

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

A.1 PLIMIT ADJUSTMENTS

SAR test results and powers are referenced from the original filing. Only EFS Plimits were adjusted for simultaneous sum purposes.

Table A-1
DSI = 3 P_{Limit} Calculations – GPRS 850 F/C Head SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	GSM 850	GSM	A	0875M	1-3	-0.04	824.20	128	33.5	32.88	Right Cheek	0	0.126	1.153	0.145	0.470	0.470	0.294	32.6	32.6	29.4
Head	GSM 850	GSM	A	0875M	1-3	-0.11	824.20	128	33.5	32.88	Right Tilt	0	0.057	1.153	0.066	0.213	0.213	0.133	36.1		
Head	GSM 850	GSM	A	0875M	1-3	0.10	824.20	128	33.5	32.88	Left Cheek	0	0.077	1.153	0.089	0.287	0.287	0.179	34.8		
Head	GSM 850	GSM	A	0875M	1-3	0.03	824.20	128	33.5	32.88	Left Tilt	0	0.048	1.153	0.055	0.179	0.179	0.112	36.8		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																					
Spatial Peak																					
Uncontrolled Exposure/General Population																					
													Head								
													1.6 W/kg (mW/g) averaged over 1 gram								
Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	GSM 850	GSM	A+C	0875M	1-3	-0.06	824.20	128	33.5	32.88	Right Cheek	0	0.151	1.153	0.174	0.564	0.564	0.353	31.8	31.8	29.4
Head	GSM 850	GSM	A+C	0875M	1-3	0.07	824.20	128	33.5	32.88	Right Tilt	0	0.062	1.153	0.071	0.231	0.231	0.144	35.7		
Head	GSM 850	GSM	A+C	0875M	1-3	0.07	824.20	128	33.5	32.88	Left Cheek	0	0.070	1.153	0.081	0.261	0.261	0.163	35.2		
Head	GSM 850	GSM	A+C	0875M	1-3	0.06	824.20	128	33.5	32.88	Left Tilt	0	0.043	1.153	0.050	0.161	0.161	0.101	37.3		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																					
Spatial Peak																					
Uncontrolled Exposure/General Population																					
													Head								
													1.6 W/kg (mW/g) averaged over 1 gram								

Table A-2
DSI = 3 P_{Limit} Calculations – GPRS 1900 F/C Head SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	GSM 1900	GSM	B	0881M	1-3	0.08	1850.20	512	31.0	30.25	Right Cheek	0	0.027	1.189	0.032	0.360	0.360	0.225	36.7	36.2	32.3
Head	GSM 1900	GSM	B	0881M	1-3	0.01	1850.20	512	31.0	30.25	Right Tilt	0	0.018	1.189	0.021	0.240	0.240	0.150	38.4		
Head	GSM 1900	GSM	B	0881M	1-3	-0.11	1850.20	512	31.0	30.25	Left Cheek	0	0.030	1.189	0.036	0.400	0.400	0.250	36.2		
Head	GSM 1900	GSM	B	0881M	1-3	0.11	1850.20	512	31.0	30.25	Left Tilt	0	0.018	1.189	0.021	0.240	0.240	0.150	38.4		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																					
Spatial Peak																					
Uncontrolled Exposure/General Population																					
Head																					
1.6 W/kg (mW/g) averaged over 1 gram																					

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

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift (dB)	Frequency (MHz)	Channel #	Max Allowed Power (dBm)	Conducted Power (dBm)	Test Position	Spacing (mm)	Tune state	Measured 1g SAR (W/kg)	Power Scaling Factor	Reported 1g SAR (W/kg)	Adjusted 1g SAR (W/kg)	Adjusted 1g SAR with Multi Tx Factor (W/kg)	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit (dBm)	Overall Plimit (dBm)	EPS Plimit (dBm)
Head	UMTS 850	RMC	A	0875M	1:1	-0.19	836.60	4183	25.3	24.75	Right Cheek	0	0	0.239	1.135	0.271	0.567	0.567	0.354	30.9	30.9	28.5
Head	UMTS 850	RMC	A	0875M	1:1	-0.05	836.60	4183	25.3	24.75	Right Tilt	0	0	0.088	1.135	0.100	0.209	0.209	0.131	35.3		
Head	UMTS 850	RMC	A	0875M	1:1	0.08	836.60	4183	25.3	24.75	Left Cheek	0	0	0.119	1.135	0.135	0.282	0.282	0.176	33.9		
Head	UMTS 850	RMC	A	0875M	1:1	0.06	836.60	4183	25.3	24.75	Left Tilt	0	0	0.077	1.135	0.087	0.183	0.183	0.114	35.8		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																						
Spatial Peak														Head								
Uncontrolled Exposure/General Population														1.6 W/kg (mW/g) averaged over 1 gram								
Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift (dB)	Frequency (MHz)	Channel #	Max Allowed Power (dBm)	Conducted Power (dBm)	Test Position	Spacing (mm)	Tune state	Measured 1g SAR (W/kg)	Power Scaling Factor	Reported 1g SAR (W/kg)	Adjusted 1g SAR (W/kg)	Adjusted 1g SAR with Multi Tx Factor (W/kg)	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit (dBm)	Overall Plimit (dBm)	EPS Plimit (dBm)
Head	UMTS 850	RMC	A+C	0875M	1:1	0.03	836.60	4183	25.3	24.75	Right Cheek	0	0	0.204	1.135	0.232	0.484	0.484	0.303	31.6	31.6	28.5
Head	UMTS 850	RMC	A+C	0875M	1:1	0.05	836.60	4183	25.3	24.75	Right Tilt	0	0	0.091	1.135	0.103	0.216	0.216	0.135	35.1		
Head	UMTS 850	RMC	A+C	0875M	1:1	0.05	836.60	4183	25.3	24.75	Left Cheek	0	0	0.106	1.135	0.120	0.251	0.251	0.157	34.4		
Head	UMTS 850	RMC	A+C	0875M	1:1	0.04	836.60	4183	25.3	24.75	Left Tilt	0	0	0.062	1.135	0.070	0.147	0.147	0.092	36.8		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																						
Spatial Peak														Head								
Uncontrolled Exposure/General Population														1.6 W/kg (mW/g) averaged over 1 gram								

Table A-4
DSI = 3 P_{Limit} Calculations – LTE B12 F/C Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	LTE Band 12	10	QPSK	A	0875M	1-1	0.00	707.50	2305	0.0	25.2	24.25	1	0	Right Cheek	0	10	0.121	1.245	0.151	0.415	0.415	0.259	33.4	33.1	29.6
Head	LTE Band 12	10	QPSK	A	0875M	1-1	-0.03	707.50	2305	1.0	24.2	23.25	25	12	Right Cheek	0	10	0.102	1.256	0.128	0.444	0.444	0.278	33.1		
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	0.00	707.50	2305	0.0	25.2	24.25	1	0	Right Tilt	0	10	0.089	1.245	0.086	0.217	0.217	0.148	35.8		
Head	LTE Band 12	10	QPSK	A	0875M	1-1	0.06	707.50	2305	1.0	24.2	23.25	25	12	Right Tilt	0	10	0.069	1.256	0.074	0.217	0.217	0.161	35.9		
Head	LTE Band 12	10	QPSK	A	0875M	1-1	-0.01	707.50	2305	0.0	25.2	24.25	1	0	Left Cheek	0	9	0.093	1.245	0.116	0.319	0.319	0.199	34.9		
Head	LTE Band 12	10	QPSK	A	0875M	1-1	-0.03	707.50	2305	1.0	24.2	23.25	25	12	Left Cheek	0	9	0.069	1.256	0.087	0.305	0.305	0.188	34.9		
Head	LTE Band 12	10	QPSK	A	0875M	1-1	0.00	707.50	2305	0.0	25.2	24.25	1	0	Left Tilt	0	10	0.063	1.245	0.066	0.182	0.182	0.114	37.0		
Head	LTE Band 12	10	QPSK	A	0875M	1-1	-0.18	707.50	2305	1.0	24.2	23.25	25	12	Left Tilt	0	10	0.046	1.256	0.057	0.196	0.196	0.113	36.8		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
																		1.6 W/kg (W/kg) averaged over 1 gram								
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	0.17	707.50	2305	0.0	25.2	24.25	1	0	Right Cheek	0	10	0.122	1.245	0.157	0.418	0.418	0.261	33.3	33.1	29.6
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	-0.05	707.50	2305	1.0	24.2	23.25	25	12	Right Cheek	0	10	0.097	1.256	0.122	0.422	0.422	0.264	33.3		
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	0.00	707.50	2305	0.0	25.2	24.25	1	0	Right Tilt	0	9	0.087	1.245	0.083	0.219	0.219	0.144	35.8		
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	0.08	707.50	2305	1.0	24.2	23.25	25	12	Right Tilt	0	9	0.063	1.256	0.067	0.211	0.211				
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	0.00	707.50	2305	0.0	25.2	24.25	1	0	Left Cheek	0	9	0.088	1.245	0.110	0.302	0.302	0.189	34.8		
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	-0.03	707.50	2305	1.0	24.2	23.25	25	12	Left Cheek	0	9	0.074	1.256	0.089	0.306	0.306	0.193	34.8		
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	0.00	707.50	2305	0.0	25.2	24.25	1	0	Left Tilt	0	10	0.063	1.245	0.066	0.182	0.182	0.114	37.0		
Head	LTE Band 12	10	QPSK	A+C	0875M	1-1	-0.01	707.50	2305	1.0	24.2	23.25	25	12	Left Tilt	0	10	0.056	1.256	0.070	0.244	0.244	0.135	35.7		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
																		1.6 W/kg (W/kg) averaged over 1 gram								

Table A-5
DSI = 2 P_{Limit} Calculations – LTE B13 F/O Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor [g SAR]	Pintit [dBm]	Overall Pintit [dBm]	EFS Pintit [dBm]
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.56	782.00	23230	0.0	25.5	24.79	1	0	Right Cheek	0	0	0.009	1.178	0.070	0.163	0.163	0.163	37.0	31.5	29.2
Head	LTE Band 13	10	QPSK	A	0875M	1:1	-0.03	782.00	23230	1.0	24.5	23.71	25	12	Right Cheek	0	0	0.008	1.178	0.048	0.145	0.145	0.145	37.1		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.05	782.00	23230	0.0	25.5	24.79	1	0	Right Tib	0	0	0.006	1.178	0.071	0.166	0.166	0.164	37.0		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	0.00	782.00	23230	1.0	24.5	23.76	25	12	Right Tib	0	0	0.005	1.199	0.054	0.159	0.159	0.159	37.1		
Head	LTE Band 13	10	QPSK	A	0875M	1:1	-0.09	782.00	23230	0.0	25.5	24.79	1	0	Left Cheek	0	0	0.013	1.178	0.251	0.588	0.588	0.588	35.1		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	0.04	782.00	23230	1.0	24.5	23.75	25	12	Left Cheek	0	0	0.004	1.199	0.107	0.581	0.581	0.583	31.5		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	0.06	782.00	23230	0.0	25.5	24.79	1	0	Left Tib	0	0	0.014	1.178	0.124	0.315	0.315	0.307	34.3		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	0.00	782.00	23230	1.0	24.5	23.71	25	12	Left Tib	0	0	0.007	1.199	0.104	0.308	0.308	0.303	34.3		
ANSI/IEEE C63.19-2012 - SAFETY LIMIT																		Head		1.6 W/kg (mW/g) averaged over 1 gram						
Spatial Peak																		Uncontrolled Exposure/General Population								

Table A-6
DSI = 3 P_{Limit} Calculations – LTE B13 F/C Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor [g SAR]	Pintit [dBm]	Overall Pintit [dBm]	EFS Pintit [dBm]
Head	LTE Band 13	10	QPSK	A	0875M	1:1	-0.06	782.00	23230	0.0	25.5	24.79	1	0	Right Cheek	0	0	0.006	1.178	0.096	0.164	0.164	0.163	37.0	32.5	30.1
Head	LTE Band 13	10	QPSK	A	0875M	1:1	-0.03	782.00	23230	1.0	24.5	23.71	25	12	Right Cheek	0	0	0.010	1.199	0.132	0.479	0.479	0.299	33.2		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.03	782.00	23230	0.0	25.5	24.79	1	0	Right Tib	0	0	0.009	1.178	0.117	0.139	0.139	0.139	34.8		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.14	782.00	23230	1.0	24.5	23.71	25	12	Right Tib	0	0	0.004	1.199	0.078	0.283	0.283	0.177	35.1		
Head	LTE Band 13	10	QPSK	A	0875M	1:1	0.12	782.00	23230	0.0	25.5	24.79	1	0	Left Cheek	0	0	0.004	1.178	0.107	0.309	0.309	0.193	35.1		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.03	782.00	23230	1.0	24.5	23.76	25	12	Left Cheek	0	0	0.006	1.199	0.087	0.296	0.296	0.185	35.1		
Head	LTE Band 13	10	QPSK	A	0875M	1:1	-0.09	782.00	23230	0.0	25.5	24.79	1	0	Left Tib	0	0	0.005	1.178	0.072	0.207	0.207	0.129	36.1		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	0.05	782.00	23230	1.0	24.5	23.75	25	12	Left Tib	0	0	0.009	1.199	0.047	0.170	0.170	0.106	37.7		
ANSI/IEEE C63.19-2012 - SAFETY LIMIT																		Head		1.6 W/kg (mW/g) averaged over 1 gram						
Spatial Peak																		Uncontrolled Exposure/General Population								
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor [g SAR]	Pintit [dBm]	Overall Pintit [dBm]	EFS Pintit [dBm]
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.09	782.00	23230	0.0	25.5	24.79	1	0	Right Cheek	0	0	0.013	1.178	0.145	0.418	0.418	0.261	31.8	33.4	30.1
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.03	782.00	23230	1.0	24.5	23.71	25	12	Right Cheek	0	0	0.005	1.199	0.126	0.457	0.457	0.286	33.4		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.14	782.00	23230	0.0	25.5	24.79	1	0	Right Tib	0	0	0.013	1.178	0.084	0.241	0.241	0.151	36.2		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.03	782.00	23230	1.0	24.5	23.71	25	12	Right Tib	0	0	0.004	1.199	0.062	0.226	0.226	0.141	36.1		
Head	LTE Band 13	10	QPSK	A	0875M	1:1	0.06	782.00	23230	0.0	25.5	24.79	1	0	Left Cheek	0	0	0.019	1.178	0.093	0.268	0.268	0.168	35.8		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.04	782.00	23230	1.0	24.5	23.76	25	12	Left Cheek	0	0	0.005	1.199	0.066	0.240	0.240	0.150	36.1		
Head	LTE Band 13	10	QPSK	A	0875M	1:1	-0.09	782.00	23230	0.0	25.5	24.79	1	0	Left Tib	0	0	0.005	1.178	0.072	0.207	0.207	0.129	36.1		
Head	LTE Band 13	10	QPSK	A+C	0875M	1:1	0.07	782.00	23230	1.0	24.5	23.75	25	12	Left Tib	0	0	0.007	1.199	0.056	0.205	0.205	0.128	36.9		
ANSI/IEEE C63.19-2012 - SAFETY LIMIT																		Head		1.6 W/kg (mW/g) averaged over 1 gram						
Spatial Peak																		Uncontrolled Exposure/General Population								

Table A-7
DSI = 3 P_{Limit} Calculations – LTE B5 F/C Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor [g SAR]	Pintit [dBm]	Overall Pintit [dBm]	EFS Pintit [dBm]
Head	LTE Band 5	10	QPSK	A	0875M	1:1	-0.05	836.50	20525	0.0	25.5	24.79	1	25	Right Cheek	0	0	0.222	1.178	0.262	0.559	0.559	0.349	31.3	31.2	28.8
Head	LTE Band 5	10	QPSK	A	0875M	1:1	-0.04	836.50	20525	1.0	24.5	23.80	25	25	Right Cheek	0	0	0.179	1.175	0.210	0.566	0.566	0.354	31.2		
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	-0.14	836.50	20525	0.0	25.5	24.79	1	25	Right Tib	0	0	0.249	1.178	0.117	0.249	0.249	0.154	35.4		
Head	LTE Band 5	10	QPSK	A	0875M	1:1	-0.03	836.50	20525	1.0	24.5	23.80	25	25	Right Tib	0	0	0.077	1.175	0.090	0.243	0.243	0.152	34.9		
Head	LTE Band 5	10	QPSK	A	0875M	1:1	-0.01	836.50	20525	0.0	25.5	24.79	1	25	Left Cheek	0	0	0.121	1.178	0.143	0.305	0.305	0.191	33.0		
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	-0.06	836.50	20525	1.0	24.5	23.80	25	25	Left Cheek	0	0	0.005	1.175	0.107	0.288	0.288	0.180	34.1		
Head	LTE Band 5	10	QPSK	A	0875M	1:1	0.06	836.50	20525	0.0	25.5	24.79	1	25	Left Tib	0	0	0.009	1.178	0.070	0.149	0.149	0.093	37.0		
Head	LTE Band 5	10	QPSK	A	0875M	1:1	0.31	836.50	20525	1.0	24.5	23.80	25	25	Left Tib	0	0	0.007	1.175	0.051	0.149	0.149	0.093	37.0		
ANSI/IEEE C63.19-2012 - SAFETY LIMIT																		Head		1.6 W/kg (mW/g) averaged over 1 gram						
Spatial Peak																		Uncontrolled Exposure/General Population								
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor [g SAR]	Pintit [dBm]	Overall Pintit [dBm]	EFS Pintit [dBm]
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	-0.05	836.50	20525	0.0	25.5	24.79	1	25	Right Cheek	0	45	0.212	1.178	0.250	0.534	0.534	0.334	31.5	31.5	28.8
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	-0.03	836.50	20525	1.0	24.5	23.80	25	25	Right Cheek	0	108	0.124	1.175	0.181	0.487	0.487	0.304	31.9		
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	-0.10	836.50	20525	0.0	25.5	24.79	1	25	Right Tib	0	45	0.249	1.178	0.117	0.249	0.249	0.154	35.4		
Head	LTE Band 5	10	QPSK	A	0875M	1:1	-0.03	836.50	20525	1.0	24.5	23.80	25	25	Right Tib	0	45	0.068	1.175	0.080	0.215	0.215	0.134	35.4		
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	-0.06	836.50	20525	0.0	25.5	24.79	1	25	Left Cheek	0	45	0.137	1.178	0.161	0.345	0.345	0.216	33.4		
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	-0.02	836.50	20525	1.0	24.5	23.80	25	25	Left Cheek	0	45	0.005	1.175	0.123	0.312	0.312	0.200	33.1		
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	0.06	836.50	20525	0.0	25.5	24.79	1	25	Left Tib	0	45	0.009	1.178	0.070	0.149	0.149	0.093	37.0		
Head	LTE Band 5	10	QPSK	A+C	0875M	1:1	0.31	836.50	20525	1.0	24.5	23.80	25	25	Left Tib	0	45	0.007	1.175	0.081	0.225	0.225	0.141	35.2		
ANSI/IEEE C63.19-2012 - SAFETY LIMIT																		Head		1.6 W/kg (mW/g) averaged over 1 gram						
Spatial Peak																		Uncontrolled Exposure/General Population								

Table A-10
DSI = 3 P_{Limit} Calculations – LTE B41 F/C Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens. [dB]	Frequency [MHz]	Channel #	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Ant1 Info	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	RF5 Plimit [dBm]
Head	LTE Band 41	20	QPSK	B	1090M	1:1.58	0.11	2680.00	41490	0.0	25.0	24.89	1	99	Right Cheek	0	N/A	0.024	1.025	0.025	0.048	0.048	0.261	39.1		
Head	LTE Band 41	20	QPSK	B	1090M	1:1.58	0.10	2680.00	41490	0.0	25.0	24.78	1	0	Right Cheek	0	N/A	0.022	1.023	0.023	0.035	0.035	0.146	39.3		
Head	LTE Band 41	20	QPSK	B	1090M	1:1.58	0.14	2680.00	41490	1.0	24.0	23.09	50	0	Right Cheek	0	N/A	0.046	1.233	0.020	0.422	0.422	0.264	39.0		
Head	LTE Band 41	20	QPSK	B	1090M	1:1.58	0.10	2680.00	41490	1.0	25.0	25.00	50	99	Right Tilt	0	N/A	0.022	1.025	0.022	0.046	0.046	0.260	39.5		
Head	LTE Band 41	20	QPSK	B	1090M	1:1.58	0.09	2680.00	41490	1.0	25.0	24.99	50	0	Right Tilt	0	N/A	0.020	1.023	0.020	0.034	0.034	0.145	41.1		
Head	LTE Band 41	20	QPSK	B	0872M	1:1.58	0.03	2680.00	41490	0.0	25.0	24.89	1	99	Left Cheek	0	N/A	0.008	1.025	0.008	0.139	0.139	0.087	43.8		
Head	LTE Band 41	20	QPSK	B	0872M	1:1.58	0.03	2680.00	41490	1.0	24.0	23.09	50	0	Left Cheek	0	N/A	0.009	1.233	0.012	0.264	0.264	0.165	45.1		
Head	LTE Band 41	20	QPSK	B	0872M	1:1.58	0.06	2680.00	41490	0.0	25.0	24.89	1	99	Left Tilt	0	N/A	0.006	1.026	0.006	0.105	0.105	0.066	45.1		
Head	LTE Band 41	20	QPSK	B	0872M	1:1.58	0.02	2680.00	41490	1.0	24.0	23.09	50	0	Left Tilt	0	N/A	0.005	1.233	0.006	0.132	0.132	0.083	44.1		
Head	LTE Band 41	20	QPSK	B	1090M	1:1.58	0.11	2680.00	41490	0.0	25.0	24.89	1	99	Right Cheek	0	ULCA 41C	0.030	1.081	0.022	0.367	0.367	0.239	39.6		
ANSI/IEEE CS3.1.1982 - SAFETY LIMIT																		Head								
Spatial Peak																		1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																		averaged over 1 gram								

Table A-11
DSI = 3 P_{Limit} Calculations – NR n5 F/C Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens [dB]	Frequency [MHz]	Channel #	Waveform	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	RF5 Plimit [dBm]
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.12	836.50	167300	DTT+CPDM	0.0	25.0	23.99	1	1	Right Cheek	0	0	0.189	1.262	0.231	0.505	0.505	0.316	31.9		
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.09	836.50	167300	DTT+CPDM	0.0	25.0	23.91	50	28	Right Cheek	0	0	0.179	1.262	0.205	0.437	0.437	0.286	31.9		
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.11	836.50	167300	CP-OFDM	1.5	23.5	22.56	1	1	Right Cheek	0	0	0.151	1.262	0.163	0.503	0.503	0.314	31.9		
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.17	836.50	167300	DTT+CPDM	0.0	25.0	23.99	1	1	Right Tilt	0	0	0.289	1.262	0.111	0.243	0.243	0.152	34.5		
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.09	836.50	167300	DTT+CPDM	0.0	25.0	23.91	50	28	Right Tilt	0	0	0.279	1.262	0.111	0.242	0.242	0.151	34.5		
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.07	836.50	167300	DTT+CPDM	0.0	25.0	23.99	1	1	Left Cheek	0	0	0.119	1.262	0.144	0.335	0.335	0.197	33.4		
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.07	836.50	167300	DTT+CPDM	0.0	25.0	23.91	50	28	Left Cheek	0	0	0.127	1.262	0.120	0.330	0.330	0.200	33.4		
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.09	836.50	167300	DTT+CPDM	0.0	25.0	23.99	1	1	Left Tilt	0	0	0.095	1.262	0.096	0.210	0.210	0.131	35.1		
Head	NR Band n5	20	QPSK	A	0879M	1:1	0.05	836.50	167300	DTT+CPDM	0.0	25.0	23.91	50	28	Left Tilt	0	0	0.072	1.262	0.093	0.202	0.202	0.126	35.3		
ANSI/IEEE CS3.1.1982 - SAFETY LIMIT																		Head									
Spatial Peak																		1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population																		averaged over 1 gram									
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.02	836.50	167300	DTT+CPDM	0.0	25.0	23.99	1	1	Right Cheek	0	0	0.189	1.262	0.239	0.522	0.522	0.326	31.9		
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.08	836.50	167300	DTT+CPDM	0.0	25.0	23.91	50	28	Right Cheek	0	0	0.189	1.262	0.160	0.405	0.405	0.260	31.9		
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.12	836.50	167300	CP-OFDM	1.5	23.5	22.56	1	1	Right Cheek	0	0	0.150	1.262	0.160	0.405	0.405	0.260	31.9		
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.08	836.50	167300	DTT+CPDM	0.0	25.0	23.99	1	1	Right Tilt	0	0	0.289	1.262	0.103	0.223	0.223	0.138	34.9		
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.08	836.50	167300	DTT+CPDM	0.0	25.0	23.91	50	28	Right Tilt	0	0	0.279	1.262	0.102	0.222	0.222	0.139	34.9		
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.06	836.50	167300	DTT+CPDM	0.0	25.0	23.99	1	1	Left Cheek	0	0	0.109	1.262	0.134	0.293	0.293	0.183	33.7		
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.06	836.50	167300	DTT+CPDM	0.0	25.0	23.91	50	28	Left Cheek	0	0	0.109	1.262	0.105	0.286	0.286	0.180	33.8		
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.09	836.50	167300	DTT+CPDM	0.0	25.0	23.99	1	1	Left Tilt	0	0	0.087	1.262	0.110	0.240	0.240	0.150	34.5		
Head	NR Band n5	20	QPSK	A/C	0881M	1:1	0.05	836.50	167300	DTT+CPDM	0.0	25.0	23.91	50	28	Left Tilt	0	0	0.087	1.262	0.112	0.245	0.245	0.153	34.5		
ANSI/IEEE CS3.1.1982 - SAFETY LIMIT																		Head									
Spatial Peak																		1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population																		averaged over 1 gram									

Table A-12
DSI = 3 P_{Limit} Calculations – NR n66 F/C Head SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens. [dB]	Frequency [MHz]	Channel #	Waveform	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 1g SAR with Multi-Tx Factor [W/kg]	Exposure Ratio with Multi-Tx Factor (1g SAR)	Plimit [dBm]	Overall Plimit [dBm]	RF5 Plimit [dBm]
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.04	1745.00	349000	DTT+CPDM	0.0	25.0	23.85	1	214	Right Cheek	0	0.085	1.180	0.117	0.338	0.338	0.211	34.3		
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.04	1745.00	349000	DTT+CPDM	0.0	25.0	23.48	108	54	Right Cheek	0	0.081	1.429	0.118	0.340	0.340	0.213	34.3		
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.09	1745.00	349000	CP-OFDM	1.5	23.5	22.15	1	54	Right Cheek	0	0.056	1.180	0.076	0.311	0.311	0.194	34.5		
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.08	1745.00	349000	DTT+CPDM	0.0	25.0	23.48	1	214	Right Tilt	0	0.077	1.180	0.079	0.227	0.227	0.142	36.0		
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.02	1745.00	349000	DTT+CPDM	0.0	25.0	23.48	108	54	Right Tilt	0	0.048	1.439	0.068	0.196	0.196	0.123	36.1	34.2	29.6
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.09	1745.00	349000	DTT+CPDM	0.0	25.0	23.48	108	54	Left Cheek	0	0.056	1.180	0.076	0.243	0.243	0.152	35.7		
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.01	1745.00	349000	DTT+CPDM	0.0	25.0	23.48	108	54	Left Cheek	0	0.039	1.429	0.079	0.229	0.229	0.143	35.9		
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.18	1745.00	349000	DTT+CPDM	0.0	25.0	23.60	1	214	Left Tilt	0	0.050	1.180	0.069	0.199	0.199	0.124	36.1		
Head	NR Band n66	40	QPSK	B	0881M	1:1	0.09	1745.00	349000	DTT+CPDM	0.0	25.0	23.48	108	54	Left Tilt	0	0.049	1.429	0.084	0.241	0.241	0.151	35.7		
ANSI/IEEE CS3.1.1982 - SAFETY LIMIT																		Head								
Spatial Peak																		1.6 W/kg (10W/kg)								
Uncontrolled Exposure (General Population)																		averaged over 10 min								

A.2 SAR TEST RESULTS

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.
See RF Exposure SAR Evaluation Report (Part 1) section 12 for 5/6 GHz WLAN SAR data.

Table A-15
DSI = 1 P_{Limit} Calculations – GPRS 850 Phablet SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	GPRS 850	GPRS 3 Tx Slots	A	0879M	1:2.76	-0.12	836.60	190	29.76	Back	0	1.150	28.7	28.7	25.6
Phablet	GPRS 850	GPRS 3 Tx Slots	A	0879M	1:2.76	0.02	836.60	190	29.76	Front	0	0.470	32.5		
Phablet	GPRS 850	GPRS 3 Tx Slots	A	0879M	1:2.76	-0.09	836.60	190	29.76	Bottom	0	0.928	29.6		
Phablet	GPRS 850	GPRS 3 Tx Slots	A	0879M	1:2.76	0.01	836.60	190	29.76	Right	0	0.791	30.3		
Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	GPRS 850	GPRS 3 Tx Slots	A+C	0878M	1:2.76	0.01	836.60	190	29.76	Back	0	0.680	30.9	30.9	25.6
Phablet	GPRS 850	GPRS 3 Tx Slots	A+C	0878M	1:2.76	0.01	836.60	190	29.76	Front	0	0.297	34.5		
Phablet	GPRS 850	GPRS 3 Tx Slots	A+C	0878M	1:2.76	0.02	836.60	190	29.76	Bottom	0	0.459	32.6		
Phablet	GPRS 850	GPRS 3 Tx Slots	A+C	0878M	1:2.76	-0.05	836.60	190	29.76	Right	0	0.486	32.4		
Phablet	GPRS 850	GPRS 3 Tx Slots	A+C	0878M	1:2.76	-0.04	836.60	190	29.76	Left	0	0.031	44.3		

Table A-16
DSI = 1 P_{Limit} Calculations – GPRS 1900 Phablet SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	GPRS 1900	GPRS 4 Tx Slots	B	0881M	1:2.076	-0.04	1850.20	512	21.39	Back	0	0.480	25.3	24.8	18.3
Phablet	GPRS 1900	GPRS 4 Tx Slots	B	0881M	1:2.076	0.00	1850.20	512	21.39	Front	0	0.288	27.5		
Phablet	GPRS 1900	GPRS 4 Tx Slots	B	0881M	1:2.076	0.00	1850.20	512	21.39	Bottom	0	0.536	24.8		
Phablet	GPRS 1900	GPRS 4 Tx Slots	B	0881M	1:2.076	-0.07	1850.20	512	21.39	Left	0	0.095	32.4		

Table A-17
DSI = 1 P_{Limit} Calculations – UMTS 850 Phablet SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	UMTS 850	RMC	A	0879M	1:1	0.02	836.60	4183	24.75	Back	0	0.940	28.9	28.6	25.7
Phablet	UMTS 850	RMC	A	0879M	1:1	-0.01	836.60	4183	24.75	Front	0	0.448	32.2		
Phablet	UMTS 850	RMC	A	0879M	1:1	-0.08	836.60	4183	24.75	Bottom	0	0.982	28.8		
Phablet	UMTS 850	RMC	A	0879M	1:1	-0.10	836.60	4183	24.75	Right	0	1.030	28.6		
Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	UMTS 850	RMC	A+C	0878M	1:1	-0.08	836.60	4183	24.75	Back	0	0.981	28.8	28.8	25.7
Phablet	UMTS 850	RMC	A+C	0878M	1:1	-0.11	836.60	4183	24.75	Front	0	0.389	32.8		
Phablet	UMTS 850	RMC	A+C	0878M	1:1	0.03	836.60	4183	24.75	Bottom	0	0.710	30.2		
Phablet	UMTS 850	RMC	A+C	0878M	1:1	0.01	836.60	4183	24.75	Right	0	0.872	29.3		
Phablet	UMTS 850	RMC	A+C	0878M	1:1	-0.04	836.60	4183	24.75	Left	0	0.051	41.6		

FCC ID: A3LSMF966JPN	RF EXPOSURE PART 0 TEST REPORT	Approved by: Technical Manager
Document S/N: 1M2505200052-03.A3L	DUT Type: Portable Handset	APPENDIX A: Page 4 of 7

Table A-18
DSI = 1 P_{Limit} Calculations – LTE Band 12 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 12	10	QPSK	A	0879M	1:1	-0.03	707.50	23095	0.0	24.25	1	0	Back	0	0.998	28.2	27.6	25.3
Phablet	LTE Band 12	10	QPSK	A	0879M	1:1	0.03	707.50	23095	0.0	24.25	1	0	Front	0	0.139	36.2		
Phablet	LTE Band 12	10	QPSK	A	0879M	1:1	-0.05	707.50	23095	0.0	24.25	1	0	Bottom	0	0.918	28.6		
Phablet	LTE Band 12	10	QPSK	A	0879M	1:1	-0.14	707.50	23095	0.0	24.25	1	0	Right	0	1.130	27.6		
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 12	10	QPSK	A+C	0875M	1:1	-0.02	707.50	23095	0.0	24.25	1	0	Back	0	1.300	27.0	27.0	25.3
Phablet	LTE Band 12	10	QPSK	A+C	0875M	1:1	0.08	707.50	23095	0.0	24.25	1	0	Front	0	0.309	33.3		
Phablet	LTE Band 12	10	QPSK	A+C	0875M	1:1	0.02	707.50	23095	0.0	24.25	1	0	Bottom	0	0.873	28.8		
Phablet	LTE Band 12	10	QPSK	A+C	0875M	1:1	0.00	707.50	23095	0.0	24.25	1	0	Right	0	1.200	27.4		
Phablet	LTE Band 12	10	QPSK	A+C	0875M	1:1	-0.06	707.50	23095	0.0	24.25	1	0	Left	0	0.029	43.6		

Table A-19
DSI = 1 P_{Limit} Calculations – LTE Band 13 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 13	10	QPSK	A	0879M	1:1	0.11	782.00	23230	0.0	24.79	1	0	Back	0	1.620	26.1	26.1	26.1
Phablet	LTE Band 13	10	QPSK	A	0879M	1:1	0.01	782.00	23230	0.0	24.79	1	0	Front	0	0.180	36.2		
Phablet	LTE Band 13	10	QPSK	A	0879M	1:1	-0.06	782.00	23230	0.0	24.79	1	0	Bottom	0	1.070	28.4		
Phablet	LTE Band 13	10	QPSK	A	0879M	1:1	-0.01	782.00	23230	0.0	24.79	1	0	Right	0	1.470	27.0		
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.01	782.00	23230	0.0	24.79	1	0	Back	0	1.040	28.5	27.5	26.1
Phablet	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.08	782.00	23230	0.0	24.79	1	0	Front	0	0.362	33.1		
Phablet	LTE Band 13	10	QPSK	A+C	0875M	1:1	0.01	782.00	23230	0.0	24.79	1	0	Bottom	0	0.715	30.2		
Phablet	LTE Band 13	10	QPSK	A+C	0875M	1:1	0.05	782.00	23230	0.0	24.79	1	0	Right	0	1.110	27.5		
Phablet	LTE Band 13	10	QPSK	A+C	0875M	1:1	-0.11	782.00	23230	0.0	24.79	1	0	Left	0	0.028	44.2		

Table A-20
DSI = 1 P_{Limit} Calculations – LTE Band 5 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 5	10	QPSK	A	0879M	1:1	0.00	836.50	20525	0.0	24.79	1	25	Back	0	1.580	26.7	26.7	25.4
Phablet	LTE Band 5	10	QPSK	A	0879M	1:1	0.03	836.50	20525	0.0	24.79	1	25	Front	0	0.203	35.6		
Phablet	LTE Band 5	10	QPSK	A	0879M	1:1	0.01	836.50	20525	0.0	24.79	1	25	Bottom	0	0.886	29.2		
Phablet	LTE Band 5	10	QPSK	A	0879M	1:1	-0.07	836.50	20525	0.0	24.79	1	25	Right	0	1.580	26.7		
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 5	10	QPSK	A+C	0875M	1:1	0.00	836.50	20525	0.0	24.79	1	25	Back	0	1.430	27.2	27.2	25.4
Phablet	LTE Band 5	10	QPSK	A+C	0875M	1:1	0.05	836.50	20525	0.0	24.79	1	25	Front	0	0.508	31.7		
Phablet	LTE Band 5	10	QPSK	A+C	0875M	1:1	0.02	836.50	20525	0.0	24.79	1	25	Bottom	0	0.922	29.1		
Phablet	LTE Band 5	10	QPSK	A+C	0875M	1:1	-0.03	836.50	20525	0.0	24.79	1	25	Right	0	1.093	28.3		
Phablet	LTE Band 5	10	QPSK	A+C	0875M	1:1	0.04	836.50	20525	0.0	24.79	1	25	Left	0	0.046	42.1		

Table A-21
DSI = 1 P_{Limit} Calculations – LTE Band 66 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 66	20	QPSK	B	0967M	1:1	-0.06	1745.00	132322	0.0	17.97	1	50	Back	0	0.751	23.1	23.1	18.0
Phablet	LTE Band 66	20	QPSK	B	0967M	1:1	-0.12	1745.00	132322	0.0	17.97	1	50	Front	0	0.284	27.4		
Phablet	LTE Band 66	20	QPSK	B	0967M	1:1	0.01	1745.00	132322	0.0	17.97	1	50	Bottom	0	0.897	23.5		
Phablet	LTE Band 66	20	QPSK	B	0967M	1:1	-0.08	1745.00	132322	0.0	17.97	1	50	Left	0	0.097	32.0		

Table A-22
DSI = 1 P_{Limit} Calculations – LTE Band 2 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	LTE Band 2	20	QPSK	B	0967M	1:1	-0.05	1900.00	19100	0.0	18.05	1	0	Back	0	0.293	27.3	26.3	18.0
Phablet	LTE Band 2	20	QPSK	B	0967M	1:1	-0.11	1900.00	19100	0.0	18.05	1	0	Front	0	0.071	33.5		
Phablet	LTE Band 2	20	QPSK	B	0967M	1:1	0.02	1900.00	19100	0.0	18.05	1	0	Bottom	0	0.368	26.3		
Phablet	LTE Band 2	20	QPSK	B	0967M	1:1	-0.06	1900.00	19100	0.0	18.05	1	0	Left	0	0.018	39.4		

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Table A-23
DSI = 1 P_{Limit} Calculations – LTE Band 41 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Phablet	LTE Band 41	20	QPSK	B	1096M	1:1.58	0.00	2680.00	41490	0.0	19.78	50	25	Back	0	0.638	23.7	23.3	17.5
Phablet	LTE Band 41	20	QPSK	B	1096M	1:1.58	0.01	2680.00	41490	0.0	19.78	50	25	Front	0	0.172	29.4		
Phablet	LTE Band 41	20	QPSK	B	1096M	1:1.58	-0.02	2680.00	41490	0.0	19.78	50	25	Bottom	0	0.696	23.3		
Phablet	LTE Band 41	20	QPSK	B	1096M	1:1.58	0.01	2680.00	41490	0.0	19.78	50	25	Left	0	0.089	32.2		
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Phablet	LTE Band 41	20	QPSK	G	1096M	1:1.58	0.00	2636.50	41055	0.0	18.39	50	0	Back	0	0.939	20.6	18.6	16.5
Phablet	LTE Band 41	20	QPSK	G	1096M	1:1.58	-0.02	2636.50	41055	0.0	18.39	50	0	Front	0	0.633	22.3		
Phablet	LTE Band 41	20	QPSK	G	1096M	1:1.58	0.01	2636.50	41055	0.0	18.39	50	0	Top	0	1.400	18.6		
Phablet	LTE Band 41	20	QPSK	G	1096M	1:1.58	0.02	2636.50	41055	0.0	18.39	50	0	Right	0	0.087	30.9		

Table A-24
DSI = 1 P_{Limit} Calculations – NR Band n5 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Phablet	NR Band n5	20	QPSK	A	0879M	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Back	0	1.190	27.2	27.2	25.5
Phablet	NR Band n5	20	QPSK	A	0879M	1:1	-0.16	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Front	0	0.466	31.2		
Phablet	NR Band n5	20	QPSK	A	0879M	1:1	-0.08	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Bottom	0	0.936	28.2		
Phablet	NR Band n5	20	QPSK	A	0879M	1:1	-0.10	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Right	0	1.140	27.4		
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Phablet	NR Band n5	20	QPSK	A+C	0881M	1:1	-0.01	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Back	0	1.310	26.7	26.7	25.5
Phablet	NR Band n5	20	QPSK	A+C	0875M	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Front	0	0.475	31.2		
Phablet	NR Band n5	20	QPSK	A+C	0881M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Bottom	0	0.905	28.4		
Phablet	NR Band n5	20	QPSK	A+C	0881M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Right	0	1.070	27.6		
Phablet	NR Band n5	20	QPSK	A+C	0881M	1:1	0.09	836.50	167300	DFT-s-OFDM	0.0	23.99	1	1	Left	0	0.047	41.2		

Table A-25
DSI = 1 P_{Limit} Calculations – NR Band n66 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Phablet	NR Band n66	40	QPSK	B	0881M	1:1	0.13	1745.00	349000	CP-OFDM	0.0	17.44	1	1	Back	0	0.652	23.2	23.2	18.0
Phablet	NR Band n66	40	QPSK	B	0881M	1:1	-0.03	1745.00	349000	CP-OFDM	0.0	17.44	1	1	Front	0	0.215	28.0		
Phablet	NR Band n66	40	QPSK	B	0881M	1:1	0.00	1745.00	349000	CP-OFDM	0.0	17.44	1	1	Bottom	0	0.584	23.7		
Phablet	NR Band n66	40	QPSK	B	0881M	1:1	-0.01	1745.00	349000	CP-OFDM	0.0	17.44	1	1	Left	0	0.070	32.9		
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Phablet	NR Band n66	40	QPSK	G	0967M	1:1	-0.05	1745.00	349000	DFT-s-OFDM	0.0	17.59	108	0	Back	0	1.150	20.9	20.4	17.0
Phablet	NR Band n66	40	QPSK	G	0967M	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	17.59	108	0	Front	0	0.301	26.7		
Phablet	NR Band n66	40	QPSK	G	0967M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	17.59	108	0	Top	0	1.900	20.4		
Phablet	NR Band n66	40	QPSK	G	0967M	1:1	-0.02	1745.00	349000	DFT-s-OFDM	0.0	17.59	108	0	Right	0	0.092	31.9		

Table A-26
DSI = 1 P_{Limit} Calculations – NR Band n41 Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Phablet	NR Band n41	100	QPSK	G	0878M	1:1	-0.08	2592.99	518598	DFT-s-OFDM	0.0	17.22	1	271	Back	0	1.070	20.9	19.8	16.5
Phablet	NR Band n41	100	QPSK	G	0878M	1:1	-0.09	2592.99	518598	DFT-s-OFDM	0.0	17.22	1	271	Front	0	0.495	24.2		
Phablet	NR Band n41	100	QPSK	G	0878M	1:1	-0.10	2592.99	518598	DFT-s-OFDM	0.0	17.22	1	271	Top	0	1.370	19.8		
Phablet	NR Band n41	100	QPSK	G	0878M	1:1	-0.17	2592.99	518598	DFT-s-OFDM	0.0	17.22	1	271	Right	0	0.068	32.8		
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Phablet	NR Band n41	100	QPSK	B	0881M	1:1	0.05	2592.99	518598	DFT-s-OFDM	0.0	18.31	135	138	Back	0	0.671	24.0	24.0	17.5
Phablet	NR Band n41	100	QPSK	B	0881M	1:1	-0.07	2592.99	518598	DFT-s-OFDM	0.0	18.31	135	138	Front	0	0.156	30.3		
Phablet	NR Band n41	100	QPSK	B	0881M	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	18.31	135	138	Bottom	0	0.844	24.2		
Phablet	NR Band n41	100	QPSK	B	0881M	1:1	-0.10	2592.99	518598	DFT-s-OFDM	0.0	18.31	135	138	Left	0	0.055	34.8		

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Table A-27
DSI = 1 P_{Limit} Calculations – 2.4 GHz WLAN Phablet SAR

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Peak Number	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	2.4 GHz WiFi/ IEEE 802.11g	20	OFDM	MIMO	1	0973M	99.07	-0.04	2412.00	1	6.0	17.30	17.25	Back	0	0.426	24.8	21.5	21.5
Phablet	2.4 GHz WiFi/ IEEE 802.11g	20	OFDM	MIMO	2	0973M	99.07	0.05	2412.00	1	6.0	17.30	17.25	Back	0	0.230	27.5		
Phablet	2.4 GHz WiFi/ IEEE 802.11g	20	OFDM	MIMO	N/A	0973M	99.07	-0.03	2412.00	1	6.0	17.30	17.25	Front	0	0.070	32.7		
Phablet	2.4 GHz WiFi/ IEEE 802.11g	20	OFDM	MIMO	N/A	0973M	99.07	0.02	2412.00	1	6.0	17.30	17.25	Top	0	0.915	21.5		
Phablet	2.4 GHz WiFi/ IEEE 802.11g	20	OFDM	MIMO	N/A	0973M	99.07	0.04	2412.00	1	6.0	17.30	17.25	Right	0	0.390	25.2		
Phablet	2.4 GHz WiFi/ IEEE 802.11g	20	OFDM	MIMO	N/A	0973M	99.07	-0.07	2412.00	1	6.0	17.30	17.25	Left	0	0.044	34.7		

Table A-28
DSI = 1 P_{Limit} Calculations – 2.4 GHz Bluetooth Phablet SAR

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Duty Cycle Scaling Factor	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	2.4 GHz Bluetooth	FHSS	H	0973M	77.06	-0.07	2441.00	39	1	18.21	Back	0	0.197	N/A	28.1	28.1	28.1
Phablet	2.4 GHz Bluetooth	FHSS	H	0973M	77.06	0.14	2441.00	39	1	18.21	Front	0	0.012	N/A	40.2		
Phablet	2.4 GHz Bluetooth	FHSS	H	0973M	77.06	-0.11	2441.00	39	1	18.21	Right	0	0.146	N/A	29.4		

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