

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

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	190	GSM 850	GSM	32.10	Right	Cheek	A	1:8.3	0.081	33.84	32.33
836.60	190	GSM 850	GSM	32.10	Right	Tilt	A	1:8.3	0.056	35.39	
836.60	190	GSM 850	GSM	32.10	Left	Cheek	A	1:8.3	0.114	32.33	
836.60	190	GSM 850	GSM	32.10	Left	Tilt	A	1:8.3	0.059	35.19	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
1909.80	810	GSM 1900	GSM	29.12	Right	Cheek	A	1:8.3	0.035	34.48	33.79
1909.80	810	GSM 1900	GSM	29.12	Right	Tilt	A	1:8.3	0.009	40.38	
1909.80	810	GSM 1900	GSM	29.12	Left	Cheek	A	1:8.3	0.041	33.79	
1909.80	810	GSM 1900	GSM	29.12	Left	Tilt	A	1:8.3	0.016	37.88	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
826.40	4132	UMTS 850	RMC	23.31	Right	Cheek	A	1:1	0.116	32.67	31.73
826.40	4132	UMTS 850	RMC	23.31	Right	Tilt	A	1:1	0.068	34.98	
826.40	4132	UMTS 850	RMC	23.31	Left	Cheek	A	1:1	0.144	31.73	
826.40	4132	UMTS 850	RMC	23.31	Left	Tilt	A	1:1	0.071	34.79	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



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Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 1 of 15

Table A-4
DSI = 2 P_{Limit} Calculations – LTE Band 12 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
707.50	23095	Mid	LTE Band 12	10	22.86	Right	Cheek	A	QPSK	1	0	1:1	0.075	34.10	32.74
707.50	23095	Mid	LTE Band 12	10	21.86	Right	Cheek	A	QPSK	25	12	1:1	0.068	33.52	
707.50	23095	Mid	LTE Band 12	10	22.86	Right	Tilt	A	QPSK	1	0	1:1	0.037	37.18	
707.50	23095	Mid	LTE Band 12	10	21.86	Right	Tilt	A	QPSK	25	12	1:1	0.034	36.53	
707.50	23095	Mid	LTE Band 12	10	22.86	Left	Cheek	A	QPSK	1	0	1:1	0.093	33.20	
707.50	23095	Mid	LTE Band 12	10	21.86	Left	Cheek	A	QPSK	25	12	1:1	0.082	32.74	
707.50	23095	Mid	LTE Band 12	10	22.86	Left	Tilt	A	QPSK	1	0	1:1	0.041	36.72	
707.50	23095	Mid	LTE Band 12	10	21.86	Left	Tilt	A	QPSK	25	12	1:1	0.037	36.17	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-5
DSI = 2 P_{Limit} Calculations – LTE Band 13 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
782.00	23230	Mid	LTE Band 13	10	22.91	Right	Cheek	A	QPSK	1	0	1:1	0.137	31.54	30.58
782.00	23230	Mid	LTE Band 13	10	21.87	Right	Cheek	A	QPSK	25	0	1:1	0.108	31.54	
782.00	23230	Mid	LTE Band 13	10	22.91	Right	Tilt	A	QPSK	1	0	1:1	0.076	34.11	
782.00	23230	Mid	LTE Band 13	10	21.87	Right	Tilt	A	QPSK	25	0	1:1	0.059	34.18	
782.00	23230	Mid	LTE Band 13	10	22.91	Left	Cheek	A	QPSK	1	0	1:1	0.171	30.58	
782.00	23230	Mid	LTE Band 13	10	21.87	Left	Cheek	A	QPSK	25	0	1:1	0.127	30.83	
782.00	23230	Mid	LTE Band 13	10	22.91	Left	Tilt	A	QPSK	1	0	1:1	0.074	34.20	
782.00	23230	Mid	LTE Band 13	10	21.87	Left	Tilt	A	QPSK	25	0	1:1	0.056	34.39	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



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Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 2 of 15

Table A-6
DSI = 2 P_{Limit} Calculations – LTE Band 5 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	Right	Cheek	A	QPSK	1	0	1:1	0.099	32.95	31.53
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	Right	Cheek	A	QPSK	25	25	1:1	0.073	33.24	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	Right	Tilt	A	QPSK	1	0	1:1	0.060	35.11	
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	Right	Tilt	A	QPSK	25	25	1:1	0.048	35.08	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	Left	Cheek	A	QPSK	1	0	1:1	0.137	31.54	
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	Left	Cheek	A	QPSK	25	25	1:1	0.108	31.53	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	Left	Tilt	A	QPSK	1	0	1:1	0.067	34.68	
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	Left	Tilt	A	QPSK	25	25	1:1	0.055	34.50	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-7
DSI = 2 P_{Limit} Calculations – LTE Band 4 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	Right	Cheek	A	QPSK	1	50	1:1	0.084	33.17	33.16
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	Right	Cheek	A	QPSK	50	25	1:1	0.067	33.16	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	Right	Tilt	A	QPSK	1	50	1:1	0.067	34.15	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	Right	Tilt	A	QPSK	50	25	1:1	0.052	34.26	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	Left	Cheek	A	QPSK	1	50	1:1	0.053	35.17	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	Left	Cheek	A	QPSK	50	25	1:1	0.040	35.40	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	Left	Tilt	A	QPSK	1	50	1:1	0.060	34.63	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	Left	Tilt	A	QPSK	50	25	1:1	0.043	35.09	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



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Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 3 of 15

Table A-8
DSI = 2 P_{Limit} Calculations – LTE Band 41 Head SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Side	Test Position	Antenna Config.	Modulation	RB Size	RB Offset	Duty Cycle	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.	(W/kg)													
2636.50	41055	Mid-High	LTE Band 41	20	23.85	Right	Cheek	B	QPSK	1	50	1:1.58	0.017	39.56	39.08
2636.50	41055	Mid-High	LTE Band 41	20	22.82	Right	Cheek	B	QPSK	50	25	1:1.58	0.011	40.42	
2636.50	41055	Mid-High	LTE Band 41	20	23.85	Right	Tilt	B	QPSK	1	50	1:1.58	0.006	44.08	
2636.50	41055	Mid-High	LTE Band 41	20	22.82	Right	Tilt	B	QPSK	50	25	1:1.58	0.006	43.05	
2636.50	41055	Mid-High	LTE Band 41	20	23.85	Left	Cheek	B	QPSK	1	50	1:1.58	0.019	39.08	
2636.50	41055	Mid-High	LTE Band 41	20	22.82	Left	Cheek	B	QPSK	50	25	1:1.58	0.012	40.04	
2636.50	41055	Mid-High	LTE Band 41	20	23.85	Left	Tilt	B	QPSK	1	50	1:1.58	0.014	40.40	
2636.50	41055	Mid-High	LTE Band 41	20	22.82	Left	Tilt	B	QPSK	50	25	1:1.58	0.008	41.81	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

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

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	Duty Cycle	Side	SAR (1g)	Plimit	Overall Plimit
MHz	Ch.								(W/kg)		
836.60	190	GSM 850	GSM	32.10	15 mm	A	1:8.3	back	0.142	31.38	31.38
1909.80	810	GSM 1900	GSM	29.12	15 mm	A	1:8.3	back	0.352	24.45	24.45
826.40	4132	UMTS 850	RMC	23.31	15 mm	A	1:1	back	0.163	31.19	31.19

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 4 of 15

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

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	15 mm	back	1:1	0.131	31.69	31.33
707.50	23095	Mid	LTE Band 12	10	21.86	A	QPSK	25	12	15 mm	back	1:1	0.113	31.33	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	15 mm	back	1:1	0.187	30.19	30.05
782.00	23230	Mid	LTE Band 13	10	21.87	A	QPSK	25	0	15 mm	back	1:1	0.152	30.05	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	15 mm	back	1:1	0.187	30.19	29.56
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	A	QPSK	25	25	15 mm	back	1:1	0.170	29.56	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	A	QPSK	1	50	15 mm	back	1:1	0.466	25.73	25.73
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	A	QPSK	50	25	15 mm	back	1:1	0.370	25.74	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-11
DSI = 0 P_{Limit} Calculations – LTE B41 Body-Worn SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
2636.50	41055	Mid-High	LTE Band 41	20	23.85	B	QPSK	1	50	15 mm	back	1:1.58	0.245	27.97	27.97
2636.50	41055	Mid-High	LTE Band 41	20	22.82	B	QPSK	50	25	15 mm	back	1:1.58	0.192	28.00	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.




FCC ID: A3LSMS908JPN	 <small>Proud to be part of </small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 5 of 15

Table A-12
DSI = 3 P_{Limit} Calculations – GPRS/UMTS Hotspot SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.									(W/kg)		
836.60	190	GSM 850	GPRS	30.44	10 mm	A	3	1:2.76	back	0.295	31.31	31.31
836.60	190	GSM 850	GPRS	30.44	10 mm	A	3	1:2.76	front	0.187	33.29	
836.60	190	GSM 850	GPRS	30.44	10 mm	A	3	1:2.76	bottom	0.110	35.60	
836.60	190	GSM 850	GPRS	30.44	10 mm	A	3	1:2.76	right	0.059	38.32	
836.60	190	GSM 850	GPRS	30.44	10 mm	A	3	1:2.76	left	0.108	35.68	
1909.80	810	GSM 1900	GPRS	20.51	10 mm	A	4	1:2.076	back	0.396	21.35	19.12
1909.80	810	GSM 1900	GPRS	20.51	10 mm	A	4	1:2.076	front	0.304	22.50	
1850.20	512	GSM 1900	GPRS	20.02	10 mm	A	4	1:2.076	bottom	0.504	19.82	
1880.00	661	GSM 1900	GPRS	20.27	10 mm	A	4	1:2.076	bottom	0.589	19.39	
1909.80	810	GSM 1900	GPRS	20.51	10 mm	A	4	1:2.076	bottom	0.662	19.12	
1909.80	810	GSM 1900	GPRS	20.51	10 mm	A	4	1:2.076	right	0.036	31.77	
1909.80	810	GSM 1900	GPRS	20.51	10 mm	A	4	1:2.076	left	0.025	33.35	
826.40	4132	UMTS 850	RMC	23.31	10 mm	A	N/A	1:1	back	0.337	28.03	28.03
826.40	4132	UMTS 850	RMC	23.31	10 mm	A	N/A	1:1	front	0.214	30.01	
826.40	4132	UMTS 850	RMC	23.31	10 mm	A	N/A	1:1	bottom	0.122	32.45	
826.40	4132	UMTS 850	RMC	23.31	10 mm	A	N/A	1:1	right	0.107	33.02	
826.40	4132	UMTS 850	RMC	23.31	10 mm	A	N/A	1:1	left	0.186	30.61	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



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Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 6 of 15

Table A-13
DSI = 3 P_{Limit} Calculations – LTE Band 12 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	10 mm	back	1:1	0.222	29.40	29.19
707.50	23095	Mid	LTE Band 12	10	21.86	A	QPSK	25	12	10 mm	back	1:1	0.185	29.19	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	10 mm	front	1:1	0.164	30.71	
707.50	23095	Mid	LTE Band 12	10	21.86	A	QPSK	25	12	10 mm	front	1:1	0.139	30.43	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	10 mm	bottom	1:1	0.082	33.71	
707.50	23095	Mid	LTE Band 12	10	21.86	A	QPSK	25	12	10 mm	bottom	1:1	0.070	33.38	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	10 mm	right	1:1	0.130	31.72	
707.50	23095	Mid	LTE Band 12	10	21.86	A	QPSK	25	12	10 mm	right	1:1	0.103	31.73	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	10 mm	left	1:1	0.124	31.93	
707.50	23095	Mid	LTE Band 12	10	21.86	A	QPSK	25	12	10 mm	left	1:1	0.108	31.53	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-14
DSI = 3 P_{Limit} Calculations – LTE Band 13 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	10 mm	back	1:1	0.326	27.78	27.62
782.00	23230	Mid	LTE Band 13	10	21.87	A	QPSK	25	0	10 mm	back	1:1	0.266	27.62	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	10 mm	front	1:1	0.237	29.16	
782.00	23230	Mid	LTE Band 13	10	21.87	A	QPSK	25	0	10 mm	front	1:1	0.190	29.08	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	10 mm	bottom	1:1	0.162	30.81	
782.00	23230	Mid	LTE Band 13	10	21.87	A	QPSK	25	0	10 mm	bottom	1:1	0.131	30.70	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	10 mm	right	1:1	0.087	33.52	
782.00	23230	Mid	LTE Band 13	10	21.87	A	QPSK	25	0	10 mm	right	1:1	0.068	33.54	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	10 mm	left	1:1	0.207	29.75	
782.00	23230	Mid	LTE Band 13	10	21.87	A	QPSK	25	0	10 mm	left	1:1	0.159	29.86	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 7 of 15

Table A-15
DSI = 3 P_{Limit} Calculations – LTE Band 5 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	10 mm	back	1:1	0.405	26.84	26.31
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	A	QPSK	25	25	10 mm	back	1:1	0.359	26.31	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	10 mm	front	1:1	0.226	29.37	
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	A	QPSK	25	25	10 mm	front	1:1	0.204	28.76	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	10 mm	bottom	1:1	0.125	31.94	
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	A	QPSK	25	25	10 mm	bottom	1:1	0.109	31.49	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	10 mm	right	1:1	0.071	34.43	
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	A	QPSK	25	25	10 mm	right	1:1	0.059	34.12	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	10 mm	left	1:1	0.110	32.50	
836.50	20525	Mid	LTE Band 5 (Cell)	10	21.86	A	QPSK	25	25	10 mm	left	1:1	0.094	32.15	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-16
DSI = 3 P_{Limit} Calculations – LTE Band 4 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.57	A	QPSK	1	50	10 mm	back	1:1	0.321	23.50	19.82
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.63	A	QPSK	50	25	10 mm	back	1:1	0.327	23.48	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.57	A	QPSK	1	50	10 mm	front	1:1	0.278	24.13	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.63	A	QPSK	50	25	10 mm	front	1:1	0.278	24.19	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.57	A	QPSK	1	50	10 mm	bottom	1:1	0.745	19.85	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.63	A	QPSK	50	25	10 mm	bottom	1:1	0.751	19.87	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.52	A	QPSK	100	0	10 mm	bottom	1:1	0.741	19.82	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.57	A	QPSK	1	50	10 mm	right	1:1	0.079	29.59	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.63	A	QPSK	50	25	10 mm	right	1:1	0.078	29.71	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.57	A	QPSK	1	50	10 mm	left	1:1	0.052	31.41	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.63	A	QPSK	50	25	10 mm	left	1:1	0.045	32.10	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 8 of 15

Table A-17
DSI = 3 P_{Limit} Calculations – LTE Band 41 Hotspot SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	P _{limit}	Overall P _{limit}	
MHz	Ch.											(W/kg)			
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	1	50	10 mm	back	1:1.58	0.200	24.96	23.77
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	50	25	10 mm	back	1:1.58	0.202	24.91	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	1	50	10 mm	front	1:1.58	0.161	25.90	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	50	25	10 mm	front	1:1.58	0.165	25.79	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	1	50	10 mm	bottom	1:1.58	0.263	23.77	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	50	25	10 mm	bottom	1:1.58	0.262	23.78	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	1	50	10 mm	right	1:1.58	0.112	27.47	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	50	25	10 mm	right	1:1.58	0.117	27.28	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 9 of 15

Table A-18
DSI = 0 P_{Limit} Calculations – GPRS 850 Phablet SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.									(W/kg)		
836.60	190	GSM 850	GPRS	30.44	8 mm	A	3	1:2.76	back	0.602	32.19	31.40
836.60	190	GSM 850	GPRS	30.44	6 mm	A	3	1:2.76	front	0.513	32.89	
836.60	190	GSM 850	GPRS	30.44	12 mm	A	3	1:2.76	bottom	0.201	36.96	
836.60	190	GSM 850	GPRS	30.44	0 mm	A	3	1:2.76	right	0.314	35.02	
836.60	190	GSM 850	GPRS	30.44	0 mm	A	3	1:2.76	left	0.722	31.40	

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-19
DSI = 0 P_{Limit} Calculations – GPRS 1900 Phablet SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.									(W/kg)		
1909.80	810	GSM 1900	GPRS	26.35	8 mm	A	3	1:2.76	back	0.621	27.97	26.31
1909.80	810	GSM 1900	GPRS	26.35	6 mm	A	3	1:2.76	front	0.664	27.68	
1909.80	810	GSM 1900	GPRS	26.35	12 mm	A	3	1:2.76	bottom	0.909	26.31	
1909.80	810	GSM 1900	GPRS	26.35	0 mm	A	3	1:2.76	right	0.228	32.32	
1909.80	810	GSM 1900	GPRS	26.35	0 mm	A	3	1:2.76	left	0.179	33.37	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-20
DSI = 0 P_{Limit} Calculations – UMTS B5 Phablet SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	Duty Cycle	Side	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.								(W/kg)		
826.40	4132	UMTS 850	RMC	23.31	8 mm	A	1:1	back	0.421	31.05	30.19
826.40	4132	UMTS 850	RMC	23.31	6 mm	A	1:1	front	0.398	31.29	
826.40	4132	UMTS 850	RMC	23.31	12 mm	A	1:1	bottom	0.100	37.29	
826.40	4132	UMTS 850	RMC	23.31	0 mm	A	1:1	right	0.220	33.87	
826.40	4132	UMTS 850	RMC	23.31	0 mm	A	1:1	left	0.513	30.19	

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.



FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 10 of 15

Table A-21
DSI = 0 P_{Limit} Calculations – LTE Band 12 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	8 mm	back	1:1	0.223	33.36	32.37
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	6 mm	front	1:1	0.220	33.42	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	12 mm	bottom	1:1	0.052	39.68	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	0 mm	right	1:1	0.153	34.99	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	0 mm	left	1:1	0.280	32.37	

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-22
DSI = 0 P_{Limit} Calculations – LTE Band 13 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	8 mm	back	1:1	0.370	31.21	31.05
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	6 mm	front	1:1	0.321	31.82	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	12 mm	bottom	1:1	0.076	38.08	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	0 mm	right	1:1	0.216	33.54	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	0 mm	left	1:1	0.384	31.05	

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-23
DSI = 0 P_{Limit} Calculations – LTE Band 5 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	Plimit	Overall Plimit
MHz	Ch.												(W/kg)		
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	8 mm	back	1:1	0.427	30.59	29.01
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	6 mm	front	1:1	0.398	30.89	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	12 mm	bottom	1:1	0.102	36.80	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	0 mm	right	1:1	0.188	34.15	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	0 mm	left	1:1	0.613	29.01	

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.




FCC ID: A3LSMS908JPN	 PCTEST Proud to be part of 	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 11 of 15

Table A-24
DSI = 0 P_{Limit} Calculations – LTE Band 4 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}	
MHz	Ch.											(W/kg)			
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	A	QPSK	1	50	8 mm	back	1:1	0.633	28.38	27.24
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	A	QPSK	50	25	8 mm	back	1:1	0.488	28.52	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	A	QPSK	1	50	6 mm	front	1:1	0.822	27.24	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	A	QPSK	50	25	6 mm	front	1:1	0.651	27.26	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	A	QPSK	1	50	12 mm	bottom	1:1	0.778	27.48	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	A	QPSK	50	25	12 mm	bottom	1:1	0.634	27.38	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	A	QPSK	1	50	0 mm	right	1:1	0.474	29.63	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	A	QPSK	50	25	0 mm	right	1:1	0.429	29.07	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	A	QPSK	1	50	0 mm	left	1:1	0.248	32.44	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	A	QPSK	50	25	0 mm	left	1:1	0.194	32.52	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-25
DSI = 0 P_{Limit} Calculations – LTE Band 41 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}	
MHz	Ch.											(W/kg)			
2636.50	41055	Mid-High	LTE Band 41	20	23.85	B	QPSK	1	50	8 mm	back	1:1.58	0.303	31.03	25.85
2636.50	41055	Mid-High	LTE Band 41	20	22.82	B	QPSK	50	25	8 mm	back	1:1.58	0.234	31.12	
2636.50	41055	Mid-High	LTE Band 41	20	23.85	B	QPSK	1	50	6 mm	front	1:1.58	0.331	30.65	
2636.50	41055	Mid-High	LTE Band 41	20	22.82	B	QPSK	50	25	6 mm	front	1:1.58	0.260	30.67	
2636.50	41055	Mid-High	LTE Band 41	20	23.85	B	QPSK	1	50	12 mm	bottom	1:1.58	0.307	30.97	
2636.50	41055	Mid-High	LTE Band 41	20	22.82	B	QPSK	50	25	12 mm	bottom	1:1.58	0.245	30.92	
2636.50	41055	Mid-High	LTE Band 41	20	23.85	B	QPSK	1	50	0 mm	right	1:1.58	0.999	25.85	
2636.50	41055	Mid-High	LTE Band 41	20	22.82	B	QPSK	50	25	0 mm	right	1:1.58	0.787	25.86	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.



FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 12 of 15

Table A-26
DSI = 1 P_{Limit} Calculations – GPRS 850 Phablet SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.									(W/kg)		
836.60	190	GSM 850	GPRS	30.44	0 mm	A	3	1:2.76	back	1.290	28.88	28.88
836.60	190	GSM 850	GPRS	30.44	0 mm	A	3	1:2.76	front	1.160	29.34	
836.60	190	GSM 850	GPRS	30.44	0 mm	A	3	1:2.76	bottom	0.712	31.46	
836.60	190	GSM 850	GPRS	30.44	0 mm	A	3	1:2.76	right	0.314	35.02	
836.60	190	GSM 850	GPRS	30.44	0 mm	A	3	1:2.76	left	0.722	31.40	

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-27
DSI = 1 P_{Limit} Calculations – GPRS 1900 Phablet SAR

MEASUREMENT RESULTS												
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	# of Time Slots	Duty Cycle	Side	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.									(W/kg)		
1909.80	810	GSM 1900	GPRS	20.51	0 mm	A	4	1:2.076	back	0.867	21.93	21.93
1909.80	810	GSM 1900	GPRS	20.51	0 mm	A	4	1:2.076	front	0.673	23.03	
1909.80	810	GSM 1900	GPRS	20.51	0 mm	A	4	1:2.076	bottom	0.681	22.98	
1909.80	810	GSM 1900	GPRS	26.35	0 mm	A	3	1:2.76	right	0.228	32.32	
1909.80	810	GSM 1900	GPRS	26.35	0 mm	A	3	1:2.76	left	0.179	33.37	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-28
DSI = 1 P_{Limit} Calculations – UMTS B5 Phablet SAR

MEASUREMENT RESULTS											
FREQUENCY		Mode	Service	Conducted Power [dBm]	Spacing	Antenna Config.	Duty Cycle	Side	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.								(W/kg)		
826.40	4132	UMTS 850	RMC	23.31	0 mm	A	1:1	back	0.913	27.68	27.30
826.40	4132	UMTS 850	RMC	23.31	0 mm	A	1:1	front	0.998	27.30	
826.40	4132	UMTS 850	RMC	23.31	0 mm	A	1:1	bottom	0.655	29.13	
826.40	4132	UMTS 850	RMC	23.31	0 mm	A	1:1	right	0.220	33.87	
826.40	4132	UMTS 850	RMC	23.31	0 mm	A	1:1	left	0.513	30.19	

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.



FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 13 of 15

Table A-29
DSI = 1 P_{Limit} Calculations – LTE Band 12 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	0 mm	back	1:1	0.901	27.29	26.78
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	0 mm	front	1:1	1.013	26.78	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	0 mm	bottom	1:1	0.998	26.85	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	0 mm	right	1:1	0.153	34.99	
707.50	23095	Mid	LTE Band 12	10	22.86	A	QPSK	1	0	0 mm	left	1:1	0.280	32.37	

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-30
DSI = 1 P_{Limit} Calculations – LTE Band 13 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	0 mm	back	1:1	0.922	27.24	26.48
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	0 mm	front	1:1	1.100	26.48	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	0 mm	bottom	1:1	0.711	28.37	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	0 mm	right	1:1	0.216	33.54	
782.00	23230	Mid	LTE Band 13	10	22.91	A	QPSK	1	0	0 mm	left	1:1	0.384	31.05	

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-31
DSI = 1 P_{Limit} Calculations – LTE Band 5 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY			Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}
MHz	Ch.												(W/kg)		
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	0 mm	back	1:1	1.020	26.80	26.56
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	0 mm	front	1:1	1.080	26.56	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	0 mm	bottom	1:1	0.692	28.49	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	0 mm	right	1:1	0.188	34.15	
836.50	20525	Mid	LTE Band 5 (Cell)	10	22.91	A	QPSK	1	0	0 mm	left	1:1	0.613	29.01	

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.



FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 14 of 15

Table A-32
DSI = 1 P_{Limit} Calculations – LTE Band 4 Phablet SAR



MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}	
MHz	Ch.											(W/kg)			
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.57	A	QPSK	1	50	0 mm	back	1:1	0.774	23.66	23.66
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.63	A	QPSK	50	25	0 mm	back	1:1	0.755	23.83	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.57	A	QPSK	1	50	0 mm	front	1:1	0.407	26.45	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.63	A	QPSK	50	25	0 mm	front	1:1	0.409	26.49	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.57	A	QPSK	1	50	0 mm	bottom	1:1	0.622	24.61	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	18.63	A	QPSK	50	25	0 mm	bottom	1:1	0.613	24.73	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	A	QPSK	1	50	0 mm	right	1:1	0.474	29.63	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	A	QPSK	50	25	0 mm	right	1:1	0.429	29.07	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	22.41	A	QPSK	1	50	0 mm	left	1:1	0.248	32.44	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	21.42	A	QPSK	50	25	0 mm	left	1:1	0.194	32.52	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

Table A-33
DSI = 1 P_{Limit} Calculations – LTE Band 41 Phablet SAR

MEASUREMENT RESULTS															
FREQUENCY		Mode	Bandwidth [MHz]	Conducted Power [dBm]	Antenna Config.	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (10g)	P _{limit}	Overall P _{limit}	
MHz	Ch.											(W/kg)			
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	1	50	0 mm	back	1:1.58	0.873	22.54	22.05
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	50	25	0 mm	back	1:1.58	0.873	22.54	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	1	50	0 mm	front	1:1.58	0.715	23.40	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	50	25	0 mm	front	1:1.58	0.711	23.43	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	1	50	0 mm	bottom	1:1.58	0.972	22.07	
2636.50	41055	Mid-High	LTE Band 41	20	19.95	B	QPSK	50	25	0 mm	bottom	1:1.58	0.977	22.05	
2636.50	41055	Mid-High	LTE Band 41	20	23.85	B	QPSK	1	50	0 mm	right	1:1.58	0.999	25.85	
2636.50	41055	Mid-High	LTE Band 41	20	22.82	B	QPSK	50	25	0 mm	right	1:1.58	0.787	25.86	

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

FCC ID: A3LSMS908JPN	 <small>Proud to be part of element</small>	PART 0 SAR CHAR REPORT		Approved by: Quality Manager
Test Dates: 12/21/21 - 01/17/22	DUT Type: Portable Handset			APPENDIX A: Page 15 of 15