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 = 4 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)		
824.20	128	Right	Cheek	GSM 850	GSM	A+B	32.19	1:8.3	0.065	34.86	34.07
824.20	128	Right	Tilt	GSM 850	GSM	A+B	32.19	1:8.3	0.031	38.08	
824.20	128	Left	Cheek	GSM 850	GSM	A+B	32.19	1:8.3	0.043	36.65	
824.20	128	Left	Tilt	GSM 850	GSM	A+B	32.19	1:8.3	0.021	39.77	
824.20	128	Right	Cheek	GSM 850	GSM	A	32.19	1:8.3	0.078	34.07	
824.20	128	Right	Tilt	GSM 850	GSM	A	32.19	1:8.3	0.025	39.01	
824.20	128	Left	Cheek	GSM 850	GSM	A	32.19	1:8.3	0.044	36.55	
824.20	128	Left	Tilt	GSM 850	GSM	A	32.19	1:8.3	0.023	39.37	

Table A-2
DSI = 4 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)		
1850.20	512	Right	Cheek	GSM 1900	GSM	B	29.03	1:8.3	0.021	36.61	34.78
1850.20	512	Right	Tilt	GSM 1900	GSM	B	29.03	1:8.3	0.019	37.04	
1850.20	512	Left	Cheek	GSM 1900	GSM	B	29.03	1:8.3	0.032	34.78	
1850.20	512	Left	Tilt	GSM 1900	GSM	B	29.03	1:8.3	0.014	38.37	

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Table A-3
DSI = 4 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	23.25	1:1	0.061	35.40	33.57
826.40	4132	Right	Tilt	UMTS 850	RMC	A+B	23.25	1:1	0.021	40.03	
826.40	4132	Left	Cheek	UMTS 850	RMC	A+B	23.25	1:1	0.046	36.62	
826.40	4132	Left	Tilt	UMTS 850	RMC	A+B	23.25	1:1	0.022	39.83	
826.40	4132	Right	Cheek	UMTS 850	RMC	A	23.25	1:1	0.093	33.57	
826.40	4132	Right	Tilt	UMTS 850	RMC	A	23.25	1:1	0.031	38.34	
826.40	4132	Left	Cheek	UMTS 850	RMC	A	23.25	1:1	0.064	35.19	
826.40	4132	Left	Tilt	UMTS 850	RMC	A	23.25	1:1	0.028	38.78	

Table A-4
DSI = 4 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]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
707.50	23095	Mid	Right	Cheek	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.069	34.10	34.03
707.50	23095	Mid	Right	Cheek	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.055	34.03	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.032	37.44	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.026	37.28	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.062	34.57	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.044	35.00	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.036	36.93	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.026	37.28	
707.50	23095	Mid	Right	Cheek	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.056	35.01	
707.50	23095	Mid	Right	Cheek	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.047	34.71	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.031	37.58	
707.50	23095	Mid	Right	Tilt	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.026	37.28	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.053	35.25	
707.50	23095	Mid	Left	Cheek	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.042	35.20	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.032	37.44	
707.50	23095	Mid	Left	Tilt	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.025	37.45	

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Table A-5
DSI = 4 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]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
782.00	23230	Mid	Right	Cheek	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.121	32.13	32.13
782.00	23230	Mid	Right	Cheek	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.096	32.15	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.060	35.18	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.043	35.64	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.076	34.15	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.060	34.19	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.039	37.05	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.030	37.20	
782.00	23230	Mid	Right	Cheek	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.093	33.28	
782.00	23230	Mid	Right	Cheek	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.074	33.28	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.050	35.97	
782.00	23230	Mid	Right	Tilt	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.038	36.17	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.072	34.39	
782.00	23230	Mid	Left	Cheek	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.057	34.41	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.037	37.28	
782.00	23230	Mid	Left	Tilt	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.029	37.35	

Table A-6
DSI = 4 P_{Limit} Calculations – LTE Band 5 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
836.50	20525	Mid	Right	Cheek	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.048	36.11	34.30
836.50	20525	Mid	Right	Cheek	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.037	36.10	
836.50	20525	Mid	Right	Tilt	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.025	38.94	
836.50	20525	Mid	Right	Tilt	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.020	38.77	
836.50	20525	Mid	Left	Cheek	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.034	37.61	
836.50	20525	Mid	Left	Cheek	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.028	37.31	
836.50	20525	Mid	Left	Tilt	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.027	38.61	
836.50	20525	Mid	Left	Tilt	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.021	38.56	
836.50	20525	Mid	Right	Cheek	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.072	34.35	
836.50	20525	Mid	Right	Cheek	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.056	34.30	
836.50	20525	Mid	Right	Tilt	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.033	37.73	
836.50	20525	Mid	Right	Tilt	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.026	37.63	
836.50	20525	Mid	Left	Cheek	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.053	35.68	
836.50	20525	Mid	Left	Cheek	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.043	35.45	
836.50	20525	Mid	Left	Tilt	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.037	37.24	
836.50	20525	Mid	Left	Tilt	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.030	37.01	

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Table A-7
DSI = 4 P_{Limit} Calculations – LTE Band 4 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Test Position	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	Right	Cheek	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.084	33.35	33.35
1732.50	20175	Mid	Right	Cheek	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.064	33.37	
1732.50	20175	Mid	Right	Tilt	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.047	35.87	
1732.50	20175	Mid	Right	Tilt	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.037	35.75	
1732.50	20175	Mid	Left	Cheek	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.077	33.73	
1732.50	20175	Mid	Left	Cheek	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.057	33.87	
1732.50	20175	Mid	Left	Tilt	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.043	36.26	
1732.50	20175	Mid	Left	Tilt	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.032	36.38	

Table A-8
DSI = 4 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]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2506.00	39750	Low	Right	Cheek	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.021	37.80	37.05
2506.00	39750	Low	Right	Cheek	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.018	37.49	
2506.00	39750	Low	Right	Tilt	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.015	39.27	
2506.00	39750	Low	Right	Tilt	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.011	39.63	
2506.00	39750	Low	Left	Cheek	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.025	37.05	
2506.00	39750	Low	Left	Cheek	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.018	37.49	
2506.00	39750	Low	Left	Tilt	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.016	38.98	
2506.00	39750	Low	Left	Tilt	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.016	38.00	
2549.50	40185	Low-Mid	Right	Cheek	LTE Band 41	F	20	QPSK	1	50	23.60	1:1.58	0.215	28.29	26.83
2549.50	40185	Low-Mid	Right	Cheek	LTE Band 41	F	20	QPSK	50	25	22.59	1:1.58	0.165	28.43	
2549.50	40185	Low-Mid	Right	Tilt	LTE Band 41	F	20	QPSK	1	50	23.60	1:1.58	0.243	27.76	
2549.50	40185	Low-Mid	Right	Tilt	LTE Band 41	F	20	QPSK	50	25	22.59	1:1.58	0.224	27.10	
2549.50	40185	Low-Mid	Left	Cheek	LTE Band 41	F	20	QPSK	1	50	23.60	1:1.58	0.215	28.29	
2549.50	40185	Low-Mid	Left	Cheek	LTE Band 41	F	20	QPSK	50	25	22.59	1:1.58	0.165	28.43	
2549.50	40185	Low-Mid	Left	Tilt	LTE Band 41	F	20	QPSK	1	50	23.60	1:1.58	0.301	26.83	
2549.50	40185	Low-Mid	Left	Tilt	LTE Band 41	F	20	QPSK	50	25	22.59	1:1.58	0.224	27.10	

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Table A-9
DSI = 0 P_{Limit} Calculations – GSM Body-Worn SAR

MEASUREMENT RESULTS											
FREQUENCY		Side	Spacing	Mode	Service	Antenna Config.	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
824.20	128	back	15 mm	GSM 850	GSM	A+B	32.19	1:8.3	0.079	34.01	34.01
824.20	128	back	15 mm	GSM 850	GSM	A	32.19	1:8.3	0.056	35.51	
1850.20	512	back	15 mm	GSM 1900	GSM	B	29.03	1:8.3	0.221	26.38	26.38

Table A-10
DSI = 0 P_{Limit} Calculations – UMTS Body-Worn SAR

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	23.25	1:1	0.102	33.16	33.16
826.40	4132	back	15 mm	UMTS 850	RMC	A	23.25	1:1	0.093	33.57	

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Table A-11
DSI = 0 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]	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	22.49	1:1	0.114	31.92	31.92
707.50	23095	Mid	back	15 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.086	32.09	
707.50	23095	Mid	back	15 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.097	32.62	
707.50	23095	Mid	back	15 mm	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.072	32.86	
782.00	23230	Mid	back	15 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.116	32.32	32.10
782.00	23230	Mid	back	15 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.097	32.10	
782.00	23230	Mid	back	15 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.109	32.59	
782.00	23230	Mid	back	15 mm	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.086	32.63	
836.50	20525	Mid	back	15 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.108	32.59	32.31
836.50	20525	Mid	back	15 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.083	32.59	
836.50	20525	Mid	back	15 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.115	32.31	
836.50	20525	Mid	back	15 mm	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.088	32.34	
1732.50	20175	Mid	back	15 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.466	25.91	25.88
1732.50	20175	Mid	back	15 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.359	25.88	
2506.00	39750	Low	back	15 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.278	26.59	26.28
2506.00	39750	Low	back	15 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.238	26.28	
2549.50	40185	Low-Mid	back	15 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.047	31.36	31.34
2549.50	40185	Low-Mid	back	15 mm	LTE Band 41	F	20	QPSK	50	25	20.04	1:1.58	0.047	31.34	

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Table A-12
DSI = 6 P_{Limit} Calculations – GPRS Hotspot SAR

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	29.87	1:2.76	0.240	31.64	31.64
824.20	128	front	10 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.098	35.54	
824.20	128	bottom	10 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.088	35.98	
824.20	128	right	10 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.223	31.96	
824.20	128	left	10 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.080	36.41	
824.20	128	back	10 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.163	33.32	
824.20	128	front	10 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.052	38.28	
824.20	128	bottom	10 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.051	38.36	
824.20	128	right	10 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.139	34.01	
1880.00	661	back	10 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.279	23.21	21.18
1880.00	661	front	10 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.106	27.42	
1850.20	512	bottom	10 mm	GSM 1900	GPRS	B	4	20.80	1:2.076	0.379	21.83	
1880.00	661	bottom	10 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.446	21.18	
1909.80	810	bottom	10 mm	GSM 1900	GPRS	B	4	20.84	1:2.076	0.418	21.45	
1880.00	661	right	10 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.053	30.43	
1880.00	661	left	10 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.038	31.87	

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Table A-13
DSI = 6 P_{Limit} Calculations –UMTS Hotspot SAR

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	23.25	1:1	0.216	29.91	
826.40	4132	front	10 mm	UMTS 850	RMC	A+B	23.25	1:1	0.052	36.12	
826.40	4132	bottom	10 mm	UMTS 850	RMC	A+B	23.25	1:1	0.041	37.12	
826.40	4132	right	10 mm	UMTS 850	RMC	A+B	23.25	1:1	0.181	30.67	
826.40	4132	left	10 mm	UMTS 850	RMC	A+B	23.25	1:1	0.069	34.86	29.91
826.40	4132	back	10 mm	UMTS 850	RMC	A	23.25	1:1	0.179	30.72	
826.40	4132	front	10 mm	UMTS 850	RMC	A	23.25	1:1	0.059	35.54	
826.40	4132	bottom	10 mm	UMTS 850	RMC	A	23.25	1:1	0.056	35.77	
826.40	4132	right	10 mm	UMTS 850	RMC	A	23.25	1:1	0.133	32.01	

Table A-14
DSI = 6 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]	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	22.49	1:1	0.159	30.48	
707.50	23095	Mid	back	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.125	30.46	
707.50	23095	Mid	front	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.065	34.36	
707.50	23095	Mid	front	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.051	34.35	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.043	36.16	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.032	36.38	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.161	30.42	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.117	30.75	
707.50	23095	Mid	left	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.086	33.15	29.75
707.50	23095	Mid	left	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.065	33.30	
707.50	23095	Mid	back	10 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.151	30.70	
707.50	23095	Mid	back	10 mm	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.122	30.57	
707.50	23095	Mid	front	10 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.063	34.50	
707.50	23095	Mid	front	10 mm	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.049	34.53	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.055	35.09	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.046	34.80	
707.50	23095	Mid	right	10 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.188	29.75	
707.50	23095	Mid	right	10 mm	LTE Band 12	A	10	QPSK	25	12	21.43	1:1	0.137	30.06	

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Table A-15
DSI = 6 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]	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	49	22.96	1:1	0.190	30.17	
782.00	23230	Mid	back	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.152	30.15	
782.00	23230	Mid	front	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.101	32.92	
782.00	23230	Mid	front	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.082	32.83	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.053	35.72	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.040	35.95	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.202	29.91	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.163	29.85	
782.00	23230	Mid	left	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.084	33.72	29.56
782.00	23230	Mid	left	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.069	33.58	
782.00	23230	Mid	back	10 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.219	29.56	
782.00	23230	Mid	back	10 mm	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.170	29.67	
782.00	23230	Mid	front	10 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.087	33.56	
782.00	23230	Mid	front	10 mm	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.067	33.71	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.092	33.32	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.074	33.28	
782.00	23230	Mid	right	10 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.207	29.80	
782.00	23230	Mid	right	10 mm	LTE Band 13	A	10	QPSK	25	25	21.97	1:1	0.167	29.74	

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Table A-16
DSI = 6 P_{Limit} Calculations – LTE Band 5 (Cell) Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
836.50	20525	Mid	back	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.194	30.04	
836.50	20525	Mid	back	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.158	29.79	
836.50	20525	Mid	front	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.137	31.55	
836.50	20525	Mid	front	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.097	31.92	
836.50	20525	Mid	bottom	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.045	36.38	
836.50	20525	Mid	bottom	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.035	36.29	
836.50	20525	Mid	right	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.250	28.94	
836.50	20525	Mid	right	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.192	28.95	
836.50	20525	Mid	left	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.144	31.34	28.94
836.50	20525	Mid	left	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.095	32.01	
836.50	20525	Mid	back	10 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.237	29.17	
836.50	20525	Mid	back	10 mm	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.181	29.20	
836.50	20525	Mid	front	10 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.057	35.36	
836.50	20525	Mid	front	10 mm	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.042	35.55	
836.50	20525	Mid	bottom	10 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.066	34.72	
836.50	20525	Mid	bottom	10 mm	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.052	34.62	
836.50	20525	Mid	right	10 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.133	31.68	
836.50	20525	Mid	right	10 mm	LTE Band 5 (Cell)	A	10	QPSK	25	0	21.78	1:1	0.106	31.53	

Table A-17
DSI = 6 P_{Limit} Calculations – LTE Band 4 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.465	22.80	
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.468	22.77	
1732.50	20175	Mid	front	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.132	28.26	
1732.50	20175	Mid	front	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.130	28.33	
1732.50	20175	Mid	bottom	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.525	22.27	22.27
1732.50	20175	Mid	bottom	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.525	22.27	
1732.50	20175	Mid	right	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.083	30.28	
1732.50	20175	Mid	right	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.082	30.33	
1732.50	20175	Mid	left	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.066	31.27	
1732.50	20175	Mid	left	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.066	31.27	

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Table A-18
DSI = 6 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]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2506.00	39750	Low	back	10 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.182	23.47	
2506.00	39750	Low	back	10 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.194	23.18	
2506.00	39750	Low	front	10 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.039	30.16	
2506.00	39750	Low	front	10 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.042	29.82	
2506.00	39750	Low	bottom	10 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.271	21.74	21.48
2506.00	39750	Low	bottom	10 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.287	21.48	
2506.00	39750	Low	right	10 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.049	29.16	
2506.00	39750	Low	right	10 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.051	28.98	
2506.00	39750	Low	left	10 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.012	35.27	
2506.00	39750	Low	left	10 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.014	34.59	
2549.50	40185	Low-Mid	back	10 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.089	28.58	
2549.50	40185	Low-Mid	back	10 mm	LTE Band 41	F	20	QPSK	50	25	20.04	1:1.58	0.088	28.61	
2549.50	40185	Low-Mid	front	10 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.035	32.64	
2549.50	40185	Low-Mid	front	10 mm	LTE Band 41	F	20	QPSK	50	25	20.04	1:1.58	0.034	32.74	25.31
2549.50	40185	Low-Mid	top	10 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.189	25.31	
2549.50	40185	Low-Mid	top	10 mm	LTE Band 41	F	20	QPSK	50	25	20.04	1:1.58	0.185	25.38	
2549.50	40185	Low-Mid	left	10 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.051	31.00	
2549.50	40185	Low-Mid	left	10 mm	LTE Band 41	F	20	QPSK	50	25	20.04	1:1.58	0.053	30.81	

Table A-19
DSI = 0 P_{Limit} Calculations – GPRS 850 Phablet SAR

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	12 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.068	41.09	
824.20	128	front	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.085	40.13	
824.20	128	bottom	14 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.058	41.79	
824.20	128	right	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.999	29.42	
824.20	128	left	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.057	41.86	29.42
824.20	128	back	0 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.416	33.23	
824.20	128	front	0 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.085	40.13	
824.20	128	bottom	0 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.444	32.95	
824.20	128	right	0 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.999	29.42	

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Table A-20
DSI = 0 P_{Limit} Calculations – GPRS 1900 Phablet SAR

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)		
1850.20	512	back	12 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.253	31.94	27.54
1850.20	512	front	0 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.696	27.54	
1850.20	512	bottom	14 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.261	31.80	
1850.20	512	right	0 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.431	29.62	
1850.20	512	left	0 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.138	34.57	

Table A-21
DSI = 0 P_{Limit} Calculations – UMTS Phablet SAR

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	23.25	1:1	0.062	39.31	27.19
826.40	4132	front	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.082	38.09	
826.40	4132	bottom	14 mm	UMTS 850	RMC	A+B	23.25	1:1	0.055	39.83	
826.40	4132	right	0 mm	UMTS 850	RMC	A+B	23.25	1:1	1.010	27.19	
826.40	4132	left	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.066	39.03	
826.40	4132	back	0 mm	UMTS 850	RMC	A	23.25	1:1	0.576	29.63	
826.40	4132	front	0 mm	UMTS 850	RMC	A	23.25	1:1	0.080	38.20	
826.40	4132	bottom	0 mm	UMTS 850	RMC	A	23.25	1:1	0.055	39.83	
826.40	4132	right	0 mm	UMTS 850	RMC	A	23.25	1:1	1.010	27.19	

Table A-22
DSI = 0 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]	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	22.49	1:1	0.116	35.82	25.75
707.50	23095	Mid	front	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.102	36.38	
707.50	23095	Mid	bottom	14 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.089	36.98	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.721	27.89	
707.50	23095	Mid	left	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.052	39.31	
707.50	23095	Mid	back	0 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.570	28.91	
707.50	23095	Mid	front	0 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.102	36.38	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	1.180	25.75	
707.50	23095	Mid	right	0 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.718	27.91	

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Table A-23
DSI = 0 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]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.														
782.00	23230	Mid	back	12 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.119	36.18	
782.00	23230	Mid	front	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.108	36.61	
782.00	23230	Mid	bottom	14 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.089	37.45	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.762	28.12	
782.00	23230	Mid	left	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.055	39.54	26.98
782.00	23230	Mid	back	0 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.580	29.31	
782.00	23230	Mid	front	0 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.108	36.61	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.990	26.98	
782.00	23230	Mid	right	0 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.764	28.11	

Table A-24
DSI = 0 P_{Limit} Calculations – LTE Band 5 (Cell) Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.														
836.50	20525	Mid	back	12 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.122	36.04	
836.50	20525	Mid	front	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.111	36.45	
836.50	20525	Mid	bottom	14 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.090	37.36	
836.50	20525	Mid	right	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	1.020	26.81	
836.50	20525	Mid	left	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.059	39.19	26.81
836.50	20525	Mid	back	0 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.544	29.54	
836.50	20525	Mid	front	0 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.110	36.49	
836.50	20525	Mid	bottom	0 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.546	29.53	
836.50	20525	Mid	right	0 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	1.020	26.81	

Table A-25
DSI = 0 P_{Limit} Calculations – LTE Band 4 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g) (W/kg)	Plimit	Overall Plimit
MHz	Ch.														
1732.50	20175	Mid	back	12 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.427	30.27	
1732.50	20175	Mid	back	12 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.329	30.24	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.810	27.48	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.636	27.37	
1732.50	20175	Mid	bottom	14 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.376	30.82	27.37
1732.50	20175	Mid	bottom	14 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.291	30.77	
1732.50	20175	Mid	right	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.606	28.74	
1732.50	20175	Mid	right	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.478	28.62	
1732.50	20175	Mid	left	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.168	34.32	
1732.50	20175	Mid	left	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.130	34.27	

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Table A-26
DSI = 0 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]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2506.00	39750	Low	back	12 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.198	32.04	
2506.00	39750	Low	back	12 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.174	31.62	
2506.00	39750	Low	front	0 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.266	30.76	
2506.00	39750	Low	front	0 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.232	30.37	
2506.00	39750	Low	bottom	14 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.255	30.94	28.67
2506.00	39750	Low	bottom	14 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.220	30.60	
2506.00	39750	Low	right	0 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.399	29.00	
2506.00	39750	Low	right	0 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.343	28.67	
2506.00	39750	Low	left	0 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.143	33.45	
2506.00	39750	Low	left	0 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.131	32.85	
2549.50	40185	Low-Mid	back	0 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.269	27.76	
2549.50	40185	Low-Mid	front	0 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.070	33.60	20.01
2549.50	40185	Low-Mid	top	0 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	1.600	20.01	
2549.50	40185	Low-Mid	left	0 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.127	31.02	

Table A-27
DSI = 2 P_{Limit} Calculations – GPRS 850 Phablet SAR

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	29.87	1:2.76	0.413	33.26	
824.20	128	front	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.085	40.13	
824.20	128	bottom	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.449	32.90	
824.20	128	right	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.999	29.42	
824.20	128	left	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.057	41.86	29.42
824.20	128	back	0 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.416	33.23	
824.20	128	front	0 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.085	40.13	
824.20	128	bottom	0 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.444	32.95	
824.20	128	right	0 mm	GSM 850	GPRS	A	3	29.87	1:2.76	0.999	29.42	

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Table A-28
DSI = 2 P_{Limit} Calculations – GPRS 1900 Phablet SAR

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)		
1880.00	661	back	0 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.980	21.74	
1850.20	512	front	0 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.696	27.54	
1850.20	512	bottom	0 mm	GSM 1900	GPRS	B	4	20.80	1:2.076	1.260	20.60	
1880.00	661	bottom	0 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	1.520	19.83	19.83
1909.80	810	bottom	0 mm	GSM 1900	GPRS	B	4	20.84	1:2.076	1.340	20.37	
1850.20	512	right	0 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.431	29.62	
1850.20	512	left	0 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.138	34.57	

Table A-29
DSI = 2 P_{Limit} Calculations – UMTS Phablet SAR

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	23.25	1:1	0.584	29.57	
826.40	4132	front	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.082	38.09	
826.40	4132	bottom	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.476	30.45	
826.40	4132	right	0 mm	UMTS 850	RMC	A+B	23.25	1:1	1.010	27.19	
826.40	4132	left	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.066	39.03	27.19
826.40	4132	back	0 mm	UMTS 850	RMC	A	23.25	1:1	0.576	29.63	
826.40	4132	front	0 mm	UMTS 850	RMC	A	23.25	1:1	0.080	38.20	
826.40	4132	bottom	0 mm	UMTS 850	RMC	A	23.25	1:1	0.055	39.83	
826.40	4132	right	0 mm	UMTS 850	RMC	A	23.25	1:1	1.010	27.19	

Table A-30
DSI = 2 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]	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	22.49	1:1	0.576	28.87	
707.50	23095	Mid	front	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.102	36.38	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	1.450	24.86	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.721	27.89	
707.50	23095	Mid	left	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.052	39.31	24.86
707.50	23095	Mid	back	0 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.570	28.91	
707.50	23095	Mid	front	0 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.102	36.38	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	1.180	25.75	
707.50	23095	Mid	right	0 mm	LTE Band 12	A	10	QPSK	1	0	22.49	1:1	0.718	27.91	

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Table A-31
DSI = 2 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]	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	49	22.96	1:1	0.581	29.30	
782.00	23230	Mid	front	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.108	36.61	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.993	26.97	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.762	28.12	
782.00	23230	Mid	left	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.055	39.54	26.97
782.00	23230	Mid	back	0 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.580	29.31	
782.00	23230	Mid	front	0 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.108	36.61	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.990	26.98	
782.00	23230	Mid	right	0 mm	LTE Band 13	A	10	QPSK	1	49	22.96	1:1	0.764	28.11	

Table A-32
DSI = 2 P_{Limit} Calculations – LTE Band 5 (Cell) Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
836.50	20525	Mid	back	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.546	29.53	
836.50	20525	Mid	front	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.111	36.45	
836.50	20525	Mid	bottom	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.546	29.53	
836.50	20525	Mid	right	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	1.020	26.81	
836.50	20525	Mid	left	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.059	39.19	26.81
836.50	20525	Mid	back	0 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.544	29.54	
836.50	20525	Mid	front	0 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.110	36.49	
836.50	20525	Mid	bottom	0 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	0.546	29.53	
836.50	20525	Mid	right	0 mm	LTE Band 5 (Cell)	A	10	QPSK	1	25	22.92	1:1	1.020	26.81	

Table A-33
DSI = 2 P_{Limit} Calculations – LTE Band 4 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	1.670	21.22	
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	1.660	21.25	
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	B	20	QPSK	100	0	19.38	1:1	1.620	21.26	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.810	27.48	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.636	27.37	
1732.50	20175	Mid	bottom	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	1.720	21.09	21.09
1732.50	20175	Mid	bottom	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	1.700	21.14	
1732.50	20175	Mid	bottom	0 mm	LTE Band 4 (AWS)	B	20	QPSK	100	0	19.38	1:1	1.670	21.13	
1732.50	20175	Mid	right	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.606	28.74	
1732.50	20175	Mid	right	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.478	28.62	
1732.50	20175	Mid	left	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.168	34.32	
1732.50	20175	Mid	left	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.130	34.27	

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Table A-34
DSI = 2 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]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2506.00	39750	Low	back	0 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	1.100	19.63	
2506.00	39750	Low	back	0 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	1.130	19.50	
2506.00	39750	Low	front	0 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.266	30.76	
2506.00	39750	Low	front	0 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.232	30.37	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	1.130	19.51	19.35
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	1.170	19.35	
2506.00	39750	Low	right	0 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.399	29.00	
2506.00	39750	Low	right	0 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.343	28.67	
2506.00	39750	Low	left	0 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.143	33.45	
2506.00	39750	Low	left	0 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.131	32.85	
2549.50	40185	Low-Mid	back	0 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.269	27.76	
2549.50	40185	Low-Mid	front	0 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.070	33.60	20.01
2549.50	40185	Low-Mid	top	0 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	1.600	20.01	
2549.50	40185	Low-Mid	left	0 mm	LTE Band 41	F	20	QPSK	1	99	20.06	1:1.58	0.127	31.02	

Table A-35
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	GPRS	A+B	3	29.87	1:2.76	0.516	28.31	
824.20	128	front	12 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.512	28.35	28.31
824.20	128	bottom	18 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.512	28.35	
824.20	128	right	10 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.120	34.65	
1850.20	512	back	14 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.250	28.01	
1850.20	512	front	12 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.272	27.64	26.74
1850.20	512	bottom	18 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.335	26.74	
1850.20	512	right	10 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.158	30.00	

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Table A-36
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	23.25	1:1	0.288	28.66	28.66
826.40	4132	front	12 mm	UMTS 850	RMC	A+B	23.25	1:1	0.288	28.66	
826.40	4132	bottom	18 mm	UMTS 850	RMC	A+B	23.25	1:1	0.286	28.69	
826.40	4132	right	10 mm	UMTS 850	RMC	A+B	23.25	1:1	0.191	30.44	

Table A-37
DSI = 0 P_{Limit} Calculations – LTE Band 12 UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
707.50	23095	Mid	back	14 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.486	25.62	25.36
707.50	23095	Mid	front	12 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.516	25.36	
707.50	23095	Mid	bottom	18 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.484	25.64	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.150	30.73	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.110	31.02	

Table A-38
DSI = 0 P_{Limit} Calculations – LTE Band 13 UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
782.00	23230	Mid	back	14 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.491	26.05	25.78
782.00	23230	Mid	front	12 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.522	25.78	
782.00	23230	Mid	bottom	18 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.488	26.08	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.163	30.84	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.128	30.90	

Table A-39
DSI = 0 P_{Limit} Calculations – LTE Band 5 (Cell) UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
836.50	20525	Mid	back	14 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.493	25.99	25.79
836.50	20525	Mid	front	12 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.516	25.79	
836.50	20525	Mid	bottom	18 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.489	26.03	
836.50	20525	Mid	right	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.157	30.96	
836.50	20525	Mid	right	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.121	30.95	

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Table A-40
DSI = 0 P_{Limit} Calculations – LTE Band 4 UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	back	14 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.289	27.98	27.33
1732.50	20175	Mid	back	14 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.221	27.99	
1732.50	20175	Mid	front	12 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.333	27.37	
1732.50	20175	Mid	front	12 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.256	27.35	
1732.50	20175	Mid	bottom	18 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.329	27.42	
1732.50	20175	Mid	bottom	18 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.257	27.33	
1732.50	20175	Mid	right	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.265	28.36	
1732.50	20175	Mid	right	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.212	28.17	

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

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2506.00	39750	Low	back	14 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.311	26.10	24.99
2506.00	39750	Low	back	14 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.256	25.96	
2506.00	39750	Low	front	12 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.312	26.08	
2506.00	39750	Low	front	12 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.260	25.90	
2506.00	39750	Low	bottom	18 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.368	25.37	
2506.00	39750	Low	bottom	18 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.320	24.99	
2506.00	39750	Low	right	10 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.132	29.82	
2506.00	39750	Low	right	10 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.108	29.71	

Table A-42
DSI = 1/5 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	29.87	1:2.76	0.228	31.86	31.67
824.20	128	front	10 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.238	31.67	
824.20	128	bottom	10 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.237	31.69	
824.20	128	right	10 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.120	34.65	
1880.00	661	back	10 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.192	24.84	21.43
1880.00	661	front	10 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.194	24.79	
1880.00	661	bottom	10 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.421	21.43	
1850.20	512	right	10 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.158	30.00	

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Table A-43
DSI = 1/5 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	23.25	1:1	0.253	29.22	29.00
826.40	4132	front	10 mm	UMTS 850	RMC	A+B	23.25	1:1	0.266	29.00	
826.40	4132	bottom	10 mm	UMTS 850	RMC	A+B	23.25	1:1	0.217	29.89	
826.40	4132	right	10 mm	UMTS 850	RMC	A+B	23.25	1:1	0.191	30.44	

Table A-44
DSI = 1/5 P_{Limit} Calculations – LTE Band 12 UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
707.50	23095	Mid	back	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.212	29.23	29.20
707.50	23095	Mid	back	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.167	29.20	
707.50	23095	Mid	front	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.208	29.31	
707.50	23095	Mid	front	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.160	29.39	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.154	30.61	
707.50	23095	Mid	bottom	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.125	30.46	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.150	30.73	
707.50	23095	Mid	right	10 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.110	31.02	

Table A-45
DSI = 1/5 P_{Limit} Calculations – LTE Band 13 UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
782.00	23230	Mid	back	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.252	28.95	28.63
782.00	23230	Mid	back	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.197	29.03	
782.00	23230	Mid	front	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.271	28.63	
782.00	23230	Mid	front	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.208	28.79	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.146	31.32	
782.00	23230	Mid	bottom	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.114	31.40	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.163	30.84	
782.00	23230	Mid	right	10 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.128	30.90	

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Table A-46
DSI = 1/5 P_{Limit} Calculations – LTE Band 5 (Cell) UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
836.50	20525	Mid	back	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.265	28.69	28.65
836.50	20525	Mid	back	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.197	28.84	
836.50	20525	Mid	front	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.267	28.65	
836.50	20525	Mid	front	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.200	28.77	
836.50	20525	Mid	bottom	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.177	30.44	
836.50	20525	Mid	bottom	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.142	30.26	
836.50	20525	Mid	right	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.157	30.96	
836.50	20525	Mid	right	10 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.121	30.95	

Table A-47
DSI = 1/5 P_{Limit} Calculations – LTE Band 4 UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.194	26.59	23.30
1732.50	20175	Mid	back	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.191	26.66	
1732.50	20175	Mid	front	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.201	26.44	
1732.50	20175	Mid	front	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.198	26.50	
1732.50	20175	Mid	bottom	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.414	23.30	
1732.50	20175	Mid	bottom	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.411	23.33	
1732.50	20175	Mid	right	10 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.265	28.36	
1732.50	20175	Mid	right	10 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.212	28.17	

Table A-48
DSI = 1/5 P_{Limit} Calculations – LTE Band 41 UMPC Body SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2506.00	39750	Low	back	10 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.153	24.22	20.75
2506.00	39750	Low	back	10 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.156	24.12	
2506.00	39750	Low	front	10 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.150	24.31	
2506.00	39750	Low	front	10 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.156	24.12	
2506.00	39750	Low	bottom	10 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.323	20.97	
2506.00	39750	Low	bottom	10 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.339	20.75	
2506.00	39750	Low	right	10 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.132	29.82	
2506.00	39750	Low	right	10 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.108	29.71	

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Table A-49
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	29.87	1:2.76	0.227	35.86	29.99
824.20	128	front	12 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.240	35.62	
824.20	128	bottom	18 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.056	41.94	
824.20	128	right	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.877	29.99	
1850.20	512	back	14 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.147	34.30	28.85
1850.20	512	front	12 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.155	34.07	
1850.20	512	bottom	18 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.195	33.07	
1850.20	512	right	0 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.515	28.85	

Table A-50
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	23.25	1:1	0.077	38.36	27.80
826.40	4132	front	12 mm	UMTS 850	RMC	A+B	23.25	1:1	0.058	39.60	
826.40	4132	bottom	18 mm	UMTS 850	RMC	A+B	23.25	1:1	0.055	39.83	
826.40	4132	right	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.876	27.80	

Table A-51
DSI = 0 P_{Limit} Calculations – LTE Band 12 UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
707.50	23095	Mid	back	14 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.089	36.98	26.76
707.50	23095	Mid	front	12 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.095	36.69	
707.50	23095	Mid	bottom	18 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.088	37.02	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.935	26.76	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.650	27.28	

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Table A-52
DSI = 0 P_{Limit} Calculations – LTE Band 13 UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
782.00	23230	Mid	back	14 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.090	37.40	
782.00	23230	Mid	front	12 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.098	37.03	
782.00	23230	Mid	bottom	18 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.089	37.45	28.06
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.772	28.06	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.596	28.20	

Table A-53
DSI = 0 P_{Limit} Calculations – LTE Band 5 (Cell) UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
836.50	20525	Mid	back	14 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.090	37.36	
836.50	20525	Mid	front	12 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.096	37.08	
836.50	20525	Mid	bottom	18 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.089	37.41	27.22
836.50	20525	Mid	right	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.922	27.25	
836.50	20525	Mid	right	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.714	27.22	

Table A-54
DSI = 0 P_{Limit} Calculations – LTE Band 4 UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	back	14 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.170	34.26	
1732.50	20175	Mid	back	14 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.130	34.27	
1732.50	20175	Mid	front	12 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.184	33.92	
1732.50	20175	Mid	front	12 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.142	33.89	27.25
1732.50	20175	Mid	bottom	18 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.189	33.80	
1732.50	20175	Mid	bottom	18 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.147	33.74	
1732.50	20175	Mid	right	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.823	27.42	
1732.50	20175	Mid	right	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.655	27.25	

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Table A-55
DSI = 0 P_{Limit} Calculations – LTE Band 41 UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2506.00	39750	Low	back	14 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.159	32.99	29.21
2506.00	39750	Low	back	14 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.133	32.79	
2506.00	39750	Low	front	12 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.155	33.10	
2506.00	39750	Low	front	12 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.129	32.92	
2506.00	39750	Low	bottom	18 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.194	32.13	
2506.00	39750	Low	bottom	18 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.168	31.77	
2506.00	39750	Low	right	0 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.370	29.32	
2506.00	39750	Low	right	0 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.303	29.21	

Table A-56
DSI = 1 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	29.87	1:2.76	1.350	28.12	27.06
836.60	190	back	0 mm	GSM 850	GPRS	A+B	3	29.50	1:2.76	1.580	27.06	
848.80	251	back	0 mm	GSM 850	GPRS	A+B	3	29.38	1:2.76	1.310	27.76	
824.20	128	front	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	1.220	28.56	
824.20	128	bottom	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	1.210	28.59	
824.20	128	right	0 mm	GSM 850	GPRS	A+B	3	29.87	1:2.76	0.877	29.99	
1880.00	661	back	0 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.676	23.35	19.01
1880.00	661	front	0 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	0.697	23.22	
1850.20	512	bottom	0 mm	GSM 1900	GPRS	B	4	20.80	1:2.076	1.690	19.32	
1880.00	661	bottom	0 mm	GSM 1900	GPRS	B	4	20.85	1:2.076	1.720	19.29	
1909.80	810	bottom	0 mm	GSM 1900	GPRS	B	4	20.84	1:2.076	1.830	19.01	
1850.20	512	right	0 mm	GSM 1900	GPRS	B	3	26.42	1:2.76	0.515	28.85	

Table A-57
DSI = 1 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	23.25	1:1	0.886	27.76	27.76
826.40	4132	front	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.721	28.65	
826.40	4132	bottom	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.839	27.99	
826.40	4132	right	0 mm	UMTS 850	RMC	A+B	23.25	1:1	0.876	27.80	

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Table A-58
DSI = 1 P_{Limit} Calculations – LTE Band 12 UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
707.50	23095	Mid	back	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.458	29.86	26.76
707.50	23095	Mid	back	0 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.362	29.82	
707.50	23095	Mid	front	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.561	28.98	
707.50	23095	Mid	front	0 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.443	28.95	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.522	29.29	
707.50	23095	Mid	bottom	0 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.430	29.07	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	1	0	22.49	1:1	0.935	26.76	
707.50	23095	Mid	right	0 mm	LTE Band 12	A+B	10	QPSK	25	12	21.43	1:1	0.650	27.28	

Table A-59
DSI = 1 P_{Limit} Calculations – LTE Band 13 UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
782.00	23230	Mid	back	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.886	27.47	27.44
782.00	23230	Mid	back	0 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.710	27.44	
782.00	23230	Mid	front	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.710	28.43	
782.00	23230	Mid	front	0 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.566	28.42	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.808	27.87	
782.00	23230	Mid	bottom	0 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.619	28.03	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	1	49	22.96	1:1	0.772	28.06	
782.00	23230	Mid	right	0 mm	LTE Band 13	A+B	10	QPSK	25	25	21.97	1:1	0.596	28.20	

Table A-60
DSI = 1 P_{Limit} Calculations – LTE Band 5 (Cell) UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
836.50	20525	Mid	back	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.927	27.23	27.16
836.50	20525	Mid	back	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.725	27.16	
836.50	20525	Mid	front	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.711	28.38	
836.50	20525	Mid	front	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.550	28.36	
836.50	20525	Mid	bottom	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.900	27.36	
836.50	20525	Mid	bottom	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.703	27.29	
836.50	20525	Mid	right	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	1	25	22.92	1:1	0.922	27.25	
836.50	20525	Mid	right	0 mm	LTE Band 5 (Cell)	A+B	10	QPSK	25	0	21.78	1:1	0.714	27.22	

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Table A-61
DSI = 1 P_{Limit} Calculations – LTE Band 4 UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	0.862	24.09	
1732.50	20175	Mid	back	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	0.852	24.15	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	1.070	23.16	
1732.50	20175	Mid	front	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	1.080	23.12	
1732.50	20175	Mid	bottom	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	19.47	1:1	2.120	20.19	20.19
1732.50	20175	Mid	bottom	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	19.47	1:1	2.120	20.19	
1732.50	20175	Mid	bottom	0 mm	LTE Band 4 (AWS)	B	20	QPSK	100	0	19.38	1:1	2.070	20.20	
1732.50	20175	Mid	right	0 mm	LTE Band 4 (AWS)	B	20	QPSK	1	50	22.59	1:1	0.823	27.42	
1732.50	20175	Mid	right	0 mm	LTE Band 4 (AWS)	B	20	QPSK	50	25	21.43	1:1	0.655	27.25	

Table A-62
DSI = 1 P_{Limit} Calculations – LTE Band 41 UMPC Extremity SAR Data

MEASUREMENT RESULTS															
FREQUENCY			Side	Spacing	Mode	Antenna Config.	Bandwidth [MHz]	Modulation	RB Size	RB Offset	Conducted Power [dBm]	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
2506.00	39750	Low	back	0 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.756	21.26	
2506.00	39750	Low	back	0 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.757	21.24	
2506.00	39750	Low	front	0 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	0.589	22.34	
2506.00	39750	Low	front	0 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	0.618	22.13	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	1	99	18.05	1:1.58	1.490	18.31	
2549.50	40185	Low-Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	1	0	17.84	1:1.58	1.480	18.13	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	17.64	1:1.58	1.450	18.02	
2636.50	41055	Mid-High	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	17.64	1:1.58	1.430	18.08	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	1	50	17.62	1:1.58	1.530	17.77	17.77
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	50	50	18.04	1:1.58	1.500	18.27	
2549.50	40185	Low-Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	17.83	1:1.58	1.410	18.33	
2593.00	40620	Mid	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	17.72	1:1.58	1.410	18.22	
2636.50	41055	Mid-High	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	17.61	1:1.58	1.370	18.24	
2680.00	41490	High	bottom	0 mm	LTE Band 41	B	20	QPSK	50	25	17.64	1:1.58	1.530	17.79	
2506.00	39750	Low	bottom	0 mm	LTE Band 41	B	20	QPSK	100	0	17.95	1:1.58	1.440	18.36	
2506.00	39750	Low	right	0 mm	LTE Band 41	B	20	QPSK	1	99	23.01	1:1.58	0.370	29.32	
2506.00	39750	Low	right	0 mm	LTE Band 41	B	20	QPSK	50	25	22.03	1:1.58	0.303	29.21	

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