	25	17.94	0	1:1	0.558	20.47	
1745.00	132322	Mid	top	10 mm	LTE Band 66 (AWS)	F	20	QPSK	50	25	17.99	0	1:1	0.527	20.77	
1770.00	132572	High	top	10 mm	LTE Band 66 (AWS)	F	20	QPSK	50	25	18.25	0	1:1	0.509	21.18	
1770.00	132572	High	left	10 mm	LTE Band 66 (AWS)	F	20	QPSK	1	50	18.20	0	1:1	0.074	29.51	
1770.00	132572	High	left	10 mm	LTE Band 66 (AWS)	F	20	QPSK	50	25	18.25	0	1:1	0.075	29.50	

Table A-30
DSI = 7 P_{Limit} Calculations – LTE Band 25 (PCS) Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1882.50	26365	Mid	back	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.214	24.73	21.23
1882.50	26365	Mid	back	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.215	24.51	
1882.50	26365	Mid	front	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.094	28.30	
1882.50	26365	Mid	front	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.089	28.34	
1882.50	26365	Mid	bottom	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.479	21.23	
1882.50	26365	Mid	bottom	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.444	21.36	
1882.50	26365	Mid	right	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.064	29.97	
1882.50	26365	Mid	right	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.065	29.70	
1882.50	26365	Mid	left	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.042	31.80	
1882.50	26365	Mid	left	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.036	32.27	

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Table A-31
DSI = 7 P_{Limit} Calculations – LTE Band 41 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2680.00	41490	High	back	10 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.204	23.00	20.21
2680.00	41490	High	back	10 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.202	22.87	
2680.00	41490	High	front	10 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.080	27.07	
2680.00	41490	High	front	10 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.080	26.90	
2680.00	41490	High	bottom	10 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.378	20.32	
2680.00	41490	High	bottom	10 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.373	20.21	
2680.00	41490	High	right	10 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.073	27.46	
2680.00	41490	High	right	10 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.066	27.73	
2680.00	41490	High	left	10 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.018	33.54	
2680.00	41490	High	left	10 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.018	33.37	

Table A-32
DSI = 7 P_{Limit} Calculations – NR Band n12 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	141500	Mid	back	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.237	29.87	29.63
707.50	141500	Mid	back	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.250	29.63	
707.50	141500	Mid	back	10 mm	NR Band n12	A+B	15	CP-OFDM	QPSK	1	1	21.90	1:1	0.140	30.44	
707.50	141500	Mid	front	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.110	33.21	
707.50	141500	Mid	front	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.115	33.00	
707.50	141500	Mid	bottom	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.058	35.99	
707.50	141500	Mid	bottom	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.061	35.76	
707.50	141500	Mid	right	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.216	30.28	
707.50	141500	Mid	right	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.236	29.88	
707.50	141500	Mid	left	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.115	33.01	
707.50	141500	Mid	left	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.115	33.00	
707.50	141500	Mid	back	10 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.188	30.88	
707.50	141500	Mid	back	10 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.177	31.13	
707.50	141500	Mid	front	10 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.081	34.54	
707.50	141500	Mid	front	10 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.086	34.27	
707.50	141500	Mid	bottom	10 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.066	35.42	
707.50	141500	Mid	bottom	10 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.068	35.28	
707.50	141500	Mid	right	10 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.197	30.68	
707.50	141500	Mid	right	10 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.206	30.47	
707.50	141500	Mid	right	10 mm	NR Band n12	A	15	CP-OFDM	QPSK	1	1	21.90	1:1	0.143	30.35	

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Table A-33
DSI = 7 P_{Limit} Calculations – NR Band n5 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	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 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.191	31.32	30.68
836.50	167300	Mid	back	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.200	31.09	
836.50	167300	Mid	front	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.101	34.09	
836.50	167300	Mid	front	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.109	33.73	
836.50	167300	Mid	bottom	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.046	37.50	
836.50	167300	Mid	bottom	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.049	37.20	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.204	31.03	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.217	30.74	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A+B	20	CP-OFDM	QPSK	1	1	22.47	1:1	0.151	30.68	
836.50	167300	Mid	left	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.093	34.45	
836.50	167300	Mid	left	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.097	34.23	
836.50	167300	Mid	back	10 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.188	31.39	
836.50	167300	Mid	back	10 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.196	31.18	
836.50	167300	Mid	back	10 mm	NR Band n5 (Cell)	A	20	CP-OFDM	QPSK	1	1	22.47	1:1	0.118	31.75	
836.50	167300	Mid	front	10 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.075	35.38	
836.50	167300	Mid	front	10 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.079	35.12	
836.50	167300	Mid	bottom	10 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.072	35.56	
836.50	167300	Mid	bottom	10 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.074	35.41	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.184	31.48	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.194	31.22	

Table A-34
DSI = 7 P_{Limit} Calculations – NR Band n66 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	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 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.230	25.28	22.63
1745.00	349000	Mid	back	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.241	25.13	
1745.00	349000	Mid	front	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.069	30.51	
1745.00	349000	Mid	front	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.075	30.20	
1745.00	349000	Mid	bottom	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.395	22.93	
1745.00	349000	Mid	bottom	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.417	22.75	
1745.00	349000	Mid	bottom	10 mm	NR Band n66 (AWS)	B	20	CP-OFDM	QPSK	1	1	18.90	1:1	0.424	22.63	
1745.00	349000	Mid	right	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.067	30.64	
1745.00	349000	Mid	right	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.070	30.50	
1745.00	349000	Mid	left	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.033	33.71	
1745.00	349000	Mid	left	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.035	33.51	
1770.00	354000	High	back	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.197	26.51	22.30
1770.00	354000	High	back	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.202	26.41	
1770.00	354000	High	front	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.079	30.47	
1770.00	354000	High	front	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.083	30.27	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.456	22.86	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.477	22.67	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	19.48	1:1	0.523	22.30	
1770.00	354000	High	left	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.070	31.00	
1770.00	354000	High	left	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.072	30.89	

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Table A-35
DSI = 7 P_{Limit} Calculations – NR Band n25 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1905.00	381000	High	back	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.190	25.35	21.78
1905.00	381000	High	back	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.190	25.40	
1905.00	381000	High	front	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.092	28.50	
1905.00	381000	High	front	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.092	28.55	
1905.00	381000	High	bottom	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.419	21.92	
1905.00	381000	High	bottom	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.421	21.95	
1905.00	381000	High	bottom	10 mm	NR Band n25 (PCS)	B	20	CP-OFDM	QPSK	1	1	18.04	1:1	0.423	21.78	
1905.00	381000	High	right	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.063	30.15	
1905.00	381000	High	right	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.058	30.56	
1905.00	381000	High	left	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.039	32.23	
1905.00	381000	High	left	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.039	32.28	

Table A-36
DSI = 7 P_{Limit} Calculations – NR Band n41 Hotspot SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	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	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.138	27.00	25.02
2592.99	518598	Mid	back	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.143	26.82	
2592.99	518598	Mid	front	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.056	30.92	
2592.99	518598	Mid	front	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.057	30.81	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.218	25.02	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.190	25.58	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	CP-OFDM	QPSK	1	1	18.20	1:1	0.197	25.26	
2592.99	518598	Mid	left	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.046	31.77	
2592.99	518598	Mid	left	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.045	31.84	
2592.99	518598	Mid	back	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.089	25.19	
2592.99	518598	Mid	front	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.045	28.15	
2592.99	518598	Mid	bottom	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.210	21.46	
2592.99	518598	Mid	right	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.037	29.00	
2592.99	518598	Mid	left	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.011	34.27	
2592.99	518598	Mid	back	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.016	32.98	32.98
2592.99	518598	Mid	front	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.002	42.01	
2592.99	518598	Mid	top	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.004	39.00	
2592.99	518598	Mid	right	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.008	35.99	
2592.99	518598	Mid	back	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.009	31.31	30.06
2592.99	518598	Mid	front	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.000	50.85	
2592.99	518598	Mid	bottom	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.012	30.06	
2592.99	518598	Mid	left	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.002	37.84	

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Table A-37
DSI = 7 P_{Limit} Calculations – NR Band n77 Hotspot SAR

MEASUREMENT RESULTS															Overall P _{limit}													
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	P _{limit}														
MHz	Ch.												(W/kg)															
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.390	22.14	21.92												
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.388	21.92		21.92											
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1:1	0.324	22.54			21.92										
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.079	29.07				21.92									
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.080	28.78					21.92								
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.130	26.91						21.92							
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.131	26.64							21.92						
3500.01	633334	Mid	left	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.093	28.37								21.92					
3500.01	633334	Mid	left	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.092	28.17									21.92				
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.095	27.14										24.56			
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.086	27.57											24.56		
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.060	29.14												24.56	
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.051	29.83													24.56
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.170	24.62													
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.150	25.15	24.56												
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	E	100	CP-OFDM	QPSK	1	1	16.79	1:1	0.167	24.56		24.56											
3500.01	633334	Mid	right	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.117	26.24			24.56										
3500.01	633334	Mid	right	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.107	26.62				24.56									
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	G	100	CW/SRS	NA	N/A	N/A	14.30	1:1	0.012	33.51					29.11								
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	G	100	CW/SRS	NA	N/A	N/A	14.30	1:1	0.005	37.31						29.11							
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	G	100	CW/SRS	NA	N/A	N/A	14.30	1:1	0.033	29.11							29.11						
3500.01	633334	Mid	right	10 mm	NR Band n77 DoD	G	100	CW/SRS	NA	N/A	N/A	14.30	1:1	0.000	54.30								29.11					
3500.01	633334	Mid	left	10 mm	NR Band n77 DoD	G	100	CW/SRS	NA	N/A	N/A	14.30	1:1	0.000	54.30					29.11								
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	D	100	CW/SRS	NA	N/A	N/A	15.77	1:1	0.046	29.14						26.13							
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	D	100	CW/SRS	NA	N/A	N/A	15.77	1:1	0.006	37.99							26.13						
3500.01	633334	Mid	bottom	10 mm	NR Band n77 DoD	D	100	CW/SRS	NA	N/A	N/A	15.77	1:1	0.092	26.13								26.13					
3500.01	633334	Mid	left	10 mm	NR Band n77 DoD	D	100	CW/SRS	NA	N/A	N/A	15.77	1:1	0.000	55.77					26.13								
3930.00	662000	High	back	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.327	23.33						22.58							
3930.00	662000	High	back	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.384	22.58	22.58												
3930.00	662000	High	back	10 mm	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1:1	0.319	22.81		22.58											
3930.00	662000	High	front	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.096	28.66			22.58										
3930.00	662000	High	front	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.072	29.85				22.58									
3930.00	662000	High	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.358	22.94					22.58								
3930.00	662000	High	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.289	23.81							22.58						
3930.00	662000	High	left	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.079	29.50								22.58					
3930.00	662000	High	left	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.074	29.73									22.58				
3930.00	662000	High	back	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.263	23.38										22.58			
3930.00	662000	High	back	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.266	23.23											22.58		
3930.00	662000	High	front	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.067	29.32												22.58	
3930.00	662000	High	front	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.067	29.22													22.58
3750.00	650000	Low	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.12	1:1	0.288	22.53													
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.558	20.11						20.11							
3750.00	650000	Low	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	138	17.00	1:1	0.314	22.03	20.11												
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.546	20.11		20.11											
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	270	0	17.39	1:1	0.527	20.17			20.11										
3930.00	662000	High	top	10 mm	NR Band n77	E	100	CP-OFDM	QPSK	1	1	17.10	1:1	0.496	20.15				20.11									
3930.00	662000	High	right	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.143	26.03					20.11								
3930.00	662000	High	right	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.143	25.93							20.11						
3930.00	662000	High	back	10 mm	NR Band n77	G	100	CW/SRS	NA	N/A	N/A	15.80	1:1	0.148	24.10								24.10					
3930.00	662000	High	front	10 mm	NR Band n77	G	100	CW/SRS	NA	N/A	N/A	15.80	1:1	0.001	45.80									24.10				
3930.00	662000	High	top	10 mm	NR Band n77	G	100	CW/SRS	NA	N/A	N/A	15.80	1:1	0.066	27.60										24.10			
3930.00	662000	High	right	10 mm	NR Band n77	G	100	CW/SRS	NA	N/A	N/A	15.80	1:1	0.008	36.77											24.10		
3930.00	662000	High	left	10 mm	NR Band n77	G	100	CW/SRS	NA	N/A	N/A	15.80	1:1	0.000	55.80								24.10					
3750.00	650000	Low	back	10 mm	NR Band n77	D	100	CW/SRS	NA	N/A	N/A	14.65	1:1	0.038	28.85									28.42				
3750.00	650000	Low	front	10 mm	NR Band n77	D	100	CW/SRS	NA	N/A	N/A	14.65	1:1	0.005	37.66										28.42			
3750.00	650000	Low	bottom	10 mm	NR Band n77	D	100	CW/SRS	NA	N/A	N/A	14.65	1:1	0.042	28.42						28.42							
3750.00	650000	Low	left	10 mm	NR Band n77	D	100	CW/SRS	NA	N/A	N/A	14.65	1:1	0.009	35.11	28.42												

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Table A-38
DSI = 1 P_{Limit} Calculations – GPRS Phablet SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.									(W/kg)		
824.20	128	back	12 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.274	35.27	30.02
824.20	128	front	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.052	42.49	
824.20	128	bottom	14 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.103	39.52	
824.20	128	right	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.694	31.24	
824.20	128	left	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.022	46.23	
824.20	128	back	0 mm	GSM 850	GPRS	A	3	29.68	1:2.76	0.833	30.02	
824.20	128	front	0 mm	GSM 850	GPRS	A	3	29.68	1:2.76	0.071	40.72	
824.20	128	bottom	0 mm	GSM 850	GPRS	A	3	29.68	1:2.76	0.361	33.65	
824.20	128	right	0 mm	GSM 850	GPRS	A	3	29.68	1:2.76	0.611	31.37	
1909.80	810	back	12 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.182	32.84	27.08
1909.80	810	front	0 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.686	27.08	
1909.80	810	bottom	14 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.257	31.34	
1909.80	810	right	0 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.407	29.34	
1909.80	810	left	0 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.098	35.53	

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Table A-39
DSI = 1 P_{Limit} Calculations – UMTS Phablet SAR Data

MEASUREMENT RESULTS											
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
826.40	4132	back	12 mm	UMTS 850	RMC	A+B	24.84	1:1	0.276	34.41	28.41
826.40	4132	front	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.061	40.97	
826.40	4132	bottom	14 mm	UMTS 850	RMC	A+B	24.84	1:1	0.103	38.69	
826.40	4132	right	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.712	30.29	
826.40	4132	left	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.022	45.40	
826.40	4132	back	0 mm	UMTS 850	RMC	A	24.84	1:1	0.822	29.67	
826.40	4132	front	0 mm	UMTS 850	RMC	A	24.84	1:1	0.088	39.37	
826.40	4132	bottom	0 mm	UMTS 850	RMC	A	24.84	1:1	0.298	34.08	
826.40	4132	right	0 mm	UMTS 850	RMC	A	24.84	1:1	1.100	28.41	
1732.40	1412	back	12 mm	UMTS 1750	RMC	B	24.13	1:1	0.540	30.79	26.97
1732.40	1412	front	0 mm	UMTS 1750	RMC	B	24.13	1:1	1.300	26.97	
1732.40	1412	bottom	14 mm	UMTS 1750	RMC	B	24.13	1:1	0.644	30.02	
1732.40	1412	right	0 mm	UMTS 1750	RMC	B	24.13	1:1	1.060	27.86	
1732.40	1412	left	0 mm	UMTS 1750	RMC	B	24.13	1:1	0.263	33.91	
1852.40	9262	back	12 mm	UMTS 1900	RMC	B	24.45	1:1	0.378	32.65	29.13
1852.40	9262	front	0 mm	UMTS 1900	RMC	B	24.45	1:1	0.852	29.13	
1852.40	9262	bottom	14 mm	UMTS 1900	RMC	B	24.45	1:1	0.403	32.38	
1852.40	9262	right	0 mm	UMTS 1900	RMC	B	24.45	1:1	0.538	31.12	
1852.40	9262	left	0 mm	UMTS 1900	RMC	B	24.45	1:1	0.130	37.29	

Table A-40
DSI = 1 P_{Limit} Calculations – LTE Band 12 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
707.50	23095	Mid	back	12 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.301	34.10	28.39
707.50	23095	Mid	front	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.042	42.66	
707.50	23095	Mid	bottom	14 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.222	35.43	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	1.123	28.39	
707.50	23095	Mid	left	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.028	44.42	
707.50	23095	Mid	back	0 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.662	30.68	
707.50	23095	Mid	front	0 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.025	44.91	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.555	31.45	
707.50	23095	Mid	right	0 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.982	28.97	

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Table A-41
DSI = 1 P_{Limit} Calculations – LTE Band 13 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	PIlimit	Overall Plimit
MHz	Ch.	(W/kg)														
782.00	23230	Mid	back	12 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.332	31.94	26.39
782.00	23230	Mid	front	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.037	41.47	
782.00	23230	Mid	bottom	14 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.196	34.23	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	1.190	26.39	
782.00	23230	Mid	left	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.054	39.83	
782.00	23230	Mid	back	0 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.722	28.56	
782.00	23230	Mid	front	0 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.021	43.93	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.411	31.01	
782.00	23230	Mid	right	0 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.923	27.50	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Phablet 4.0 W/kg (mW/g) averaged over 10 grams					

Table A-42
DSI = 1 P_{Limit} Calculations – LTE Band 26 (Cell) Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	PIlimit	Overall Plimit
MHz	Ch.	(W/kg)														
831.50	26865	Mid	back	12 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.234	34.84	27.67
831.50	26865	Mid	front	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.072	39.96	
831.50	26865	Mid	bottom	14 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.122	37.67	
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	1.188	27.78	
831.50	26865	Mid	left	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.042	42.30	
831.50	26865	Mid	back	0 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.740	29.84	
831.50	26865	Mid	front	0 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.056	41.05	
831.50	26865	Mid	bottom	0 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.355	33.03	
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	1.218	27.67	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Phablet 4.0 W/kg (mW/g) averaged over 10 grams					

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Table A-43
DSI = 1 P_{Limit} Calculations – LTE Band 66 (AWS) Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1745.00	132322	Mid	back	12 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.508	31.05	26.92
1745.00	132322	Mid	back	12 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.400	30.83	
1745.00	132322	Mid	front	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	1.210	27.28	
1745.00	132322	Mid	front	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.984	26.92	
1745.00	132322	Mid	bottom	14 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.576	30.51	
1745.00	132322	Mid	bottom	14 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.453	30.29	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	1.040	27.94	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.792	27.86	
1745.00	132322	Mid	left	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.210	34.89	
1745.00	132322	Mid	left	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.172	34.49	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								Phablet 4.0 W/kg (mW/g) averaged over 10 grams								

Table A-44
DSI = 1 P_{Limit} Calculations – LTE Band 25 (PCS) Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1860.00	26140	Low	back	12 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.350	32.46	28.46
1860.00	26140	Low	back	12 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.275	32.37	
1860.00	26140	Low	front	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.879	28.46	
1860.00	26140	Low	front	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.633	28.75	
1860.00	26140	Low	bottom	14 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.449	31.38	
1860.00	26140	Low	bottom	14 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.337	31.48	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.580	30.27	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.457	30.16	
1860.00	26140	Low	left	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.192	35.07	
1860.00	26140	Low	left	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.151	34.97	

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Table A-45
DSI = 1 P_{Limit} Calculations – LTE Band 41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2680.00	41490	High	back	12 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.148	32.13	27.26
2680.00	41490	High	back	12 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.145	32.25	
2680.00	41490	High	front	0 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.454	27.26	
2680.00	41490	High	front	0 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.446	27.37	
2680.00	41490	High	bottom	14 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.225	30.31	
2680.00	41490	High	bottom	14 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.226	30.32	
2680.00	41490	High	right	0 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.245	29.94	
2680.00	41490	High	right	0 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.245	29.97	
2680.00	41490	High	left	0 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.130	32.70	
2680.00	41490	High	left	0 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.123	32.97	

Table A-46
DSI = 1 P_{Limit} Calculations – NR Band n12 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	141500	Mid	back	12 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.264	33.38	27.28
707.50	141500	Mid	front	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.032	42.55	
707.50	141500	Mid	bottom	14 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.183	34.97	
707.50	141500	Mid	right	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	1.077	27.28	
707.50	141500	Mid	left	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.022	44.18	
707.50	141500	Mid	back	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.622	29.66	
707.50	141500	Mid	front	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.018	45.05	
707.50	141500	Mid	bottom	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.442	31.15	
707.50	141500	Mid	right	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.987	27.66	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Phablet 4.0 W/kg (mW/g) averaged over 10 grams						

Table A-47
DSI = 1 P_{Limit} Calculations – NR Band n5 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
836.50	167300	Mid	back	12 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.223	34.63	27.24
836.50	167300	Mid	front	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.031	43.20	
836.50	167300	Mid	bottom	14 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.122	37.25	
836.50	167300	Mid	right	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	1.184	27.38	
836.50	167300	Mid	left	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.029	43.49	
836.50	167300	Mid	back	0 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.699	29.66	
836.50	167300	Mid	front	0 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.054	40.79	
836.50	167300	Mid	bottom	0 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.401	32.08	
836.50	167300	Mid	right	0 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	1.222	27.24	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Phablet 4.0 W/kg (mW/g) averaged over 10 grams						

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Table A-48
DSI = 1 P_{Limit} Calculations – NR Band n66 Phablet SAR

MEASUREMENT RESULTS																								
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit								
MHz	Ch.	(W/kg)																						
1720.00	344000	Low	back	12 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.320	33.11	27.84								
1720.00	344000	Low	back	12 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.356	32.05		27.84							
1720.00	344000	Low	front	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.902	28.61			27.84						
1720.00	344000	Low	front	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.939	27.84				27.84					
1720.00	344000	Low	front	0 mm	NR Band n66 (AWS)	B	20	CP-OFDM	QPSK	1	1	22.39	1:1	0.635	28.34					27.84				
1720.00	344000	Low	bottom	14 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.462	31.51						27.84			
1720.00	344000	Low	bottom	14 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.481	30.75							27.84		
1720.00	344000	Low	right	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.689	29.78								27.84	
1720.00	344000	Low	right	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.727	28.95									27.84
1720.00	344000	Low	left	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.189	35.39									
1720.00	344000	Low	left	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.187	34.85	27.84								
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	1.530	21.58		20.59							
1720.00	344000	Low	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.42	1:1	1.910	20.59			20.59						
1745.00	349000	Mid	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.44	1:1	1.660	21.22				20.59					
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	1.590	21.43					20.59				
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	100	0	19.44	1:1	1.620	21.32						20.59			
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	19.48	1:1	1.660	21.26							20.59		

Table A-49
DSI = 1 P_{Limit} Calculations – NR Band n25 Phablet SAR

MEASUREMENT RESULTS																								
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit								
MHz	Ch.	(W/kg)																						
1860.00	372000	Low	back	12 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.301	32.54	28.63								
1860.00	372000	Low	back	12 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.299	32.70		28.63							
1860.00	372000	Low	front	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.741	28.63			28.63						
1860.00	372000	Low	front	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.764	28.63				28.63					
1860.00	372000	Low	bottom	14 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.392	31.40					28.63				
1860.00	372000	Low	bottom	14 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.377	31.70						28.63			
1860.00	372000	Low	right	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.448	30.82							28.63		
1860.00	372000	Low	right	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.445	30.98								28.63	
1860.00	372000	Low	left	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.107	37.04									28.63
1860.00	372000	Low	left	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.143	35.91									

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Table A-50
DSI = 1 P_{Limit} Calculations – NR Band n41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}	
MHz	Ch.												(W/kg)			
2592.99	518598	Mid	back	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.913	22.77	21.42
2592.99	518598	Mid	front	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.187	29.66	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	1.248	21.42	
2592.99	518598	Mid	left	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.187	29.66	
2592.99	518598	Mid	back	12 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.352	23.19	20.32
2592.99	518598	Mid	front	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.022	35.24	
2592.99	518598	Mid	bottom	14 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.683	20.32	
2592.99	518598	Mid	right	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.312	23.72	
2592.99	518598	Mid	left	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.057	31.10	
2592.99	518598	Mid	back	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.442	22.55	20.71
2592.99	518598	Mid	front	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.028	34.53	
2592.99	518598	Mid	top	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.321	23.93	
2592.99	518598	Mid	right	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.674	20.71	
2592.99	518598	Mid	back	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.554	17.39	17.39
2592.99	518598	Mid	front	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.014	33.37	
2592.99	518598	Mid	bottom	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.111	24.38	
2592.99	518598	Mid	left	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.024	31.03	

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Table A-51
DSI = 1 P_{Limit} Calculations – NR Band n77 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.641	23.96	19.80
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.697	23.36	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1:1	0.861	22.28	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.021	38.81	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	1.671	19.80	
3500.01	633334	Mid	left	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.144	30.45	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1:1	0.888	21.42	20.95
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1:1	0.074	32.21	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1:1	0.662	22.69	
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1:1	0.989	20.95	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1:1	0.724	19.68	16.45
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1:1	0.066	30.08	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1:1	1.525	16.45	
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1:1	0.182	25.68	
3500.01	633334	Mid	left	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1:1	0.110	27.87	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	D	100	CWSRS	N/A	N/A	N/A	15.77	1:1	0.252	25.74	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	D	100	CWSRS	N/A	N/A	N/A	15.77	1:1	0.028	35.28	20.32
3500.01	633334	Mid	bottom	0 mm	NR Band n77 DoD	D	100	CWSRS	N/A	N/A	N/A	15.77	1:1	0.877	20.32	
3500.01	633334	Mid	left	0 mm	NR Band n77 DoD	D	100	CWSRS	N/A	N/A	N/A	15.77	1:1	0.183	27.12	
3930.00	662000	High	back	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.554	25.02	20.04
3930.00	662000	High	back	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.704	23.92	
3930.00	662000	High	front	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.038	36.66	
3750.00	650000	Low	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	137	18.00	1:1	1.450	20.37	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	1.620	20.36	
3750.00	650000	Low	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	0	17.91	1:1	1.530	20.04	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	1.520	20.58	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	270	0	18.29	1:1	1.520	20.45	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1:1	1.420	20.31	
3930.00	662000	High	left	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.442	26.01	
3930.00	662000	High	back	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1:1	0.908	21.98	20.33
3930.00	662000	High	front	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1:1	0.054	34.24	
3750.00	650000	Low	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.12	1:1	1.180	20.38	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1:1	1.090	21.19	
3750.00	650000	Low	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	138	17.00	1:1	1.160	20.33	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	69	17.48	1:1	1.090	21.09	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	270	0	17.39	1:1	1.110	20.92	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	CP-OFDM	N/A	1	1	17.10	1:1	1.170	20.40	
3930.00	662000	High	right	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1:1	0.992	21.59	
3930.00	662000	High	back	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1:1	0.775	20.89	
3930.00	662000	High	front	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1:1	0.056	32.30	
3930.00	662000	High	top	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1:1	1.454	18.15	
3930.00	662000	High	right	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1:1	0.198	26.81	
3930.00	662000	High	left	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1:1	0.144	28.20	
3750.00	650000	Low	back	0 mm	NR Band n77	D	100	CWSRS	N/A	N/A	N/A	14.65	1:1	0.233	24.96	19.52
3750.00	650000	Low	front	0 mm	NR Band n77	D	100	CWSRS	N/A	N/A	N/A	14.65	1:1	0.038	32.83	
3750.00	650000	Low	bottom	0 mm	NR Band n77	D	100	CWSRS	N/A	N/A	N/A	14.65	1:1	0.815	19.52	
3750.00	650000	Low	left	0 mm	NR Band n77	D	100	CWSRS	N/A	N/A	N/A	14.65	1:1	0.202	25.58	

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Table A-52
DSI = 3 P_{Limit} Calculations – GPRS Phablet SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.									(W/kg)		
824.20	128	back	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.892	30.15	30.02
824.20	128	front	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.052	42.49	
824.20	128	bottom	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.427	33.35	
824.20	128	right	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.694	31.24	
824.20	128	left	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.022	46.23	
824.20	128	back	0 mm	GSM 850	GPRS	A	3	29.68	1:2.76	0.833	30.02	
824.20	128	front	0 mm	GSM 850	GPRS	A	3	29.68	1:2.76	0.071	40.72	
824.20	128	bottom	0 mm	GSM 850	GPRS	A	3	29.68	1:2.76	0.361	33.65	
824.20	128	right	0 mm	GSM 850	GPRS	A	3	29.68	1:2.76	0.611	31.37	
1909.80	810	back	0 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.516	23.73	21.84
1909.80	810	front	0 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.686	27.08	
1909.80	810	bottom	0 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.798	21.84	
1909.80	810	right	0 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.407	29.34	
1909.80	810	left	0 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.098	35.53	

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Table A-53
DSI = 3 P_{Limit} Calculations – UMTS Phablet SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Scaling Factor	Plimit	Overall Plimit
MHz	Ch.								(W/kg)			
826.40	4132	back	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.822	1.164	29.67	28.41
826.40	4132	front	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.061	1.164	40.97	
826.40	4132	bottom	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.354	1.164	33.33	
826.40	4132	right	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.712	1.164	30.29	
826.40	4132	left	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.022	1.164	45.40	
826.40	4132	back	0 mm	UMTS 850	RMC	A	24.84	1:1	0.822	1.164	29.67	
826.40	4132	front	0 mm	UMTS 850	RMC	A	24.84	1:1	0.088	1.164	39.37	
826.40	4132	bottom	0 mm	UMTS 850	RMC	A	24.84	1:1	0.298	1.164	34.08	
826.40	4132	right	0 mm	UMTS 850	RMC	A	24.84	1:1	1.100	1.164	28.41	
1712.40	1312	back	0 mm	UMTS 1750	RMC	B	18.22	1:1	1.350	1.197	20.90	20.21
1732.40	1412	front	0 mm	UMTS 1750	RMC	B	24.13	1:1	1.300	1.222	26.97	
1712.40	1312	bottom	0 mm	UMTS 1750	RMC	B	18.22	1:1	1.580	1.197	20.21	
1732.40	1412	bottom	0 mm	UMTS 1750	RMC	B	18.16	1:1	1.360	1.213	20.80	
1752.60	1513	bottom	0 mm	UMTS 1750	RMC	B	18.20	1:1	1.150	1.202	21.57	
1732.40	1412	right	0 mm	UMTS 1750	RMC	B	24.13	1:1	1.060	1.222	27.86	
1732.40	1412	left	0 mm	UMTS 1750	RMC	B	24.13	1:1	0.263	1.222	33.91	
1852.40	9262	back	0 mm	UMTS 1900	RMC	B	18.15	1:1	0.718	1.216	23.57	20.25
1852.40	9262	front	0 mm	UMTS 1900	RMC	B	24.45	1:1	0.852	1.135	29.13	
1852.40	9262	bottom	0 mm	UMTS 1900	RMC	B	18.15	1:1	1.530	1.216	20.28	
1880.00	9400	bottom	0 mm	UMTS 1900	RMC	B	18.02	1:1	1.480	1.253	20.30	
1907.60	9538	bottom	0 mm	UMTS 1900	RMC	B	18.06	1:1	1.510	1.242	20.25	
1852.40	9262	right	0 mm	UMTS 1900	RMC	B	24.45	1:1	0.538	1.135	31.12	
1852.40	9262	left	0 mm	UMTS 1900	RMC	B	24.45	1:1	0.130	1.135	37.29	

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Table A-54
DSI = 3 P_{Limit} Calculations – LTE Band 12 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
707.50	23095	Mid	back	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.774	30.00	28.39
707.50	23095	Mid	front	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.042	42.66	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.513	31.79	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	1.123	28.39	
707.50	23095	Mid	left	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.028	44.42	
707.50	23095	Mid	back	0 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.662	30.68	
707.50	23095	Mid	front	0 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.025	44.91	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.555	31.45	
707.50	23095	Mid	right	0 mm	LTE Band 12	A	10	QPSK	1	0	24.91	0	1:1	0.982	28.97	

Table A-55
DSI = 3 P_{Limit} Calculations – LTE Band 13 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
782.00	23230	Mid	back	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.845	27.88	26.65
782.00	23230	Mid	front	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.037	41.47	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.432	30.79	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	1.123	26.65	
782.00	23230	Mid	left	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.028	42.68	
782.00	23230	Mid	back	0 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.722	28.56	
782.00	23230	Mid	front	0 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.021	43.93	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.411	31.01	
782.00	23230	Mid	right	0 mm	LTE Band 13	A	10	QPSK	1	0	23.17	0	1:1	0.923	27.50	

Table A-56
DSI = 3 P_{Limit} Calculations – LTE Band 26 (Cell) Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
831.50	26865	Mid	back	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.755	29.75	27.67
831.50	26865	Mid	front	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.072	39.96	
831.50	26865	Mid	bottom	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.403	32.48	
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	1.188	27.78	
831.50	26865	Mid	left	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.042	42.30	
831.50	26865	Mid	back	0 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.740	29.84	
831.50	26865	Mid	front	0 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.056	41.05	
831.50	26865	Mid	bottom	0 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	0.355	33.03	
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A	15	QPSK	1	0	24.55	0	1:1	1.218	27.67	

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Table A-57
DSI = 3 P_{Limit} Calculations – LTE Band 66 (AWS) Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1745.00	132322	Mid	back	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.944	22.39	20.14
1745.00	132322	Mid	back	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.954	22.23	
1745.00	132322	Mid	front	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	1.210	27.28	
1745.00	132322	Mid	front	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.984	26.92	
1745.00	132322	Mid	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	1.280	21.07	
1720.00	132072	Low	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	17.95	0	1:1	1.510	20.14	
1745.00	132322	Mid	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	1.270	20.99	
1770.00	132572	High	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.00	0	1:1	1.090	21.61	
1745.00	132322	Mid	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	100	0	17.87	0	1:1	1.270	20.81	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	1.040	27.94	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.792	27.86	
1745.00	132322	Mid	left	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.210	34.89	
1745.00	132322	Mid	left	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.172	34.49	

Table A-58
DSI = 3 P_{Limit} Calculations – LTE Band 25 (PCS) Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1882.50	26365	Mid	back	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.784	23.07	19.94
1882.50	26365	Mid	back	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.778	22.90	
1860.00	26140	Low	front	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.879	28.46	
1860.00	26140	Low	front	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.633	28.75	
1882.50	26365	Mid	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	1.460	20.37	
1860.00	26140	Low	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	50	17.81	0	1:1	1.340	20.52	
1882.50	26365	Mid	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	1.410	20.32	
1905.00	26590	High	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	50	17.75	0	1:1	1.510	19.94	
1860.00	26140	Low	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	100	0	17.77	0	1:1	1.250	20.78	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.580	30.27	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.457	30.16	
1860.00	26140	Low	left	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.192	35.07	
1860.00	26140	Low	left	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.151	34.97	

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Table A-59
DSI = 3 P_{Limit} Calculations – LTE Band 41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2680.00	41490	High	back	0 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.782	21.14	17.09
2680.00	41490	High	back	0 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.757	21.11	
2680.00	41490	High	front	0 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.454	27.26	
2680.00	41490	High	front	0 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.446	27.37	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	1	0	17.65	0	1:1.58	1.530	17.80	
2549.50	40185	Low-Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	1	99	17.64	0	1:1.58	1.540	17.76	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	17.78	0	1:1.58	1.800	17.22	
2636.50	41055	Mid-High	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	17.78	0	1:1.58	1.850	17.10	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	1.710	17.75	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	17.69	0	1:1.58	1.580	17.70	
2549.50	40185	Low-Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	50	50	17.63	0	1:1.58	1.550	17.72	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	17.82	0	1:1.58	1.800	17.26	
2636.50	41055	Mid-High	bottom	0 mm	LTE Band 41	B	20	QPSK	50	0	17.72	0	1:1.58	1.830	17.09	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	1.740	17.50	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	100	0	17.77	0	1:1.58	1.700	17.46	
2680.00	41490	High	right	0 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.245	29.94	
2680.00	41490	High	right	0 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.245	29.97	
2680.00	41490	High	left	0 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.130	32.70	
2680.00	41490	High	left	0 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.123	32.97	

Table A-60
DSI = 3 P_{Limit} Calculations – NR Band n12 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	141500	Mid	back	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.692	33.38	27.28
707.50	141500	Mid	front	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.032	42.55	
707.50	141500	Mid	bottom	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.545	34.97	
707.50	141500	Mid	right	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.022	27.28	
707.50	141500	Mid	left	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.022	44.18	
707.50	141500	Mid	back	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.622	29.66	
707.50	141500	Mid	front	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.018	45.05	
707.50	141500	Mid	bottom	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.442	31.15	
707.50	141500	Mid	right	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.987	27.66	
707.50	141500	Mid	left	0 mm	NR Band n12	A	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.987	27.66	

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Table A-61
DSI = 3 P_{Limit} Calculations – NR Band n5 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
836.50	167300	Mid	back	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.799	34.63	27.24
836.50	167300	Mid	front	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.031	43.20	
836.50	167300	Mid	bottom	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.666	37.25	
836.50	167300	Mid	right	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	1.184	27.38	
836.50	167300	Mid	left	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.029	43.49	
836.50	167300	Mid	back	0 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.699	29.66	
836.50	167300	Mid	front	0 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.054	40.79	
836.50	167300	Mid	bottom	0 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.401	32.08	
836.50	167300	Mid	right	0 mm	NR Band n5 (Cell)	A	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	1.222	27.24	

Table A-62
DSI = 3 P_{Limit} Calculations – NR Band n66 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1745.00	349000	Mid	back	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.810	23.79	22.64
1745.00	349000	Mid	back	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.845	23.66	
1720.00	344000	Low	front	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.902	28.61	
1720.00	344000	Low	front	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.939	27.84	
1720.00	344000	Low	front	0 mm	NR Band n66 (AWS)	B	20	CP-OFDM	QPSK	1	1	22.39	1:1	0.635	28.34	
1745.00	349000	Mid	bottom	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	1.020	22.79	
1745.00	349000	Mid	bottom	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	1.070	22.64	
1720.00	344000	Low	right	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.689	29.78	
1720.00	344000	Low	right	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.727	28.95	
1720.00	344000	Low	left	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.189	35.39	
1720.00	344000	Low	left	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.187	34.85	
1770.00	354000	High	back	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	22.62	1:1	0.987	26.66	
1770.00	354000	High	front	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	22.62	1:1	0.176	34.14	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	1.530	21.58	
1720.00	344000	Low	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.42	1:1	1.910	20.59	
1745.00	349000	Mid	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.44	1:1	1.660	21.22	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	1.590	21.43	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	100	0	19.44	1:1	1.620	21.32	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	19.48	1:1	1.660	21.26	
1770.00	354000	High	left	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	22.62	1:1	0.233	32.93	

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Table A-63
DSI = 3 P_{Limit} Calculations – NR Band n25 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1905.00	381000	High	back	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.732	23.47	20.35
1905.00	381000	High	back	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.727	23.55	
1860.00	372000	Low	front	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.741	28.63	
1860.00	372000	Low	front	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.764	28.63	
1860.00	372000	Low	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	17.92	1:1	1.330	20.66	
1882.50	376500	Mid	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.04	1:1	1.410	20.53	
1905.00	381000	High	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	1.450	20.51	
1905.00	381000	High	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	1.460	20.53	
1905.00	381000	High	bottom	0 mm	NR Band n25 (PCS)	B	20	CP-OFDM	QPSK	1	1	18.04	1:1	1.470	20.35	
1860.00	372000	Low	right	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.448	30.82	
1860.00	372000	Low	right	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.445	30.98	
1860.00	372000	Low	left	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.107	37.04	
1860.00	372000	Low	left	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.143	35.91	

Table A-64
DSI = 3 P_{Limit} Calculations – NR Band n41 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2592.99	518598	Mid	back	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.913	22.77	21.42
2592.99	518598	Mid	front	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.187	29.66	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	1.248	21.42	
2592.99	518598	Mid	left	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.187	29.66	
2592.99	518598	Mid	back	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.748	19.92	18.21
2592.99	518598	Mid	front	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.022	35.24	
2592.99	518598	Mid	bottom	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	1.109	18.21	
2592.99	518598	Mid	right	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.312	23.72	
2592.99	518598	Mid	left	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.057	31.10	20.71
2592.99	518598	Mid	back	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.442	22.55	
2592.99	518598	Mid	front	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.028	34.53	
2592.99	518598	Mid	top	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.321	23.93	
2592.99	518598	Mid	right	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.674	20.71	17.39
2592.99	518598	Mid	back	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.554	17.39	
2592.99	518598	Mid	front	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.014	33.37	
2592.99	518598	Mid	bottom	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.111	24.38	
2592.99	518598	Mid	left	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.024	31.03	

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Table A-65
DSI = 3 P_{Limit} Calculations – NR Band n77 Phablet SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.641	23.96	19.80
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.697	23.36	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1:1	0.861	22.28	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.021	38.81	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	1.671	19.80	
3500.01	633334	Mid	left	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.144	30.45	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1:1	0.888	21.42	20.95
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1:1	0.074	32.21	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1:1	0.662	22.69	
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1:1	0.989	20.95	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.724	19.68	16.45
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.066	30.08	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	1.525	16.45	
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.182	25.68	
3500.01	633334	Mid	left	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.110	27.87	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.252	25.74	20.32
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.028	35.28	
3500.01	633334	Mid	bottom	0 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.877	20.32	
3500.01	633334	Mid	left	0 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.183	27.12	
3930.00	662000	High	back	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.554	25.02	20.04
3930.00	662000	High	back	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.704	23.92	
3930.00	662000	High	front	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.038	36.66	
3750.00	650000	Low	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	137	18.00	1:1	1.450	20.37	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	1.620	20.36	
3750.00	650000	Low	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	0	17.91	1:1	1.530	20.04	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	1.520	20.58	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	270	0	18.29	1:1	1.520	20.45	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1:1	1.420	20.31	
3930.00	662000	High	left	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.442	26.01	
3930.00	662000	High	back	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1:1	0.908	21.98	20.33
3930.00	662000	High	front	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1:1	0.054	34.24	
3750.00	650000	Low	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.12	1:1	1.180	20.38	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1:1	1.090	21.19	
3750.00	650000	Low	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	138	17.00	1:1	1.160	20.33	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	69	17.48	1:1	1.090	21.09	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	270	0	17.39	1:1	1.110	20.92	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	CP-OFDM	N/A	1	1	17.10	1:1	1.170	20.40	
3930.00	662000	High	right	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1:1	0.992	21.59	
3930.00	662000	High	back	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.775	20.89	
3930.00	662000	High	front	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.056	32.30	
3930.00	662000	High	top	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	1.454	18.15	
3930.00	662000	High	right	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.198	26.81	
3930.00	662000	High	left	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.144	28.20	
3750.00	650000	Low	back	0 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.233	24.96	19.52
3750.00	650000	Low	front	0 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.038	32.83	
3750.00	650000	Low	bottom	0 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.815	19.52	
3750.00	650000	Low	left	0 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.202	25.58	

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Table A-66
DSI = 0 P_{Limit} Calculations – GPRS UMPC Body SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
824.20	128	back	14 mm	GSM 850	GSM	A+B	3	30.10	1:2.76	0.387	25.02	24.51
824.20	128	front	12 mm	GSM 850	GSM	A+B	3	30.10	1:2.76	0.311	25.97	
824.20	128	bottom	18 mm	GSM 850	GSM	A+B	3	30.10	1:2.76	0.435	24.51	
824.20	128	right	10 mm	GSM 850	GSM	A+B	3	30.10	1:2.76	0.340	25.58	
1850.20	512	back	14 mm	GSM 1900	GPRS	B	3	25.70	1:2.76	0.395	25.30	24.84
1880.00	661	back	14 mm	GSM 1900	GPRS	B	3	25.79	1:2.76	0.373	25.64	
1909.80	810	back	14 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.459	24.84	
1909.80	810	front	12 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.424	25.19	
1909.80	810	bottom	18 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.274	27.08	
1909.80	810	right	10 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.143	29.91	

Table A-67
DSI = 0 P_{Limit} Calculations – UMTS UMPC Body SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.								(W/kg)			
826.40	4132	back	14 mm	UMTS 850	RMC	A+B	24.84	1:1	0.392	28.91	28.69	
826.40	4132	front	12 mm	UMTS 850	RMC	A+B	24.84	1:1	0.301	30.05		
826.40	4132	bottom	18 mm	UMTS 850	RMC	A+B	24.84	1:1	0.412	28.69		
826.40	4132	right	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.336	29.58		
1732.40	1412	back	14 mm	UMTS 1750	RMC	B	24.13	1:1	0.352	28.66	27.38	
1732.40	1412	front	12 mm	UMTS 1750	RMC	B	24.13	1:1	0.446	27.64		
1732.40	1412	bottom	18 mm	UMTS 1750	RMC	B	24.13	1:1	0.354	28.64		
1732.40	1412	right	10 mm	UMTS 1750	RMC	B	24.13	1:1	0.473	27.38		
1852.40	9262	back	14 mm	UMTS 1900	RMC	B	24.45	1:1	0.427	28.15	26.16	
1852.40	9262	front	12 mm	UMTS 1900	RMC	B	24.45	1:1	0.590	26.74		
1880.00	9400	front	12 mm	UMTS 1900	RMC	B	24.40	1:1	0.637	26.36		
1907.60	9538	front	12 mm	UMTS 1900	RMC	B	24.39	1:1	0.665	26.16		
1852.40	9262	bottom	18 mm	UMTS 1900	RMC	B	24.45	1:1	0.360	28.89		
1852.40	9262	right	10 mm	UMTS 1900	RMC	B	24.45	1:1	0.230	30.83		

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

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	23095	Mid	back	14 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.422	28.66	28.03
707.50	23095	Mid	front	12 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.326	29.78	
707.50	23095	Mid	bottom	18 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.488	28.03	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.191	32.10	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.119	33.04	

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

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
782.00	23230	Mid	back	14 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.397	27.18	26.52
782.00	23230	Mid	front	12 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.303	28.36	
782.00	23230	Mid	bottom	18 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.462	26.52	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.122	32.31	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.104	32.05	

Table A-70
DSI = 0 P_{Limit} Calculations – LTE Band 26 (Cell) UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
831.50	26865	Mid	back	14 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.411	28.41	28.10
831.50	26865	Mid	front	12 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.342	29.21	
831.50	26865	Mid	bottom	18 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.442	28.10	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.184	31.90	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.177	30.73	

Table A-71
DSI = 0 P_{Limit} Calculations – LTE Band 66 (AWS) UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1745.00	132322	Mid	back	14 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.398	28.13	27.74
1745.00	132322	Mid	back	14 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.300	28.10	
1745.00	132322	Mid	front	12 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.361	28.55	
1745.00	132322	Mid	front	12 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.278	28.43	
1745.00	132322	Mid	bottom	18 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.395	28.16	
1745.00	132322	Mid	bottom	18 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.305	28.03	
1745.00	132322	Mid	right	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.410	28.00	
1745.00	132322	Mid	right	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.326	27.74	

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Table A-72
DSI = 0 P_{Limit} Calculations – LTE Band 4 (AWS) UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.225	24.86	23.42
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.215	25.01	
1732.50	20175	Mid	front	10 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.191	25.57	
1732.50	20175	Mid	front	10 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.182	25.73	
1732.50	20175	Mid	top	10 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.313	23.42	
1732.50	20175	Mid	top	10 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.304	23.50	
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.225	24.86	

Table A-73
DSI = 0 P_{Limit} Calculations – LTE Band 25 (PCS) UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1860.00	26140	Low	back	14 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.433	27.56	27.40
1860.00	26140	Low	back	14 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.319	27.74	
1860.00	26140	Low	front	12 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.449	27.40	
1860.00	26140	Low	front	12 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.330	27.59	
1860.00	26140	Low	bottom	18 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.283	29.40	
1860.00	26140	Low	bottom	18 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.215	29.46	
1860.00	26140	Low	right	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.232	30.27	
1860.00	26140	Low	right	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.195	29.88	

Table A-74
DSI = 0 P_{Limit} Calculations – LTE Band 41 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2680.00	41490	High	back	14 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.265	25.62	25.32
2680.00	41490	High	back	14 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.260	25.74	
2680.00	41490	High	front	12 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.231	26.22	
2680.00	41490	High	front	12 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.230	26.27	
2680.00	41490	High	bottom	18 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.284	25.32	
2680.00	41490	High	bottom	18 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.283	25.37	
2680.00	41490	High	right	10 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.159	27.84	
2680.00	41490	High	right	10 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.163	27.76	

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Table A-75
DSI = 0 P_{Limit} Calculations – NR Band n12 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR(1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	141500	Mid	back	14 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.423	27.36	26.68
707.50	141500	Mid	front	12 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.358	28.08	
707.50	141500	Mid	bottom	18 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.494	26.68	
707.50	141500	Mid	right	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.157	31.66	
707.50	141500	Mid	right	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.167	31.38	

Table A-76
DSI = 0 P_{Limit} Calculations – NR Band n5 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	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	14 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.421	27.89	27.87
836.50	167300	Mid	front	12 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.398	28.13	
836.50	167300	Mid	bottom	18 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.423	27.87	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.161	32.06	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.154	32.22	

Table A-77
DSI = 0 P_{Limit} Calculations – NR Band n66 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR(1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1720.00	344000	Low	back	14 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.373	28.46	27.71
1720.00	344000	Low	back	14 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.387	27.71	
1720.00	344000	Low	back	14 mm	NR Band n66 (AWS)	B	20	CP-OFDM	QPSK	1	1	22.39	1:1	0.249	28.43	
1720.00	344000	Low	front	12 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.357	28.65	
1720.00	344000	Low	front	12 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.348	28.17	
1720.00	344000	Low	bottom	18 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.323	29.09	
1720.00	344000	Low	bottom	18 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.325	28.47	
1720.00	344000	Low	right	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.341	28.85	
1720.00	344000	Low	right	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.361	28.01	
1770.00	354000	High	back	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.307	24.58	23.00
1770.00	354000	High	back	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.310	24.55	
1770.00	354000	High	front	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.185	26.78	
1770.00	354000	High	front	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.196	26.54	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.432	23.10	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.443	23.00	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	19.48	1:1	0.443	23.02	

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Table A-78
DSI = 0 P_{Limit} Calculations – NR Band n25 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1860.00	372000	Low	back	14 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.413	27.19	27.19
1860.00	372000	Low	back	14 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.413	27.32	
1860.00	372000	Low	back	14 mm	NR Band n25 (PCS)	B	20	CP-OFDM	QPSK	1	1	21.87	1:1	0.268	27.59	
1860.00	372000	Low	front	12 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.346	27.96	
1860.00	372000	Low	front	12 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.353	28.00	
1860.00	372000	Low	bottom	18 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.375	27.61	
1860.00	372000	Low	bottom	18 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.373	27.76	
1860.00	372000	Low	right	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.196	30.43	
1860.00	372000	Low	right	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.196	30.56	

Table A-79
DSI = 0 P_{Limit} Calculations – NR Band n41 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	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	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.158	26.41	22.86
2592.99	518598	Mid	back	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.150	26.61	
2592.99	518598	Mid	front	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.147	26.73	
2592.99	518598	Mid	front	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.195	25.47	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.321	23.33	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.356	22.86	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	CP-OFDM	QPSK	1	1	18.20	1:1	0.332	22.99	17.61
2592.99	518598	Mid	back	14 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.425	18.40	
2592.99	518598	Mid	front	12 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.366	19.05	
2592.99	518598	Mid	bottom	18 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.509	17.61	
2592.99	518598	Mid	right	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.049	27.78	
2592.99	518598	Mid	back	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.029	30.40	
2592.99	518598	Mid	front	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.010	35.02	
2592.99	518598	Mid	top	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.007	36.57	
2592.99	518598	Mid	right	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.008	35.99	
2592.99	518598	Mid	back	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.008	31.82	
2592.99	518598	Mid	front	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.004	34.83	
2592.99	518598	Mid	bottom	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.011	30.44	

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Table A-80
DSI = 0 P_{Limit} Calculations – NR Band n77 UMPC Body SAR

MEASUREMENT RESULTS																													
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit														
MHz	Ch.												(W/kg)																
3500.01	633334	Md	back	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.132	26.84	20.95													
3500.01	633334	Md	back	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.122	26.95		20.95												
3500.01	633334	Md	front	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.139	26.62			20.95											
3500.01	633334	Md	front	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.143	26.26				20.95										
3500.01	633334	Md	top	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.336	22.79					20.95									
3500.01	633334	Md	top	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.349	22.38						20.95								
3500.01	633334	Md	top	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	270	0	17.72	1:1	0.351	22.27							20.95							
3500.01	633334	Md	top	10 mm	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1:1	0.468	20.95								20.95						
3500.01	633334	Md	back	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.160	24.88									21.04					
3500.01	633334	Md	back	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.148	25.21										21.04				
3500.01	633334	Md	front	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.254	22.87											21.04			
3500.01	633334	Md	front	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.226	23.37												21.04		
3500.01	633334	Md	top	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.374	21.19													21.04	
3500.01	633334	Md	top	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.360	21.35														21.04
3500.01	633334	Md	top	10 mm	NR Band n77 DoD	E	100	CP-OFDM	QPSK	1	1	16.79	1:1	0.376	21.04														
3500.01	633334	Md	right	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.316	21.92	21.04													
3500.01	633334	Md	right	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.274	22.53		21.04												
3500.01	633334	Md	back	10 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.049	27.40			26.38											
3500.01	633334	Md	front	10 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.034	28.99				26.38										
3500.01	633334	Md	top	10 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.062	26.38					26.38									
3500.01	633334	Md	right	10 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.010	34.30						26.38								
3500.01	633334	Md	back	10 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.085	26.48							26.38							
3500.01	633334	Md	front	10 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.054	28.45			26.38											
3500.01	633334	Md	bottom	10 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.134	24.50				26.38										
3930.00	662000	High	back	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.120	27.69					21.75									
3930.00	662000	High	back	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.191	25.61						21.75								
3930.00	662000	High	front	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.180	25.93							21.75							
3930.00	662000	High	front	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.195	25.52			21.75											
3750.00	650000	Low	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	137	18.00	1:1	0.215	24.68				21.75										
3930.00	662000	High	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.471	21.75								21.75						
3750.00	650000	Low	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	0	17.91	1:1	0.221	24.47	21.75													
3930.00	662000	High	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.465	21.75		21.75												
3930.00	662000	High	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	270	0	18.29	1:1	0.374	22.56									21.75					
3930.00	662000	High	top	10 mm	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1:1	0.342	22.51										21.75				
3930.00	662000	High	back	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.210	24.36											21.75			
3930.00	662000	High	back	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.214	24.18												21.75		
3930.00	662000	High	front	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.236	23.85													21.75	
3930.00	662000	High	front	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.243	23.62														21.75
3750.00	650000	Low	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.12	1:1	0.620	19.20														
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.662	19.37					18.40									
3750.00	650000	Low	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	138	17.00	1:1	0.643	18.92						18.40								
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.679	19.16							18.40							
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	270	0	17.39	1:1	0.675	19.10			18.40											
3930.00	662000	High	top	10 mm	NR Band n77	E	100	CP-OFDM	QPSK	1	1	17.10	1:1	0.742	18.40				18.40										
3930.00	662000	High	right	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.116	26.94								18.40						
3930.00	662000	High	right	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.122	26.62	18.40													
3930.00	662000	High	back	10 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.037	30.12		26.56												
3930.00	662000	High	front	10 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.018	33.25									26.56					
3930.00	662000	High	top	10 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.084	26.56										26.56				
3930.00	662000	High	right	10 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.009	36.26											26.56			
3750.00	650000	Low	back	10 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.044	28.22												26.45		
3750.00	650000	Low	front	10 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.040	28.63		26.45												
3750.00	650000	Low	bottom	10 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.066	26.45									26.45					

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Table A-81
DSI = 2/6 P_{Limit} Calculations – GPRS UMPC Body SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
824.20	128	back	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.469	28.96	28.96
824.20	128	front	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.386	29.80	
824.20	128	bottom	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.294	30.99	
824.20	128	right	10 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.340	30.36	
1909.80	810	back	10 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.209	23.68	22.60
1909.80	810	front	10 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.134	25.61	
1909.80	810	bottom	10 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.268	22.60	
1909.80	810	right	10 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.143	29.91	

Table A-82
DSI = 2/6 P_{Limit} Calculations – UMTS UMPC Body SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.								(W/kg)			
826.40	4132	back	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.434	28.47	28.47	
826.40	4132	front	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.338	29.55		
826.40	4132	bottom	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.294	30.16		
826.40	4132	right	10 mm	UMTS 850	RMC	A+B	24.84	1:1	0.336	29.58		
1712.40	1312	back	10 mm	UMTS 1750	RMC	B	18.22	1:1	0.169	25.94	22.66	
1712.40	1312	front	10 mm	UMTS 1750	RMC	B	18.22	1:1	0.176	25.76		
1712.40	1312	bottom	10 mm	UMTS 1750	RMC	B	18.22	1:1	0.360	22.66		
1732.40	1412	right	10 mm	UMTS 1750	RMC	B	24.13	1:1	0.473	27.38		
1852.40	9262	back	10 mm	UMTS 1900	RMC	B	18.15	1:1	0.161	26.08	22.72	
1852.40	9262	front	10 mm	UMTS 1900	RMC	B	18.15	1:1	0.139	26.72		
1852.40	9262	bottom	10 mm	UMTS 1900	RMC	B	18.15	1:1	0.349	22.72		
1852.40	9262	right	10 mm	UMTS 1900	RMC	B	24.45	1:1	0.230	30.83		

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Table A-83
DSI = 2/6 P_{Limit} Calculations – LTE Band 12 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	23095	Mid	back	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.360	29.35	29.31
707.50	23095	Mid	back	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.281	29.31	
707.50	23095	Mid	front	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.285	30.36	
707.50	23095	Mid	front	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.233	30.13	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.226	31.37	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.149	32.07	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.191	32.10	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.119	33.04	

Table A-84
DSI = 2/6 P_{Limit} Calculations – LTE Band 13 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
782.00	23230	Mid	back	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.258	29.05	29.05
782.00	23230	Mid	back	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.202	29.17	
782.00	23230	Mid	front	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.229	29.57	
782.00	23230	Mid	front	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.174	29.81	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.102	33.08	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.089	32.72	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.122	32.31	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.104	32.05	

Table A-85
DSI = 2/6 P_{Limit} Calculations – LTE Band 26 (Cell) UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
831.50	26865	Mid	back	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.504	27.53	27.01
831.50	26865	Mid	back	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.417	27.01	
831.50	26865	Mid	front	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.343	29.20	
831.50	26865	Mid	front	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.282	28.71	
831.50	26865	Mid	bottom	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.293	29.88	
831.50	26865	Mid	bottom	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.257	29.11	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.184	31.90	
831.50	26865	Mid	right	10 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.177	30.73	

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Table A-86
DSI = 2/6 P_{Limit} Calculations – LTE Band 66 (AWS) UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1745.00	132322	Mid	back	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.154	26.28	23.32
1745.00	132322	Mid	back	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.151	26.26	
1745.00	132322	Mid	front	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.165	25.99	
1745.00	132322	Mid	front	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.161	25.98	
1745.00	132322	Mid	bottom	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.298	23.42	
1745.00	132322	Mid	bottom	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.297	23.32	
1745.00	132322	Mid	right	10 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.410	28.00	
1745.00	132322	Mid	right	10 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.326	27.74	

Table A-87
DSI = 2/6 P_{Limit} Calculations – LTE Band 4(AWS) UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.225	24.86	23.42
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.215	25.01	
1732.50	20175	Mid	front	10 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.191	25.57	
1732.50	20175	Mid	front	10 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.182	25.73	
1732.50	20175	Mid	top	10 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.313	23.42	
1732.50	20175	Mid	top	10 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.304	23.50	

Table A-88
DSI = 2/6 P_{Limit} Calculations – LTE Band 25 (PCS) UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1882.50	26365	Mid	back	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.173	25.65	21.54
1882.50	26365	Mid	back	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.158	25.84	
1882.50	26365	Mid	front	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.213	24.75	
1882.50	26365	Mid	front	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.205	24.71	
1882.50	26365	Mid	bottom	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.437	21.63	
1882.50	26365	Mid	bottom	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.426	21.54	
1860.00	26140	Low	right	10 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.232	30.27	
1860.00	26140	Low	right	10 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.195	29.88	

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Table A-89
DSI = 2/6 P_{Limit} Calculations – LTE Band 41 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2680.00	41490	High	back	10 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.223	22.61	20.50
2680.00	41490	High	back	10 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.215	22.60	
2680.00	41490	High	front	10 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.113	25.57	
2680.00	41490	High	front	10 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.111	25.47	
2680.00	41490	High	bottom	10 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.363	20.50	
2680.00	41490	High	bottom	10 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.349	20.50	
2680.00	41490	High	right	10 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.159	27.84	
2680.00	41490	High	right	10 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.163	27.76	

Table A-90
DSI = 2/6 P_{Limit} Calculations – NR Band n12 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	141500	Mid	back	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.287	29.04	28.60
707.50	141500	Mid	back	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.303	28.80	
707.50	141500	Mid	back	10 mm	NR Band n12	A+B	15	CP-OFDM	QPSK	1	1	21.90	1:1	0.214	28.60	
707.50	141500	Mid	front	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.258	29.50	
707.50	141500	Mid	front	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.267	29.34	
707.50	141500	Mid	bottom	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.174	31.21	
707.50	141500	Mid	bottom	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.171	31.28	
707.50	141500	Mid	right	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.157	31.66	
707.50	141500	Mid	right	10 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.167	31.38	

Table A-91
DSI = 2/6 P_{Limit} Calculations – NR Band n5 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	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 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.394	28.18	27.97
836.50	167300	Mid	back	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.410	27.97	
836.50	167300	Mid	back	10 mm	NR Band n5 (Cell)	A+B	20	CP-OFDM	QPSK	1	1	22.47	1:1	0.275	28.08	
836.50	167300	Mid	front	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.278	29.69	
836.50	167300	Mid	front	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.286	29.54	
836.50	167300	Mid	bottom	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.220	30.71	
836.50	167300	Mid	bottom	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.226	30.56	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.161	32.06	
836.50	167300	Mid	right	10 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.154	32.22	

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Table A-92
DSI = 2/6 P_{Limit} Calculations – NR Band n66 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	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 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.191	26.09	24.77
1745.00	349000	Mid	back	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.202	25.90	
1745.00	349000	Mid	front	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.113	28.37	
1745.00	349000	Mid	front	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.119	28.19	
1745.00	349000	Mid	bottom	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.248	24.96	
1745.00	349000	Mid	bottom	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.282	24.77	
1720.00	344000	Low	right	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.341	28.85	23.00
1720.00	344000	Low	right	10 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.361	28.01	
1770.00	354000	High	back	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.307	24.58	
1770.00	354000	High	back	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.310	24.55	
1770.00	354000	High	front	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.185	26.78	
1770.00	354000	High	front	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.196	26.54	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.432	23.10	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.443	23.00	
1770.00	354000	High	top	10 mm	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	19.48	1:1	0.443	23.02	

Table A-93
DSI = 2/6 P_{Limit} Calculations – NR Band n25 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1905.00	381000	High	back	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.245	24.25	22.86
1905.00	381000	High	back	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.251	24.19	
1905.00	381000	High	front	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.156	26.21	
1905.00	381000	High	front	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.156	26.26	
1905.00	381000	High	bottom	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.337	22.86	
1905.00	381000	High	bottom	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.330	23.00	
1860.00	372000	Low	right	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.196	30.43	
1860.00	372000	Low	right	10 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.196	30.56	

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Table A-94
DSI = 2/6 P_{Limit} Calculations – NR Band n41 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	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	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.158	26.41	22.86
2592.99	518598	Mid	back	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.150	26.61	
2592.99	518598	Mid	front	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.147	26.73	
2592.99	518598	Mid	front	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.195	25.47	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.321	23.33	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.356	22.86	
2592.99	518598	Mid	top	10 mm	NR Band n41	F	100	CP-OFDM	QPSK	1	1	18.20	1:1	0.332	22.99	
2592.99	518598	Mid	back	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.199	21.69	20.43
2592.99	518598	Mid	front	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.116	24.04	
2592.99	518598	Mid	bottom	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.266	20.43	
2592.99	518598	Mid	right	10 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.049	27.78	
2592.99	518598	Mid	back	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.029	30.40	
2592.99	518598	Mid	front	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.010	35.02	30.40
2592.99	518598	Mid	top	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.007	36.57	
2592.99	518598	Mid	right	10 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.008	35.99	
2592.99	518598	Mid	back	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.008	31.82	30.44
2592.99	518598	Mid	front	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.004	34.83	
2592.99	518598	Mid	bottom	10 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.011	30.44	

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Table A-95
DSI = 2/6 P_{Limit} Calculations – NR Band n77 UMPC Body SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}	
MHz	Ch.												(W/kg)			
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.132	26.84	20.95
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.122	26.95	
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.139	26.62	
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.143	26.26	
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1:1	0.336	22.79	
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1:1	0.349	22.38	
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	270	0	17.72	1:1	0.351	22.27	
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1:1	0.468	20.95	21.04
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.160	24.88	
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.148	25.21	
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.254	22.87	
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.226	23.37	
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.374	21.19	
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.360	21.35	
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	E	100	CP-OFDM	QPSK	1	1	16.79	1:1	0.376	21.04	
3500.01	633334	Mid	right	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1:1	0.316	21.92	
3500.01	633334	Mid	right	10 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1:1	0.274	22.53	
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.049	27.40	
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.034	28.99	
3500.01	633334	Mid	top	10 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.062	26.38	
3500.01	633334	Mid	right	10 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1:1	0.010	34.30	
3500.01	633334	Mid	back	10 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.085	26.48	
3500.01	633334	Mid	front	10 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.054	28.45	
3500.01	633334	Mid	bottom	10 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.134	24.50	
3500.01	633334	Mid	bottom	10 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1:1	0.134	24.50	
3930.00	662000	High	back	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.120	27.69	21.75
3930.00	662000	High	back	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.191	25.61	
3930.00	662000	High	front	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.180	25.93	
3930.00	662000	High	front	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.195	25.52	
3750.00	650000	Low	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	137	18.00	1:1	0.215	24.68	
3930.00	662000	High	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1:1	0.471	21.75	
3750.00	650000	Low	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	0	17.91	1:1	0.221	24.47	
3930.00	662000	High	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1:1	0.465	21.75	
3930.00	662000	High	top	10 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	270	0	18.29	1:1	0.374	22.56	
3930.00	662000	High	top	10 mm	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1:1	0.342	22.51	
3930.00	662000	High	back	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.210	24.36	
3930.00	662000	High	back	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.214	24.18	
3930.00	662000	High	front	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.236	23.85	
3930.00	662000	High	front	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.243	23.62	
3750.00	650000	Low	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.12	1:1	0.620	19.20	
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.662	19.37	
3750.00	650000	Low	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	138	17.00	1:1	0.643	18.92	
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.679	19.16	
3930.00	662000	High	top	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	270	0	17.39	1:1	0.675	19.10	
3930.00	662000	High	top	10 mm	NR Band n77	E	100	CP-OFDM	QPSK	1	1	17.10	1:1	0.742	18.40	
3930.00	662000	High	right	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1:1	0.116	26.94	
3930.00	662000	High	right	10 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1:1	0.122	26.62	
3930.00	662000	High	back	10 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.037	30.12	
3930.00	662000	High	front	10 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.018	33.25	
3930.00	662000	High	top	10 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.084	26.56	
3930.00	662000	High	right	10 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1:1	0.009	36.26	
3750.00	650000	Low	back	10 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.044	28.22	
3750.00	650000	Low	front	10 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.040	28.63	
3750.00	650000	Low	bottom	10 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1:1	0.066	26.45	

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Table A-96
DSI = 0 P_{Limit} Calculations – GPRS UMPC Extremity SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
824.20	128	back	14 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.182	37.05	28.86
824.20	128	front	12 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.123	38.75	
824.20	128	bottom	18 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	0.224	36.15	
824.20	128	right	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	1.200	28.86	27.65
1909.80	810	back	14 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.243	31.58	
1909.80	810	front	12 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.219	32.03	
1909.80	810	bottom	18 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.154	33.56	
1909.80	810	right	0 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.601	27.65	

Table A-97
DSI = 0 P_{Limit} Calculations – UMTS UMPC Extremity SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.								(W/kg)			
826.40	4132	back	14 mm	UMTS 850	RMC	A+B	24.84	1:1	0.188	36.08	28.73	
826.40	4132	front	12 mm	UMTS 850	RMC	A+B	24.84	1:1	0.111	38.37		
826.40	4132	bottom	18 mm	UMTS 850	RMC	A+B	24.84	1:1	0.212	35.56		
826.40	4132	right	0 mm	UMTS 850	RMC	A+B	24.84	1:1	1.020	28.73		
1732.40	1412	back	14 mm	UMTS 1750	RMC	B	24.13	1:1	0.223	34.63	27.14	
1732.40	1412	front	12 mm	UMTS 1750	RMC	B	24.13	1:1	0.280	33.64		
1732.40	1412	bottom	18 mm	UMTS 1750	RMC	B	24.13	1:1	0.209	34.91		
1732.40	1412	right	0 mm	UMTS 1750	RMC	B	24.13	1:1	1.250	27.14		
1852.40	9262	back	14 mm	UMTS 1900	RMC	B	24.45	1:1	0.240	34.63	31.19	
1852.40	9262	front	12 mm	UMTS 1900	RMC	B	24.45	1:1	0.311	33.50		
1852.40	9262	bottom	18 mm	UMTS 1900	RMC	B	24.45	1:1	0.206	35.29		
1852.40	9262	right	0 mm	UMTS 1900	RMC	B	24.45	1:1	0.529	31.19		

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Table A-98
DSI = 0 P_{Limit} Calculations – LTE Band 12 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	23095	Mid	back	14 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.222	35.43	27.79
707.50	23095	Mid	front	12 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.138	37.49	
707.50	23095	Mid	bottom	18 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.298	34.15	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	1.280	27.82	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.997	27.79	

Table A-99
DSI = 0 P_{Limit} Calculations – LTE Band 13 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
782.00	23230	Mid	back	14 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.188	34.41	29.49
782.00	23230	Mid	front	12 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.110	36.74	
782.00	23230	Mid	bottom	18 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.283	32.63	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.583	29.49	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.465	29.52	

Table A-100
DSI = 0 P_{Limit} Calculations – LTE Band 26 (Cell) UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
831.50	26865	Mid	back	14 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.222	35.07	29.22
831.50	26865	Mid	front	12 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.142	37.01	
831.50	26865	Mid	bottom	18 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.252	34.52	
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.762	29.71	
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.626	29.22	

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Table A-101
DSI = 0 P_{Limit} Calculations – LTE Band 66 (AWS) UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1745.00	132322	Mid	back	14 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.227	34.55	26.96
1745.00	132322	Mid	back	14 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.172	34.49	
1745.00	132322	Mid	front	12 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.198	35.14	
1745.00	132322	Mid	front	12 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.153	35.00	
1745.00	132322	Mid	bottom	18 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	0.230	34.49	
1745.00	132322	Mid	bottom	18 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.178	34.35	
1720.00	132072	Low	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	23.77	0	1:1	1.200	26.96	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	1.240	27.18	
1770.00	132572	High	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	23.85	0	1:1	1.100	27.42	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.959	27.03	

Table A-102
DSI = 0 P_{Limit} Calculations – LTE Band 4 (AWS) UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.872	22.95	20.35
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.853	23.00	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.895	22.84	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.901	22.76	
1732.50	20175	Mid	top	0 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	1.570	20.40	
1732.50	20175	Mid	top	0 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	1.570	20.35	

Table A-103
DSI = 0 P_{Limit} Calculations – LTE Band 25 (PCS) UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1860.00	26140	Low	back	14 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.242	34.06	30.98
1860.00	26140	Low	back	14 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.180	34.21	
1860.00	26140	Low	front	12 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.245	34.01	
1860.00	26140	Low	front	12 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.181	34.18	
1860.00	26140	Low	bottom	18 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.165	35.72	
1860.00	26140	Low	bottom	18 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.125	35.79	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.492	30.98	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.378	30.98	

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Table A-104
DSI = 0 P_{Limit} Calculations – LTE Band 41 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
2680.00	41490	High	back	14 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.132	32.63	26.87
2680.00	41490	High	back	14 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.129	32.76	
2680.00	41490	High	front	12 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.115	33.23	
2680.00	41490	High	front	12 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.114	33.30	
2680.00	41490	High	bottom	18 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.145	32.22	
2680.00	41490	High	bottom	18 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.144	32.28	
2680.00	41490	High	right	0 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.497	26.87	
2680.00	41490	High	right	0 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.500	26.88	

Table A-105
DSI = 0 P_{Limit} Calculations – NR Band n12 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
707.50	141500	Mid	back	14 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.244	33.73	28.33
707.50	141500	Mid	front	12 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.178	35.10	
707.50	141500	Mid	bottom	18 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.304	32.77	
707.50	141500	Mid	right	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.810	28.51	
707.50	141500	Mid	right	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.843	28.33	

Table A-106
DSI = 0 P_{Limit} Calculations – NR Band n5 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.													(W/kg)		
836.50	167300	Mid	back	14 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.237	34.36	28.71
836.50	167300	Mid	front	12 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.208	34.93	
836.50	167300	Mid	bottom	18 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.244	34.24	
836.50	167300	Mid	right	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.828	28.93	
836.50	167300	Mid	right	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.864	28.71	

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Table A-107
DSI = 0 P_{Limit} Calculations – NR Band n66 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	Low												(W/kg)		
1720.00	344000	Low	back	14 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.216	34.81	27.44
1720.00	344000	Low	back	14 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.224	34.07	
1720.00	344000	Low	front	12 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.203	35.08	
1720.00	344000	Low	front	12 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.198	34.60	
1720.00	344000	Low	bottom	18 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.185	35.49	
1720.00	344000	Low	bottom	18 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	0.186	34.87	
1720.00	344000	Low	right	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.958	28.35	
1720.00	344000	Low	right	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	1.030	27.44	
1770.00	354000	High	back	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.707	24.94	20.37
1770.00	354000	High	back	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.744	24.72	
1770.00	354000	High	front	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.864	24.06	
1770.00	354000	High	front	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.864	24.07	
1720.00	344000	Low	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.31	1:1	1.940	20.41	
1745.00	349000	Mid	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.42	1:1	1.920	20.57	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	1.940	20.55	
1720.00	344000	Low	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.42	1:1	2.010	20.37	
1745.00	349000	Mid	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.44	1:1	1.930	20.56	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	1.990	20.45	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	100	0	19.44	1:1	1.980	20.45	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	19.48	1:1	1.990	20.47	

Table A-108
DSI = 0 P_{Limit} Calculations – NR Band n25 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	Low												(W/kg)		
1860.00	372000	Low	back	14 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.229	33.73	30.87
1860.00	372000	Low	back	14 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.227	33.90	
1860.00	372000	Low	front	12 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.195	34.43	
1860.00	372000	Low	front	12 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.200	34.45	
1860.00	372000	Low	bottom	18 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.215	34.01	
1860.00	372000	Low	bottom	18 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.214	34.16	
1860.00	372000	Low	right	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.426	31.04	
1860.00	372000	Low	right	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.430	31.12	

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Table A-109
DSI = 0 P_{Limit} Calculations – NR Band n41 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2592.99	518598	Mid	back	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.383	26.55	20.34
2592.99	518598	Mid	back	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.540	25.03	
2592.99	518598	Mid	front	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.567	24.84	
2592.99	518598	Mid	front	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.597	24.59	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	1.600	20.34	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	1.590	20.34	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	270	0	18.34	1:1	1.560	20.39	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	CP-OFDM	QPSK	1	1	18.20	1:1	1.430	20.63	
2592.99	518598	Mid	back	14 mm	NR Band n41	B	100	CWSRS	N/A	N/A	N/A	14.68	1:1	0.258	24.54	24.02
2592.99	518598	Mid	front	12 mm	NR Band n41	B	100	CWSRS	N/A	N/A	N/A	14.68	1:1	0.201	25.63	
2592.99	518598	Mid	bottom	18 mm	NR Band n41	B	100	CWSRS	N/A	N/A	N/A	14.68	1:1	0.291	24.02	
2592.99	518598	Mid	right	0 mm	NR Band n41	B	100	CWSRS	N/A	N/A	N/A	14.68	1:1	0.166	26.46	30.08
2592.99	518598	Mid	back	0 mm	NR Band n41	E	100	CWSRS	N/A	N/A	N/A	15.02	1:1	0.053	31.76	
2592.99	518598	Mid	front	0 mm	NR Band n41	E	100	CWSRS	N/A	N/A	N/A	15.02	1:1	0.065	30.87	
2592.99	518598	Mid	top	0 mm	NR Band n41	E	100	CWSRS	N/A	N/A	N/A	15.02	1:1	0.078	30.08	
2592.99	518598	Mid	right	0 mm	NR Band n41	E	100	CWSRS	N/A	N/A	N/A	15.02	1:1	0.043	32.66	
2592.99	518598	Mid	back	0 mm	NR Band n41	C	100	CWSRS	N/A	N/A	N/A	10.85	1:1	0.068	26.50	25.19
2592.99	518598	Mid	front	0 mm	NR Band n41	C	100	CWSRS	N/A	N/A	N/A	10.85	1:1	0.018	32.28	
2592.99	518598	Mid	bottom	0 mm	NR Band n41	C	100	CWSRS	N/A	N/A	N/A	10.85	1:1	0.092	25.19	

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Table A-110
DSI = 0 P_{Limit} Calculations – NR Band n77 UMPC Extremity SAR

MEASUREMENT RESULTS																	
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit		
MHz	Ch.												(W/kg)				
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1.1	0.621	24.10	18.62	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1.1	0.628	23.81		
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1.1	0.951	22.25		
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1.1	0.962	21.96		
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	270	0	17.72	1.1	1.050	21.49		
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1.1	1.870	19.31		
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1.1	1.900	19.00		
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	270	0	17.72	1.1	1.990	18.71		
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1.1	2.000	18.62		
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1.1	0.348	25.48		19.50
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1.1	0.342	25.55		
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1.1	0.923	21.25		
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1.1	0.841	21.64		
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1.1	1.370	19.53		
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1.1	1.310	19.72		
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	E	100	CP-OFDM	QPSK	1	1	16.79	1.1	1.340	19.50		
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	1	1	16.92	1.1	0.998	20.91		
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	QPSK	135	0	16.91	1.1	0.749	22.14		
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1.1	0.064	30.22	23.19	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1.1	0.097	28.41		
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1.1	0.323	23.19		
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	G	100	CW/SRS	N/A	N/A	N/A	14.30	1.1	0.022	34.86		
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1.1	0.271	25.42	25.42	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1.1	0.145	28.14		
3500.01	633334	Mid	bottom	0 mm	NR Band n77 DoD	D	100	CW/SRS	N/A	N/A	N/A	15.77	1.1	0.202	26.70		
3930.00	662000	High	back	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1.1	0.468	25.76	20.07	
3930.00	662000	High	back	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1.1	0.616	24.50		
3930.00	662000	High	front	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1.1	0.857	23.13		
3930.00	662000	High	front	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1.1	0.679	24.08		
3750.00	650000	Low	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	137	18.00	1.1	1.440	20.40		
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1.1	1.200	21.67		
3750.00	650000	Low	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	0	17.91	1.1	1.520	20.07		
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1.1	1.510	20.61		
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	270	0	18.29	1.1	1.290	21.16		
3930.00	662000	High	top	0 mm	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1.1	1.260	20.83		
3930.00	662000	High	back	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1.1	0.526	24.35	19.29	
3930.00	662000	High	back	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1.1	0.525	24.26		
3930.00	662000	High	front	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1.1	0.869	22.17		
3930.00	662000	High	front	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1.1	0.885	21.99		
3750.00	650000	Low	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.12	1.1	1.240	20.17		
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1.1	1.420	20.04		
3750.00	650000	Low	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	138	17.00	1.1	1.320	19.77		
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1.1	1.450	19.85		
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	270	0	17.39	1.1	1.450	19.76		
3930.00	662000	High	top	0 mm	NR Band n77	E	100	CP-OFDM	QPSK	1	1	17.10	1.1	1.510	19.29		
3930.00	662000	High	right	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	1	137	17.58	1.1	0.272	27.21	27.58	
3930.00	662000	High	right	0 mm	NR Band n77	E	100	DFT-S-OFDM	QPSK	135	69	17.48	1.1	0.277	27.03		
3930.00	662000	High	back	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1.1	0.065	31.65		
3930.00	662000	High	front	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1.1	0.076	30.97		
3930.00	662000	High	top	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1.1	0.166	27.58		
3930.00	662000	High	right	0 mm	NR Band n77	G	100	CW/SRS	N/A	N/A	N/A	15.80	1.1	0.019	36.99		
3750.00	650000	Low	back	0 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1.1	0.363	23.03		23.03
3750.00	650000	Low	front	0 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1.1	0.143	27.08		
3750.00	650000	Low	bottom	0 mm	NR Band n77	D	100	CW/SRS	N/A	N/A	N/A	14.65	1.1	0.185	25.96		

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Table A-111
DSI = 2 P_{Limit} Calculations – GPRS UMPC Extremity SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	# of Time Slots	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.									(W/kg)		
824.20	128	back	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	1.240	28.72	28.72
824.20	128	front	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	1.010	29.61	
824.20	128	bottom	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	1.010	29.61	
824.20	128	right	0 mm	GSM 850	GPRS	A+B	3	30.10	1:2.76	1.200	28.86	
1909.80	810	back	0 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.494	23.92	20.07
1909.80	810	front	0 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	0.384	25.02	
1909.80	810	bottom	0 mm	GSM 1900	GPRS	B	4	20.06	1:2.076	1.200	20.07	
1909.80	810	right	0 mm	GSM 1900	GPRS	B	3	25.89	1:2.76	0.601	27.65	

Table A-112
DSI = 2 P_{Limit} Calculations – UMTS UMPC Extremity SAR Data

MEASUREMENT RESULTS												
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.								(W/kg)			
826.40	4132	back	0 mm	UMTS 850	RMC	A+B	24.84	1:1	1.130	28.29	28.29	
826.40	4132	front	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.863	29.46		
826.40	4132	bottom	0 mm	UMTS 850	RMC	A+B	24.84	1:1	0.887	29.34		
826.40	4132	right	0 mm	UMTS 850	RMC	A+B	24.84	1:1	1.020	28.73		
1712.40	1312	back	0 mm	UMTS 1750	RMC	B	18.22	1:1	0.963	22.36	19.37	
1712.40	1312	front	0 mm	UMTS 1750	RMC	B	18.22	1:1	0.882	22.74		
1712.40	1312	bottom	0 mm	UMTS 1750	RMC	B	18.22	1:1	1.920	19.37		
1732.40	1412	bottom	0 mm	UMTS 1750	RMC	B	18.16	1:1	1.730	19.76		
1752.60	1513	bottom	0 mm	UMTS 1750	RMC	B	18.20	1:1	1.650	20.00		
1732.40	1412	right	0 mm	UMTS 1750	RMC	B	24.13	1:1	1.250	27.14		
1852.40	9262	back	0 mm	UMTS 1900	RMC	B	18.15	1:1	0.764	23.30	19.18	
1852.40	9262	front	0 mm	UMTS 1900	RMC	B	18.15	1:1	0.624	24.18		
1852.40	9262	bottom	0 mm	UMTS 1900	RMC	B	18.15	1:1	1.640	19.98		
1880.00	9400	bottom	0 mm	UMTS 1900	RMC	B	18.02	1:1	1.880	19.26		
1907.60	9538	bottom	0 mm	UMTS 1900	RMC	B	18.06	1:1	1.930	19.18		
1852.40	9262	right	0 mm	UMTS 1900	RMC	B	24.45	1:1	0.529	31.19		

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Table A-113
DSI = 2 P_{Limit} Calculations – LTE Band 12 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	23095	Mid	back	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.912	29.29	27.79
707.50	23095	Mid	back	0 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.685	29.42	
707.50	23095	Mid	front	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.776	29.99	
707.50	23095	Mid	front	0 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.570	30.22	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	0.986	28.95	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.747	29.05	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	1	0	24.91	0	1:1	1.280	27.82	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	25	12	23.80	1	1:1	0.997	27.79	

Table A-114
DSI = 2 P_{Limit} Calculations – LTE Band 13 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
782.00	23230	Mid	back	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.548	29.76	29.49
782.00	23230	Mid	back	0 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.441	29.76	
782.00	23230	Mid	front	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.467	30.46	
782.00	23230	Mid	front	0 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.372	30.49	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.293	32.48	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.244	32.33	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	1	0	23.17	0	1:1	0.583	29.49	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	25	12	22.22	1	1:1	0.465	29.52	

Table A-115
DSI = 2 P_{Limit} Calculations – LTE Band 26 (Cell) UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
831.50	26865	Mid	back	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	1.090	28.16	27.74
831.50	26865	Mid	back	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.881	27.74	
831.50	26865	Mid	front	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.743	29.82	
831.50	26865	Mid	front	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.577	29.58	
831.50	26865	Mid	bottom	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.870	29.13	
831.50	26865	Mid	bottom	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.704	28.71	
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	1	0	24.55	0	1:1	0.762	29.71	
831.50	26865	Mid	right	0 mm	LTE Band 26 (Cell)	A+B	15	QPSK	36	37	23.21	1	1:1	0.626	29.22	

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Table A-116
DSI = 2 P_{Limit} Calculations – LTE Band 66 (AWS) UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1745.00	132322	Mid	back	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	1.100	21.73	19.67
1745.00	132322	Mid	back	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	1.090	21.66	
1745.00	132322	Mid	front	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	0.711	23.62	
1745.00	132322	Mid	front	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	0.718	23.47	
1720.00	132072	Low	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	17.76	0	1:1	1.270	20.70	
1745.00	132322	Mid	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	18.16	0	1:1	1.700	19.83	
1770.00	132572	High	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	17.91	0	1:1	1.580	19.90	
1720.00	132072	Low	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	17.95	0	1:1	1.430	20.38	
1745.00	132322	Mid	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.05	0	1:1	1.700	19.72	
1770.00	132572	High	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	18.00	0	1:1	1.490	20.25	
1745.00	132322	Mid	bottom	0 mm	LTE Band 66 (AWS)	B	20	QPSK	100	0	17.87	0	1:1	1.650	19.67	
1720.00	132072	Low	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	23.77	0	1:1	1.200	26.96	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	24.13	0	1:1	1.240	27.18	
1770.00	132572	High	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	1	50	23.85	0	1:1	1.100	27.42	
1745.00	132322	Mid	right	0 mm	LTE Band 66 (AWS)	B	20	QPSK	50	25	22.87	1	1:1	0.959	27.03	

Table A-117
DSI = 2 P_{Limit} Calculations – LTE Band 4 (AWS) UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY		Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit	
MHz	Ch.												(W/kg)			
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.872	22.95	20.35
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.853	23.00	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	0.895	22.84	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	0.901	22.76	
1732.50	20175	Mid	top	0 mm	LTE Band 4 (AWS)	F	20	QPSK	1	50	18.38	0	1:1	1.570	20.40	
1732.50	20175	Mid	top	0 mm	LTE Band 4 (AWS)	F	20	QPSK	50	50	18.33	0	1:1	1.570	20.35	

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Table A-118
DSI = 2 P_{Limit} Calculations – LTE Band 25 (PCS) UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1882.50	26365	Mid	back	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.705	23.53	19.06
1882.50	26365	Mid	back	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.691	23.41	
1882.50	26365	Mid	front	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	0.674	23.72	
1882.50	26365	Mid	front	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	0.677	23.50	
1860.00	26140	Low	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	50	17.90	0	1:1	1.450	20.27	
1882.50	26365	Mid	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	18.03	0	1:1	1.790	19.48	
1905.00	26590	High	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	50	17.77	0	1:1	1.700	19.44	
1860.00	26140	Low	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	25	17.81	0	1:1	1.590	19.78	
1882.50	26365	Mid	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	17.83	0	1:1	1.780	19.31	
1905.00	26590	High	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	25	17.75	0	1:1	1.850	19.06	
1860.00	26140	Low	bottom	0 mm	LTE Band 25 (PCS)	B	20	QPSK	100	0	17.77	0	1:1	1.730	19.37	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	B	20	QPSK	1	99	23.92	0	1:1	0.492	30.98	
1860.00	26140	Low	right	0 mm	LTE Band 25 (PCS)	B	20	QPSK	50	0	22.78	1	1:1	0.378	30.98	

Table A-119
DSI = 2 P_{Limit} Calculations – LTE Band 41 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	MPR [dB]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2680.00	41490	High	back	0 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.938	20.35	16.51
2680.00	41490	High	back	0 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.925	20.24	
2680.00	41490	High	front	0 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	0.562	22.58	
2680.00	41490	High	front	0 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	0.570	22.35	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	1	0	17.65	0	1:1.58	2.000	16.64	
2549.50	40185	Low-Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	1	99	17.64	0	1:1.58	2.000	16.63	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	17.78	0	1:1.58	2.100	16.55	
2636.50	41055	Mid-High	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	17.78	0	1:1.58	2.080	16.59	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	18.08	0	1:1.58	2.010	17.04	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	17.69	0	1:1.58	2.010	16.65	
2549.50	40185	Low-Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	50	50	17.63	0	1:1.58	2.050	16.51	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	17.82	0	1:1.58	2.110	16.57	
2636.50	41055	Mid-High	bottom	0 mm	LTE Band 41	B	20	QPSK	50	0	17.72	0	1:1.58	2.080	16.53	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	50	50	17.91	0	1:1.58	1.980	16.94	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	100	0	17.77	0	1:1.58	1.920	16.93	
2680.00	41490	High	right	0 mm	LTE Band 41	B	20	QPSK	1	50	21.84	0	1:1.58	0.497	26.87	
2680.00	41490	High	right	0 mm	LTE Band 41	B	20	QPSK	50	50	21.87	0	1:1.58	0.500	26.88	

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Table A-120
DSI = 2 P_{Limit} Calculations – NR Band n12 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
707.50	141500	Mid	back	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.674	29.31	28.20
707.50	141500	Mid	back	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.701	29.13	
707.50	141500	Mid	front	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.724	29.00	
707.50	141500	Mid	front	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.754	28.82	
707.50	141500	Mid	bottom	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.851	28.30	
707.50	141500	Mid	bottom	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.868	28.20	
707.50	141500	Mid	bottom	0 mm	NR Band n12	A+B	15	CP-OFDM	QPSK	1	1	21.90	1:1	0.585	28.21	
707.50	141500	Mid	right	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	1	40	23.62	1:1	0.810	28.51	
707.50	141500	Mid	right	0 mm	NR Band n12	A+B	15	DFT-S-OFDM	QPSK	36	22	23.61	1:1	0.843	28.33	

Table A-121
DSI = 2 P_{Limit} Calculations – NR Band n5 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
836.50	167300	Mid	back	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	1.020	28.02	27.71
836.50	167300	Mid	back	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	1.090	27.71	
836.50	167300	Mid	back	0 mm	NR Band n5 (Cell)	A+B	20	CP-OFDM	QPSK	1	1	22.47	1:1	0.744	27.73	
836.50	167300	Mid	front	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.688	29.73	
836.50	167300	Mid	front	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.722	29.49	
836.50	167300	Mid	bottom	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.663	29.89	
836.50	167300	Mid	bottom	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.692	29.68	
836.50	167300	Mid	right	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	1	53	24.13	1:1	0.828	28.93	
836.50	167300	Mid	right	0 mm	NR Band n5 (Cell)	A+B	20	DFT-S-OFDM	QPSK	50	28	24.10	1:1	0.864	28.71	

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Table A-122
DSI = 2 P_{Limit} Calculations – NR Band n66 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1745.00	349000	Mid	back	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.866	23.50	21.18
1745.00	349000	Mid	back	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.894	23.42	
1745.00	349000	Mid	front	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	0.556	25.43	
1745.00	349000	Mid	front	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	0.606	25.10	
1745.00	349000	Mid	bottom	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	53	18.90	1:1	1.410	21.39	
1745.00	349000	Mid	bottom	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	18.95	1:1	1.480	21.23	
1745.00	349000	Mid	bottom	0 mm	NR Band n66 (AWS)	B	20	CP-OFDM	QPSK	1	1	18.90	1:1	1.480	21.18	
1720.00	344000	Low	right	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	1	1	24.18	1:1	0.958	28.35	20.37
1720.00	344000	Low	right	0 mm	NR Band n66 (AWS)	B	20	DFT-S-OFDM	QPSK	50	28	23.59	1:1	1.030	27.44	
1770.00	354000	High	back	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.707	24.94	20.37
1770.00	354000	High	back	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.744	24.72	
1770.00	354000	High	front	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	0.864	24.06	
1770.00	354000	High	front	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	0.864	24.07	
1720.00	344000	Low	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.31	1:1	1.940	20.41	
1745.00	349000	Mid	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.42	1:1	1.920	20.57	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	1	104	19.45	1:1	1.940	20.55	
1720.00	344000	Low	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.42	1:1	2.010	20.37	
1745.00	349000	Mid	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.44	1:1	1.930	20.56	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	50	56	19.46	1:1	1.990	20.45	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	DFT-S-OFDM	QPSK	100	0	19.44	1:1	1.980	20.45	
1770.00	354000	High	top	0 mm	NR Band n66 (AWS)	F	20	CP-OFDM	QPSK	1	1	19.48	1:1	1.990	20.47	

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Table A-123
DSI = 2 P_{Limit} Calculations – NR Band n25 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
1905.00	381000	High	back	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	1.080	21.79	19.71
1905.00	381000	High	back	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	1.080	21.84	
1905.00	381000	High	front	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	0.656	23.95	
1905.00	381000	High	front	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	0.652	24.03	
1860.00	372000	Low	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	17.92	1:1	1.500	20.14	
1882.50	376500	Mid	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.04	1:1	1.650	19.84	
1905.00	381000	High	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	1	18.14	1:1	1.660	19.92	
1860.00	372000	Low	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	56	18.18	1:1	1.500	20.40	
1882.50	376500	Mid	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	56	18.18	1:1	1.670	19.93	
1905.00	381000	High	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	18.19	1:1	1.680	19.92	
1905.00	381000	High	bottom	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	100	0	18.13	1:1	1.690	19.83	
1905.00	381000	High	bottom	0 mm	NR Band n25 (PCS)	B	20	CP-OFDM	QPSK	1	1	18.04	1:1	1.700	19.71	
1860.00	372000	Low	right	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	1	53	23.35	1:1	0.426	31.04	
1860.00	372000	Low	right	0 mm	NR Band n25 (PCS)	B	20	DFT-S-OFDM	QPSK	50	28	23.48	1:1	0.430	31.12	

Table A-124
DSI = 2 P_{Limit} Calculations – NR Band n41 UMPC Extremity SAR

MEASUREMENT RESULTS																
FREQUENCY			Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)														
2592.99	518598	Mid	back	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.383	26.55	20.34
2592.99	518598	Mid	back	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.540	25.03	
2592.99	518598	Mid	front	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	0.567	24.84	
2592.99	518598	Mid	front	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	0.597	24.59	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	1	271	18.40	1:1	1.600	20.34	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	135	0	18.37	1:1	1.590	20.34	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	DFT-S-OFDM	QPSK	270	0	18.34	1:1	1.560	20.39	
2592.99	518598	Mid	top	0 mm	NR Band n41	F	100	CP-OFDM	QPSK	1	1	18.20	1:1	1.430	20.63	
2592.99	518598	Mid	back	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.861	19.31	16.70
2592.99	518598	Mid	front	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.454	22.09	
2592.99	518598	Mid	bottom	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	1.570	16.70	
2592.99	518598	Mid	right	0 mm	NR Band n41	B	100	CW/SRS	N/A	N/A	N/A	14.68	1:1	0.166	26.46	
2592.99	518598	Mid	back	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.053	31.76	30.08
2592.99	518598	Mid	front	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.065	30.87	
2592.99	518598	Mid	top	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.078	30.08	
2592.99	518598	Mid	right	0 mm	NR Band n41	E	100	CW/SRS	N/A	N/A	N/A	15.02	1:1	0.043	32.66	
2592.99	518598	Mid	back	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.068	26.50	
2592.99	518598	Mid	front	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.018	32.28	
2592.99	518598	Mid	bottom	0 mm	NR Band n41	C	100	CW/SRS	N/A	N/A	N/A	10.85	1:1	0.092	25.19	

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Table A-125
DSI = 2 P_{Limit} Calculations – NR Band n77 UMPC Extremity SAR

MEASUREMENT RESULTS															Overall Plimit	
FREQUENCY		Side	Spacing	Mode	Antenna Config	Bandwidth [MHz]	Waveform	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit		
MHz	Ch.												(W/kg)			
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1.1	0.621	24.10	18.62
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1.1	0.628	23.81	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1.1	0.951	22.25	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1.1	0.962	21.96	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	270	0	17.72	1.1	1.050	21.49	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	1	271	18.05	1.1	1.870	19.31	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	135	138	17.81	1.1	1.900	19.00	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	DFT-S-OFDM	QPSK	270	0	17.72	1.1	1.990	18.71	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	F	100	CP-OFDM	QPSK	1	1	17.65	1.1	2.000	18.62	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1.1	0.348	25.48	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	135	0	16.91	1.1	0.342	25.55	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1.1	0.923	21.25	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	135	0	16.91	1.1	0.841	21.64	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1.1	1.370	19.53	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	135	0	16.91	1.1	1.310	19.72	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	E	100	CP-OFDM	N/A	1	1	16.79	1.1	1.340	19.50	
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	1	1	16.92	1.1	0.998	20.91	
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	E	100	DFT-S-OFDM	N/A	135	0	16.91	1.1	0.749	22.14	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1.1	0.064	30.22	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1.1	0.097	28.41	
3500.01	633334	Mid	top	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1.1	0.323	23.19	
3500.01	633334	Mid	right	0 mm	NR Band n77 DoD	G	100	CWSRS	N/A	N/A	N/A	14.30	1.1	0.022	34.86	
3500.01	633334	Mid	back	0 mm	NR Band n77 DoD	D	100	CWSRS	N/A	N/A	N/A	15.77	1.1	0.271	25.42	
3500.01	633334	Mid	front	0 mm	NR Band n77 DoD	D	100	CWSRS	N/A	N/A	N/A	15.77	1.1	0.145	28.14	
3500.01	633334	Mid	bottom	0 mm	NR Band n77 DoD	D	100	CWSRS	N/A	N/A	N/A	15.77	1.1	0.202	26.70	
3930.00	662000	High	back	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1.1	0.468	25.76	
3930.00	662000	High	back	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1.1	0.616	24.50	
3930.00	662000	High	front	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1.1	0.857	23.13	
3930.00	662000	High	front	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1.1	0.679	24.08	
3750.00	650000	Low	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	137	18.00	1.1	1.440	20.40	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	1	271	18.48	1.1	1.200	21.67	
3750.00	650000	Low	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	0	17.91	1.1	1.520	20.07	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	135	69	18.42	1.1	1.510	20.61	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	DFT-S-OFDM	QPSK	270	0	18.29	1.1	1.290	21.16	
3930.00	662000	High	top	0 mm	NR Band n77	F	100	CP-OFDM	QPSK	1	1	17.85	1.1	1.260	20.83	
3930.00	662000	High	back	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1.1	0.526	24.35	
3930.00	662000	High	back	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	69	17.48	1.1	0.525	24.26	
3930.00	662000	High	front	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1.1	0.869	22.17	
3930.00	662000	High	front	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	69	17.48	1.1	0.885	21.99	
3750.00	650000	Low	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.12	1.1	1.240	20.17	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1.1	1.420	20.04	
3750.00	650000	Low	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	138	17.00	1.1	1.320	19.77	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	69	17.48	1.1	1.450	19.85	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	270	0	17.39	1.1	1.450	19.76	
3930.00	662000	High	top	0 mm	NR Band n77	E	100	CP-OFDM	N/A	1	1	17.10	1.1	1.510	19.29	
3930.00	662000	High	right	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	1	137	17.58	1.1	0.272	27.21	
3930.00	662000	High	right	0 mm	NR Band n77	E	100	DFT-S-OFDM	N/A	135	69	17.48	1.1	0.277	27.03	
3930.00	662000	High	back	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1.1	0.065	31.65	
3930.00	662000	High	front	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1.1	0.076	30.97	
3930.00	662000	High	top	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1.1	0.166	27.58	
3930.00	662000	High	right	0 mm	NR Band n77	G	100	CWSRS	N/A	N/A	N/A	15.80	1.1	0.019	36.99	
3750.00	650000	Low	back	0 mm	NR Band n77	D	100	CWSRS	N/A	N/A	N/A	14.65	1.1	0.363	23.03	
3750.00	650000	Low	front	0 mm	NR Band n77	D	100	CWSRS	N/A	N/A	N/A	14.65	1.1	0.143	27.08	
3750.00	650000	Low	bottom	0 mm	NR Band n77	D	100	CWSRS	N/A	N/A	N/A	14.65	1.1	0.185	25.96	

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