

APPENDIX K: FCC ID A3LSMF776U SAR TEST REPORT PART 0, PART 1

FCC ID: A3LSMF776JPN	RF EXPOSURE PART 1 TEST REPORT	Approved by: Technical Manager
DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo. 	APPENDIX K

Revision	Description	Issue Date	Revised By
-	Initial Release	05/05/2026	WKR005792
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1 TEST LABORATORY INFORMATION

1.1 Introduction

This test report for device subject to testing at an accredited testing laboratory has been generated by the testing laboratory that tested the device. Measurements were performed at various locations within Element Materials Technology. Detailed location and accredited information regarding the testing laboratories are provided below.

1.2 Test Laboratories Information

1.2.1 Testing Laboratory 1

Test Firm Name	ELEMENT MATERIALS TECHNOLOGY WASHINGTON DC LLC
Test Lab Location	7185 Oakland Mills Road, Columbia, MD 21046, United States Tel. +1.410.290.6652 / Fax +1.410.290.6654
Accreditation Info.	Lab Code. (ISED): 2451B
	CAB Identifier (NIST): US0110
	ISO/IEC 17025 (A2LA): CERT #2041.01
	
Measurement system No.	G, J, L, M, N, Q, R, S

1.2.2 Testing Laboratory 2

Test Firm Name	ELEMENT MATERIALS TECHNOLOGY SUWON, LTD.
Test Lab Location	Suwon: P136, Tower A, 13, Heungdeok 1-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea
	Unhak2: 5, Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea Tel. +82.31.660.7391 / Fax +82)31-660-7318
Accreditation Info.	Lab Code. (ISED): 26168
	CAB Identifier (NIST): KR0169
	ISO/IEC 17025 (A2LA): CERT #2041.04
	
Measurement system No.	S1, S2, S3, S4, S5, S6, S7

Note: For each test performed, the test site can be verified with the probe serial numbers specified in the table of Test System Verification and Equipment List.

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2 DEVICE UNDER TEST

2.1 Device Overview

Band & Mode	Operating Modes	Tx Frequency
GSM/GPRS/EDGE 850	Voice/Data	824.20 - 848.80 MHz
GSM/GPRS/EDGE 1900	Voice/Data	1850.20 - 1909.80 MHz
UMTS 850	Voice/Data	826.40 - 846.60 MHz
UMTS 1750	Voice/Data	1712.4 - 1752.6 MHz
UMTS 1900	Voice/Data	1852.4 - 1907.6 MHz
LTE Band 71	Voice/Data	665.5 - 695.5 MHz
LTE Band 12	Voice/Data	699.7 - 715.3 MHz
LTE Band 13	Voice/Data	779.5 - 784.5 MHz
LTE Band 14	Voice/Data	790.5 - 795.5 MHz
LTE Band 26	Voice/Data	814.7 - 848.3 MHz
LTE Band 5	Voice/Data	824.7 - 848.3 MHz
LTE Band 66	Voice/Data	1710.7 - 1779.3 MHz
LTE Band 4	Voice/Data	1710.7 - 1754.3 MHz
LTE Band 25	Voice/Data	1850.7 - 1914.3 MHz
LTE Band 2	Voice/Data	1850.7 - 1909.3 MHz
LTE Band 30	Voice/Data	2307.5 - 2312.5 MHz
LTE Band 7	Voice/Data	2502.5 - 2567.5 MHz
LTE Band 41	Voice/Data	2498.5 - 2687.5 MHz
LTE Band 38	Voice/Data	2572.5 - 2617.5 MHz
LTE Band 48	Voice/Data	3552.5 - 3697.5 MHz
NR Band n71	Voice/Data	665.5 - 695.5 MHz
NR Band n12	Voice/Data	701.5 - 713.5 MHz
NR Band n14	Voice/Data	790.5 - 795.5 MHz
NR Band n26	Voice/Data	816.5 - 846.5 MHz
NR Band n5	Voice/Data	826.5 - 846.5 MHz
NR Band n70	Voice/Data	1697.5 - 1707.5 MHz
NR Band n66	Voice/Data	1712.5 - 1777.5 MHz
NR Band n25	Voice/Data	1852.5 - 1912.5 MHz
NR Band n2	Voice/Data	1852.5 - 1907.5 MHz
NR Band n30	Voice/Data	2307.5 - 2312.5 MHz
NR Band n7	Voice/Data	2502.5 - 2567.5 MHz
NR Band n41	Voice/Data	2501.01 - 2685 MHz
NR Band n38	Voice/Data	2575 - 2615 MHz
NR Band n48	Voice/Data	3555 - 3694.98 MHz
NR Band n78	Voice/Data	3455.01 - 3544.98 MHz; 3705 - 3975 MHz
NR Band n77	Voice/Data	3455.01 - 3544.98 MHz; 3705 - 3975 MHz
NTN Band n255	Data	1629 - 1658 MHz
2.4 GHz WIFI	Voice/Data	2412 - 2462 MHz
5 GHz WIFI	Voice/Data	U-NII-1: 5180 - 5240 MHz U-NII-2A: 5260 - 5320 MHz U-NII-2C: 5500 - 5720 MHz U-NII-3: 5745 - 5825 MHz U-NII-4: 5845 - 5885 MHz
6 GHz WIFI	Voice/Data	U-NII-5: 5935 - 6415 MHz U-NII-6: 6435 - 6515 MHz U-NII-7: 6535 - 6875 MHz U-NII-8: 6895 - 7115 MHz
2.4 GHz Bluetooth	Data	2402 - 2480 MHz
NFC	Data	13.56 MHz
WPT	N/A	110 kHz - 148 kHz

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2.2 Time-Averaging Algorithm for RF Exposure Compliance

2.2.1 Time-Averaged Algorithm

This device has open and closed configurations. For the open configuration, the device is enabled with the GEN2 (Qualcomm® Smart Transmit Plus, EFS v24) feature with two antenna groups. In the closed configuration, the device is enabled with the GEN1 (Qualcomm® Smart Transmit Gen1) feature. A $multi_tx_factor$ of 1.27 is applied to both open and closed configurations. These features perform time-averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time. Refer to Compliance Summary document for detailed description of Qualcomm® Smart Transmit feature (report SN could be found in Section 2.10– Bibliography).

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target , below the predefined time-averaged power limit (i.e., P_{limit} for WWAN sub-6/WLAN/BT/NTN radio), for each characterized technology and band. Characterization is achieved by determining P_{limit} for WWAN sub-6/WLAN/BT/NTN that corresponds to the exposure design targets after accounting for all device design related uncertainties, i.e., SAR_design_target (<FCC SAR Limit) for sub-6 radio. The SAR characterization is denoted as SAR char in this report (see SAR Summary Section).

Smart Transmit allows the device to transmit at higher power instantaneously, as high as P_{max} , when needed, but enforces power limiting to maintain time-averaged transmit power to P_{limit} . Below table shows P_{limit} EFS settings and maximum tune up output power P_{max} configured for this EUT for various transmit conditions (Device State Index DSI). Note that the device uncertainty for WWAN sub-6/WLAN/BT/NTN is 1.0dB for this EUT.

Based on Qualcomm guidance, for $multi_tx_factor > 1.0$, the reported SAR for each tech/band/ant/DSI is scaled using $\min\{P_{limit} * multi_tx_factor * 10^{(sub6\ device\ uncertainty/10)}, P_{max}\}$ in simultaneous transmission evaluations. For this device, the manufacturer declared a $multi_tx_factor$ of 1.27.

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Exposure Scenario			Maximum Time-Up Output Power*	Open / Freespace / Hotspot	RCV on	Closed / Freespace / Hotspot
Averaging Volume				1g, 10g	1g	1g
Spacing				10mm, 5mm, 0mm	0mm	5mm
DSI				0 / 2	1	3 / 4
Technology/Band	Antenna	Antenna Group for Open Configurations	P _{max}	P _{lim}	P _{lim}	P _{lim}
GSM 850	A	AG0	25.3	20.8	26.0	21.8
GSM 850	E	AG1	22.3	26.4	22.0	26.1
GSM 1900	B	AG0	19.8	18.3	26.0	18.3
UMTS 850	A	AG0	24.0	22.0	22.0	22.5
UMTS 850	E	AG1	24.5	23.0	22.0	23.5
UMTS 1750	B	AG0	23.5	19.0	22.4	19.0
UMTS 1900	B	AG0	23.5	17.5	22.4	18.5
LTE Band 71	A	AG0	24.0	24.1	25.0	24.9
LTE Band 71	E	AG1	24.0	22.0	21.5	22.0
LTE Band 12	A	AG0	24.0	22.5	26.0	23.5
LTE Band 12	E	AG1	24.0	22.0	21.0	22.5
LTE Band 13	A	AG0	24.0	22.5	26.0	23.5
LTE Band 13	E	AG1	24.0	21.0	20.0	21.0
LTE Band 14	A	AG0	24.0	22.5	26.0	23.5
LTE Band 14	E	AG1	24.5	21.5	20.5	21.5
LTE Band 26/5	A	AG0	23.5	21.0	26.0	22.0
LTE Band 26/5	E	AG1	24.5	22.5	21.5	23.0
LTE Band 66/4	B	AG0	24.0	18.5	26.0	19.0
LTE Band 66/4	H	AG1	24.5	21.0	19.0	21.5
LTE Band 25/2	B	AG0	24.0	17.5	26.0	19.0
LTE Band 25/2	H	AG1	24.5	20.5	18.5	20.5
LTE Band 30	B	AG0	23.5	18.0	28.0	19.5
LTE Band 30	H	AG1	24.0	18.0	17.0	19.0
LTE Band 7	B	AG0	24.5	18.0	28.0	20.0
LTE Band 7	H	AG1	24.5	18.5	16.5	19.5
LTE Band 41/38	B	AG0	22.5	19.5	28.0	20.5
LTE Band 41/38	H	AG1	23.0	19.0	16.5	19.0
LTE Band 48	F	AG1	18.5	16.0	13.0	16.0
NR Band n71	A	AG0	23.5	23.7	25.0	24.5
NR Band n71	E	AG1	24.0	22.0	21.5	22.0
NR Band n12	A	AG0	24.0	22.5	26.0	23.5
NR Band n12	E	AG1	24.0	22.0	21.0	22.5
NR Band n14	A	AG0	24.0	22.5	26.0	23.5
NR Band n14	E	AG1	24.5	21.5	20.5	21.5
NR Band n26/n5	A	AG0	23.5	21.0	26.0	22.0
NR Band n26/n5	E	AG1	24.5	22.5	21.5	23.0
NR Band n70	B	AG0	24.0	18.5	26.0	20.0
NR Band n70	H	AG1	24.5	20.5	18.5	20.5
NR Band n66	B	AG0	24.0	18.5	26.0	19.0
NR Band n66	H	AG1	24.5	21.0	19.0	21.5
NR Band n25/n2	B	AG0	24.0	17.5	26.0	19.0
NR Band n25/n2	H	AG1	24.5	20.5	18.5	20.5
NR Band n30	B	AG0	23.5	18.0	26.0	19.5
NR Band n30	H	AG1	24.0	18.0	17.0	19.0
NR Band n7	B	AG0	24.5	18.0	26.0	20.0
NR Band n7	H	AG1	24.5	18.5	16.5	19.5
NR Band n41 PC2 (Path1)	B	AG0	26.5	19.5	30.0	20.5
NR Band n41 PC2 (Path1)	H	AG1	23.5	19.0	16.5	19.0
NR Band n41 PC2 (Path1)	C	AG0	23.5	18.0	22.0	18.0
NR Band n41 PC2 (Path1)	G	AG1	19.0	17.5	17.5	17.5
NR Band n41 PC2 (Path2)	H	AG1	27.0	19.0	N/A	19.0
NR Band n41 PC2 (Path2)	B	AG0	22.5	18.0	N/A	18.0
NR Band n41 PC2 (Path2)	G	AG1	22.5	20.0	N/A	20.0
NR Band n41 PC2 (Path2)	C	AG0	18.5	15.0	N/A	15.0
NR Band n38	B	AG0	25.0	19.5	30.0	20.5
NR Band n38	H	AG1	25.0	19.0	16.5	19.0
NR Band n48	F	AG1	22.0	16.0	13.0	16.0
NR Band n48	H	AG1	21.0	17.0	14.0	17.0
NR Band n48	K	AG1	21.0	17.5	14.5	17.5
NR Band n48	C	AG0	21.0	16.5	13.0	16.5
NR Band n78 PC2	F	AG1	26.5	17.0	14.0	17.0
NR Band n78 PC2	H	AG1	25.0	17.0	14.5	17.0
NR Band n78 PC2	K	AG1	25.0	18.0	15.0	18.0
NR Band n78 PC2	C	AG0	24.0	16.5	13.5	16.5
NR Band n77 PC2	F	AG1	26.5	17.0	14.0	17.0
NR Band n77 PC2	H	AG1	25.0	17.0	14.5	17.0
NR Band n77 PC2	K	AG1	25.0	18.0	15.0	18.0
NR Band n77 PC2	C	AG0	24.0	16.5	13.5	16.5
2.4 GHz WIFI	G	AG1	19.0	21.4	17.5	17.0
2.4 GHz WIFI	C	AG0	19.0	19.7	17.5	17.0
2.4 GHz WIFI MIMO	G	AG1	19.0	19.7	17.5	17.0
2.4 GHz WIFI MIMO	C	AG0	19.0	19.7	17.5	17.0
5 GHz WIFI	F	AG1	17.0	17.7	15.0	17.8
5 GHz WIFI	I	AG1	17.0	18.6	15.0	17.3
5 GHz WIFI	MIMO	AG1	17.0	17.1	15.0	17.1
6 GHz WIFI	F	AG1	16.0	11.0	15.0	18.5
6 GHz WIFI	I	AG1	16.0	11.0	15.0	20.3
6 GHz WIFI	MIMO	AG1	16.0	11.0	15.0	17.4
2.4 GHz Bluetooth	G	AG1	18.4	20.3	15.0	22.4
2.4 GHz Bluetooth	C	AG0	17.4	18.0	15.0	19.0
2.4 GHz Bluetooth MIMO	G	AG1	13.4	18.0	12.0	14.8
2.4 GHz Bluetooth MIMO	C	AG0	10.9	18.0	9.5	14.8
NTN Band 255	M	N/A	23.0	20.5	N/A	N/A

For Closed configurations, there is no Antenna Grouping

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Notes:

1. When $P_{max} < P_{limit}$ EFS, the DUT will operate at a power level up to P_{max}
2. All P_{limit} EFS and maximum tune-up output power P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of GMSK, TDD, or OFDM modulation schemes (e.g. GSM, LTE TDD, WLAN, BT).
3. Maximum tune-up output power P_{max} is used to configure EUT during RF tune up procedure. The maximum allowed output power is equal to maximum tune-up output power + 1dB device design uncertainty.
4. WLAN MIMO P_{max} and P_{limit} are defined per antenna chain.

The maximum time-averaged output power (dBm) for any WWAN sub-6/WLAN/BT/NTN technology, band, and DSI is the minimum of (" P_{limit} EFS" and "Maximum tune up output power P_{max} ") + 1dB device uncertainty. SAR values in this report were scaled to this maximum time-averaged output power to determine compliance per KDB Publication 447498 D04v01.

2.3 Nominal and Maximum Output Power Specifications

This device operates using the following maximum and nominal output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB Publication 447498 D04v01.

Note: Targets for 802.11ax/be RU operations can be found in 802.11ax/be RU SAR Exclusion Appendix.

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2.3.1 Licensed Output Power

GSM/GPRS/EDGE 850										
Antenna A										
Power Level		Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
		1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Pmax	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	26.8	24.8	22.8	21.8
	Nominal	32.5	32.5	31.5	29.5	27.5	25.8	23.8	21.8	20.8
DSI = 0 (Open / Freespace)	Max Allowed Power	31.0	31.0	28.0	26.2	25.0	26.8	24.8	22.8	21.8
	Nominal	30.0	30.0	27.0	25.2	24.0	25.8	23.8	21.8	20.8
DSI = 1 (RCV on)	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	26.8	24.8	22.8	21.8
	Nominal	32.5	32.5	31.5	29.5	27.5	25.8	23.8	21.8	20.8
DSI = 2 (Open / Hotspot)	Max Allowed Power	N/A	31.0	28.0	26.2	25.0	26.8	24.8	22.8	21.8
	Nominal	N/A	30.0	27.0	25.2	24.0	25.8	23.8	21.8	20.8
DSI = 3 (Closed / Freespace)	Max Allowed Power	32.0	32.0	29.0	27.2	26.0	26.8	24.8	22.8	21.8
	Nominal	31.0	31.0	28.0	26.2	25.0	25.8	23.8	21.8	20.8
DSI = 4 (Closed / Hotspot)	Max Allowed Power	N/A	32.0	29.0	27.2	26.0	26.8	24.8	22.8	21.8
	Nominal	N/A	31.0	28.0	26.2	25.0	25.8	23.8	21.8	20.8

GSM/GPRS/EDGE 850										
Antenna E										
Power Level		Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
		1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Pmax	Max Allowed Power	32.5	32.5	29.5	27.7	26.5	28.0	26.0	24.0	23.0
	Nominal	31.5	31.5	28.5	26.7	25.5	27.0	25.0	23.0	22.0
DSI = 0 (Open / Freespace)	Max Allowed Power	32.5	32.5	29.5	27.7	26.5	28.0	26.0	24.0	23.0
	Nominal	31.5	31.5	28.5	26.7	25.5	27.0	25.0	23.0	22.0
DSI = 1 (RCV on)	Max Allowed Power	32.2	32.2	29.2	27.4	26.2	28.0	26.0	24.0	23.0
	Nominal	31.2	31.2	28.2	26.4	25.2	27.0	25.0	23.0	22.0
DSI = 2 (Open / Hotspot)	Max Allowed Power	N/A	32.5	29.5	27.7	26.5	28.0	26.0	24.0	23.0
	Nominal	N/A	31.5	28.5	26.7	25.5	27.0	25.0	23.0	22.0
DSI = 3 (Closed / Freespace)	Max Allowed Power	32.5	32.5	29.5	27.7	26.5	28.0	26.0	24.0	23.0
	Nominal	31.5	31.5	28.5	26.7	25.5	27.0	25.0	23.0	22.0
DSI = 4 (Closed / Hotspot)	Max Allowed Power	N/A	32.5	29.5	27.7	26.5	28.0	26.0	24.0	23.0
	Nominal	N/A	31.5	28.5	26.7	25.5	27.0	25.0	23.0	22.0

GSM/GPRS/EDGE 1900										
Antenna B										
Power Level		Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
		1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Pmax	Max Allowed Power	30.0	30.0	27.0	25.2	24.0	25.0	23.0	21.0	20.0
	Nominal	29.0	29.0	26.0	24.2	23.0	24.0	22.0	20.0	19.0
DSI = 0 (Open / Freespace)	Max Allowed Power	28.5	28.5	25.5	23.7	22.5	25.0	23.0	21.0	20.0
	Nominal	27.5	27.5	24.5	22.7	21.5	24.0	22.0	20.0	19.0
DSI = 1 (RCV on)	Max Allowed Power	30.0	30.0	27.0	25.2	24.0	25.0	23.0	21.0	20.0
	Nominal	29.0	29.0	26.0	24.2	23.0	24.0	22.0	20.0	19.0
DSI = 2 (Open / Hotspot)	Max Allowed Power	N/A	28.5	25.5	23.7	22.5	25.0	23.0	21.0	20.0
	Nominal	N/A	27.5	24.5	22.7	21.5	24.0	22.0	20.0	19.0
DSI = 3 (Closed / Freespace)	Max Allowed Power	28.5	28.5	25.5	23.7	22.5	25.0	23.0	21.0	20.0
	Nominal	27.5	27.5	24.5	22.7	21.5	24.0	22.0	20.0	19.0
DSI = 4 (Closed / Hotspot)	Max Allowed Power	N/A	28.5	25.5	23.7	22.5	25.0	23.0	21.0	20.0
	Nominal	N/A	27.5	24.5	22.7	21.5	24.0	22.0	20.0	19.0

For GSM, the above powers listed are GSM burst average values.

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UMTS Band 5 (850 MHz)					
Antenna A					
Power Level		Modulated Average Output Power (in dBm)			
		3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
Pmax	Max Allowed Power	25.0	24.0	24.0	24.0
	Nominal	24.0	23.0	23.0	23.0
DSI = 0 (Open / Freespace)	Max Allowed Power	23.0	22.0	22.0	22.0
	Nominal	22.0	21.0	21.0	21.0
DSI = 1 (RCV on)	Max Allowed Power	23.0	22.0	22.0	22.0
	Nominal	22.0	21.0	21.0	21.0
DSI = 2 (Open / Hotspot)	Max Allowed Power	23.0	22.0	22.0	22.0
	Nominal	22.0	21.0	21.0	21.0
DSI = 3 (Closed / Freespace)	Max Allowed Power	23.5	22.5	22.5	22.5
	Nominal	22.5	21.5	21.5	21.5
DSI = 4 (Closed / Hotspot)	Max Allowed Power	23.5	22.5	22.5	22.5
	Nominal	22.5	21.5	21.5	21.5
UMTS Band 5 (850 MHz)					
Antenna E					
Power Level		Modulated Average Output Power (in dBm)			
		3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
Pmax	Max Allowed Power	25.5	24.5	24.5	24.5
	Nominal	24.5	23.5	23.5	23.5
DSI = 0 (Open / Freespace)	Max Allowed Power	24.0	23.0	23.0	23.0
	Nominal	23.0	22.0	22.0	22.0
DSI = 1 (RCV on)	Max Allowed Power	23.0	22.0	22.0	22.0
	Nominal	22.0	21.0	21.0	21.0
DSI = 2 (Open / Hotspot)	Max Allowed Power	24.0	23.0	23.0	23.0
	Nominal	23.0	22.0	22.0	22.0
DSI = 3 (Closed / Freespace)	Max Allowed Power	24.5	23.5	23.5	23.5
	Nominal	23.5	22.5	22.5	22.5
DSI = 4 (Closed / Hotspot)	Max Allowed Power	24.5	23.5	23.5	23.5
	Nominal	23.5	22.5	22.5	22.5
UMTS Band 4 (1750 MHz)					
Antenna B					
Power Level		Modulated Average Output Power (in dBm)			
		3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
Pmax	Max Allowed Power	24.5	23.5	23.5	23.5
	Nominal	23.5	22.5	22.5	22.5
DSI = 0 (Open / Freespace)	Max Allowed Power	20.0	19.0	19.0	19.0
	Nominal	19.0	18.0	18.0	18.0
DSI = 1 (RCV on)	Max Allowed Power	23.4	22.4	22.4	22.4
	Nominal	22.4	21.4	21.4	21.4
DSI = 2 (Open / Hotspot)	Max Allowed Power	20.0	19.0	19.0	19.0
	Nominal	19.0	18.0	18.0	18.0
DSI = 3 (Closed / Freespace)	Max Allowed Power	20.0	19.0	19.0	19.0
	Nominal	19.0	18.0	18.0	18.0
DSI = 4 (Closed / Hotspot)	Max Allowed Power	20.0	19.0	19.0	19.0
	Nominal	19.0	18.0	18.0	18.0
UMTS Band 2 (1900 MHz)					
Antenna B					
Power Level		Modulated Average Output Power (in dBm)			
		3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
Pmax	Max Allowed Power	24.5	23.5	23.5	23.5
	Nominal	23.5	22.5	22.5	22.5
DSI = 0 (Open / Freespace)	Max Allowed Power	18.5	17.5	17.5	17.5
	Nominal	17.5	16.5	16.5	16.5
DSI = 1 (RCV on)	Max Allowed Power	23.4	22.4	22.4	22.4
	Nominal	22.4	21.4	21.4	21.4
DSI = 2 (Open / Hotspot)	Max Allowed Power	18.5	17.5	17.5	17.5
	Nominal	17.5	16.5	16.5	16.5
DSI = 3 (Closed / Freespace)	Max Allowed Power	19.5	18.5	18.5	18.5
	Nominal	18.5	17.5	17.5	17.5
DSI = 4 (Closed / Hotspot)	Max Allowed Power	19.5	18.5	18.5	18.5
	Nominal	18.5	17.5	17.5	17.5

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Mode / Band	Antenna		Modulated Average Output Power (in dBm)					
			Pmax	DSI = 0 (Open / Freespace)	DSI = 1 (RCV on)	DSI = 2 (Open / Hotspot)	DSI = 3 (Closed / Freespace)	DSI = 4 (Closed / Hotspot)
LTE Band 71	A	Max Allowed Power	25.0	25.0	25.0	25.0	25.0	25.0
		Nominal	24.0	24.0	24.0	24.0	24.0	24.0
LTE Band 71	E	Max Allowed Power	25.0	23.0	22.5	23.0	23.0	23.0
		Nominal	24.0	22.0	21.5	22.0	22.0	22.0
LTE Band 12	A	Max Allowed Power	25.0	23.5	25.0	23.5	24.5	24.5
		Nominal	24.0	22.5	24.0	22.5	23.5	23.5
LTE Band 12	E	Max Allowed Power	25.0	23.0	22.0	23.0	23.5	23.5
		Nominal	24.0	22.0	21.0	22.0	22.5	22.5
LTE Band 13	A	Max Allowed Power	25.0	23.5	25.0	23.5	24.5	24.5
		Nominal	24.0	22.5	24.0	22.5	23.5	23.5
LTE Band 13	E	Max Allowed Power	25.0	22.0	21.0	22.0	22.0	22.0
		Nominal	24.0	21.0	20.0	21.0	21.0	21.0
LTE Band 14	A	Max Allowed Power	25.0	23.5	25.0	23.5	24.5	24.5
		Nominal	24.0	22.5	24.0	22.5	23.5	23.5
LTE Band 14	E	Max Allowed Power	25.5	22.5	21.5	22.5	22.5	22.5
		Nominal	24.5	21.5	20.5	21.5	21.5	21.5
LTE Band 26/5	A	Max Allowed Power	24.5	22.0	24.5	22.0	23.0	23.0
		Nominal	23.5	21.0	23.5	21.0	22.0	22.0
LTE Band 26/5	E	Max Allowed Power	25.5	23.5	22.5	23.5	24.0	24.0
		Nominal	24.5	22.5	21.5	22.5	23.0	23.0
LTE Band 66/4	B	Max Allowed Power	25.0	19.5	25.0	19.5	20.0	20.0
		Nominal	24.0	18.5	24.0	18.5	19.0	19.0
LTE Band 66/4	H	Max Allowed Power	25.5	22.0	20.0	22.0	22.5	22.5
		Nominal	24.5	21.0	19.0	21.0	21.5	21.5
LTE Band 25/2	B	Max Allowed Power	25.0	18.5	25.0	18.5	20.0	20.0
		Nominal	24.0	17.5	24.0	17.5	19.0	19.0
LTE Band 25/2	H	Max Allowed Power	25.5	21.5	19.5	21.5	21.5	21.5
		Nominal	24.5	20.5	18.5	20.5	20.5	20.5
LTE Band 30	B	Max Allowed Power	24.5	19.0	24.5	19.0	20.5	20.5
		Nominal	23.5	18.0	23.5	18.0	19.5	19.5
LTE Band 30	H	Max Allowed Power	25.0	19.0	18.0	19.0	20.0	20.0
		Nominal	24.0	18.0	17.0	18.0	19.0	19.0
LTE Band 7	B	Max Allowed Power	25.5	19.0	25.5	19.0	21.0	21.0
		Nominal	24.5	18.0	24.5	18.0	20.0	20.0
LTE Band 7	H	Max Allowed Power	25.5	19.5	17.5	19.5	20.5	20.5
		Nominal	24.5	18.5	16.5	18.5	19.5	19.5
LTE Band 41/38	B	Max Allowed Power	25.5	22.5	25.5	22.5	23.5	23.5
		Nominal	24.5	21.5	24.5	21.5	22.5	22.5
LTE Band 41/38	H	Max Allowed Power	26.0	22.0	19.5	22.0	22.0	22.0
		Nominal	25.0	21.0	18.5	21.0	21.0	21.0
LTE Band 48	F	Max Allowed Power	21.5	19.0	16.0	19.0	19.0	19.0
		Nominal	20.5	18.0	15.0	18.0	18.0	18.0

For LTE TDD, the above powers listed are TDD burst average values.

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Mode / Band	Antenna		Modulated Average Output Power (in dBm)					
			Pmax	DSI = 0 (Open / Freespace)	DSI = 1 (RCV on)	DSI = 2 (Open / Hotspot)	DSI = 3 (Closed / Freespace)	DSI = 4 (Closed / Hotspot)
NR Band n71	A	Max Allowed Power	24.5	24.5	24.5	24.5	24.5	24.5
		Nominal	23.5	23.5	23.5	23.5	23.5	23.5
NR Band n71	E	Max Allowed Power	25.0	23.0	22.5	23.0	23.0	23.0
		Nominal	24.0	22.0	21.5	22.0	22.0	22.0
NR Band n12	A	Max Allowed Power	25.0	23.5	25.0	23.5	24.5	24.5
		Nominal	24.0	22.5	24.0	22.5	23.5	23.5
NR Band n12	E	Max Allowed Power	25.0	23.0	22.0	23.0	23.5	23.5
		Nominal	24.0	22.0	21.0	22.0	22.5	22.5
NR Band n14	A	Max Allowed Power	25.0	23.5	25.0	23.5	24.5	24.5
		Nominal	24.0	22.5	24.0	22.5	23.5	23.5
NR Band n14	E	Max Allowed Power	25.5	22.5	21.5	22.5	22.5	22.5
		Nominal	24.5	21.5	20.5	21.5	21.5	21.5
NR Band n26/n5	A	Max Allowed Power	24.5	22.0	24.5	22.0	23.0	23.0
		Nominal	23.5	21.0	23.5	21.0	22.0	22.0
NR Band n26/n5	E	Max Allowed Power	25.5	23.5	22.5	23.5	24.0	24.0
		Nominal	24.5	22.5	21.5	22.5	23.0	23.0
NR Band n70	B	Max Allowed Power	25.0	19.5	25.0	19.5	21.0	21.0
		Nominal	24.0	18.5	24.0	18.5	20.0	20.0
NR Band n70	H	Max Allowed Power	25.5	21.5	19.5	21.5	21.5	21.5
		Nominal	24.5	20.5	18.5	20.5	20.5	20.5
NR Band n66	B	Max Allowed Power	25.0	19.5	25.0	19.5	20.0	20.0
		Nominal	24.0	18.5	24.0	18.5	19.0	19.0
NR Band n66	H	Max Allowed Power	25.5	22.0	20.0	22.0	22.5	22.5
		Nominal	24.5	21.0	19.0	21.0	21.5	21.5
NR Band n25/n2	B	Max Allowed Power	25.0	18.5	25.0	18.5	20.0	20.0
		Nominal	24.0	17.5	24.0	17.5	19.0	19.0
NR Band n25/n2	H	Max Allowed Power	25.5	21.5	19.5	21.5	21.5	21.5
		Nominal	24.5	20.5	18.5	20.5	20.5	20.5
NR Band n30	B	Max Allowed Power	24.5	19.0	24.5	19.0	20.5	20.5
		Nominal	23.5	18.0	23.5	18.0	19.5	19.5
NR Band n30	H	Max Allowed Power	25.0	19.0	18.0	19.0	20.0	20.0
		Nominal	24.0	18.0	17.0	18.0	19.0	19.0
NR Band n7	B	Max Allowed Power	25.5	19.0	25.5	19.0	21.0	21.0
		Nominal	24.5	18.0	24.5	18.0	20.0	20.0
NR Band n7	H	Max Allowed Power	25.5	19.5	17.5	19.5	20.5	20.5
		Nominal	24.5	18.5	16.5	18.5	19.5	19.5
NR Band n41 PC2 (Path1)	B	Max Allowed Power	27.5	20.5	27.5	20.5	21.5	21.5
		Nominal	26.5	19.5	26.5	19.5	20.5	20.5
NR Band n41 PC2 (Path1)	H	Max Allowed Power	24.5	20.0	17.5	20.0	20.0	20.0
		Nominal	23.5	19.0	16.5	19.0	19.0	19.0
NR Band n41 PC2 (Path1)	C	Max Allowed Power	24.5	19.0	23.0	19.0	19.0	19.0
		Nominal	23.5	18.0	22.0	18.0	18.0	18.0
NR Band n41 PC2 (Path1)	G	Max Allowed Power	20.0	18.5	18.5	18.5	18.5	18.5
		Nominal	19.0	17.5	17.5	17.5	17.5	17.5
NR Band n41 PC2 (Path2)	H	Max Allowed Power	28.0	20.0		20.0	20.0	20.0
		Nominal	27.0	19.0		19.0	19.0	19.0
NR Band n41 PC2 (Path2)	B	Max Allowed Power	23.5	19.0		19.0	19.0	19.0
		Nominal	22.5	18.0		18.0	18.0	18.0
NR Band n41 PC2 (Path2)	G	Max Allowed Power	23.5	21.0		21.0	21.0	21.0
		Nominal	22.5	20.0		20.0	20.0	20.0
NR Band n41 PC2 (Path2)	C	Max Allowed Power	19.5	16.0		16.0	16.0	16.0
		Nominal	18.5	15.0		15.0	15.0	15.0
NR Band n38	B	Max Allowed Power	26.0	20.5	26.0	20.5	21.5	21.5
		Nominal	25.0	19.5	25.0	19.5	20.5	20.5
NR Band n38	H	Max Allowed Power	26.0	20.0	17.5	20.0	20.0	20.0
		Nominal	25.0	19.0	16.5	19.0	19.0	19.0
NR Band n48	F	Max Allowed Power	23.0	17.0	14.0	17.0	17.0	17.0
		Nominal	22.0	16.0	13.0	16.0	16.0	16.0
NR Band n48	H	Max Allowed Power	22.0	18.0	15.0	18.0	18.0	18.0
		Nominal	21.0	17.0	14.0	17.0	17.0	17.0
NR Band n48	K	Max Allowed Power	22.0	18.5	15.5	18.5	18.5	18.5
		Nominal	21.0	17.5	14.5	17.5	17.5	17.5
NR Band n48	C	Max Allowed Power	22.0	17.5	14.0	17.5	17.5	17.5
		Nominal	21.0	16.5	13.0	16.5	16.5	16.5
NR Band n78 PC2	F	Max Allowed Power	27.5	18.0	15.0	18.0	18.0	18.0
		Nominal	26.5	17.0	14.0	17.0	17.0	17.0
NR Band n78 PC2	H	Max Allowed Power	26.0	18.0	15.5	18.0	18.0	18.0
		Nominal	25.0	17.0	14.5	17.0	17.0	17.0
NR Band n78 PC2	K	Max Allowed Power	26.0	19.0	16.0	19.0	19.0	19.0
		Nominal	25.0	18.0	15.0	18.0	18.0	18.0
NR Band n78 PC2	C	Max Allowed Power	25.0	17.5	14.5	17.5	17.5	17.5
		Nominal	24.0	16.5	13.5	16.5	16.5	16.5
NR Band n77 PC2	F	Max Allowed Power	27.5	18.0	15.0	18.0	18.0	18.0
		Nominal	26.5	17.0	14.0	17.0	17.0	17.0
NR Band n77 PC2	H	Max Allowed Power	26.0	18.0	15.5	18.0	18.0	18.0
		Nominal	25.0	17.0	14.5	17.0	17.0	17.0
NR Band n77 PC2	K	Max Allowed Power	26.0	19.0	16.0	19.0	19.0	19.0
		Nominal	25.0	18.0	15.0	18.0	18.0	18.0
NR Band n77 PC2	C	Max Allowed Power	25.0	17.5	14.5	17.5	17.5	17.5
		Nominal	24.0	16.5	13.5	16.5	16.5	16.5

For NR TDD, the above powers listed are TDD burst average and framed average values

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2.3.2 NTN Satellite Output Power

Mode / Band	Antenna		Modulated Average Output Power (in dBm)					
			Pmax	DSI = 0 (Open / Freespace)	DSI = 1 (RCV on)	DSI = 2 (Open / Hotspot)	DSI = 3 (Closed / Freespace)	DSI = 4 (Closed / Hotspot)
NTN Band 255	M	Max Allowed Power	25.5	23.0	N/A	23.0	N/A	N/A
		Nominal	24.5	22.0	N/A	22.0	N/A	N/A

2.3.3 2.4 GHz WLAN Output Power

The below table is applicable in the following conditions:

- Pmax
- DSI = 0/2 (Open, Free, Hotspot)

Band	SSG-A (2.4 GHz)												SSG-B (2.4 GHz)											
	SSG-A (2.4 GHz)						SSG-B (2.4 GHz)						SSG-A (2.4 GHz)						SSG-B (2.4 GHz)					
Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max
Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

The below table is applicable in the following conditions:

- DSI = 1 (RCV On)

Band	SSG-A (2.4 GHz)												SSG-B (2.4 GHz)											
	SSG-A (2.4 GHz)						SSG-B (2.4 GHz)						SSG-A (2.4 GHz)						SSG-B (2.4 GHz)					
Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max
Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

The below table is applicable in the following conditions:

- DSI = 3/4 (Closed, Free, Hotspot)

Band	SSG-A (2.4 GHz)												SSG-B (2.4 GHz)											
	SSG-A (2.4 GHz)						SSG-B (2.4 GHz)						SSG-A (2.4 GHz)						SSG-B (2.4 GHz)					
Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max	Max
Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

2.3.4 5 GHz WLAN Output Power

The below table is applicable in the following conditions:

- Pmax
- DSI = 0/2 (Open, Free, Hotspot)
- DSI = 3/4 (Closed, Free, Hotspot)

Mode	Band	SSG 30.15: Medicated Control Protocol (in dBm)																								SSG 30.15: Medicated Control Protocol (in dBm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max

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Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.	Page 13 of 198

The below table is applicable in the following conditions:

- DSI = 1 (RCV On)

[illegible]

2.3.5 6 GHz WLAN Output Power

The below table is applicable in the following conditions:

- Pmax
- DSI = 3/4 (Closed , Free ,Hotspot)

Mode		Band		IEEE 802.11 Modulated Output Power (in dBm)																	
				SISO						SISO						SISO in MIMO					
				Antenna F						Antenna I						MIMO					
		a		ae (SU)		be (SU)		a		ae (SU)		be (SU)		a (CDD + STBC)		ae (SU) (CDD + STBC, SCM)		be (SU) (CDD + STBC, SCM)			
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.		
6 GHz WiFi (20MHz BW) - LPI	UNI-5	11.0 ch. 2: 7.5	10.0 6.5	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 7.5	10.0 6.5	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 7.5	10.0 6.5	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 8.0	10.0 7.0		
	UNI-6	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0		
	UNI-7	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0		
	UNI-8	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0		
6 GHz WiFi (40MHz BW) - LPI	UNI-5			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0		
	UNI-6			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0		
	UNI-7			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0		
	UNI-8			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0		
6 GHz WiFi (80MHz BW) - LPI	UNI-5			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0		
	UNI-6			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0		
	UNI-7			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0		
	UNI-8			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0		
6 GHz WiFi (160MHz BW) - LPI	UNI-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0		
	UNI-6			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0		
	UNI-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0		
	UNI-8			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0		
6 GHz WiFi (320MHz BW) - LPI	UNI-5					15.0	14.0					15.0	14.0					15.0	14.0		
	UNI-6					15.0	14.0					15.0	14.0					15.0	14.0		
	UNI-7					15.0	14.0					15.0	14.0					15.0	14.0		
	UNI-8					15.0	14.0					15.0	14.0					15.0	14.0		

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna I						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	
6 GHz WiFi (20MHz BW) - SP	UNI-5	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
	ch. 2: 7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0	ch. 2: 8.0	7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0	ch. 2: 7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0
6 GHz WiFi (40MHz BW) - SP	UNI-7	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
	UNI-5			17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0
6 GHz WiFi (80MHz BW) - SP	UNI-5			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
	UNI-7			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
6 GHz WiFi (160MHz BW) - SP	UNI-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNI-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WiFi (320MHz BW) - SP	UNI-5					15.0	14.0					15.0	14.0					15.0	14.0

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Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna I						MIMO					
		a		ax (SU)		tx (SU)		a		ax (SU)		tx (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		tx (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	
6 GHz WiFi (20MHz BW) - VLP	UNII-5	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-6	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-7	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-8	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
6 GHz WiFi (40MHz BW) - VLP	UNII-5			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
	UNII-6			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0						
	UNII-7			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0						
	UNII-8			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0						
6 GHz WiFi (80MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
6 GHz WiFi (160MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
6 GHz WiFi (320MHz BW) - VLP	UNII-5			12.0	11.0					12.0	11.0							12.0	11.0
	UNII-6			12.0	11.0					12.0	11.0							12.0	11.0
	UNII-7			12.0	11.0					12.0	11.0							12.0	11.0
	UNII-8			12.0	11.0					12.0	11.0							12.0	11.0

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The below table is applicable in the following conditions:

- DSI = 0/2 (Open, Free, Hotspot)

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F			Antenna I			Antenna F			Antenna I			MIMO			MIMO		
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WiFi (20MHz BW) - LPI	UNII-5	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
		ch. 2: 7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0	ch. 2: 7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0	ch. 2: 7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0
	UNII-6	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
	UNII-7	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
6 GHz WiFi (40MHz BW) - LPI	UNII-8	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WiFi (80MHz BW) - LPI	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WiFi (160MHz BW) - LPI	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WiFi (320MHz BW) - LPI	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WiFi (320MHz BW) - SP	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0

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Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna I						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WiFi (20MHz BW) - VLP	UNII-5	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-6	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-7	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-8	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
6 GHz WiFi (40MHz BW) - VLP	UNII-5			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
	UNII-6			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0						
	UNII-7			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0						
	UNII-8			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0						
6 GHz WiFi (80MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
6 GHz WiFi (160MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0						
6 GHz WiFi (320MHz BW) - VLP	UNII-5					12.0	11.0					12.0	11.0					12.0	11.0
	UNII-6					12.0	11.0					12.0	11.0					12.0	11.0
	UNII-7					12.0	11.0					12.0	11.0					12.0	11.0
	UNII-8					12.0	11.0					12.0	11.0					12.0	11.0

The below table is applicable in the following conditions:

- DSI = 1 (RCV On)

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna I						MIMO					
	a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)		
Maximum / Nominal Power	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	
6 GHz WiFi (20MHz BW) - LPI	UNII-5	11.0 ch. 2: 7.5	10.0 6.5	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 7.5	10.0 6.5	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 7.5	10.0 6.5	11.0 ch. 2: 8.0	10.0 7.0	11.0 ch. 2: 8.0	10.0 7.0
	UNII-6	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
	UNII-7	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
	UNII-8	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
6 GHz WiFi (40MHz BW) - LPI	UNII-5			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
	UNII-6			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0						
	UNII-7			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0						
	UNII-8			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0						
6 GHz WiFi (80MHz BW) - LPI	UNII-5			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
	UNII-6			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0						
	UNII-7			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0						
	UNII-8			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0						
6 GHz WiFi (160MHz BW) - LPI	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-6			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0						
	UNII-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0						
	UNII-8			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0						
6 GHz WiFi (320MHz BW) - LPI	UNII-5					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-6					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-7					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-8					15.0	14.0					15.0	14.0					15.0	14.0

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Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna I						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WiFi (20MHz BW) - SP	UNII-5	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0
		ch. 2: 7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0	ch. 2: 7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0	ch. 2: 7.5	6.5	ch. 2: 8.0	7.0	ch. 2: 8.0	7.0
6 GHz WiFi (40MHz BW) - SP	UNII-7	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0	15.0
6 GHz WiFi (80MHz BW) - SP	UNII-5			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
				16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
6 GHz WiFi (80MHz BW) - SP	UNII-7			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
				16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
6 GHz WiFi (160MHz BW) - SP	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
				15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WiFi (320MHz BW) - SP	UNII-7					15.0	14.0					15.0	14.0					15.0	14.0

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna I						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WiFi (20MHz BW) - VLP	UNII-5	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-6	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-7	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-8	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
6 GHz WiFi (40MHz BW) - VLP	UNII-5			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
	UNII-6			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
	UNII-7			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
	UNII-8			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
6 GHz WiFi (80MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WiFi (160MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-6			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-8			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WiFi (320MHz BW) - VLP	UNII-5					12.0	11.0					12.0	11.0					12.0	11.0
	UNII-6					12.0	11.0					12.0	11.0					12.0	11.0
	UNII-7					12.0	11.0					12.0	11.0					12.0	11.0
	UNII-8					12.0	11.0					12.0	11.0					12.0	11.0

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2.3.6 2.4 GHz Maximum Bluetooth Output Power

The below table is applicable in the following conditions:

- Pmax, DSI = 0/2 (Open, Free Hotspot), DSI = 3/4 (Closed, Free, Hotspot)

Mode	Data Rate	Modulated Output Power (in dBm)							
		Single Antenna				Each Chain in Dual Mode			
		Antenna G		Antenna C		Antenna G		Antenna C	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
Bluetooth	1Mbps	19.0	18.0	19.0	18.0	15.0	14.0	12.5	11.5
Bluetooth EDR	2Mbps	16.0	15.0	16.0	15.0	12.0	11.0	9.0	8.0
Bluetooth EDR	3Mbps	16.0	15.0	16.0	15.0	12.0	11.0	9.0	8.0
Bluetooth LE	1Mbps	20.0	19.0	19.0	18.0	15.0	14.0	12.5	11.5
Bluetooth LE	2Mbps	20.0	19.0	19.0	18.0	15.0	14.0	12.5	11.5
Bluetooth LE	125kbps	11.5	10.5	9.5	8.5	N/A	N/A	N/A	N/A
Bluetooth LE	500kbps	11.5	10.5	9.5	8.5	N/A	N/A	N/A	N/A

- DSI = 1 (RCV On)

Mode	Data Rate	Modulated Output Power (in dBm)							
		Single Antenna				Each Chain in Dual Mode			
		Antenna G		Antenna C		Antenna G		Antenna C	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
Bluetooth	1Mbps	17.0	16.0	17.0	16.0	14.0	13.0	11.5	10.5
Bluetooth EDR	2Mbps	16.0	15.0	16.0	15.0	12.0	11.0	9.0	8.0
Bluetooth EDR	3Mbps	16.0	15.0	16.0	15.0	12.0	11.0	9.0	8.0
Bluetooth LE	1Mbps	16.6	15.6	16.6	15.6	13.6	12.6	11.1	10.1
Bluetooth LE	2Mbps	16.6	15.6	16.6	15.6	13.6	12.6	11.1	10.1
Bluetooth LE	125kbps	11.5	10.5	9.5	8.5	N/A	N/A	N/A	N/A
Bluetooth LE	500kbps	11.5	10.5	9.5	8.5	N/A	N/A	N/A	N/A

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2.4 DUT Antenna Locations

A diagram showing the location of the device antennas for both open and closed configurations can be found in DUT Antenna Diagram and SAR Test Setup Photographs Appendix. When the device is open, the overall dimensions of this device are > 9 x 5 cm. Since the diagonal dimension of this device when open is > 160 mm and <200 mm, it is considered a “phablet.” and operates similar to a traditional portable handset. In the closed configuration, only a simple display/interaction of notifications occurs and overall dimensions are < 9 x 5 cm. Therefore, when the device is closed, the only testing considered is for body-worn and hotspot.

Table 2-1
Device Edges/Sides for Open Configuration SAR Testing

Antenna	Back	Front	Top	Bottom	Right	Left
A	Yes	Yes	No	Yes	Yes	No
B	Yes	Yes	No	Yes	No	Yes
C	Yes	Yes	No	Yes	No	Yes
E	Yes	Yes	Yes	No	No	Yes
F	Yes	Yes	Yes	No	No	Yes
G	Yes	Yes	Yes	No	No	Yes
H	Yes	Yes	Yes	No	Yes	No
I	Yes	Yes	Yes	No	Yes	No
K	Yes	Yes	Yes	No	Yes	No
M	Yes	Yes	Yes	No	No	Yes
F + I MIMO	Yes	Yes	Yes	No	Yes	Yes
NFC	Yes	Yes	Yes	Yes	Yes	Yes

Table 2-2
Device Edges/Sides for Closed Configuration SAR Testing

Antenna	Back	Front	Top	Bottom	Right	Left
A	Yes	Yes	No	Yes	Yes	No
B	Yes	Yes	No	Yes	No	Yes
C	Yes	Yes	Yes	Yes	No	Yes
E	Yes	Yes	Yes	Yes	No	Yes
F	Yes	Yes	No	Yes	No	Yes
G	Yes	Yes	No	Yes	No	Yes
H	Yes	Yes	No	Yes	Yes	No
I	Yes	Yes	Yes	Yes	Yes	No
K	Yes	Yes	No	Yes	Yes	No
G + C MIMO	Yes	Yes	Yes	Yes	No	Yes
F + I MIMO	Yes	Yes	Yes	Yes	Yes	Yes
NFC	Yes	Yes	Yes	Yes	Yes	Yes

Note: Particular DUT edges were not required to be evaluated for wireless router SAR or phablet SAR if the edges were greater than 2.5 cm from the transmitting antenna according to FCC KDB Publication 648474 D04. The distances between the transmit antennas and the edges of the device are included in the filing. When wireless router mode is enabled, NTN, UNII- 2A, U-NII-2C, U-NII-4, and WiFi6E SP/LPI operations are disabled.

2.5 Near Field Communications (NFC) Antenna

This DUT has NFC operations. The NFC antenna is integrated into the device for this model. Therefore, all SAR tests were performed with the device which already incorporates the NFC antenna. A diagram showing the location of the NFC antenna can be found in DUT Antenna Diagram & SAR Test Setup Photographs Appendix.

2.6 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D04v01, transmitters are considered to be operating simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D04v01 procedures.

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Table 2-3
Simultaneous Transmission Scenarios

[illegible]

1. SISO represents 2.4 GHz WLAN/BT transmission on Ant G or Ant C, and 5/6 GHz transmission on Ant F or Ant I.
2. When the user utilizes multiple services in UMTS 3G mode it uses multi-Radio Access Bearer or multi-RAB. The power control is based on a physical control channel (Dedicated Physical Control Channel [DPCCH]) and power control will be adjusted to meet the needs of both services. Therefore, the UMTS+WLAN scenario also represents the UMTS Voice/DATA + WLAN Hotspot scenario.
3. Per the manufacturer, WIFI Direct is not expected to be used in conjunction with a held-to-ear or body-worn accessory voice call. Therefore, there are no simultaneous transmission scenarios involving WIFI direct beyond that listed in the above table.
4. 5 GHz Wireless Router is only supported for U-NII-1 and U-NII-3 by S/W, therefore U-NII-2A, U-NII-2C, and U-NII-4 were not evaluated for wireless router conditions.
5. 6 GHz Wireless Router is only supported for VLP mode, therefore SP and LPI were not evaluated for wireless router conditions.
6. This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac/ax/be. 802.11a/g/n/ac/ax/be supports CDD and STBC and 802.11n/ac/ax/be additionally supports SDM.
7. This device supports VoWIFI.
8. This device supports Bluetooth Tethering on Ant G only.
9. This device supports VoLTE.
10. This device supports VoNR.
11. LTE + 5G NR FR1 Scenarios are limited to EN-DC combinations with anchor bands as shown in the NR FR1 checklist.
12. WPT and NFC were evaluated for phablet based on expected usage conditions.
13. NB NTN-IoT only transmits only when the device is set to satellite mode and does not transmit with any other radios simultaneously.

2.7 Miscellaneous SAR Test Considerations

(A) WIFI/BT

Since U-NII-1 and U-NII-2A bands have the same maximum output power and the highest reported SAR for U-NII-2A is less than 1.2 W/kg, head and body-worn SAR is not required for U-NII-1 band according to FCC KDB Publication 248227 D01v02r02.

Since Wireless Router operations are not allowed by the chipset firmware using U-NII-2A, U-NII-2C, U-NII-4 WIFI and 6 GHz SP/LPI, only 2.4 GHz WIFI, 2.4 GHz Bluetooth Ant C, U-NII-1 and U-NII-3 WIFI, and 6 GHz VLP WIFI Hotspot SAR tests and combinations are considered for SAR with respect to Wireless Router configurations according to FCC KDB 941225 D06v02r01.

This device supports IEEE 802.11ax/be with the following features:

- a) Up to 320 MHz Bandwidth only for 6GHz
- b) Up to 160 MHz Bandwidth only for 5 GHz
- c) Up to 20 MHz Bandwidth only for 2.4 GHz
- d) 2 Tx antenna output
- e) Up to 4KQAM is supported
- f) TDWR and Band gap channels are supported for 5/6 GHz
- g) MU-MIMO UL Operations are not supported

Per FCC KDB Publication 648474 D04, this device is considered a "phablet" in open configuration since the display diagonal dimension is greater than 150mm and less than 200mm. Phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg. Because wireless router operations are not supported for 2.4 GHz Bluetooth Antenna G, 2.4 GHz Bluetooth MIMO, U-NII-2A, U-NII-2C, U-NII-4 WIFI and 6 GHz SP and LPI, phablet SAR tests were required.

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Per October 2024 TCB Workshop notes, phablet SAR testing can be conservatively covered by SAR testing at 5 mm. Because hotspot testing uses the same distance and power level, both scan types are consolidated under a single "Body" exposure condition in SAR data tables.

Per April 2019 TCB Workshop Notes and FCC guidance, SAR testing for 802.11ax/be follows initial test configuration procedures of KDB 248227, with 802.11ax/be considered a higher order 802.11 mode.

Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors for WIFI 6GHz/UWB and 8GHz SAR probe calibration factors for UWB. FCC KDB 648474, FCC KDB 941225 D07 and FCC KDB 248227 were followed for test positions, distances, and modes. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements. Incident power density is evaluated at 2mm ensuring that the resolution is sufficient such that integrated power density (iPD) between d=2mm and d=λ/5mm is ≥ -1dB per equipment manufacturer guidance. Power density results are scaled up for uncertainty above 30%. Per TCB workshop October 2020 notes, 5 channels were tested for WIFI 6 GHz.

(B) Licensed Transmitter(s)

GSM/GPRS/EDGE DTM is not supported for US bands. Therefore, the GSM Voice modes in this report do not transmit simultaneously with GPRS/EDGE Data.

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional SAR tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03r01.

LTE SAR for the higher modulations and lower bandwidths were not tested since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth; and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg for all configurations according to FCC KDB 941225 D05v02r04.

This device supports downlink LTE Carrier Aggregation (CA), downlink 4x4 MIMO operations for some LTE Bands, and 4x4 MIMO downlink carrier aggregation. Per October 2024 TCB Workshop notes, additional analysis is not required for downlink carrier aggregation.

Per FCC KDB Publication 648474 D04, this device is considered a "phablet" since the display diagonal dimension is greater than 150mm and less than 200mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg.

This device supports LTE/NR capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE/NR Band falls completely within an LTE/NR band with a larger transmission frequency range, both LTE/NR bands have the same target power (or the band with the larger transmission frequency range has a higher target power), and both LTE/NR bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

This device supports LTE Carrier Aggregation (CA) for LTE Band 48 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

This device can transmit with antenna switching for bands/modes on antenna A, B, C, E, G and H. SAR tests were performed for each antenna where switching is used per band/mode to ensure compliance. Antennas and indicated band/modes are included in section 2.3.1 of this report.

Per FCC Guidance, C-Band for NR n77 (3705 – 3975 MHz) was fully tested according to FCC procedures. For each exposure condition and antenna, the worst-case position was additionally evaluated for the NR n77 DoD (3455.01 – 3544.98 MHz).

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NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.

SRS was tested with CW signal per Qualcomm guidance in 80-w2112-4.

2.8 Guidance Applied

- IEEE 1528-2013
- FCC KDB Publication 941225 D01v03r01, D05v02r05, D05Av01r02, D06v02r01 (2G/3G/4G and Hotspot)
- FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D04v01 (General SAR Guidance)
- FCC KDB Publication 865664 D01v01r04, D02v01r02 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 648474 D04 (Phablet Procedures)
- October 2013 TCB Workshop Notes (GPRS Testing Considerations)
- May 2017 TCB Workshop Notes (LTE 4x4 Downlink MIMO)
- November 2017, April 2018, October 2018, October 2024 TCB Workshop Notes (LTE Carrier Aggregation)
- April 2025 TCB Workshop Notes (Dynamic Antenna Tuning)
- April 2019 TCB Workshop Notes (IEEE 802.11ax)
- October 2024 TCB Workshop Notes (Extremity Exclusions)
- November 2017, October 2018, April 2019, November 2019, October 2020 TCBC Workshop Notes (6-8 GHz)
- SPEAG DASY6 Application Note (Interim Procedures for Devices Operating at 6-10 GHz) (Nov 2021)
- IEC/IEEE 63195-1:2022
- IEC 62479:2010

2.9 Device Serial Numbers

Several samples with identical hardware were used to support SAR testing. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units. The serial numbers used for each test are indicated alongside the results in Section 12 and Section 13.

2.10 Bibliography

Report Type	Report Serial Number
RF Exposure Part 2 Test Report	1M2602190015-36.A3L
RF Exposure Compliance Summary Report	1M2602190015-37.A3L
RF Exposure Part 0 Test Report	1M2602190015-35.A3L

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3 LTE AND NR INFORMATION

LTE Information					
Form Factor	Portable Handset				
Frequency Range of each LTE transmission band	LTE Band 71: 665.5 - 695.5 MHz				
	LTE Band 12: 699.7 - 715.3 MHz				
	LTE Band 13: 779.5 - 794.5 MHz				
	LTE Band 14: 795.5 - 795.5 MHz				
	LTE Band 26: 814.7 - 848.3 MHz				
	LTE Band 5: 814.7 - 848.3 MHz				
	LTE Band 66: 1710.7 - 1779.3 MHz				
	LTE Band 4: 1710.7 - 1754.3 MHz				
	LTE Band 25: 1850.7 - 1914.3 MHz				
	LTE Band 2: 1850.7 - 1909.3 MHz				
	LTE Band 39: 2307.5 - 2312.5 MHz				
	LTE Band 7: 2502.5 - 2567.5 MHz				
	LTE Band 41: 2502.5 - 2687.5 MHz				
	LTE Band 38: 2572.5 - 2617.5 MHz				
	LTE Band 48: 3552.5 - 3697.5 MHz				
	LTE Band 71: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
Channel Bandwidths	LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 13: 5 MHz, 10 MHz				
	LTE Band 14: 5 MHz				
	LTE Band 26: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz				
	LTE Band 5: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 66: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 4: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 25: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 2: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 30: 5 MHz, 10 MHz				
	LTE Band 7: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 41: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 38: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 48: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
Channel Numbers and Frequencies (MHz)	Low	Low-Mid	Mid	Mid-High	High
LTE Band 71: 5 MHz	665.5 (133147)		665.5 (133297)		665.5 (133447)
LTE Band 71: 10 MHz	668 (133172)		680.5 (133297)		693 (133422)
LTE Band 71: 15 MHz	670.5 (133197)		680.5 (133297)		690.5 (133397)
LTE Band 71: 20 MHz	673 (133222)		680.5 (133297)		688 (133372)
LTE Band 12: 1.4 MHz	699.7 (23017)		707.5 (23096)		715.3 (23175)
LTE Band 12: 3 MHz	700.5 (23026)		707.5 (23096)		714.5 (23166)
LTE Band 12: 5 MHz	701.5 (23036)		707.5 (23096)		713.5 (23156)
LTE Band 12: 10 MHz	704 (23060)		707.5 (23096)		711 (23130)
LTE Band 13: 5 MHz	779.5 (23206)		782 (23230)		784.5 (23255)
LTE Band 13: 10 MHz	(N/A)		782 (23230)		(N/A)
LTE Band 14: 5 MHz	790.5 (23345)		788 (23330)		795.5 (23355)
LTE Band 14: 10 MHz	(N/A)		791 (23330)		(N/A)
LTE Band 26: 1.4 MHz	814.7 (26897)		831.5 (26865)		848.3 (27033)
LTE Band 26: 3 MHz	815.5 (26705)		831.5 (26865)		847.5 (27025)
LTE Band 26: 5 MHz	816.5 (26715)		831.5 (26865)		846.5 (27015)
LTE Band 26: 10 MHz	819 (26740)		831.5 (26865)		844 (26990)
LTE Band 26: 15 MHz	821.5 (26765)		831.5 (26865)		841.5 (26965)
LTE Band 5: 1.4 MHz	824.7 (20407)		836.5 (20525)		848.3 (20643)
LTE Band 5: 3 MHz	825.5 (20416)		836.5 (20525)		847.5 (20633)
LTE Band 5: 5 MHz	826.5 (20426)		836.5 (20525)		846.5 (20623)
LTE Band 5: 10 MHz	829 (20450)		836.5 (20525)		844 (20600)
LTE Band 66: 1.4 MHz	1710.7 (131979)		1745 (132322)		1779.3 (132665)
LTE Band 66: 3 MHz	1711.5 (131987)		1745 (132322)		1778.5 (132657)
LTE Band 66: 5 MHz	1712.5 (131997)		1745 (132322)		1777.5 (132647)
LTE Band 66: 10 MHz	1715 (132022)		1745 (132322)		1775 (132622)
LTE Band 66: 15 MHz	1717.5 (132047)		1745 (132322)		1772.5 (132597)
LTE Band 66: 20 MHz	1720 (132072)		1745 (132322)		1770 (132572)
LTE Band 4: 1.4 MHz	1730.7 (19967)		1732.5 (20175)		1754.3 (20383)
LTE Band 4: 3 MHz	1731.5 (19965)		1732.5 (20175)		1753.5 (20385)
LTE Band 4: 5 MHz	1732.5 (19975)		1732.5 (20175)		1752.5 (20375)
LTE Band 4: 10 MHz	1733 (20000)		1732.5 (20175)		1750 (20050)
LTE Band 4: 15 MHz	1737.5 (20025)		1732.5 (20175)		1747.5 (20025)
LTE Band 4: 20 MHz	1720 (20050)		1732.5 (20175)		1745 (20030)
LTE Band 25: 1.4 MHz	1850.7 (26047)		1882.5 (26365)		1914.3 (26683)
LTE Band 25: 3 MHz	1851.5 (26045)		1882.5 (26365)		1913.5 (26673)
LTE Band 25: 5 MHz	1852.5 (26055)		1882.5 (26365)		1912.5 (26663)
LTE Band 25: 10 MHz	1855 (26090)		1882.5 (26365)		1910 (26640)
LTE Band 25: 15 MHz	1857.5 (26115)		1882.5 (26365)		1907.5 (26615)
LTE Band 25: 20 MHz	1860 (26140)		1882.5 (26365)		1905 (26590)
LTE Band 2: 1.4 MHz	1860.7 (18967)		1880 (18900)		1899.3 (19123)
LTE Band 2: 3 MHz	1851.5 (18915)		1880 (18900)		1908.5 (19165)
LTE Band 2: 5 MHz	1852.5 (18925)		1880 (18900)		1907.5 (19175)
LTE Band 2: 10 MHz	1855 (18950)		1880 (18900)		1905 (19150)
LTE Band 2: 15 MHz	1857.5 (18975)		1880 (18900)		1902.5 (19125)
LTE Band 2: 20 MHz	1860 (18900)		1880 (18900)		1900 (19100)
LTE Band 30: 5 MHz	2307.5 (27785)		2310 (27710)		2312.5 (27775)
LTE Band 30: 10 MHz	(N/A)		2310 (27710)		(N/A)
LTE Band 7: 5 MHz	2502.5 (20775)		2535 (21100)		2567.5 (21425)
LTE Band 7: 10 MHz	2505 (20800)		2535 (21100)		2565 (21400)
LTE Band 7: 15 MHz	2507.5 (20825)		2535 (21100)		2562.5 (21375)
LTE Band 7: 20 MHz	2510 (20850)		2535 (21100)		2560 (21350)
LTE Band 41: 5 MHz	2502.5 (39715)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 10 MHz	2505 (39740)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 15 MHz	2507.5 (39765)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 20 MHz	2510 (39790)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 38: 5 MHz	2572.5 (37775)		2595 (38000)		2617.5 (38225)
LTE Band 38: 10 MHz	2575 (37800)		2595 (38000)		2615 (38200)
LTE Band 38: 15 MHz	2577.5 (37825)		2595 (38000)		2612.5 (38175)
LTE Band 38: 20 MHz	2580 (37850)		2595 (38000)		2610 (38150)
LTE Band 48: 5 MHz	3552.5 (55285)	3600.8 (55748)	(N/A)	3649.2 (56232)	3697.5 (56715)
LTE Band 48: 10 MHz	3555 (55290)	3601.7 (55757)	(N/A)	3648.3 (56223)	3695 (56690)
LTE Band 48: 15 MHz	3557.5 (55315)	3602.5 (55765)	(N/A)	3647.5 (56215)	3692.5 (56665)
LTE Band 48: 20 MHz	3560 (55340)	3603.3 (55773)	(N/A)	3646.7 (56207)	3690 (56640)
UE Category	UL UE Cat 15, DL UE Cat 20				
Modulations Supported in UL	QPSK, 16QAM, 64QAM, 256QAM				
LTE MPR Permanently implemented per 3GPP TS 36.101 section 9.2.3-6.2.5? (manufacturer attestation to be provided)	YES				
A-MPR (Additional MPR) disabled for SAR Testing?	YES				
LTE Carrier Aggregation Possible Combinations	The technical description includes all the possible carrier aggregation combinations				
LTE Additional Information	This device does not support full CA features on 3GPP Release 17. It supports carrier aggregation and downlink MIMO features. All uplink communications are identical to the Release 8 Specifications. Uplink communications are done on the PCC. The following LTE Release 17 Features are not supported: Relay, HeNet, Enhanced MIMO, eCIC, eMBMS, WII Offloading, Cross-Carrier Scheduling, Enhanced SC-FDMA.				

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4 INTRODUCTION

The FCC and Innovation, Science, and Economic Development Canada have adopted the guidelines for evaluating the environmental effects of radio frequency (RF) radiation in ET Docket 93-62 on Aug. 6, 1996 and Health Canada Safety Code 6 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices. [1]

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz [3] and Health Canada RF Exposure Guidelines Safety Code 6 [22]. The measurement procedure described in IEEE/ANSI C95.3-2002 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave [4] is used for guidance in measuring the Specific Absorption Rate (SAR) due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the International Committee for Non-Ionizing Radiation Protection (ICNIRP) in Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields,” Report No. Vol 74. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

4.1 SAR Definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Equation 4-1).

Equation 4-1
SAR Mathematical Equation

$$SAR = \frac{d}{dt} \left(\frac{dU}{dm} \right) = \frac{d}{dt} \left(\frac{dU}{\rho dv} \right)$$

SAR is expressed in units of Watts per Kilogram (W/kg).

$$SAR = \frac{\sigma \cdot E^2}{\rho}$$

where:

- σ = conductivity of the tissue-simulating material (S/m)
- ρ = mass density of the tissue-simulating material (kg/m³)
- E = Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relation to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.[6]

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5 DOSIMETRIC ASSESSMENT

5.1 Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013:

1. The SAR distribution at the exposed side of the head or body was measured at a distance no greater than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the device-head and body interface and the horizontal grid resolution was determined per FCC KDB Publication 865664 D01v01r04 (See Table 5-1) and IEEE 1528-2013.
2. The point SAR measurement was taken at the maximum SAR region determined from Step 1 to enable the monitoring of SAR fluctuations/drifts during the 1g/10g cube evaluation. SAR at this fixed point was measured and used as a reference value.
3. Based on the area scan data, the peak of the region with maximum SAR was determined by spline interpolation. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB Publication 865664 D01v01r04 (See Table 5-1) and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (see references or the DASY manual online for more details):
 - a. SAR values at the inner surface of the phantom are extrapolated from the measured values along the line away from the surface with spacing no greater than that in Table 5-1. The extrapolation was based on a least-squares algorithm. A polynomial of the fourth order was calculated through the points in the z-axis (normal to the phantom shell).
 - b. After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were obtained through interpolation, in order to calculate the averaged SAR.
 - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan was complete to calculate the SAR drift. If the drift deviated by more than 5%, the SAR test and drift measurements were repeated.

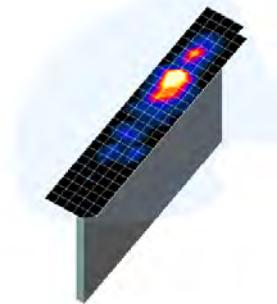


Figure 5-1
Sample SAR Area Scan

Table 5-1
Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04*

Frequency	Maximum Area Scan Resolution (mm) ($\Delta x_{\text{area}}, \Delta y_{\text{area}}$)	Maximum Zoom Scan Resolution (mm) ($\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}}$)	Maximum Zoom Scan Spatial Resolution (mm)			Minimum Zoom Scan Volume (mm) (x,y,z)
			Uniform Grid	Graded Grid		
				$\Delta z_{\text{zoom}}(n)$	$\Delta z_{\text{zoom}}(1)^*$	
≤ 2 GHz	≤ 15	≤ 8	≤ 5	≤ 4	≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$	≥ 30
2-3 GHz	≤ 12	≤ 5	≤ 5	≤ 4	≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$	≥ 30
3-4 GHz	≤ 12	≤ 5	≤ 4	≤ 3	≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$	≥ 28
4-5 GHz	≤ 10	≤ 4	≤ 3	≤ 2.5	≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$	≥ 25
5-6 GHz	≤ 10	≤ 4	≤ 2	≤ 2	≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$	≥ 22

*Also compliant to IEEE 1528-2013 Table 6

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6 DEFINITION OF REFERENCE POINTS

6.1 EAR REFERENCE POINT

Figure 6-2 shows the front, back and side views of the SAM Twin Phantom. The point “M” is the reference point for the center of the mouth, “LE” is the left ear reference point (ERP), and “RE” is the right ERP. The ERP is 15mm posterior to the entrance to the ear canal (EEC) along the B-M line (Back-Mouth), as shown in Figure 6-1. The plane passing through the two ear canals and M is defined as the Reference Plane. The line N-F (Neck-Front), also called the Reference Pivoting Line, is not perpendicular to the reference plane (see Figure 6-1). Line B-M is perpendicular to the N-F line. Both N-F and B-M lines are marked on the external phantom shell to facilitate handset positioning [5].

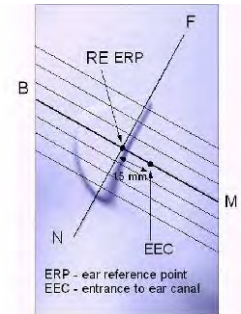


Figure 6-1
Close-Up Side view
of ERP

6.2 HANDSET REFERENCE POINTS

Two imaginary lines on the handset were established: the vertical centerline and the horizontal line. The test device was placed in a normal operating position with the acoustic output located along the “vertical centerline” on the front of the device aligned to the “ear reference point” (See Figure 6-3). The acoustic output was then located at the same level as the center of the ear reference point. The test device was positioned so that the “vertical centerline” was bisecting the front surface of the handset at its top and bottom edges, positioning the “ear reference point” on the outer surface of the both the left and right head phantoms on the ear reference point.



Figure 6-2
Front, back and side view of SAM Twin Phantom

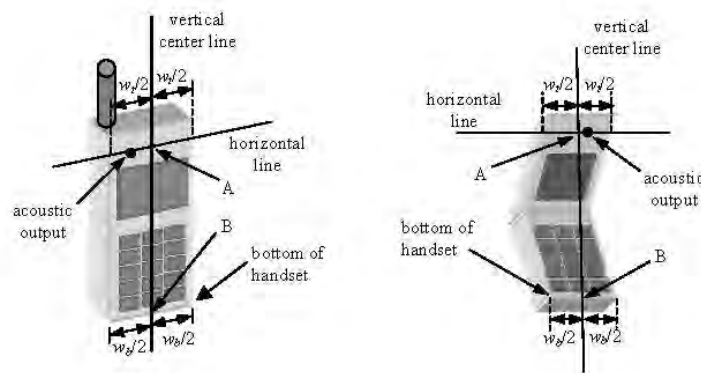


Figure 6-3
Handset Vertical Center & Horizontal Line Reference Points

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7 TEST CONFIGURATION POSITIONS

7.1 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity $\epsilon = 3$ and loss tangent $\delta = 0.02$.

7.2 Positioning for Cheek

1. The test device was positioned with the device close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 7-1), such that the plane defined by the vertical center line and the horizontal line of the phone is approximately parallel to the sagittal plane of the phantom.



Figure 7-1 Front, Side and Top View of Cheek Position

2. The handset was translated towards the phantom along the line passing through RE & LE until the handset touches the pinna.
3. While maintaining the handset in this plane, the handset was rotated around the LE-RE line until the vertical centerline was in the reference plane.
4. The phone was then rotated around the vertical centerline until the phone (horizontal line) was symmetrical with respect to the line NF.
5. While maintaining the vertical centerline in the reference plane, keeping point A on the line passing through RE and LE, and maintaining the device contact with the ear, the device was rotated about the NF line until any point on the handset made contact with a phantom point below the ear (cheek) (See Figure 7-2).

7.3 Positioning for Ear / 15° Tilt

With the test device aligned in the “Cheek Position”:

1. While maintaining the orientation of the phone, the phone was retracted parallel to the reference plane far enough to enable a rotation of the phone by 15 degrees.
2. The phone was then rotated around the horizontal line by 15 degrees.
3. While maintaining the orientation of the phone, the phone was moved parallel to the reference plane until any part of the handset touched the head. (In this position, point A was located on the line RE-LE). The tilted position is obtained when the contact is on the pinna. If the contact was at any location other than the pinna, the angle of the phone would then be reduced. In this situation, the tilted position was obtained when any part of the phone was in contact of the ear as well as a second part of the phone was in contact with the head (see Figure 7-2).

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Figure 7-2 Front, Side and Top View of Ear/15° Tilt Position

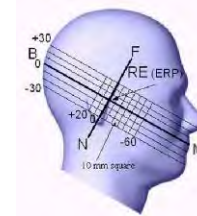


Figure 7-3 Side view w/ relevant markings

7.4 SAR Evaluations near the Mouth/Jaw Regions of the SAM Phantom

Antennas located near the bottom of a phone may require SAR measurements around the mouth and jaw regions of the SAM head phantom. This typically applies to clam-shell style phones that are generally longer in the unfolded normal use positions or to certain older style long rectangular phones. Per IEEE 1528-2013, a rotated SAM phantom is necessary to allow probe access to such regions. Both SAM heads of the TwinSAM-Chin20 are rotated 20 degrees around the NF line. Each head can be removed from the table for emptying and cleaning.

Under these circumstances, the following procedures apply, adopted from the FCC guidance on SAR handsets document FCC KDB Publication 648474 D04. The SAR required in these regions of SAM should be measured using a flat phantom. The phone should be positioned with a separation distance of 4 mm between the ear reference point (ERP) and the outer surface of the flat phantom shell. While maintaining this distance at the ERP location, the low (bottom) edge of the phone should be lowered from the phantom to establish the same separation distance between the peak SAR location identified by the truncated partial SAR distribution measured with the SAM phantom. The distance from the peak SAR location to the phone is determined by the straight line passing perpendicularly through the phantom surface. When it is not feasible to maintain 4 mm separation at the ERP while also establishing the required separation at the peak SAR location, the top edge of the phone will be allowed to touch the phantom with a separation < 4 mm at the ERP. The phone should not be tilted to the left or right while placed in this inclined position to the flat phantom.

7.5 Body-Worn Accessory Configurations

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 7-4). Per FCC KDB Publication 648474 D04, Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB Publication 447498 D04v01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

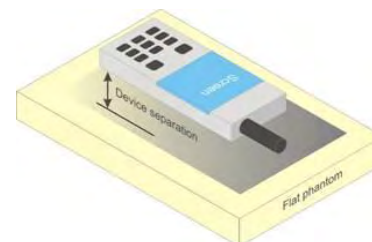


Figure 7-4 Sample Body-Worn Diagram

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that

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dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented.

Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.

7.6 Extremity Exposure Configurations

Devices that are designed or intended for use on extremities or mainly operated in extremity only exposure conditions; i.e., hands, wrists, feet and ankles, may require extremity SAR evaluation. When the device also operates in close proximity to the user's body, SAR compliance for the body is also required. The 1g body and 10g extremity SAR Exclusion Thresholds found in KDB Publication 447498 D04v01 should be applied to determine SAR test requirements.

Per KDB Publication 447498 D04v01, Cell phones (handsets) are not normally designed to be used on extremities or operated in extremity only exposure conditions. The maximum output power levels of handsets generally do not require extremity SAR testing to show compliance. Therefore, extremity SAR was not evaluated for this device.

7.7 Wireless Router Configurations

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06v02r01 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D04v01 procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

7.8 Phablet Configurations

For smart phones with a display diagonal dimension $> 150 \text{ mm}$ or an overall diagonal dimension $> 160 \text{ mm}$ that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the phablets procedures outlined in KDB Publication 648474 D04 should be applied to evaluate SAR compliance. A device marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance. In addition to the normally required

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head and body-worn accessory SAR test procedures required for handsets, the UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna ≤ 25 mm from that surface or edge, in direct contact with the phantom, for 10g SAR. The UMPC mini-tablet 1g SAR at 5 mm is not required. When hotspot mode applies, 10g SAR is required only for the surfaces and edges with hotspot mode 1g SAR > 1.2 W/kg and/or when body SAR is tested at > 5 mm.

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8 RF EXPOSURE LIMITS

8.1 Uncontrolled Environment

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

8.2 Controlled Environment

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Table 8-1
SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6

HUMAN EXPOSURE LIMITS		
	UNCONTROLLED ENVIRONMENT <i>General Population</i> (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT <i>Occupational</i> (W/kg) or (mW/g)
Peak Spatial Average SAR Head	1.6	8.0
Whole Body SAR	0.08	0.4
Peak Spatial Average SAR Hands, Feet, Ankle, Wrists, etc.	4.0	20

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

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8.3 RF Exposure Limits for Frequencies above 6 GHz

Per §1.1310 (d)(3), the MPE limits are applied for frequencies above 6 GHz. Power Density is expressed in units of W/m² or mW/cm².

Peak Spatially Averaged Power Density was evaluated over a circular area of 4 cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes.

Table 8-2
Human Exposure Limits Specified in FCC 47 CFR §1.1310

Human Exposure to Radiofrequency (RF) Radiation Limits		
Frequency Range [MHz]	Power Density [mW/cm ²]	Average Time [Minutes]
(A) Limits For Occupational / Controlled Environments		
1,500 – 100,000	5.0	6
(B) Limits For General Population / Uncontrolled Environments		
1,500 – 100,000	1.0	30

Note: 1.0 mW/cm² is 10 W/m²

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9 FCC MEASUREMENT PROCEDURES

Power measurements for licensed transmitters are performed using a base station simulator under digital average power.

9.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D04v01, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as *reported* SAR. The highest *reported* SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

9.2 3G SAR Test Reduction Procedure

In FCC KDB Publication 941225 D01v03r01, certain transmission modes within a frequency band and wireless mode evaluated for SAR are defined as primary modes. The equivalent modes considered for SAR test reduction are denoted as secondary modes. When the maximum output power including tune-up tolerance specified for production units in a secondary mode is ≤ 0.25 dB higher than the primary mode or when the highest reported SAR of the primary mode, scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode, is ≤ 1.2 W/kg, SAR measurements are not required for the secondary mode. These criteria are referred to as the 3G SAR test reduction procedure. When the 3G SAR test reduction procedure is not satisfied, SAR measurements are additionally required for the secondary mode.

9.3 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

The device is placed into a simulated call using a base station simulator in a RF shielded chamber. Establishing connections in this manner ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. Devices under test are evaluated prior to testing, with a fully charged battery and were configured to operate at maximum output power. In order to verify that the device is tested throughout the SAR test at maximum output power, the SAR measurement system measures a “point SAR” at an arbitrary reference point at the start and end of the 1 gram SAR evaluation, to assess for any power drifts during the evaluation. If the power drift deviates by more than 5%, the SAR test and drift measurements are repeated.

9.4 SAR Measurement Conditions for UMTS

9.4.1 Output Power Verification

Maximum output power is verified on the High, Middle and Low channels according to the general descriptions in section 5.2 of 3GPP TS 34.121, using the appropriate RMC with TPC (transmit power control) set to all “1s” or applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HS-DPCCH etc) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations are identified.

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9.4.2 Head SAR Measurements

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”. The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

9.4.3 Body SAR Measurements

SAR for body exposure configurations is measured using the 12.2 kbps RMC with the TPC bits all “1s”. The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCH_n configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCH_n, for the highest reported SAR configuration in 12.2 kbps RMC.

9.4.4 SAR Measurements with Rel 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

9.4.5 SAR Measurements with Rel 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA.

When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing.

9.4.6 SAR Measurement Conditions for DC-HSDPA

SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

9.5 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r04 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The R&S CMW500 or Anritsu MT8820C simulators are used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

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9.5.1 Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

9.5.2 MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

9.5.3 A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

9.5.4 Required RB Size and RB Offsets for SAR Testing

According to FCC KDB 941225 D05v02r04:

- a. Per Section 5.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
 - i. The required channel and offset combination with the highest maximum output power is required for SAR.
 - ii. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
 - iii. When the reported SAR for a required test channel is > 1.45 W/kg, SAR is required for all RB offset configurations for that channel.
- b. Per Section 5.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Section 5.2.1.
- c. Per Section 5.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is < 0.8 W/kg.
- d. Per Section 5.2.4 and 5.3, SAR tests for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sections 5.2.1 through 5.2.3 is less than or equal to $\frac{1}{2}$ dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is < 1.45 W/kg.

9.5.5 TDD

LTE TDD testing is performed using the SAR test guidance provided in FCC KDB 941225 D05v02r04. TDD is tested at the highest duty factor using UL-DL configuration 0 with special subframe configuration 6 and applying the FDD LTE procedures in KDB 941225 D05v02r04. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211 Section 4.

9.5.6 Downlink Only Carrier Aggregation

Conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink

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carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for downlink only carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

9.6 SAR Testing with 802.11 Transmitters

The normal network operating configurations of 802.11 transmitters are not suitable for SAR measurements. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure the results are consistent and reliable. See KDB Publication 248227 D01v02r02 for more details.

9.6.1 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters.

A periodic duty factor is required for current generation SAR systems to measure SAR. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

9.6.2 U-NII-1 and U-NII-2A

For devices that operate in both U-NII-1 and U-NII-2A bands, when the same maximum output power is specified for both bands, SAR measurement using OFDM SAR test procedures is not required for U-NII-1 unless the highest reported SAR for U-NII-2A is > 1.2 W/kg. When different maximum output powers are specified for the bands, SAR measurement for the U-NII band with the lower maximum output power is not required unless the highest reported SAR for the U-NII band with the higher maximum output power, adjusted by the ratio of lower to higher specified maximum output power for the two bands, is > 1.2 W/kg. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.3 U-NII-2C and U-NII-3

The frequency range covered by U-NII-2C and U-NII-3 is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, the channels at 5.60 – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification. Unless band gap channels are permanently disabled, SAR must be considered for these channels. Each band is tested independently according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

9.6.4 Initial Test Position Procedure

For exposure conditions with multiple test positions, such as handset operating next to the ear, devices with hotspot mode or UMPC mini-tablet, procedures for initial test position can be applied. Using the transmission mode determined by the DSSS procedure or initial test configuration, area scans are measured for all

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positions in an exposure condition. The test position with the highest extrapolated (peak) SAR is used as the initial test position. When reported SAR for the initial test position is ≤ 0.4 W/kg, no additional testing for the remaining test positions is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.5 2.4 GHz SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 2) When the reported SAR is > 0.8 W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

2.4 GHz 802.11 g/n/ax OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is > 1.2 W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test Configuration Procedures should be followed. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.6 OFDM Transmission Mode and SAR Test Channel Selection

When the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth, lowest order modulation and lowest data rate. When the maximum output power of a channel is the same for equivalent OFDM configurations; for example, 802.11a, 802.11n and 802.11ac or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., 802.11a, then 802.11n and 802.11ac or 802.11g then 802.11n, is used for SAR measurement. Per April 2019 TCB Workshop and FCC guidance, 802.11ax/be was considered the highest order 802.11 mode. When the maximum output power are the same for multiple test channels, either according to the default or additional power measurement requirements, SAR is measured using the channel closest to the middle of the frequency band or aggregated band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

9.6.7 Initial Test Configuration Procedure

For OFDM, an initial test configuration is determined for each frequency band and aggregated band, according to the transmission mode with the highest maximum output power specified for SAR measurements. When the same maximum output power is specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration(s) with the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order IEEE 802.11 mode. The channel of the transmission mode with the highest average RF output conducted power will be the initial test configuration.

When the reported SAR is ≤ 0.8 W/kg, no additional measurements on other test channels are required. Otherwise, SAR is evaluated using the subsequent highest average RF output channel until the reported SAR result is ≤ 1.2 W/kg or all channels are measured. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest

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802.11 mode is considered for SAR measurements (See Section 9.6.6). When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.8 Subsequent Test Configuration Procedures

For OFDM configurations in each frequency band and aggregated band, SAR is evaluated for initial test configuration using the fixed test position or the initial test position procedure. When the highest reported SAR (for the initial test configuration), adjusted by the ratio of the specified maximum output power of the subsequent test configuration to initial test configuration, is ≤ 1.2 W/kg, no additional SAR tests for the subsequent test configurations are required. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.9 MIMO SAR considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB Publication 447498 D04v01 should be applied to determine simultaneous transmission SAR test exclusion for WIFI MIMO. If the sum of 1g single transmission chain SAR measurements is < 1.6 W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

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10 RF CONDUCTED POWERS

All conducted power measurements for Sub6 WWAN technologies and bands in this section were performed with Smart Transmit Peak exposure mode enabled such that the EUT transmitted continuously at the maximum time-averaged transmit power limit (P_{limit}) or the maximum tune-up power (P_{max}), whichever is lower.

10.1 GSM Conducted Powers

Table 10-1
Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) for GSM 850 Ant A
Measured P_{limit} for DSI = 0/2(Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) for GSM 1900 Ant B

Maximum Burst-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	30.64	30.31	27.33	25.50	23.47	25.02	23.48	21.29	20.12
	190	30.38	30.37	27.76	25.61	23.63	25.16	23.71	21.69	20.22
	251	30.33	30.73	28.00	26.13	23.88	25.44	23.90	21.85	20.92
GSM 1900	512	28.47	28.49	24.53	22.67	21.11	23.20	21.68	19.75	18.54
	661	28.05	28.30	24.50	22.51	21.53	23.71	21.66	19.62	18.40
	810	28.02	28.25	24.31	22.87	22.16	23.62	21.67	19.52	18.61
Calculated Maximum Frame-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	21.44	21.11	21.14	21.07	20.29	15.82	17.29	16.86	16.94
	190	21.18	21.17	21.57	21.18	20.45	15.96	17.52	17.26	17.04
	251	21.13	21.53	21.81	21.70	20.70	16.24	17.71	17.42	17.74
GSM 1900	512	19.27	19.29	18.34	18.24	17.93	14.00	15.49	15.32	15.36
	661	18.85	19.10	18.31	18.08	18.35	14.51	15.47	15.19	15.22
	810	18.82	19.05	18.12	18.44	18.98	14.42	15.48	15.09	15.43
GSM 850	Frame	20.80	20.80	20.81	20.77	20.82	16.60	17.61	17.37	17.62
GSM 1900	Avg. Targets:	18.30	18.30	18.31	18.27	18.32	14.80	15.81	15.57	15.82

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Table 10-2
Measured P_{max} for DSI = 1 (RCV On) for GSM 850 Ant A
Measured P_{max} for DSI = 1 (RCV On) for GSM 1900 Ant B

Maximum Burst-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	31.73	31.65	30.70	28.83	26.54	25.02	23.48	21.29	20.12
	190	31.69	31.54	30.94	29.12	27.19	25.16	23.71	21.69	20.22
	251	32.15	32.65	31.10	29.28	27.32	25.44	23.90	21.85	20.92
GSM 1900	512	28.94	28.85	26.62	24.58	22.26	23.20	21.68	19.75	18.54
	661	28.59	28.42	26.58	23.82	22.42	23.71	21.66	19.62	18.40
	810	28.52	28.30	26.63	24.00	22.26	23.62	21.67	19.52	18.61
Calculated Maximum Frame-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	22.53	22.45	24.51	24.40	23.36	15.82	17.29	16.86	16.94
	190	22.49	22.34	24.75	24.69	24.01	15.96	17.52	17.26	17.04
	251	22.95	23.45	24.91	24.85	24.14	16.24	17.71	17.42	17.74
GSM 1900	512	19.74	19.65	20.43	20.15	19.08	14.00	15.49	15.32	15.36
	661	19.39	19.22	20.39	19.39	19.24	14.51	15.47	15.19	15.22
	810	19.32	19.10	20.44	19.57	19.08	14.42	15.48	15.09	15.43
GSM 850	Frame	23.30	23.30	25.31	25.07	24.32	16.60	17.61	17.37	17.62
GSM 1900	Avg.Targets:	19.80	19.80	19.81	19.77	19.82	14.80	15.81	15.57	15.82

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Table 10-3
Measured P_{limit} for DSI = 3/4 (Closed, Free, Hotspot) for GSM 850 Ant A

Maximum Burst-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	30.73	30.85	27.64	25.47	24.33	25.02	23.48	21.29	20.12
	190	30.94	30.89	28.15	26.51	24.63	25.16	23.71	21.69	20.22
	251	31.28	31.42	27.93	25.54	24.62	25.44	23.90	21.85	20.92
Calculated Maximum Frame-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	21.53	21.65	21.45	21.04	21.15	15.82	17.29	16.86	16.94
	190	21.74	21.69	21.96	22.08	21.45	15.96	17.52	17.26	17.04
	251	22.08	22.22	21.74	21.11	21.44	16.24	17.71	17.42	17.74
GSM 850	Frame Avg.Targets:	21.80	21.80	21.81	21.77	21.82	16.60	17.61	17.37	17.62

Table 10-4
Measured P_{Max} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) for GSM 850 Ant E

Maximum Burst-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	31.31	31.32	28.22	26.56	25.17	26.43	24.57	22.42	21.59
	190	31.85	31.87	28.85	27.01	25.69	26.45	25.00	23.00	21.85
	251	31.98	31.99	28.89	26.77	25.93	27.10	25.11	23.02	21.88
Calculated Maximum Frame-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	22.11	22.12	22.03	22.13	21.99	17.23	18.38	17.99	18.41
	190	22.65	22.67	22.66	22.58	22.51	17.25	18.81	18.57	18.67
	251	22.78	22.79	22.70	22.34	22.75	17.90	18.92	18.59	18.70
GSM 850	Frame Avg.Targets:	22.30	22.30	22.31	22.27	22.32	17.80	18.81	18.57	18.82

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Table 10-5
Measured P_{Limit} for DSI = 1 (RCV On) for GSM 850 Ant E

Maximum Burst-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	30.30	30.44	27.51	25.74	24.31	26.43	24.57	22.42	21.59
	190	30.82	30.82	27.91	25.80	24.42	26.45	25.00	23.00	21.85
	251	30.93	30.98	28.01	26.19	24.77	27.10	25.11	23.02	21.88
Calculated Maximum Frame-Averaged Output Power										
		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Band	Channel	GSM [dBm] CS (1 Slot)	GPRS [dBm] 1 Tx Slot	GPRS [dBm] 2 Tx Slot	GPRS [dBm] 3 Tx Slot	GPRS [dBm] 4 Tx Slot	EDGE [dBm] 1 Tx Slot	EDGE [dBm] 2 Tx Slot	EDGE [dBm] 3 Tx Slot	EDGE [dBm] 4 Tx Slot
GSM 850	128	21.10	21.24	21.32	21.31	21.13	17.23	18.38	17.99	18.41
	190	21.62	21.62	21.72	21.37	21.24	17.25	18.81	18.57	18.67
	251	21.73	21.78	21.82	21.76	21.59	17.90	18.92	18.59	18.70
GSM 850	Frame Avg. Targets:	22.00	22.00	22.01	21.97	22.02	17.80	18.81	18.57	18.82

Note:

- Both burst-averaged and calculated frame-averaged powers are included. Frame-averaged power was calculated from the measured burst-averaged power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- GPRS/EDGE (GMSK) output powers were measured with coding scheme setting of 1 (CS1) on the base station simulator. CS1 was configured to measure GPRS output power measurements and SAR to ensure GMSK modulation in the signal. Our Investigation has shown that CS1 - CS4 settings do not have any impact on the output levels or modulation in the GPRS modes.
- EDGE (8-PSK) output powers were measured with MCS7 on the base station simulator. MCS7 coding scheme was used to measure the output powers for EDGE since investigation has shown that choosing MCS7 coding scheme will ensure 8-PSK modulation. It has been shown that MCS levels that produce 8-PSK modulation do not have an impact on output power.

GSM Class: B
GPRS Multislot class: 33 (Max 4 Tx uplink slots)
EDGE Multislot class: 33 (Max 4 Tx uplink slots)
DTM Multislot Class: N/A



Figure 10-1
Power Measurement Setup

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10.2 UMTS Conducted Powers

Table 10-6

Measured P_{limit} for DSI = 0/2 (Open Free, Hotspot), DSI = 1 (RCV On) for UMTS 850 Ant A
 Measured P_{limit} for DSI = 0/2 (Open Free, Hotspot), DSI=3/4 (Closed Free, Hotspot) for UMTS 1750 Ant B
 Measured P_{limit} for DSI = 0/2 (Open Free, Hotspot) for UMTS 1900 Ant B

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	22.35	22.54	22.46	19.20	19.47	19.75	17.84	17.77	17.95	-
99		12.2 kbps AMR	22.45	22.71	22.65	19.14	19.41	19.64	17.92	17.78	18.00	-
6	HSDPA	Subtest 1	21.15	21.37	21.49	17.84	18.14	18.40	16.80	16.96	17.13	0
6		Subtest 2	21.14	21.38	21.48	17.74	18.07	18.32	16.83	16.99	17.06	0
6		Subtest 3	20.66	20.88	20.99	17.27	17.55	17.79	16.28	16.43	16.60	0.5
6		Subtest 4	20.63	20.89	20.97	17.23	17.49	17.80	16.36	16.45	16.57	0.5
6	HSUPA	Subtest 1	21.15	21.37	21.51	17.77	18.08	18.32	16.88	17.04	17.15	0
6		Subtest 2	19.15	19.39	19.51	15.77	16.07	16.34	14.91	15.03	15.12	2
6		Subtest 3	20.17	20.33	20.51	16.84	17.15	17.44	15.89	16.00	16.11	1
6		Subtest 4	19.14	19.41	19.47	15.79	16.15	16.42	14.93	15.05	15.14	2
6		Subtest 5	21.15	21.38	21.47	17.78	18.14	18.40	16.90	17.06	17.17	0
8	DC-HSDPA	Subtest 1	21.14	21.35	21.47	17.92	18.19	18.43	16.85	17.03	17.11	0
8		Subtest 2	21.15	21.38	21.46	17.82	18.16	18.40	16.91	17.04	17.09	0
8		Subtest 3	20.65	20.89	20.96	17.31	17.67	17.92	16.34	16.50	16.60	0.5
8		Subtest 4	20.64	20.88	21.01	17.29	17.63	17.87	16.39	16.47	16.61	0.5

Table 10-7

Measured P_{limit} for DSI = 3/4 (Closed Free, Hotspot) for UMTS 850 Ant A
 Measured P_{limit} for DSI = 3/4 (Closed Free, Hotspot) for UMTS 1900 Ant B

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	22.85	23.00	23.18	18.45	18.22	18.47	-
99		12.2 kbps AMR	22.85	23.03	23.19	18.34	18.28	18.48	-
6	HSDPA	Subtest 1	21.12	21.35	21.50	17.76	17.73	17.87	0
6		Subtest 2	21.17	21.46	21.54	17.71	17.57	17.84	0
6		Subtest 3	20.71	21.00	20.98	17.30	17.25	17.46	0.5
6		Subtest 4	20.70	21.01	21.14	17.19	17.21	17.45	0.5
6	HSUPA	Subtest 1	21.02	21.24	21.35	17.74	17.64	17.87	0
6		Subtest 2	19.64	19.84	19.99	15.71	15.62	15.88	2
6		Subtest 3	20.53	20.77	20.69	16.70	16.62	16.89	1
6		Subtest 4	19.65	19.88	20.04	15.67	15.61	15.79	2
6		Subtest 5	21.13	21.31	21.36	17.78	17.74	17.91	0
8	DC-HSDPA	Subtest 1	21.48	21.70	22.02	17.79	17.74	17.92	0
8		Subtest 2	21.61	21.83	22.05	17.67	17.61	17.90	0
8		Subtest 3	21.10	21.35	21.50	17.25	17.21	17.48	0.5
8		Subtest 4	21.12	21.44	21.52	17.22	17.19	17.47	0.5

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Table 10-8
Measured P_{limit} for DSI = 1 (RCV On) for UMTS 1750 Ant B
Measured P_{limit} for DSI = 1 (RCV On) for UMTS 1900 Ant B

3GPP Release Version	Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	21.83	22.19	22.37	21.72	21.65	21.87	-
99		12.2 kbps AMR	21.80	22.18	22.34	21.74	21.66	21.85	-
6	HSDPA	Subtest 1	20.81	21.13	21.32	20.69	20.67	20.85	0
6		Subtest 2	20.73	21.06	21.20	20.64	20.54	20.72	0
6		Subtest 3	20.21	20.55	20.69	20.23	20.18	20.36	0.5
6		Subtest 4	20.26	20.54	20.71	20.20	20.22	20.45	0.5
6	HSUPA	Subtest 1	20.79	21.06	21.26	20.62	20.57	20.74	0
6		Subtest 2	18.73	19.11	19.27	18.64	18.58	18.78	2
6		Subtest 3	19.77	20.08	20.28	19.61	19.53	19.75	1
6		Subtest 4	18.74	19.08	19.27	18.62	18.55	18.68	2
6		Subtest 5	20.75	21.13	21.40	20.69	20.67	20.85	0
8	DC-HSDPA	Subtest 1	21.06	21.07	21.28	20.62	20.61	20.89	0
8		Subtest 2	20.98	21.05	21.22	20.58	20.53	20.74	0
8		Subtest 3	20.48	20.49	20.65	20.10	20.04	20.26	0.5
8		Subtest 4	20.46	20.47	20.67	20.19	20.13	20.35	0.5

Table 10-9
Measured P_{limit} for DSI = 0/2 (Open Free, Hotspot) for UMTS 850 Ant E

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	
99	WCDMA	12.2 kbps RMC	22.35	22.71	22.73	-
99		12.2 kbps AMR	22.42	22.75	22.71	-
6	HSDPA	Subtest 1	22.02	22.32	22.31	0
6		Subtest 2	22.01	22.30	22.34	0
6		Subtest 3	21.51	21.85	21.82	0.5
6		Subtest 4	21.50	21.82	21.83	0.5
6	HSUPA	Subtest 1	21.99	22.32	22.27	0
6		Subtest 2	20.00	20.31	20.30	2
6		Subtest 3	21.01	21.33	21.30	1
6		Subtest 4	19.99	20.30	20.31	2
6		Subtest 5	22.00	22.31	22.33	0
8	DC-HSDPA	Subtest 1	22.00	22.29	22.28	0
8		Subtest 2	22.01	22.30	22.32	0
8		Subtest 3	21.50	21.81	21.79	0.5
8		Subtest 4	21.49	21.82	21.78	0.5

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Table 10-10
Measured P_{limit} for DSI = 1 (RCV On) for UMTS 850 Ant E

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	
99	WCDMA	12.2 kbps RMC	21.40	21.71	21.68	-
99		12.2 kbps AMR	21.42	21.73	21.72	-
6	HSDPA	Subtest 1	21.08	21.37	21.42	0
6		Subtest 2	21.11	21.43	21.43	0
6		Subtest 3	20.80	21.16	21.15	0.5
6		Subtest 4	20.78	21.14	21.11	0.5
6	HSUPA	Subtest 1	21.07	21.40	21.42	0
6		Subtest 2	19.31	19.64	19.61	2
6		Subtest 3	20.30	20.61	20.59	1
6		Subtest 4	19.30	19.62	19.59	2
6		Subtest 5	21.06	21.40	21.40	0
8	DC-HSDPA	Subtest 1	21.08	21.36	21.30	0
8		Subtest 2	21.09	21.39	21.30	0
8		Subtest 3	20.76	21.08	21.07	0.5
8		Subtest 4	20.81	21.07	21.09	0.5

Table 10-11
Measured P_{limit} for DSI = 3/4 (Closed Free, Hotspot) for UMTS 850 Ant E

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	
99	WCDMA	12.2 kbps RMC	23.02	23.32	23.36	-
99		12.2 kbps AMR	23.01	23.37	23.40	-
6	HSDPA	Subtest 1	22.37	22.74	22.81	0
6		Subtest 2	22.39	22.76	22.80	0
6		Subtest 3	21.91	22.27	22.29	0.5
6		Subtest 4	21.87	22.21	22.29	0.5
6	HSUPA	Subtest 1	22.43	22.75	22.79	0
6		Subtest 2	20.41	20.76	20.79	2
6		Subtest 3	21.41	21.79	21.81	1
6		Subtest 4	20.40	20.75	20.83	2
6		Subtest 5	22.43	22.77	22.80	0
8	DC-HSDPA	Subtest 1	22.34	22.73	22.78	0
8		Subtest 2	22.41	22.76	22.78	0
8		Subtest 3	21.89	22.25	22.29	0.5
8		Subtest 4	21.90	22.24	22.29	0.5

DC-HSDPA considerations

- 3GPP Specification 34.121-1 Release 8 Ver 8.10.0 was used for DC-HSDPA guidance
- H-Set 12 (QPSK) was confirmed to be used during DC-HSDPA measurements
- The DUT supports UE category 24 for HSDPA

It is expected by the manufacturer that MPR for some HSPA subtests may be up to 2 dB more than specified by 3GPP, but also as low as 0 dB according to the chipset implementation in this model.



Figure 10-2
Power Measurement Setup

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10.3 LTE Conducted Powers

Note: Per FCC KDB Publication 941225 D05v02r05, LTE SAR for the lower bandwidths was not required for testing since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg. Lower bandwidth conducted powers for all LTE bands can be found in LTE and NR Lower Bandwidth RF Conducted Powers Appendix.

Note: Some bands do not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

LTE Carrier Aggregation Notes:

1. This device supports uplink carrier aggregation for LTE CA_48C, with a maximum of two component carriers. For intraband contiguous carrier aggregation scenarios, 3GPP 36.101 Table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when non-contiguous RB allocation is implemented. The conducted powers and MPR settings in this device are permanently implemented per the above 3GPP requirements.
2. Per FCC Guidance, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.

10.3.1 LTE Band 71

Table 10-12
LTE Band 71 Ant A Measured P_{Max} for all DSI - 20 MHz Bandwidth

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133297.0 (680.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	24.09	0	0
	1	50	23.81		0
	1	99	23.74		0
	50	0	22.91	0-1	1
	50	25	22.86		1
	50	50	22.77		1
16QAM	50	0	22.86	0-1	1
	100	0	22.86		1
	1	0	23.42	0-1	1
	1	50	23.24		1
	1	99	23.06		1
	50	0	21.96	0-2	2
64QAM	50	25	21.89		2
	50	50	21.76		2
	100	0	21.83	0-2	2
	1	0	22.42		2
	1	50	22.24		2
	1	99	22.08	0-3	2
256QAM	50	0	20.94		3
	50	25	20.89		3
	50	50	20.76		3
	100	0	20.84	0-5	3
	1	0	19.09		5
	1	50	19.02		5
256QAM	1	99	18.79	0-5	5
	50	0	18.93		5
	50	25	18.87		5
	50	50	18.79	0-5	5
	100	0	18.87		5
	1	0	19.09		5

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Table 10-13
LTE Band 71 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot)
- 20 MHz Bandwidth

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133297.0 (680.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	22.63	0	0
	1	50	22.17		0
	1	99	22.51		0
	50	0	22.31	0-1	0
	50	25	22.29		0
	50	50	22.25		0
	100	0	22.30		0
16QAM	1	0	22.65	0-1	0
	1	50	22.51		0
	1	99	22.46		0
	50	0	22.38	0-2	0
	50	25	22.31		0
	50	50	22.30		0
	100	0	22.34		0
64QAM	1	0	22.74	0-2	0
	1	50	22.49		0
	1	99	22.54		0
	50	0	21.54	0-3	1
	50	25	21.56		1
	50	50	21.50		1
	100	0	21.56		1
256QAM	1	0	19.82	0-5	3
	1	50	19.69		3
	1	99	19.58		3
	50	0	19.55		3
	50	25	19.55		3
	50	50	19.48		3
	100	0	19.55		3

Table 10-14
LTE Band 71 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			133297.0 (680.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	22.18	0	0
	1	50	22.07		0
	1	99	21.91		0
	50	0	21.82	0-1	0
	50	25	21.79		0
	50	50	21.75		0
	100	0	21.81		0
16QAM	1	0	22.19	0-1	0
	1	50	22.00		0
	1	99	22.01		0
	50	0	21.82	0-2	0
	50	25	21.82		0
	50	50	21.80		0
	100	0	21.84		0
64QAM	1	0	22.26	0-2	0
	1	50	22.05		0
	1	99	21.97		0
	50	0	21.53	0-3	0.5
	50	25	21.53		0.5
	50	50	21.48		0.5
	100	0	21.54		0.5
256QAM	1	0	19.91	0-5	2.5
	1	50	19.64		2.5
	1	99	19.70		2.5
	50	0	19.52		2.5
	50	25	19.54		2.5
	50	50	19.50		2.5
	100	0	19.54		2.5

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10.3.2 LTE Band 12

Table 10-15
LTE Band 12 Ant A Measured P_{Max} for DSI = 1(RCV On) - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23095.0 (707.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	24.49	0	0
	1	25	24.57		0
	1	49	24.52		0
	25	0	23.52	0-1	1
	25	12	23.62		1
	25	25	23.59		1
16QAM	50	0	23.50	0-1	1
	1	0	23.51		1
	1	25	23.55		1
	1	49	23.44	0-2	1
	25	0	22.23		2
	25	12	22.38		2
64QAM	25	25	22.39	0-2	2
	50	0	22.33		2
	1	0	22.54	0-2	2
	1	25	22.43		2
	1	49	22.50		2
	25	0	21.24	0-3	3
256QAM	25	12	21.36		3
	25	25	21.31		3
	50	0	21.35	0-5	3
	1	0	19.34		5
	1	25	19.42		5
	1	49	19.37		5
256QAM	25	0	19.25	0-5	5
	25	12	19.32		5
	25	25	19.31		5
	50	0	19.35		5

Table 10-16
LTE Band 12 Ant A Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23095.0 (707.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	22.97	0	0
	1	25	22.96		0
	1	49	23.06		0
	25	0	22.82	0-1	0
	25	12	22.94		0
	25	25	22.91		0
16QAM	50	0	22.81	0-1	0
	1	0	22.85		0
	1	25	22.80		0
	1	49	22.86	0-2	0
	25	0	22.31		0.5
	25	12	22.46		0.5
64QAM	25	25	22.40	0-2	0.5
	50	0	22.39		0.5
	1	0	22.37	0-2	0.5
	1	25	22.57		0.5
	1	49	22.66		0.5
	25	0	21.32	0-3	1.5
256QAM	25	12	21.44		1.5
	25	25	21.43		1.5
	50	0	21.42	0-5	1.5
	1	0	19.56		3.5
	1	25	19.76		3.5
	1	49	19.72		3.5
256QAM	25	0	19.49	0-5	3.5
	25	12	19.66		3.5
	25	25	19.63		3.5
	50	0	19.54		3.5

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Table 10-17
LTE Band 12 Ant A Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23095.0 (707.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.48	0	0
	1	25	23.58		0
	1	49	23.53		0
	25	0	23.05	0-1	0.5
	25	12	23.13		0.5
	25	25	23.08		0.5
16QAM	50	0	23.03		0.5
	1	0	23.19	0-1	0.5
	1	25	23.23		0.5
	1	49	23.33		0.5
	25	0	22.06	0-2	1.5
	25	12	22.16		1.5
64QAM	25	25	22.14		1.5
	50	0	22.04		1.5
	1	0	22.14	0-2	1.5
	1	25	22.21		1.5
	1	49	22.25		1.5
	25	0	21.04	0-3	2.5
256QAM	25	12	21.14		2.5
	25	25	21.12		2.5
	50	0	21.03		2.5
	1	0	19.04	0-5	4.5
	1	25	19.26		4.5
	1	49	19.10		4.5
	25	0	19.03		4.5
	25	12	19.11		4.5
	25	25	19.06		4.5
	50	0	19.09		4.5

Table 10-18
LTE Band 12 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23095.0 (707.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	22.24	0	0
	1	25	22.53		0
	1	49	22.41		0
	25	0	22.16	0-1	0
	25	12	22.29		0
	25	25	22.30		0
16QAM	50	0	22.20		0
	1	0	22.27	0-1	0
	1	25	22.45		0
	1	49	22.49		0
	25	0	22.21	0-2	0
	25	12	22.34		0
64QAM	25	25	22.35		0
	50	0	22.23		0
	1	0	22.28	0-2	0
	1	25	22.31		0
	1	49	22.46		0
	25	0	21.42	0-3	1
256QAM	25	12	21.42		1
	25	25	21.57		1
	50	0	21.44		1
	1	0	19.30	0-5	3
	1	25	19.75		3
	1	49	19.64		3
	25	0	19.40		3
	25	12	19.55		3
	25	25	19.53		3
	50	0	19.43		3

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Table 10-19
LTE Band 12 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23095.0 (707.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	21.18	0	0
	1	25	21.20		0
	1	49	21.11		0
	25	0	21.17	0-1	0
	25	12	21.25		0
	25	25	21.27		0
	50	0	21.17		0
16QAM	1	0	21.33	0-1	0
	1	25	21.35		0
	1	49	21.40		0
	25	0	21.19	0-2	0
	25	12	21.28		0
	25	25	21.30		0
	50	0	21.21		0
64QAM	1	0	21.53	0-2	0
	1	25	21.66		0
	1	49	21.59		0
	25	0	21.32	0-3	0
	25	12	21.32		0
	25	25	21.47		0
	50	0	21.34		0
256QAM	1	0	19.36	0-5	2
	1	25	19.58		2
	1	49	19.56		2
	25	0	19.42		2
	25	12	19.52		2
	25	25	19.53		2
	50	0	19.48		2

Table 10-20
LTE Band 12 Ant E Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23095.0 (707.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	22.94	0	0
	1	25	23.14		0
	1	49	22.95		0
	25	0	23.04	0-1	0
	25	12	23.15		0
	25	25	23.10		0
	50	0	23.07		0
16QAM	1	0	23.03	0-1	0
	1	25	23.07		0
	1	49	23.03		0
	25	0	22.50	0-2	0.5
	25	12	22.61		0.5
	25	25	22.59		0.5
	50	0	22.49		0.5
64QAM	1	0	22.61	0-2	0.5
	1	25	22.71		0.5
	1	49	22.72		0.5
	25	0	21.49	0-3	1.5
	25	12	21.59		1.5
	25	25	21.58		1.5
	50	0	21.49		1.5
256QAM	1	0	19.49	0-5	3.5
	1	25	19.78		3.5
	1	49	19.67		3.5
	25	0	19.49		3.5
	25	12	19.47		3.5
	25	25	19.48		3.5
	50	0	19.47		3.5

10.3.3 LTE Band 13

Table 10-21
LTE Band 13 Ant A Measured P_{Max} for DSI = 1(RCV On) - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230.0 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	24.42	0	0
	1	25	24.44		0
	1	49	24.23		0
	25	0	23.30	0-1	1
	25	12	23.23		1
	25	25	23.19		1
	50	0	23.26		1
16QAM	1	0	23.55	0-1	1
	1	25	23.55		1
	1	49	23.41		1
	25	0	22.34	0-2	2
	25	12	22.25		2
	25	25	22.19		2
	50	0	22.27		2
64QAM	1	0	22.38	0-2	2
	1	25	22.63		2
	1	49	22.28		2
	25	0	21.34	0-3	3
	25	12	21.29		3
	25	25	21.18		3
	50	0	21.29		3
256QAM	1	0	19.42	0-5	5
	1	25	19.50		5
	1	49	19.18		5
	25	0	19.28		5
	25	12	19.23		5
	25	25	19.17		5
	50	0	19.25		5

Table 10-22
LTE Band 13 Ant A Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230.0 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.05	0	0
	1	25	23.10		0
	1	49	23.01		0
	25	0	22.97	0-1	0
	25	12	22.92		0
	25	25	22.83		0
	50	0	22.92		0
16QAM	1	0	22.74	0-1	0
	1	25	22.71		0
	1	49	22.69		0
	25	0	22.38	0-2	0.5
	25	12	22.35		0.5
	25	25	22.26		0.5
	50	0	22.33		0.5
64QAM	1	0	22.28	0-2	0.5
	1	25	22.59		0.5
	1	49	22.32		0.5
	25	0	21.37	0-3	1.5
	25	12	21.30		1.5
	25	25	21.20		1.5
	50	0	21.33		1.5
256QAM	1	0	19.44	0-5	3.5
	1	25	19.38		3.5
	1	49	19.18		3.5
	25	0	19.25		3.5
	25	12	19.32		3.5
	25	25	19.23		3.5
	50	0	19.33		3.5

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Table 10-23
LTE Band 13 Ant A Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230.0 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.85	0	0
	1	25	23.68		0
	1	49	23.43		0
	25	0	23.39	0-1	0.5
	25	12	23.25		0.5
	25	25	23.11		0.5
16QAM	50	0	23.25	0-1	0.5
	1	0	23.49		0.5
	1	25	23.30		0.5
	1	49	23.37	0-2	0.5
	25	0	22.45		1.5
	25	12	22.28		1.5
64QAM	25	25	22.14	0-2	1.5
	50	0	22.31		1.5
	1	0	22.46	0-2	1.5
	1	25	22.55		1.5
	1	49	22.22		1.5
	25	0	21.42	0-3	2.5
256QAM	25	12	21.28		2.5
	25	25	21.15		2.5
	50	0	21.31	0-5	2.5
	1	0	19.52		4.5
	1	25	19.39		4.5
	1	49	19.11		4.5
	25	0	19.39		4.5
	25	12	19.29		4.5
	25	25	19.17		4.5
	50	0	19.32		4.5

Table 10-24
LTE Band 13 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230.0 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	21.11	0	0
	1	25	21.05		0
	1	49	21.08		0
	25	0	21.17	0-1	0
	25	12	21.03		0
	25	25	21.01		0
16QAM	50	0	21.00	0-1	0
	1	0	21.43		0
	1	25	21.36		0
	1	49	21.06	0-2	0
	25	0	21.19		0
	25	12	21.07		0
64QAM	25	25	20.95	0-2	0
	50	0	21.03		0
	1	0	21.43	0-2	0
	1	25	21.31		0
	1	49	21.10		0
	25	0	21.16	0-3	0
256QAM	25	12	21.02		0
	25	25	20.93		0
	50	0	21.05	0-5	0
	1	0	19.67		2
	1	25	19.44		2
	1	49	19.17		2
	25	0	19.34		2
	25	12	19.24		2
	25	25	19.14		2
	50	0	19.24		2

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Table 10-25
LTE Band 13 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23230.0 (782.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	20.39	0	0
	1	25	20.18		0
	1	49	20.02		0
	25	0	20.21	0-1	0
	25	12	20.13		0
	25	25	20.11		0
	50	0	20.12		0
16QAM	1	0	20.43	0-1	0
	1	25	20.47		0
	1	49	20.03		0
	25	0	20.21	0-2	0
	25	12	20.05		0
	25	25	19.98		0
	50	0	20.10		0
64QAM	1	0	20.25	0-2	0
	1	25	20.23		0
	1	49	19.93		0
	25	0	20.21	0-3	0
	25	12	20.06		0
	25	25	19.97		0
	50	0	20.02		0
256QAM	1	0	19.67	0-5	1
	1	25	19.56		1
	1	49	19.21		1
	25	0	19.36		1
	25	12	19.26		1
	25	25	19.18		1
	50	0	19.25		1

10.3.4 LTE Band 14

Table 10-26
LTE Band 14 Ant A Measured P_{Max} for DSI = 1(RCV On) - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330.0 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	24.48	0	0
	1	25	24.45		0
	1	49	24.28		0
	25	0	23.46	0-1	1
	25	12	23.55		1
	25	25	23.40		1
	50	0	23.42		1
16QAM	1	0	23.34	0-1	1
	1	25	23.40		1
	1	49	23.37		1
	25	0	22.19	0-2	2
	25	12	22.24		2
	25	25	22.19		2
	50	0	22.20		2
64QAM	1	0	22.44	0-2	2
	1	25	22.58		2
	1	49	22.39		2
	25	0	21.18	0-3	3
	25	12	21.20		3
	25	25	21.18		3
	50	0	21.21		3
256QAM	1	0	19.20	0-5	5
	1	25	19.29		5
	1	49	19.25		5
	25	0	19.10		5
	25	12	19.22		5
	25	25	19.18		5
	50	0	19.21		5

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Table 10-27
LTE Band 14 Ant A Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330.0 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.08	0	0
	1	25	23.11		0
	1	49	22.97		0
	25	0	22.78	0-1	0
	25	12	22.79		0
	25	25	22.74		0
	50	0	22.75		0
16QAM	1	0	22.50	0-1	0
	1	25	22.69		0
	1	49	22.59		0
	25	0	22.16	0-2	0.5
	25	12	22.26		0.5
	25	25	22.19		0.5
	50	0	22.20		0.5
64QAM	1	0	22.63	0-2	0.5
	1	25	22.52		0.5
	1	49	22.40		0.5
	25	0	21.19	0-3	1.5
	25	12	21.26		1.5
	25	25	21.24		1.5
	50	0	21.25		1.5
256QAM	1	0	19.20	0-5	3.5
	1	25	19.37		3.5
	1	49	19.14		3.5
	25	0	19.12		3.5
	25	12	19.21		3.5
	25	25	19.16		3.5
	50	0	19.17		3.5

Table 10-28
LTE Band 14 Ant A Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			23330.0 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.50	0	0
	1	25	23.44		0
	1	49	23.41		0
	25	0	23.09	0-1	0.5
	25	12	23.16		0.5
	25	25	23.13		0.5
	50	0	23.14		0.5
16QAM	1	0	23.46	0-1	0.5
	1	25	23.45		0.5
	1	49	23.26		0.5
	25	0	22.14	0-2	1.5
	25	12	22.21		1.5
	25	25	22.16		1.5
	50	0	22.17		1.5
64QAM	1	0	22.32	0-2	1.5
	1	25	22.28		1.5
	1	49	22.29		1.5
	25	0	21.13	0-3	2.5
	25	12	21.20		2.5
	25	25	21.17		2.5
	50	0	21.18		2.5
256QAM	1	0	19.21	0-5	4.5
	1	25	19.27		4.5
	1	49	19.18		4.5
	25	0	19.08		4.5
	25	12	19.22		4.5
	25	25	19.15		4.5
	50	0	19.19		4.5

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Table 10-29
LTE Band 14 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			2330.0 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	20.97	0	0
	1	25	21.03		0
	1	49	20.87		0
	25	0	20.76	0-1	0
	25	12	20.85		0
	25	25	20.82		0
16QAM	50	0	20.84	0-1	0
	1	0	20.94		0
	1	25	20.76		0
	1	49	20.91	0-2	0
	25	0	20.63		0
	25	12	20.71		0
64QAM	25	25	20.71	0-2	0
	50	0	20.62		0
	1	0	20.99	0-2	0
	1	25	20.96		0
	1	49	20.99		0
	25	0	20.64	0-3	0
256QAM	25	12	20.70		0
	25	25	20.69		0
	50	0	20.64	0-5	0
	1	0	19.27		2
	1	25	19.26		2
	1	49	19.13		2
	25	0	19.00		2
	25	12	19.07		2
	25	25	19.02		2
	50	0	19.01		2

Table 10-30
LTE Band 14 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			2330.0 (793.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	20.01	0	0
	1	25	19.93		0
	1	49	19.86		0
	25	0	19.93	0-1	0
	25	12	20.03		0
	25	25	19.99		0
16QAM	50	0	19.98	0-1	0
	1	0	20.25		0
	1	25	20.25		0
	1	49	20.19	0-2	0
	25	0	19.88		0
	25	12	19.89		0
64QAM	25	25	19.93	0-2	0
	50	0	19.85		0
	1	0	20.17	0-2	0
	1	25	20.08		0
	1	49	20.04		0
	25	0	19.86	0-3	0
256QAM	25	12	19.85		0
	25	25	19.92		0
	50	0	19.84	0-5	0
	1	0	19.23		1
	1	25	19.30		1
	1	49	19.25		1
	25	0	19.05		1
	25	12	19.09		1
	25	25	19.10		1
	50	0	19.03		1

10.3.5 LTE Band 26

Table 10-31
LTE Band 26 Ant A Measured P_{Max} for DSI = 1(RCV On) - 15 MHz Bandwidth

LTE Band 26 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26865.0 (831.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.72	0	0
	1	36	23.85		0
	1	74	24.00		0
	36	0	22.87	0-1	1
	36	18	22.91		1
	36	37	22.93		1
	75	0	22.84		1
	75	0	22.63		1
16QAM	1	0	22.58	0-1	1
	1	36	22.64		1
	1	74	22.64		1
	36	0	21.90	0-2	2
	36	18	21.94		2
	36	37	21.90		2
	75	0	21.94		2
	75	0	21.94		2
64QAM	1	0	21.94	0-2	2
	1	36	21.88		2
	1	74	21.94		2
	36	0	20.91	0-3	3
	36	18	20.94		3
	36	37	20.89		3
	75	0	20.94		3
	75	0	20.94		3
256QAM	1	0	19.03	0-5	5
	1	36	19.04		5
	1	74	19.29		5
	36	0	18.89		5
	36	18	18.94		5
	36	37	18.92		5
	75	0	18.90		5
	75	0	18.90		5

Table 10-32
LTE Band 26 Ant A Measured P_{Max} for DSI = 3/4 (Closed, Free, Hotspot) - 15 MHz Bandwidth

LTE Band 26 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26865.0 (831.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	22.59	0	0
	1	36	22.49		0
	1	74	22.90		0
	36	0	22.27	0-1	0
	36	18	22.24		0
	36	37	22.28		0
	75	0	22.25		0
	75	0	22.25		0
16QAM	1	0	22.64	0-1	0
	1	36	22.58		0
	1	74	22.34		0
	36	0	22.00	0-2	0.5
	36	18	22.05		0.5
	36	37	22.07		0.5
	75	0	21.97		0.5
	75	0	21.97		0.5
64QAM	1	0	22.47	0-2	0.5
	1	36	22.43		0.5
	1	74	22.10		0.5
	36	0	21.09	0-3	1.5
	36	18	21.13		1.5
	36	37	21.08		1.5
	75	0	21.09		1.5
	75	0	21.09		1.5
256QAM	1	0	19.15	0-5	3.5
	1	36	19.19		3.5
	1	74	19.28		3.5
	36	0	19.00		3.5
	36	18	19.05		3.5
	36	37	19.06		3.5
	75	0	18.95		3.5
	75	0	18.95		3.5

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Table 10-33
LTE Band 26 Ant A Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 15 MHz Bandwidth

LTE Band 26 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26865.0 (831.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	21.66	0	0
	1	36	21.62		0
	1	74	21.81		0
	36	0	21.47	0-1	0
	36	18	21.55		0
	36	37	21.58		0
	75	0	21.52		0
16QAM	1	0	21.90	0-1	0
	1	36	21.87		0
	1	74	21.84		0
	36	0	21.53	0-2	0
	36	18	21.56		0
	36	37	21.58		0
	75	0	21.49		0
64QAM	1	0	21.71	0-2	0
	1	36	21.89		0
	1	74	21.88		0
	36	0	21.27	0-3	0.5
	36	18	21.34		0.5
	36	37	21.31		0.5
	75	0	21.29		0.5
256QAM	1	0	19.30	0-5	2.5
	1	36	19.38		2.5
	1	74	19.48		2.5
	36	0	19.26		2.5
	36	18	19.24		2.5
	36	37	19.29		2.5
	75	0	19.25		2.5

Table 10-34
LTE Band 26 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 15 MHz Bandwidth

LTE Band 26 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26865.0 (831.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	22.55	0	0
	1	36	22.87		0
	1	74	22.86		0
	36	0	22.72	0-1	0
	36	18	22.84		0
	36	37	22.83		0
	75	0	22.74		0
16QAM	1	0	22.83	0-1	0
	1	36	23.08		0
	1	74	23.23		0
	36	0	22.76	0-2	0
	36	18	22.83		0
	36	37	22.88		0
	75	0	22.76		0
64QAM	1	0	22.78	0-2	0
	1	36	23.09		0
	1	74	22.99		0
	36	0	22.00	0-3	1
	36	18	22.07		1
	36	37	22.10		1
	75	0	22.02		1
256QAM	1	0	20.02	0-5	3
	1	36	20.18		3
	1	74	20.36		3
	36	0	19.96		3
	36	18	20.03		3
	36	37	20.06		3
	75	0	19.99		3

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Table 10-35
LTE Band 26 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 15 MHz Bandwidth

LTE Band 26 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26865.0 (831.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	21.80	0	0
	1	36	21.89		0
	1	74	21.88		0
	36	0	21.74	0-1	0
	36	18	21.81		0
	36	37	21.80		0
	75	0	21.73		0
16QAM	1	0	21.87	0-1	0
	1	36	22.04		0
	1	74	22.15		0
	36	0	21.79	0-2	0
	36	18	21.84		0
	36	37	21.84		0
	75	0	21.77		0
64QAM	1	0	21.73	0-2	0
	1	36	21.86		0
	1	74	21.88		0
	36	0	21.76	0-3	0
	36	18	21.67		0
	36	37	21.88		0
	75	0	21.78		0
256QAM	1	0	19.94	0-5	2
	1	36	20.23		2
	1	74	20.27		2
	36	0	19.98		2
	36	18	20.04		2
	36	37	20.05		2
	75	0	19.99		2

Table 10-36
LTE Band 26 Ant E Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 15 MHz Bandwidth

LTE Band 26 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26865.0 (831.5 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.24	0	0
	1	36	23.41		0
	1	74	23.50		0
	36	0	23.29	0-1	0
	36	18	23.30		0
	36	37	23.33		0
	75	0	23.26		0
16QAM	1	0	23.29	0-1	0
	1	36	23.22		0
	1	74	23.18		0
	36	0	23.04	0-2	0.5
	36	18	23.09		0.5
	36	37	23.10		0.5
	75	0	23.04		0.5
64QAM	1	0	23.22	0-2	0.5
	1	36	23.31		0.5
	1	74	23.31		0.5
	36	0	22.06	0-3	1.5
	36	18	22.08		1.5
	36	37	22.07		1.5
	75	0	22.04		1.5
256QAM	1	0	20.10	0-5	3.5
	1	36	20.26		3.5
	1	74	20.23		3.5
	36	0	20.00		3.5
	36	18	20.04		3.5
	36	37	20.06		3.5
	75	0	20.03		3.5

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10.3.6 LTE Band 66

Table 10-37

LTE Band 66 (AWS) Ant B Measured P_{Max} for DSI = 1(RCV On) - 20 MHz Bandwidth

LTE Band 66 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072.0 (1720.0 MHz)	132322.0 (1745.0 MHz)	132572.0 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.08	24.35	24.66	0	0
	1	50	24.00	24.46	24.65		0
	1	99	24.01	24.35	24.63		0
	50	0	23.18	23.42	23.44	0-1	1
	50	25	23.29	23.44	23.45		1
	50	50	23.27	23.47	23.51		1
16QAM	100	0	23.24	23.38	23.43	0-1	1
	1	0	23.42	23.35	23.76		1
	1	50	23.43	23.42	23.73		1
	1	99	23.48	23.51	23.62	0-2	1
	50	0	22.21	22.45	22.46		2
	50	25	22.32	22.44	22.48		2
64QAM	50	50	22.30	22.49	22.50	0-2	2
	100	0	22.27	22.43	22.42		2
	1	0	22.46	22.60	22.77		0-3
	1	50	22.67	22.70	22.70	2	
	1	99	22.62	22.62	22.65	2	
	50	0	21.20	21.43	21.43	0-3	3
50	25	21.31	21.48	21.46	3		
50	50	21.28	21.47	21.52	3		
256QAM	100	0	21.28	21.41	21.41	0-5	3
	1	0	19.25	19.51	19.49		5
	1	50	19.36	19.76	19.64		5
	1	99	19.40	19.59	19.56	0-5	5
	50	0	19.19	19.39	19.41		5
	50	25	19.28	19.40	19.40		5
	50	50	19.28	19.43	19.48		5
	100	0	19.24	19.38	19.40		5

Table 10-38

LTE Band 66 (AWS) Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 66 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072.0 (1720.0 MHz)	132322.0 (1745.0 MHz)	132572.0 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.55	18.69	19.33	0	0
	1	50	18.54	19.16	19.41		0
	1	99	18.57	18.87	19.42		0
	50	0	18.54	18.78	19.08	0-1	0
	50	25	18.63	18.87	19.22		0
	50	50	18.63	18.91	19.21		0
	100	0	18.59	18.84	19.16		0
16QAM	1	0	18.62	18.78	19.27	0-1	0
	1	50	18.76	18.91	19.36		0
	1	99	18.83	18.92	19.46		0
	50	0	18.53	18.83	19.08	0-2	0
	50	25	18.63	18.91	19.17		0
	50	50	18.64	18.92	19.21		0
	100	0	18.62	18.91	19.16		0
64QAM	1	0	18.77	18.96	19.19	0-2	0
	1	50	18.83	19.09	19.26		0
	1	99	18.72	19.10	19.32		0
	50	0	18.53	18.82	19.08	0-3	0
	50	25	18.64	18.93	19.21		0
	50	50	18.66	18.88	19.17		0
	100	0	18.62	18.90	19.19		0
256QAM	1	0	18.67	18.87	19.09	0-5	0
	1	50	18.72	19.07	19.46		0
	1	99	18.80	19.15	19.33		0
	50	0	18.56	18.83	19.05		0
	50	25	18.64	18.92	19.21		0
	50	50	18.64	18.93	19.18		0
	100	0	18.61	18.90	19.17		0

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Table 10-39
LTE Band 66 (AWS) Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 66 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072.0 (1720.0 MHz)	132322.0 (1745.0 MHz)	132572.0 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	19.72	19.69	19.56	0	0
	1	50	19.90	19.93	19.94		0
	1	99	19.66	19.49	19.65		0
	50	0	19.59	19.60	19.61	0-1	0
	50	25	19.60	19.58	19.61		0
	50	50	19.62	19.62	19.63		0
	100	0	19.50	19.53	19.56		0
16QAM	1	0	19.66	19.63	19.55	0-1	0
	1	50	19.72	19.63	19.68		0
	1	99	19.65	19.57	19.57		0
	50	0	19.60	19.58	19.58	0-2	0
	50	25	19.56	19.57	19.58		0
	50	50	19.58	19.57	19.58		0
	100	0	19.53	19.53	19.55		0
64QAM	1	0	19.64	19.70	19.61	0-2	0
	1	50	19.51	19.67	19.79		0
	1	99	19.52	19.59	19.60		0
	50	0	19.57	19.56	19.59	0-3	0
	50	25	19.59	19.58	19.60		0
	50	50	19.59	19.45	19.42		0
	100	0	19.53	19.52	19.55		0
256QAM	1	0	19.46	19.44	19.38	0-5	0
	1	50	19.60	19.61	19.61		0
	1	99	19.38	19.37	19.35		0
	50	0	19.31	19.31	19.38		0
	50	25	19.33	19.31	19.34		0
	50	50	19.34	19.34	19.31		0
	100	0	19.30	19.28	19.26		0

Table 10-40
LTE Band 66 (AWS) Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 66 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072.0 (1720.0 MHz)	132322.0 (1745.0 MHz)	132572.0 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.33	20.40	20.81	0	0
	1	50	20.50	20.45	21.13		0
	1	99	20.41	20.62	21.32		0
	50	0	20.32	20.30	20.84	0-1	0
	50	25	20.34	20.59	21.03		0
	50	50	20.31	20.38	21.06		0
	100	0	20.32	20.41	20.95		0
16QAM	1	0	20.39	20.44	21.20	0-1	0
	1	50	20.61	20.54	21.27		0
	1	99	20.40	20.82	21.43		0
	50	0	20.30	20.33	20.86	0-2	0
	50	25	20.38	20.39	21.06		0
	50	50	20.33	20.46	20.92		0
	100	0	20.32	20.39	21.03		0
64QAM	1	0	20.45	20.44	20.96	0-2	0
	1	50	20.40	20.64	21.15		0
	1	99	20.39	20.59	21.38		0
	50	0	20.28	20.23	20.91	0-3	0
	50	25	20.40	20.39	21.03		0
	50	50	20.30	20.46	21.11		0
	100	0	20.33	20.40	21.06		0
256QAM	1	0	19.00	19.04	19.59	0-5	1.5
	1	50	19.13	19.15	19.82		1.5
	1	99	19.09	19.32	19.94		1.5
	50	0	18.97	19.03	19.57		1.5
	50	25	19.05	19.05	19.75		1.5
	50	50	19.05	19.19	19.83		1.5
	100	0	19.04	19.13	19.74		1.5

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Table 10-41
LTE Band 66 (AWS) Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 66 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072.0 (1720.0 MHz)	132322.0 (1745.0 MHz)	132572.0 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.41	18.33	18.88	0	0
	1	50	18.43	18.46	19.16		0
	1	99	18.27	18.64	19.26		0
	50	0	18.25	18.33	18.83	0-1	0
	50	25	18.34	18.34	19.00		0
	50	50	18.29	18.46	19.10		0
	100	0	18.29	18.36	18.97		0
16QAM	1	0	18.55	18.47	19.04	0-1	0
	1	50	18.63	18.70	19.18		0
	1	99	18.40	18.69	19.28		0
	50	0	18.27	18.30	18.87	0-2	0
	50	25	18.34	18.41	19.07		0
	50	50	18.34	18.48	19.09		0
	100	0	18.32	18.35	18.97		0
64QAM	1	0	18.55	18.34	18.92	0-2	0
	1	50	18.38	18.52	19.31		0
	1	99	18.46	18.71	19.34		0
	50	0	18.32	18.27	18.91	0-3	0
	50	25	18.35	18.38	19.01		0
	50	50	18.33	18.51	19.11		0
	100	0	18.35	18.41	19.06		0
256QAM	1	0	18.31	18.37	18.83	0-5	0
	1	50	18.41	18.43	19.12		0
	1	99	18.41	18.62	19.22		0
	50	0	18.25	18.26	18.81		0
	50	25	18.37	18.35	18.99		0
	50	50	18.33	18.45	19.11		0
	100	0	18.33	18.34	18.99		0

Table 10-42
LTE Band 66 (AWS) Ant H Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 66 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072.0 (1720.0 MHz)	132322.0 (1745.0 MHz)	132572.0 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	21.66	21.53	21.62	0	0
	1	50	21.61	21.42	21.87		0
	1	99	21.54	21.34	21.79		0
	50	0	21.39	21.55	21.63	0-1	0
	50	25	21.49	21.60	21.69		0
	50	50	21.45	21.62	21.63		0
	100	0	21.45	21.56	21.65		0
16QAM	1	0	21.42	21.73	21.74	0-1	0
	1	50	21.67	21.83	21.71		0
	1	99	21.77	21.72	21.70		0
	50	0	21.48	21.61	21.63	0-2	0
	50	25	21.47	21.63	21.68		0
	50	50	21.47	21.65	21.63		0
	100	0	21.49	21.55	21.64		0
64QAM	1	0	21.54	21.86	21.89	0-2	0
	1	50	21.67	21.77	21.86		0
	1	99	21.65	21.80	21.88		0
	50	0	21.43	21.62	21.65	0-3	0
	50	25	21.49	21.57	21.68		0
	50	50	21.49	21.68	21.62		0
	100	0	21.49	21.61	21.71		0
256QAM	1	0	19.71	19.87	19.95	0-5	2
	1	50	19.81	20.00	20.07		2
	1	99	19.86	19.86	19.93		2
	50	0	19.60	19.79	19.86		2
	50	25	19.73	19.84	19.90		2
	50	50	19.67	19.85	19.85		2
	100	0	19.70	19.79	19.90		2

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10.3.7 LTE Band 25

Table 10-43

LTE Band 25 (PCS) Ant B Measured P_{Max} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140.0 (1860.0 MHz)	26365.0 (1882.5 MHz)	26590.0 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.12	24.41	24.00	0	0
	1	50	24.38	24.33	24.01		0
	1	99	24.51	24.44	24.09		0
	50	0	23.12	23.11	23.16	0-1	1
	50	25	23.20	23.16	23.20		1
	50	50	23.28	23.22	23.22		1
16QAM	100	0	23.17	23.10	23.16	1	
	1	0	23.23	23.24	23.20	0-1	1
	1	50	23.31	23.41	23.40		1
	1	99	23.31	23.49	23.37		1
	50	0	22.10	22.14	22.18	0-2	2
	50	25	22.21	22.15	22.20		2
50	50	22.26	22.21	22.27	2		
64QAM	100	0	22.19	22.10	22.18	2	
	1	0	22.34	22.23	22.52	0-2	2
	1	50	22.38	22.38	22.52		2
	1	99	22.42	22.41	22.56		2
	50	0	21.14	21.16	21.18	0-3	3
	50	25	21.23	21.15	21.20		3
50	50	21.23	21.21	21.27	3		
100	0	21.23	21.11	21.21	3		
256QAM	1	0	19.17	19.22	19.32	0-5	5
	1	50	19.33	19.29	19.49		5
	1	99	19.32	19.23	19.38		5
	50	0	19.08	19.15	19.17		5
	50	25	19.21	19.11	19.19		5
	50	50	19.23	19.15	19.23		5
	100	0	19.20	19.07	19.15	5	

Table 10-44

LTE Band 25 (PCS) Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140.0 (1860.0 MHz)	26365.0 (1882.5 MHz)	26590.0 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	17.78	17.10	17.52	0	0
	1	50	17.82	17.28	17.81		0
	1	99	17.51	17.21	17.52		0
	50	0	17.41	17.17	17.27	0-1	0
	50	25	17.44	17.18	17.51		0
	50	50	17.39	17.10	17.39		0
	100	0	17.28	17.00	17.41		0
16QAM	1	0	17.54	17.60	17.92	0-1	0
	1	50	17.84	17.26	17.87		0
	1	99	17.43	17.61	17.84		0
	50	0	17.43	17.22	17.34	0-2	0
	50	25	17.32	17.07	17.50		0
	50	50	17.27	17.18	17.45		0
	100	0	17.37	17.10	17.41		0
64QAM	1	0	17.69	17.40	17.46	0-2	0
	1	50	17.54	17.64	17.88		0
	1	99	17.53	17.29	17.72		0
	50	0	17.42	17.15	17.26	0-3	0
	50	25	17.29	17.16	17.47		0
	50	50	17.36	17.18	17.47		0
	100	0	17.33	17.07	17.36		0
256QAM	1	0	17.69	17.21	17.30	0-5	0
	1	50	17.55	17.38	17.51		0
	1	99	17.17	17.08	17.39		0
	50	0	17.49	17.12	17.28		0
	50	25	17.39	17.10	17.38		0
	50	50	17.29	17.13	17.47		0
	100	0	17.43	17.15	17.54		0

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Table 10-45
LTE Band 25 (PCS) Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140.0 (1860.0 MHz)	26365.0 (1882.5 MHz)	26590.0 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	19.26	18.72	19.16	0	0
	1	50	19.39	18.83	19.06		0
	1	99	19.17	18.99	19.31		0
	50	0	19.22	18.86	18.87	0-1	0
	50	25	19.13	18.92	19.08		0
	50	50	19.03	18.86	19.08		0
	100	0	19.06	18.87	19.02		0
16QAM	1	0	19.52	19.05	19.06	0-1	0
	1	50	19.21	19.05	19.08		0
	1	99	19.23	19.03	19.25		0
	50	0	19.23	18.98	18.89	0-2	0
	50	25	19.06	18.95	19.03		0
	50	50	19.10	18.87	18.94		0
	100	0	19.04	18.87	19.00		0
64QAM	1	0	19.67	18.94	19.11	0-2	0
	1	50	19.40	19.03	19.16		0
	1	99	19.38	18.83	19.12		0
	50	0	19.10	18.85	18.98	0-3	0
	50	25	19.11	18.79	19.07		0
	50	50	18.99	18.86	18.98		0
	100	0	19.19	18.76	19.11		0
256QAM	1	0	19.08	18.62	18.70	0-5	0
	1	50	19.01	18.67	18.80		0
	1	99	18.94	18.60	18.85		0
	50	0	18.92	18.52	18.72		0
	50	25	18.84	18.63	18.86		0
	50	50	18.74	18.59	18.80		0
	100	0	18.83	18.58	18.75		0

Table 10-46
**LTE Band 25 (PCS) Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth**

LTE Band 25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140.0 (1860.0 MHz)	26365.0 (1882.5 MHz)	26590.0 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.41	20.14	20.12	0	0
	1	50	20.48	20.33	20.16		0
	1	99	20.16	20.31	20.12		0
	50	0	20.53	20.12	20.17	0-1	0
	50	25	20.46	20.15	20.29		0
	50	50	20.31	20.07	20.24		0
16QAM	100	0	20.39	20.05	20.25		0
	1	0	20.66	20.24	20.35	0-1	0
	1	50	20.69	20.21	20.62		0
	1	99	20.43	20.20	20.61		0
	50	0	20.54	20.10	20.19	0-2	0
	50	25	20.44	20.11	20.27		0
50	50	20.31	20.03	20.30	0		
64QAM	100	0	20.36	20.31	20.34		0
	1	0	20.81	20.23	20.55	0-2	0
	1	50	20.77	20.42	20.48		0
	1	99	20.42	20.26	20.46		0
	50	0	20.50	20.14	20.21	0-3	0
	50	25	20.44	20.16	20.34		0
50	50	20.34	20.04	20.25	0		
256QAM	100	0	20.36	20.06	20.27		0
	1	0	19.91	19.55	19.47	0-5	1
	1	50	19.58	19.48	19.70		1
	1	99	19.77	19.39	19.58		1
	50	0	19.66	19.37	19.44		1
	50	25	19.54	19.28	19.60		1
50	50	19.59	19.30	19.51	1		
100	0	19.55	19.28	19.48	1		

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Table 10-47
LTE Band 25 (PCS) Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			26140.0 (1860.0 MHz)	26365.0 (1882.5 MHz)	26590.0 (1905.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.69	18.16	18.19	0	0
	1	50	18.54	18.03	18.42		0
	1	99	18.45	18.15	18.33		0
	50	0	18.50	18.10	18.04	0-1	0
	50	25	18.39	18.04	18.14		0
	50	50	18.30	18.01	18.22		0
	100	0	18.31	18.02	18.09		0
16QAM	1	0	18.60	18.57	18.44	0-1	0
	1	50	18.65	18.15	18.69		0
	1	99	18.25	18.20	18.51		0
	50	0	18.48	18.03	18.11	0-2	0
	50	25	18.36	18.04	18.12		0
	50	50	18.28	18.05	18.15		0
	100	0	18.34	17.94	18.13		0
64QAM	1	0	18.65	18.17	18.22	0-2	0
	1	50	18.80	18.13	18.42		0
	1	99	18.43	18.17	18.37		0
	50	0	18.48	18.02	18.13	0-3	0
	50	25	18.41	18.07	18.10		0
	50	50	18.34	18.01	18.19		0
	100	0	18.39	18.07	18.14		0
256QAM	1	0	18.64	18.15	18.14	0-5	0
	1	50	18.51	18.07	18.32		0
	1	99	18.30	18.11	18.33		0
	50	0	18.52	17.98	18.05		0
	50	25	18.38	18.00	18.17		0
	50	50	18.27	17.95	18.15		0
	100	0	18.27	17.96	18.12		0

10.3.8 LTE Band 30

Table 10-48
LTE Band 30 Ant B Measured P_{Max} for DSI = 1 (RCV On) - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710.0 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	23.87	0	0
	1	25	23.59		0
	1	49	23.89		0
	25	0	22.73	0-1	1
	25	12	22.75		1
	25	25	22.53		1
16QAM	50	0	22.63		1
	1	0	22.61	0-1	1
	1	25	22.59		1
	1	49	22.63		1
	25	0	21.77	0-2	2
	25	12	21.80		2
64QAM	25	25	21.45		2
	50	0	21.76		2
	1	0	21.76	0-2	2
	1	25	21.95		2
	1	49	21.98		2
	25	0	20.79	0-3	3
256QAM	25	12	20.82		3
	25	25	20.71		3
	50	0	20.77		3
	1	0	18.96	0-5	5
	1	25	18.89		5
	1	49	18.69		5
	25	0	18.74		5
	25	12	18.76		5
	25	25	18.68		5
	50	0	18.77		5

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Table 10-49
LTE Band 30 Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710.0 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	18.58	0	0
	1	25	18.72		0
	1	49	18.39		0
	25	0	18.67	0-1	0
	25	12	18.70		0
	25	25	18.53		0
16QAM	50	0	18.60	0-1	0
	1	0	18.91		0
	1	25	18.81		0
	1	49	18.66	0-2	0
	25	0	18.78		0
	25	12	18.72		0
64QAM	25	25	18.54	0-2	0
	50	0	18.68		0
	1	0	18.84	0-2	0
	1	25	18.72		0
	1	49	18.51		0
	25	0	18.68	0-3	0
256QAM	25	12	18.71		0
	25	25	18.53		0
	50	0	18.67	0-5	0
	1	0	18.84		0
	1	25	18.61		0
	1	49	18.40		0
256QAM	25	0	18.73		0
	25	12	18.67		0
	25	25	18.52		0
	50	0	18.76		0

Table 10-50
LTE Band 30 Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710.0 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	19.84	0	0
	1	25	19.77		0
	1	49	19.40		0
	25	0	19.52	0-1	0
	25	12	19.60		0
	25	25	19.76		0
16QAM	50	0	19.72	0-1	0
	1	0	20.05		0
	1	25	19.48		0
	1	49	19.81	0-2	0
	25	0	19.80		0
	25	12	19.77		0
64QAM	25	25	19.65	0-2	0
	50	0	19.74		0
	1	0	20.08	0-2	0
	1	25	19.89		0
	1	49	19.80		0
	25	0	19.79	0-3	0
256QAM	25	12	19.77		0
	25	25	19.69		0
	50	0	19.75	0-5	0
	1	0	18.90		1
	1	25	19.00		1
	1	49	18.80		1
256QAM	25	0	19.02		1
	25	12	18.88		1
	25	25	18.87		1
	50	0	18.95		1

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Table 10-51
LTE Band 30 Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710.0 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	17.93	0	0
	1	25	17.91		0
	1	49	17.83		0
	25	0	17.91	0-1	0
	25	12	17.72		0
	25	25	17.82		0
16QAM	50	0	17.86	0-1	0
	1	0	18.06		0
	1	25	18.12		0
	1	49	18.06	0-2	0
	25	0	17.91		0
	25	12	17.92		0
64QAM	25	25	17.89	0-2	0
	50	0	17.91		0
	1	0	18.21	0-2	0
	1	25	17.97		0
	1	49	17.91		0
	25	0	17.92	0-3	0
256QAM	25	12	17.91		0
	25	25	17.88		0
	50	0	17.90	0-5	0
	1	0	17.93		0
	1	25	18.14		0
	1	49	17.79		0
	25	0	17.89		0
	25	12	17.92		0
	25	25	17.89		0
	50	0	17.83		0

Table 10-52
LTE Band 30 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710.0 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	16.87	0	0
	1	25	16.95		0
	1	49	16.85		0
	25	0	16.90	0-1	0
	25	12	16.91		0
	25	25	16.84		0
16QAM	50	0	16.85	0-1	0
	1	0	16.94		0
	1	25	17.11		0
	1	49	16.90	0-2	0
	25	0	16.91		0
	25	12	16.90		0
64QAM	25	25	16.90	0-2	0
	50	0	16.87		0
	1	0	17.02	0-2	0
	1	25	17.16		0
	1	49	16.93		0
	25	0	16.92	0-3	0
256QAM	25	12	16.94		0
	25	25	16.88		0
	50	0	16.89	0-5	0
	1	0	16.98		0
	1	25	17.09		0
	1	49	16.78		0
	25	0	16.88		0
	25	12	16.91		0
	25	25	16.88		0
	50	0	16.95		0

Table 10-53
LTE Band 30 Ant H Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			27710.0 (2310.0 MHz)		
			Conducted Power [dBm]		
QPSK	1	0	19.32	0	0
	1	25	19.17		0
	1	49	19.02		0
	25	0	19.23	0-1	0
	25	12	19.25		0
	25	25	19.18		0
	50	0	19.18		0
16QAM	1	0	19.63	0-1	0
	1	25	19.61		0
	1	49	19.42		0
	25	0	19.25	0-2	0
	25	12	19.26		0
	25	25	19.19		0
	50	0	19.23		0
64QAM	1	0	19.43	0-2	0
	1	25	19.48		0
	1	49	19.23		0
	25	0	19.24	0-3	0
	25	12	19.27		0
	25	25	19.21		0
	50	0	19.24		0
256QAM	1	0	19.27	0-5	0
	1	25	19.54		0
	1	49	19.26		0
	25	0	18.84		0
	25	12	19.23		0
	25	25	19.21		0
	50	0	19.03		0

10.3.9 LTE Band 7

Table 10-54
LTE Band 7 Ant B Measured P_{Max} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850.0 (2510.0 MHz)	21100.0 (2535.0 MHz)	21350.0 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	24.20	24.22	24.10	0	0
	1	50	24.48	24.19	24.06		0
	1	99	24.28	24.21	24.05		0
	50	0	23.26	23.01	23.11	0-1	1
	50	25	23.08	23.06	23.16		1
	50	50	23.04	23.04	23.24		1
	100	0	23.13	23.01	23.11		1
16QAM	1	0	23.27	23.27	23.31	0-1	1
	1	50	23.10	23.06	23.19		1
	1	99	23.09	23.15	23.52		1
	50	0	22.29	22.06	22.15	0-2	2
	50	25	22.02	22.06	22.15		2
	50	50	22.15	22.04	22.24		2
	100	0	22.16	22.03	22.16		2
64QAM	1	0	22.42	22.18	22.46	0-2	2
	1	50	22.49	22.18	22.55		2
	1	99	22.37	22.18	22.42		2
	50	0	21.27	21.05	21.14	0-3	3
	50	25	21.22	21.06	21.16		3
	50	50	21.15	21.05	21.24		3
	100	0	21.19	21.08	21.18		3
256QAM	1	0	19.38	19.17	19.10	0-5	5
	1	50	19.43	19.20	19.29		5
	1	99	19.26	19.13	19.34		5
	50	0	19.25	19.00	19.11		5
	50	25	19.22	19.05	19.17		5
	50	50	19.18	19.07	19.23		5
	100	0	19.18	19.04	19.13		5

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Table 10-55
LTE Band 7 Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850.0 (2510.0 MHz)	21100.0 (2535.0 MHz)	21350.0 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.65	18.16	18.74	0	0
	1	50	18.69	18.19	18.84		0
	1	99	18.81	18.23	18.86		0
	50	0	18.74	18.43	18.43	0-1	0
	50	25	18.65	18.45	18.53		0
	50	50	18.59	18.41	18.50		0
	100	0	18.62	18.43	18.53	0	
16QAM	1	0	18.74	18.53	18.56	0-1	0
	1	50	18.63	18.42	18.71		0
	1	99	18.52	18.51	18.59		0
	50	0	18.71	18.42	18.39	0-2	0
	50	25	18.64	18.41	18.55		0
	50	50	18.61	18.44	18.55		0
	100	0	18.61	18.44	18.53	0	
64QAM	1	0	18.83	18.48	18.59	0-2	0
	1	50	18.90	18.46	18.76		0
	1	99	18.73	18.60	18.87		0
	50	0	18.72	18.40	18.45	0-3	0
	50	25	18.68	18.45	18.57		0
	50	50	18.63	18.45	18.56		0
	100	0	18.66	18.46	18.56	0	
256QAM	1	0	18.82	18.53	18.53	0-5	0
	1	50	18.88	18.54	18.68		0
	1	99	18.76	18.54	18.74		0
	50	0	18.71	18.40	18.46		0
	50	25	18.68	18.45	18.57		0
	50	50	18.65	18.45	18.58		0
	100	0	18.66	18.45	18.53	0	

Table 10-56
LTE Band 7 Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850.0 (2510.0 MHz)	21100.0 (2535.0 MHz)	21350.0 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	20.26	19.80	20.00	0	0
	1	50	20.58	19.44	19.81		0
	1	99	20.42	19.83	20.01		0
	50	0	20.44	19.77	19.90	0-1	0
	50	25	20.31	19.76	20.00		0
	50	50	20.15	19.76	20.12		0
	100	0	20.26	19.75	19.98		0
16QAM	1	0	20.74	19.97	19.96	0-1	0
	1	50	20.44	19.68	20.03		0
	1	99	20.24	19.84	20.24		0
	50	0	20.47	19.73	19.94	0-2	0
	50	25	20.33	19.71	20.02		0
	50	50	20.19	19.70	20.12		0
	100	0	20.27	19.67	19.99		0
64QAM	1	0	20.68	19.96	20.09	0-2	0
	1	50	20.61	19.81	20.28		0
	1	99	20.33	19.98	20.47		0
	50	0	20.48	19.71	19.99	0-3	0
	50	25	20.32	19.65	20.03		0
	50	50	20.19	19.68	20.15		0
	100	0	20.25	19.73	20.02		0
256QAM	1	0	19.77	19.36	19.18	0-5	0.5
	1	50	19.69	19.25	19.48		0.5
	1	99	19.41	19.33	19.61		0.5
	50	0	19.58	18.96	19.18		0.5
	50	25	19.27	18.52	19.26		0.5
	50	50	19.39	18.59	19.37		0.5
	100	0	19.46	19.09	19.25		0.5

Table 10-57
LTE Band 7 Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850.0 (2510.0 MHz)	21100.0 (2535.0 MHz)	21350.0 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	18.58	18.17	17.94	0	0
	1	50	18.44	18.01	18.12		0
	1	99	18.17	17.93	18.27		0
	50	0	18.40	18.10	17.86	0-1	0
	50	25	18.33	18.03	18.01		0
	50	50	18.18	18.05	18.11		0
	100	0	18.31	17.89	17.98		0
16QAM	1	0	18.76	18.12	17.95	0-1	0
	1	50	18.54	17.96	18.25		0
	1	99	18.31	18.02	18.38		0
	50	0	18.46	17.94	17.90	0-2	0
	50	25	18.38	17.89	18.01		0
	50	50	18.22	17.84	18.15		0
	100	0	18.35	17.87	18.03		0
64QAM	1	0	18.67	18.10	18.02	0-2	0
	1	50	18.48	17.90	18.16		0
	1	99	18.24	17.92	18.36		0
	50	0	18.49	17.93	17.94	0-3	0
	50	25	18.40	17.92	18.07		0
	50	50	18.22	17.85	18.12		0
	100	0	18.40	17.88	18.00		0
256QAM	1	0	18.64	18.13	17.88	0-5	0
	1	50	18.45	17.89	18.06		0
	1	99	18.10	17.98	18.19		0
	50	0	18.50	17.94	17.85		0
	50	25	18.43	17.85	18.02		0
	50	50	18.25	17.82	18.14		0
	100	0	18.21	17.92	18.03		0

Table 10-58
LTE Band 7 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850.0 (2510.0 MHz)	21100.0 (2535.0 MHz)	21350.0 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	17.42	17.06	16.95	0	0
	1	50	17.41	16.80	17.01		0
	1	99	17.18	16.81	17.21		0
	50	0	17.45	16.95	16.81	0-1	0
	50	25	17.33	16.85	17.03		0
	50	50	17.12	16.73	17.13		0
	100	0	17.28	16.68	16.99		0
16QAM	1	0	17.45	17.01	17.19	0-1	0
	1	50	17.50	17.00	17.05		0
	1	99	17.31	16.73	17.32		0
	50	0	17.44	16.79	16.88	0-2	0
	50	25	17.40	16.67	17.08		0
	50	50	17.22	16.66	17.05		0
	100	0	17.34	16.72	17.06		0
64QAM	1	0	17.48	17.04	16.98	0-2	0
	1	50	17.47	16.61	17.08		0
	1	99	17.25	16.91	17.21		0
	50	0	17.50	16.81	16.87	0-3	0
	50	25	17.40	16.72	17.00		0
	50	50	17.18	16.69	17.11		0
	100	0	17.41	16.74	17.06		0
256QAM	1	0	17.43	16.91	16.95	0-5	0
	1	50	17.46	16.87	17.02		0
	1	99	17.19	16.81	17.25		0
	50	0	17.42	16.76	16.88		0
	50	25	17.43	16.71	17.02		0
	50	50	17.29	16.55	17.10		0
	100	0	17.38	16.76	16.99		0

Table 10-59
LTE Band 7 Ant H Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			20850.0 (2510.0 MHz)	21100.0 (2535.0 MHz)	21350.0 (2560.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	19.93	19.18	19.54	0	0
	1	50	19.60	18.95	19.62		0
	1	99	19.43	19.39	19.85		0
	50	0	19.86	19.24	19.43	0-1	0
	50	25	19.76	19.15	19.55		0
	50	50	19.57	19.19	19.73		0
	100	0	19.75	19.18	19.52		0
16QAM	1	0	20.00	19.33	19.54	0-1	0
	1	50	19.83	19.09	19.77		0
	1	99	19.61	19.29	19.88		0
	50	0	19.86	19.24	19.45	0-2	0
	50	25	19.75	19.19	19.58		0
	50	50	19.56	19.24	19.75		0
	100	0	19.72	19.23	19.55		0
64QAM	1	0	20.11	19.43	19.63	0-2	0
	1	50	19.93	19.27	19.97		0
	1	99	19.67	19.44	20.14		0
	50	0	19.89	19.24	19.45	0-3	0
	50	25	19.78	19.21	19.57		0
	50	50	19.56	19.22	19.78		0
	100	0	19.75	19.21	19.56		0
256QAM	1	0	20.19	19.51	19.52	0-5	0
	1	50	19.96	19.30	19.87		0
	1	99	19.60	19.48	20.07		0
	50	0	19.88	19.27	19.45	0	
	50	25	19.79	19.23	19.61	0	
	50	50	19.60	19.26	19.77	0	
	100	0	19.73	19.25	19.59	0	

10.3.10 LTE Band 41

Table 10-60
LTE Band 41 Ant B Measured P_{Max} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750.0 (2506.0 MHz)	40185.0 (2549.5 MHz)	40620.0 (2593.0 MHz)	41055.0 (2636.5 MHz)	41490.0 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	24.31	24.32	24.29	24.29	24.35	0	0
	1	50	24.39	24.42	24.38	24.53	24.39		0
	1	99	24.49	24.54	24.62	24.54	24.56		0
	50	0	23.20	23.18	23.17	23.19	23.20	0-1	1
	50	25	23.19	23.21	23.23	23.21	23.22		1
	50	50	23.27	23.27	23.29	23.28	23.27		1
16QAM	100	0	23.19	23.18	23.19	23.17	23.20	0-1	1
	1	0	23.41	23.40	23.49	23.35	23.46		1
	1	50	23.41	23.43	23.58	23.45	23.41		1
	1	99	23.34	23.38	23.35	23.31	23.37	0-2	1
	50	0	22.23	22.20	22.19	22.20	22.22		2
	50	25	22.25	22.22	22.23	22.23	22.27		2
64QAM	50	50	22.31	22.27	22.30	22.30	22.32	0-2	2
	100	0	22.21	22.18	22.22	22.21	22.22		2
	1	0	22.29	22.32	22.41	22.38	22.39		0-2
	1	50	22.41	22.48	22.41	22.48	22.53	2	
	1	99	22.41	22.46	22.52	22.35	22.48	0-3	
	50	0	21.21	21.19	21.20	21.20	21.20		3
256QAM	50	25	21.23	21.20	21.23	21.23	21.24		0-5
	50	50	21.29	21.28	21.28	21.30	21.30	3	
	100	0	21.24	21.18	21.20	21.20	21.22	3	
	1	0	19.27	19.29	19.19	19.26	19.24	0-5	5
	1	50	19.38	19.39	19.38	19.27	19.48		5
	1	99	19.44	19.40	19.40	19.33	19.41		5
	50	0	19.17	19.13	19.15	19.21	19.17		5
	50	25	19.21	19.19	19.23	19.24	19.23		5
	50	50	19.29	19.27	19.29	19.28	19.29		5
	100	0	19.20	19.20	19.20	19.21	19.20		5

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Table 10-61
LTE Band 41 Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750.0 (2506.0 MHz)	40185.0 (2549.5 MHz)	40620.0 (2593.0 MHz)	41055.0 (2636.5 MHz)	41490.0 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	21.89	21.22	21.56	21.93	21.41	0	0
	1	50	21.85	21.23	21.33	21.83	21.41		0
	1	99	21.79	21.26	21.52	21.68	21.39		0
	50	0	21.63	21.31	21.44	21.71	21.61	0-1	0
	50	25	21.54	21.27	21.43	21.60	21.70		0
	50	50	21.49	21.34	21.40	21.57	21.54		0
	100	0	21.48	21.22	21.41	21.67	21.61		0
16QAM	1	0	21.87	21.52	21.58	21.87	21.74	0-1	0
	1	50	21.68	21.47	21.57	21.69	21.79		0
	1	99	21.75	21.30	21.48	21.53	21.51		0
	50	0	21.62	21.33	21.40	21.58	21.66	0-2	0
	50	25	21.59	21.32	21.41	21.64	21.75		0
	50	50	21.51	21.31	21.64	21.56	21.64		0
	100	0	21.53	21.23	21.59	21.60	21.71		0
64QAM	1	0	21.86	21.45	21.46	21.83	21.73	0-2	0
	1	50	21.72	21.50	21.66	21.83	21.75		0
	1	99	21.70	21.49	21.66	21.47	21.68		0
	50	0	21.68	21.29	21.45	21.54	21.64	0-3	0
	50	25	21.62	21.29	21.55	21.62	21.68		0
	50	50	21.45	21.34	21.49	21.55	21.58		0
	100	0	21.50	21.24	21.49	21.59	21.63		0
256QAM	1	0	19.69	19.08	19.49	19.66	19.63	0-5	2
	1	50	19.70	19.27	19.72	19.60	19.74		2
	1	99	19.36	19.32	19.43	19.57	19.47		2
	50	0	19.59	19.27	19.48	19.54	19.61	0-5	2
	50	25	19.57	19.28	19.55	19.64	19.65		2
	50	50	19.44	19.32	19.60	19.53	19.61		2
	100	0	19.52	19.28	19.51	19.58	19.65		2

Table 10-62
LTE Band 41 Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

LTE Band 41									
20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750.0 (2506.0 MHz)	40185.0 (2549.5 MHz)	40620.0 (2593.0 MHz)	41055.0 (2636.5 MHz)	41490.0 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	23.06	22.71	22.79	23.04	22.62	0	0
	1	50	23.04	23.01	22.63	23.07	22.71		0
	1	99	23.05	22.97	22.80	22.98	22.58		0
	50	0	22.94	22.67	22.70	23.00	22.83	0-1	0
	50	25	22.93	22.75	22.72	22.84	22.81		0
	50	50	22.93	22.70	22.76	22.78	22.73		0
	100	0	22.94	22.66	22.75	22.95	22.79		0
16QAM	1	0	23.11	22.80	22.83	23.05	22.85	0-1	0
	1	50	23.17	22.92	22.95	22.96	22.80		0
	1	99	23.23	22.62	22.74	22.98	22.87		0
	50	0	23.03	22.76	22.70	22.80	22.77	0-2	0
	50	25	22.95	22.70	22.72	22.84	22.83		0
	50	50	22.89	22.71	22.68	22.81	22.72		0
	100	0	22.90	22.65	22.73	22.86	22.80		0
64QAM	1	0	23.26	22.98	22.87	23.12	22.88	0-2	0
	1	50	23.06	22.91	22.89	22.99	22.73		0
	1	99	23.06	22.89	22.79	22.87	22.86		0
	50	0	22.06	21.70	21.70	21.83	21.77	0-3	1
	50	25	21.91	21.69	21.73	21.85	21.84		1
	50	50	21.89	21.74	21.65	21.78	21.71		1
	100	0	21.97	21.67	21.70	21.86	21.78		1
256QAM	1	0	19.90	19.79	19.69	19.88	19.76	0-5	3
	1	50	20.17	19.70	19.66	19.87	19.81		3
	1	99	19.76	19.52	19.68	19.75	19.57		3
	50	0	19.99	19.61	19.69	19.82	19.76	0-5	3
	50	25	19.92	19.65	19.72	19.87	19.78		3
	50	50	19.87	19.69	19.65	19.74	19.74		3
	100	0	19.93	19.63	19.70	19.83	19.77		3

Table 10-63
LTE Band 41 Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot)
- 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750.0 (2506.0 MHz)	40185.0 (2549.5 MHz)	40620.0 (2593.0 MHz)	41055.0 (2636.5 MHz)	41490.0 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	20.96	20.29	20.83	21.59	20.49	0	0
	1	50	20.86	20.41	21.24	21.37	20.39		0
	1	99	20.66	20.53	21.29	21.03	20.17		0
	50	0	20.81	20.23	21.12	21.69	20.50	0-1	0
	50	25	20.74	20.36	21.28	21.53	20.36		0
	50	50	20.61	20.36	21.33	21.32	20.21		0
16QAM	100	0	20.70	20.33	21.25	21.49	20.35	0	0
	1	0	20.99	20.29	21.03	21.66	20.73	0-1	0
	1	50	20.89	20.38	21.13	21.39	20.46		0
	1	99	20.62	20.55	21.17	20.99	20.17		0
	50	0	20.84	20.26	21.15	21.72	20.48	0	0
	50	25	20.75	20.41	21.32	21.56	20.37	0-2	0
50	50	20.64	20.40	21.35	21.33	20.21	0		
100	0	20.71	20.34	21.25	21.53	20.34	0		
64QAM	1	0	20.93	20.28	21.03	21.85	20.67	0-2	0
	1	50	20.88	20.43	21.27	21.57	20.34		0
	1	99	20.64	20.53	21.39	21.17	20.23		0
	50	0	20.85	20.28	21.13	21.66	20.48	0-3	0
	50	25	20.77	20.42	21.28	21.57	20.39		0
	50	50	20.65	20.41	21.35	21.37	20.19		0
256QAM	100	0	20.72	20.37	21.26	21.52	20.34	0	0
	1	0	19.77	19.09	20.07	20.81	19.59	0-5	1
	1	50	19.77	19.38	20.33	20.55	19.28		1
	1	99	19.51	19.41	20.36	20.18	19.08		1
	50	0	19.83	19.24	20.14	20.69	19.46		1
	50	25	19.73	19.37	20.28	20.56	19.33		1
50	50	19.63	19.39	20.35	20.33	19.18	1		
	100	0	19.69	19.35	20.28	20.54	19.36	1	

Table 10-64
LTE Band 41 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750.0 (2506.0 MHz)	40185.0 (2549.5 MHz)	40620.0 (2593.0 MHz)	41055.0 (2636.5 MHz)	41490.0 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	18.45	17.78	18.48	19.15	18.00	0	0
	1	50	18.15	17.93	18.70	18.88	17.76		0
	1	99	18.18	18.04	18.77	18.50	17.54		0
	50	0	18.31	17.71	18.62	19.16	18.00	0-1	0
	50	25	18.20	17.84	18.76	19.02	17.80		0
	50	50	18.09	17.83	18.83	18.82	17.55		0
	100	0	18.14	17.80	18.73	19.02	17.75		0
16QAM	1	0	18.43	17.81	18.48	19.20	18.07	0-1	0
	1	50	18.44	17.89	18.64	18.92	17.78		0
	1	99	18.14	18.05	18.74	18.57	17.62		0
	50	0	18.31	17.73	18.65	19.22	17.99	0-2	0
	50	25	18.21	17.87	18.80	19.04	17.87		0
	50	50	18.10	17.87	18.85	18.83	17.68		0
	100	0	18.18	17.83	18.76	18.99	17.87		0
64QAM	1	0	18.46	17.72	18.56	19.38	18.12	0-2	0
	1	50	18.33	17.82	18.75	19.06	17.76		0
	1	99	18.16	17.97	18.80	18.74	17.40		0
	50	0	18.28	17.73	18.62	19.17	17.95	0-3	0
	50	25	18.20	17.85	18.79	18.87	17.82		0
	50	50	18.08	17.87	18.85	18.81	17.65		0
	100	0	18.16	17.81	18.77	19.05	17.85		0
256QAM	1	0	18.26	17.58	18.56	19.38	18.01	0-5	0
	1	50	18.21	17.86	18.84	18.99	17.74		0
	1	99	18.01	17.91	18.84	18.68	17.64		0
	50	0	18.27	17.72	18.62	19.21	17.91		0
	50	25	18.23	17.87	18.77	19.11	17.83		0
	50	50	18.09	17.86	18.82	18.85	17.66		0
	100	0	18.18	17.83	18.77	19.05	17.83		0

10.3.11 LTE Band 48

Table 10-65

LTE Band 48 Ant F Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot)
- 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340.0 (3560.0 MHz)	55773.0 (3603.3 MHz)	56207.0 (3646.7 MHz)	56640.0 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	18.51	18.61	18.74	18.63	0	0
	1	50	18.50	18.62	18.71	18.60		0
	1	99	18.48	18.63	18.67	18.56		0
	50	0	18.58	18.67	18.81	18.65	0-1	0
	50	25	18.66	18.77	18.73	18.61		0
	50	50	18.68	18.80	18.80	18.62		0
	100	0	18.65	18.70	18.73	18.65		0
16QAM	1	0	18.63	18.60	18.77	18.80	0-1	0
	1	50	18.72	18.60	18.75	18.87		0
	1	99	18.63	18.65	18.64	18.73		0
	50	0	18.58	18.66	18.77	18.66	0-2	0
	50	25	18.62	18.74	18.80	18.67		0
	50	50	18.67	18.76	18.85	18.70		0
	100	0	18.60	18.76	18.73	18.66		0
64QAM	1	0	18.59	18.51	18.79	18.57	0-2	0
	1	50	18.51	18.75	18.85	18.67		0
	1	99	18.63	18.68	18.67	18.48		0
	50	0	18.03	18.19	18.28	18.17	0-3	0.5
	50	25	18.12	18.28	18.23	18.15		0.5
	50	50	18.13	18.24	18.30	18.16		0.5
	100	0	18.13	18.24	18.24	18.16		0.5
256QAM	1	0	15.88	16.01	16.20	16.15	0-5	2.5
	1	50	15.97	16.13	16.17	16.17		2.5
	1	99	16.13	16.05	16.04	16.08		2.5
	50	0	16.03	16.17	16.22	16.17		2.5
	50	25	16.08	16.25	16.27	16.13		2.5
	50	50	16.11	16.22	16.25	16.16		2.5
	100	0	16.11	16.22	16.21	16.11		2.5

Table 10-66

LTE Band 48 Ant F Uplink Carrier Aggregation Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

Combination	PCC									SCC									Power	
	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE Band 48	20	56207	3646.7	56207	3646.7	QPSK	1	0	LTE Band 48	20	56009	3626.9	56009	3626.9	QPSK	1	99	18.63	18.74
CA_48C	LTE Band 48	20	55340	3560	55340	3560	QPSK	50	50	LTE Band 48	20	55538	3579.8	55538	3579.8	QPSK	50	0	18.51	18.68

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Document S/N: 1M2602190015-34.A3L(Rev2)		DUT Type: Portable Handset		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.								Page 76 of 198	

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Table 10-67
LTE Band 48 Ant F Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340.0 (3560.0 MHz)	55773.0 (3603.3 MHz)	56207.0 (3646.7 MHz)	56640.0 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	14.33	14.49	14.95	14.52	0	0
	1	50	14.30	14.62	14.94	14.50		0
	1	99	14.20	14.69	14.84	14.43		0
	50	0	14.37	14.59	14.97	14.54	0-1	0
	50	25	14.42	14.74	14.96	14.51		0
	50	50	14.39	14.78	14.96	14.57		0
16QAM	100	0	14.44	14.73	14.93	14.53	0-1	0
	1	0	14.35	14.42	14.93	14.54		0
	1	50	14.30	14.77	14.89	14.43		0
	1	99	14.20	14.75	14.82	14.33	0-2	0
	50	0	14.40	14.54	14.97	14.56		0
	50	25	14.39	14.77	14.95	14.52		0
64QAM	50	50	14.19	14.53	14.98	14.56	0-2	0
	100	0	14.40	14.72	14.94	14.50		0
	1	0	14.46	14.62	14.96	14.59		0-2
	1	50	14.44	14.76	14.90	14.56	0	
	1	99	14.31	14.68	14.86	14.55	0	
	50	0	14.37	14.58	14.93	14.56	0-3	0
256QAM	50	25	14.43	14.75	14.95	14.58		0
	50	50	14.35	14.77	14.95	14.57		0
	100	0	14.40	14.69	14.91	14.48	0	
	1	0	14.24	14.32	14.81	14.47	0-5	0
	1	50	14.47	14.66	14.91	14.53		0
	1	99	14.25	14.67	14.67	14.37		0
50	0	14.38	14.59	14.93	14.55	0		
50	25	14.44	14.53	14.76	14.36	0		
50	50	14.39	14.76	14.90	14.54	0		
	100	0	14.43	14.74	14.89	14.51	0	

Table 10-68
LTE Band 48 Ant F Uplink Carrier Aggregation Measured P_{Limit} for DSI = 1 (RCV On)
- 20 MHz Bandwidth

20 MHz Bandwidth																				
Combination	PCC									SCC									Power	
	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE Band 48	20	56207	3646.7	56207	3646.7	QPSK	1	0	LTE Band 48	20	56009	3626.9	56009	3626.9	QPSK	1	99	15.21	14.95

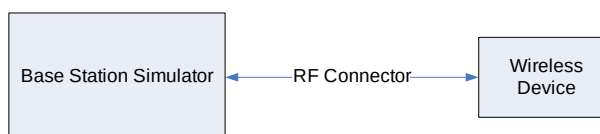


Figure 10-3
Power Measurement Setup

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10.4 NR Conducted Powers

Per October 2020 TCB Workshop Guidance, NR FR1 SAR evaluations are being generally based on adapting the existing LTE SAR procedures (FCC KDB Publication 941225 D05v02r05). Therefore, NR SAR for the lower bandwidths was not required for testing based on the measured output power and the reported NR SAR for the highest bandwidth. Lower bandwidth conducted powers for all NR bands can be found in LTE and NR Lower Bandwidth RF Conducted Powers Appendix.

Note: Some bands do not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

10.4.1 NR Band n71

Table 10-69
NR Band n71 Ant A Measured P_{Max} for all DSI - 35 MHz Bandwidth

NR Band n71 35 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.80	0	0.0
	1	94	23.42		0.0
	1	186	23.42		0.0
	90	0	22.74	0-1	1.0
	90	49	23.67	0	0.0
	90	98	22.40	0-1	1.0
	180	0	22.50		1.0
DFT-s-OFDM 16QAM	1	1	22.65	0-1	1.0
CP-OFDM QPSK	1	1	22.03	0-1.5	1.5

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Table 10-70
NR Band n71 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot)
- 35 MHz Bandwidth

NR Band n71 35 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			136100 (680.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.31	0	0.0
	1	94	22.28		0.0
	1	186	22.46		0.0
	90	0	22.42	0-1	0.0
	90	49	22.36	0	0.0
	90	98	22.53	0-1	0.0
	180	0	22.37		0.0
DFT-s-OFDM 16QAM	1	1	22.11	0-1	0.0
CP-OFDM QPSK	1	1	22.59	0-1.5	0.0

Table 10-71
NR Band n71 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 35 MHz Bandwidth

NR Band n71 35 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			136100 (680.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.85	0	0.0
	1	94	21.85		0.0
	1	186	22.13		0.0
	90	0	21.90	0-1	0.0
	90	49	21.74	0	0.0
	90	98	22.07	0-1	0.0
	180	0	21.84		0.0
DFT-s-OFDM 16QAM	1	1	21.61	0-1	0.0
CP-OFDM QPSK	1	1	21.85	0-1.5	0.0

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10.4.2 NR Band n12

Table 10-72
NR Band n12 Ant A Measured P_{Max} for DSI = 1 (RCV On) - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz)		
DFT-s-OFDM QPSK	1	1	23.71	0	0.0
	1	40	23.93		0.0
	1	77	24.07		0.0
	36	0	22.92	0-1	1.0
	36	22	23.96	0	0.0
	36	43	23.03	0-1	1.0
	75	0	23.00		1.0
DFT-s-OFDM 16QAM	1	1	22.50	0-1	1.0
CP-OFDM QPSK	1	1	22.46	0-1.5	1.5

Table 10-73
NR Band n12 Ant A Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz)		
DFT-s-OFDM QPSK	1	1	22.00	0	0.0
	1	40	22.20		0.0
	1	77	22.41		0.0
	36	0	22.12	0-1	0.0
	36	22	22.28	0	0.0
	36	43	22.34	0-1	0.0
	75	0	22.20		0.0
DFT-s-OFDM 16QAM	1	1	22.00	0-1	0.0
CP-OFDM QPSK	1	1	22.35	0-1.5	0.0

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Table 10-74
NR Band n12 Ant A Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.82	0	0.0
	1	40	22.81		0.0
	1	77	23.16		0.0
	36	0	22.72	0-1	0.5
	36	22	23.05	0	0.0
	36	43	22.87	0-1	0.5
	75	0	22.80		0.5
DFT-s-OFDM 16QAM	1	1	22.37	0-1	0.5
CP-OFDM QPSK	1	1	22.22	0-1.5	1.0

Table 10-75
NR Band n12 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.24	0	0.0
	1	40	22.22		0.0
	1	77	22.45		0.0
	36	0	22.37	0-1	0.0
	36	22	22.46	0	0.0
	36	43	22.48	0-1	0.0
	75	0	22.33		0.0
DFT-s-OFDM 16QAM	1	1	22.21	0-1	0.0
CP-OFDM QPSK	1	1	22.37	0-1.5	0.0

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Table 10-76
NR Band n12 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.29	0	0.0
	1	40	21.40		0.0
	1	77	21.42		0.0
	36	0	21.37	0-1	0.0
	36	22	21.49	0	0.0
	36	43	21.50	0-1	0.0
	75	0	21.41		0.0
DFT-s-OFDM 16QAM	1	1	21.25	0-1	0.0
CP-OFDM QPSK	1	1	21.37	0-1.5	0.0

Table 10-77
NR Band n12 Ant E Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.77	0	0.0
	1	40	22.72		0.0
	1	77	22.97		0.0
	36	0	22.95	0-1	0.0
	36	22	22.94	0	0.0
	36	43	22.97	0-1	0.0
	75	0	22.95		0.0
DFT-s-OFDM 16QAM	1	1	22.78	0-1	0.0
CP-OFDM QPSK	1	1	22.89	0-1.5	0.0

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10.4.3 NR Band n14

Table 10-78
NR Band n14 Ant A Measured P_{Max} for DSI = 1 (RCV On) - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.98	0	0.0
	1	26	24.01		0.0
	1	50	23.91		0.0
	25	0	23.04	0-1	1.0
	25	14	23.94	0	0.0
	25	27	22.91	0-1	1.0
	50	0	23.02		1.0
DFT-s-OFDM 16QAM	1	1	22.79	0-1	1.0
CP-OFDM QPSK	1	1	22.69	0-1.5	1.5

Table 10-79
NR Band n14 Ant A Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.62	0	0.0
	1	26	22.57		0.0
	1	50	22.61		0.0
	25	0	22.65	0-1	0.0
	25	14	22.58	0	0.0
	25	27	22.62	0-1	0.0
	50	0	22.53		0.0
DFT-s-OFDM 16QAM	1	1	22.28	0-1	0.0
CP-OFDM QPSK	1	1	22.67	0-1.5	0.0

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Table 10-80
NR Band n14 Ant A Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.07	0	0.0
	1	26	23.10		0.0
	1	50	22.97		0.0
	25	0	22.68	0-1	0.5
	25	14	22.92	0	0.0
	25	27	22.69	0-1	0.5
	50	0	22.72		0.5
DFT-s-OFDM 16QAM	1	1	22.42	0-1	0.5
CP-OFDM QPSK	1	1	22.32	0-1.5	1.0

Table 10-81
NR Band n14 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.22	0	0.0
	1	26	22.35		0.0
	1	50	22.40		0.0
	25	0	22.40	0-1	0.0
	25	14	22.39	0	0.0
	25	27	22.33	0-1	0.0
	50	0	22.39		0.0
DFT-s-OFDM 16QAM	1	1	22.19	0-1	0.0
CP-OFDM QPSK	1	1	22.32	0-1.5	0.0

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Table 10-82
NR Band n14 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.25	0	0.0
	1	26	21.37		0.0
	1	50	21.41		0.0
	25	0	21.42	0-1	0.0
	25	14	21.41	0	0.0
	25	27	21.34	0-1	0.0
	50	0	21.39		0.0
DFT-s-OFDM 16QAM	1	1	21.20	0-1	0.0
CP-OFDM QPSK	1	1	21.33	0-1.5	0.0

10.4.4 NR Band n26

Table 10-83
NR Band n26 Ant A Measured P_{Max} for DSI = 1(RCV On) - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.49	0	0.0
	1	53	23.59		0.0
	1	104	23.84		0.0
	50	0	22.68	0-1	1.0
	50	28	23.72	0	0.0
	50	56	22.72	0-1	1.0
	100	0	22.72		1.0
DFT-s-OFDM 16QAM	1	1	22.06	0-1	1.0
CP-OFDM QPSK	1	1	22.32	0-1.5	1.5

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Table 10-84
NR Band n26 Ant A Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			166300 (831.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.77	0	0.0
	1	53	20.69		0.0
	1	104	20.76		0.0
	50	0	20.70	0-1	0.0
	50	28	20.83	0	0.0
	50	56	20.89	0-1	0.0
	100	0	20.76		0.0
DFT-s-OFDM 16QAM	1	1	20.15	0-1	0.0
CP-OFDM QPSK	1	1	20.85	0-1.5	0.0

Table 10-85
NR Band n26 Ant A Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			166300 (831.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.57	0	0.0
	1	53	22.60		0.0
	1	104	22.84		0.0
	50	0	22.53	0-1	0.5
	50	28	22.76	0	0.0
	50	56	22.59	0-1	0.5
	100	0	22.47		0.5
DFT-s-OFDM 16QAM	1	1	21.95	0-1	0.5
CP-OFDM QPSK	1	1	22.03	0-1.5	1.0

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Table 10-86
NR Band n26 Ant E Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.29	0	0.0
	1	53	22.61		0.0
	1	104	22.66		0.0
	50	0	22.52	0-1	0.0
	50	28	22.69	0	0.0
	50	56	22.71	0-1	0.0
	100	0	22.59		0.0
DFT-s-OFDM 16QAM	1	1	22.07	0-1	0.0
CP-OFDM QPSK	1	1	22.45	0-1.5	0.0

Table 10-87
NR Band n26 Ant E Measured P_{Limit} for DSI = 1 (RCV On) - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.35	0	0.0
	1	53	21.63		0.0
	1	104	21.62		0.0
	50	0	21.50	0-1	0.0
	50	28	21.66	0	0.0
	50	56	21.72	0-1	0.0
	100	0	21.62		0.0
DFT-s-OFDM 16QAM	1	1	21.12	0-1	0.0
CP-OFDM QPSK	1	1	21.47	0-1.5	0.0

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Table 10-88
NR Band n26 Ant E Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.89	0	0.0
	1	53	23.11		0.0
	1	104	23.27		0.0
	50	0	23.07	0-1	0.0
	50	28	23.11	0	0.0
	50	56	23.24	0-1	0.0
	100	0	23.05		0.0
DFT-s-OFDM 16QAM	1	1	22.47	0-1	0.0
CP-OFDM QPSK	1	1	23.04	0-1.5	0.0

10.4.5 NR Band n70

Table 10-89
NR Band n70 Ant B Measured P_{Max} for DSI = 1 (RCV On) - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.01	0	0.0
	1	40	23.85		0.0
	1	77	23.69		0.0
	36	0	22.95	0-1	1.0
	36	22	23.99	0	0.0
	36	43	22.92	0-1	1.0
	75	0	23.00		1.0
DFT-s-OFDM 16QAM	1	1	22.88	0-1	1.0
CP-OFDM QPSK	1	1	22.65	0-1.5	1.5

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Table 10-90
NR Band n70 Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.76	0	0.0
	1	40	18.60		0.0
	1	77	18.54		0.0
	36	0	18.76	0-1	0.0
	36	22	18.67	0	0.0
	36	43	18.68	0-1	0.0
	75	0	18.64		0.0
DFT-s-OFDM 16QAM	1	1	18.56	0-1	0.0
CP-OFDM QPSK	1	1	18.91	0-1.5	0.0

Table 10-91
NR Band n70 Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.06	0	0.0
	1	40	19.83		0.0
	1	77	19.71		0.0
	36	0	20.09	0-1	0.0
	36	22	20.04	0	0.0
	36	43	19.82	0-1	0.0
	75	0	20.02		0.0
DFT-s-OFDM 16QAM	1	1	20.06	0-1	0.0
CP-OFDM QPSK	1	1	20.30	0-1.5	0.0

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Table 10-92

NR Band n70 Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.79	0	0.0
	1	40	20.63		0.0
	1	77	20.51		0.0
	36	0	20.78	0-1	0.0
	36	22	20.64	0	0.0
	36	43	20.63	0-1	0.0
	75	0	20.67		0.0
DFT-s-OFDM 16QAM	1	1	20.71	0-1	0.0
CP-OFDM QPSK	1	1	20.81	0-1.5	0.0

Table 10-93

NR Band n70 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.83	0	0.0
	1	40	18.62		0.0
	1	77	18.58		0.0
	36	0	18.73	0-1	0.0
	36	22	18.63	0	0.0
	36	43	18.61	0-1	0.0
	75	0	18.61		0.0
DFT-s-OFDM 16QAM	1	1	18.65	0-1	0.0
CP-OFDM QPSK	1	1	18.77	0-1.5	0.0

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10.4.6 NR Band n66

Table 10-94
NR Band n66 Ant B Measured P_{Max} for DSI = 1 (RCV On) - 45 MHz Bandwidth

NR Band n66 45 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.25	0	0.0
	1	121	23.10		0.0
	1	240	23.67		0.0
	120	0	22.23	0-1	1.0
	120	61	23.18	0	0.0
	120	122	22.43	0-1	1.0
	240	0	22.33		1.0
DFT-s-OFDM 16QAM	1	1	22.23	0-1	1.0
CP-OFDM QPSK	1	1	21.73	0-1.5	1.5

Table 10-95
NR Band n66 Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 45 MHz Bandwidth

NR Band n66 45 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.30	0	0.0
	1	121	18.20		0.0
	1	240	18.69		0.0
	120	0	18.30	0-1	0.0
	120	61	18.27	0	0.0
	120	122	18.54	0-1	0.0
	240	0	18.47		0.0
DFT-s-OFDM 16QAM	1	1	18.18	0-1	0.0
CP-OFDM QPSK	1	1	18.36	0-1.5	0.0

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Table 10-96
NR Band n66 Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 45 MHz Bandwidth

NR Band n66 45 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.35	0	0.0
	1	121	19.36		0.0
	1	240	19.76		0.0
	120	0	19.43	0-1	0.0
	120	61	19.25	0	0.0
	120	122	19.49	0-1	0.0
	240	0	19.46		0.0
DFT-s-OFDM 16QAM	1	1	19.19	0-1	0.0
CP-OFDM QPSK	1	1	19.39	0-1.5	0.0

Table 10-97
NR Band n66 Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 45 MHz Bandwidth

NR Band n66 45 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.60	0	0.0
	1	121	20.63		0.0
	1	240	20.98		0.0
	120	0	20.65	0-1	0.0
	120	61	20.53	0	0.0
	120	122	20.73	0-1	0.0
	240	0	20.71		0.0
DFT-s-OFDM 16QAM	1	1	20.53	0-1	0.0
CP-OFDM QPSK	1	1	20.64	0-1.5	0.0

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Table 10-98
NR Band n66 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 45 MHz Bandwidth

NR Band n66 45 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.59	0	0.0
	1	121	18.57		0.0
	1	240	19.02		0.0
	120	0	18.59	0-1	0.0
	120	61	18.58	0	0.0
	120	122	18.77	0-1	0.0
	240	0	18.68		0.0
DFT-s-OFDM 16QAM	1	1	18.37	0-1	0.0
CP-OFDM QPSK	1	1	18.60	0-1.5	0.0

Table 10-99
NR Band n66 Ant H Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 45 MHz Bandwidth

NR Band n66 45 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			349000 (1745 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.37	0	0.0
	1	121	21.42		0.0
	1	240	21.84		0.0
	120	0	21.45	0-1	0.0
	120	61	21.42	0	0.0
	120	122	21.58	0-1	0.0
	240	0	21.56		0.0
DFT-s-OFDM 16QAM	1	1	21.30	0-1	0.0
CP-OFDM QPSK	1	1	21.46	0-1.5	0.0

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10.4.7 NR Band n25

Table 10-100
NR Band n25 Ant B Measured P_{Max} for DSI = 1 (RCV On) - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.18	0	0.0
	1	108	24.02		0.0
	1	214	24.05		0.0
	108	0	23.03	0-1	1.0
	108	54	24.16	0	0.0
	108	108	23.11	0-1	1.0
	216	0	23.09		1.0
DFT-s-OFDM 16QAM	1	1	23.04	0-1	1.0
CP-OFDM QPSK	1	1	22.58	0-1.5	1.5

Table 10-101
NR Band n25 Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.42	0	0.0
	1	108	17.23		0.0
	1	214	17.03		0.0
	108	0	17.27	0-1	0.0
	108	54	17.05	0	0.0
	108	108	17.09	0-1	0.0
	216	0	17.22		0.0
DFT-s-OFDM 16QAM	1	1	17.22	0-1	0.0
CP-OFDM QPSK	1	1	17.41	0-1.5	0.0

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Table 10-102
NR Band n25 Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.01	0	0.0
	1	108	18.78		0.0
	1	214	18.73		0.0
	108	0	18.82	0-1	0.0
	108	54	18.80	0	0.0
	108	108	18.66	0-1	0.0
	216	0	18.80		0.0
DFT-s-OFDM 16QAM	1	1	18.98	0-1	0.0
CP-OFDM QPSK	1	1	19.11	0-1.5	0.0

Table 10-103
NR Band n25 Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.22	0	0.0
	1	108	20.28		0.0
	1	214	20.26		0.0
	108	0	20.18	0-1	0.0
	108	54	20.29	0	0.0
	108	108	20.20	0-1	0.0
	216	0	20.21		0.0
DFT-s-OFDM 16QAM	1	1	20.09	0-1	0.0
CP-OFDM QPSK	1	1	20.19	0-1.5	0.0

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Table 10-104
NR Band n25 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.46	0	0.0
	1	108	18.08		0.0
	1	214	18.32		0.0
	108	0	18.30	0-1	0.0
	108	54	18.19	0	0.0
	108	108	18.19	0-1	0.0
	216	0	18.27		0.0
DFT-s-OFDM 16QAM	1	1	18.31	0-1	0.0
CP-OFDM QPSK	1	1	18.32	0-1.5	0.0

10.4.8 NR Band n30

Table 10-105
NR Band n30 Ant B Measured P_{Max} for DSI = 1 (RCV On) - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.02	0	0.0
	1	26	24.03		0.0
	1	50	23.99		0.0
	25	0	23.06	0-1	1.0
	25	14	23.98	0	0.0
	25	27	22.85	0-1	1.0
	50	0	23.06		1.0
DFT-s-OFDM 16QAM	1	1	23.01	0-1	1.0
CP-OFDM QPSK	1	1	22.70	0-1.5	1.5

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Table 10-106
NR Band n30 Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.36	0	0.0
	1	26	18.31		0.0
	1	50	18.19		0.0
	25	0	18.43	0-1	0.0
	25	14	18.34	0	0.0
	25	27	18.46	0-1	0.0
	50	0	18.32		0.0
DFT-s-OFDM 16QAM	1	1	18.27	0-1	0.0
CP-OFDM QPSK	1	1	18.46	0-1.5	0.0

Table 10-107
NR Band n30 Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.66	0	0.0
	1	26	19.69		0.0
	1	50	19.60		0.0
	25	0	19.79	0-1	0.0
	25	14	19.63	0	0.0
	25	27	19.71	0-1	0.0
	50	0	19.68		0.0
DFT-s-OFDM 16QAM	1	1	19.55	0-1	0.0
CP-OFDM QPSK	1	1	19.74	0-1.5	0.0

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Table 10-108
NR Band n30 Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.02	0	0.0
	1	26	17.96		0.0
	1	50	17.79		0.0
	25	0	18.01	0-1	0.0
	25	14	17.93	0	0.0
	25	27	17.99	0-1	0.0
	50	0	18.00		0.0
DFT-s-OFDM 16QAM	1	1	17.82	0-1	0.0
CP-OFDM QPSK	1	1	18.11	0-1.5	0.0

Table 10-109
NR Band n30 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.02	0	0.0
	1	26	16.86		0.0
	1	50	16.74		0.0
	25	0	17.03	0-1	0.0
	25	14	16.91	0	0.0
	25	27	16.97	0-1	0.0
	50	0	17.00		0.0
DFT-s-OFDM 16QAM	1	1	16.86	0-1	0.0
CP-OFDM QPSK	1	1	17.09	0-1.5	0.0

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Table 10-110
NR Band n30 Ant H Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			462000 (2310 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.36	0	0.0
	1	26	19.24		0.0
	1	50	19.05		0.0
	25	0	19.29	0-1	0.0
	25	14	19.23	0	0.0
	25	27	19.14	0-1	0.0
	50	0	19.25		0.0
DFT-s-OFDM 16QAM	1	1	19.05	0-1	0.0
CP-OFDM QPSK	1	1	19.43	0-1.5	0.0

10.4.9 NR Band n7

Table 10-111
NR Band n7 Ant B Measured P_{Max} for DSI = 1 (RCV On) - 50 MHz Bandwidth

NR Band n7 50 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.55	0	0.0
	1	135	23.60		0.0
	1	268	24.02		0.0
	135	0	22.80	0-1	1.0
	135	68	23.73	0	0.0
	135	135	22.76	0-1	1.0
	270	0	22.77		1.0
DFT-s-OFDM 16QAM	1	1	22.53	0-1	1.0
CP-OFDM QPSK	1	1	22.00	0-1.5	1.5

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Table 10-112
NR Band n7 Ant B Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 50 MHz Bandwidth

NR Band n7 50 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.88	0	0.0
	1	135	18.47		0.0
	1	268	18.62		0.0
	135	0	18.68	0-1	0.0
	135	68	18.41	0	0.0
	135	135	18.45	0-1	0.0
	270	0	18.52		0.0
DFT-s-OFDM 16QAM	1	1	18.62	0-1	0.0
CP-OFDM QPSK	1	1	18.92	0-1.5	0.0

Table 10-113
NR Band n7 Ant B Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 50 MHz Bandwidth

NR Band n7 50 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.82	0	0.0
	1	135	19.29		0.0
	1	268	19.75		0.0
	135	0	19.57	0-1	0.0
	135	68	19.32	0	0.0
	135	135	19.35	0-1	0.0
	270	0	19.40		0.0
DFT-s-OFDM 16QAM	1	1	19.55	0-1	0.0
CP-OFDM QPSK	1	1	19.89	0-1.5	0.0

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Table 10-114
NR Band n7 Ant H Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 50 MHz Bandwidth

NR Band n7 50 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.27	0	0.0
	1	135	17.65		0.0
	1	268	18.26		0.0
	135	0	18.05	0-1	0.0
	135	68	17.88	0	0.0
	135	135	18.01	0-1	0.0
	270	0	17.97		0.0
DFT-s-OFDM 16QAM	1	1	18.15	0-1	0.0
CP-OFDM QPSK	1	1	18.42	0-1.5	0.0

Table 10-115
NR Band n7 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 50 MHz Bandwidth

NR Band n7 50 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.27	0	0.0
	1	135	16.66		0.0
	1	268	17.15		0.0
	135	0	17.05	0-1	0.0
	135	68	16.89	0	0.0
	135	135	16.98	0-1	0.0
	270	0	17.00		0.0
DFT-s-OFDM 16QAM	1	1	17.21	0-1	0.0
CP-OFDM QPSK	1	1	17.37	0-1.5	0.0

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Table 10-116
NR Band n7 Ant H Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 50 MHz Bandwidth

NR Band n7 50 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.27	0	0.0
	1	135	18.87		0.0
	1	268	19.42		0.0
	135	0	18.94	0-1	0.0
	135	68	18.88	0	0.0
	135	135	19.04	0-1	0.0
	270	0	19.02		0.0
DFT-s-OFDM 16QAM	1	1	19.31	0-1	0.0
CP-OFDM QPSK	1	1	18.98	0-1.5	0.0

10.4.10 NR Band n41

Table 10-117
NR Band n41 PC2 Ant B Path 1 Measured P_{Max} for DSI = 1 (RCV On) - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	26.58	0	0.0
	1	137	26.81		0.0
	1	271	26.85		0.0
	135	0	25.99	0-1	1.0
	135	69	27.15	0	0.0
	135	138	26.15	0-1	1.0
	270	0	26.13		1.0
DFT-s-OFDM 16QAM	1	1	25.51	0-1	1.0
CP-OFDM QPSK	1	1	25.04	0-1.5	1.5

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Table 10-118
NR Band n41 PC2 Ant B Path 1 Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot) - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			518598 (2592.99 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.83	0	0.0
	1	137	20.00		0.0
	1	271	20.22		0.0
	135	0	19.87	0-1	0.0
	135	69	20.01	0	0.0
	135	138	20.16	0-1	0.0
	270	0	20.06		0.0
DFT-s-OFDM 16QAM	1	1	19.74	0-1	0.0
CP-OFDM QPSK	1	1	19.80	0-1.5	0.0

Table 10-119
NR Band n41 PC2 Ant B Path 1 Measured P_{Limit} for DSI = 3/4 (Closed, Free, Hotspot) - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			518598 (2592.99 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.03	0	0.0
	1	137	21.31		0.0
	1	271	21.35		0.0
	135	0	21.14	0-1	0.0
	135	69	21.26	0	0.0
	135	138	21.31	0-1	0.0
	270	0	21.22		0.0
DFT-s-OFDM 16QAM	1	1	20.86	0-1	0.0
CP-OFDM QPSK	1	1	20.89	0-1.5	0.0

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Table 10-120

NR Band n41 PC2 Ant H, C, G Path 1 Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth	
Channel	
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #2 Ant H	19.54
SRS #3 Ant C	18.31
SRS #4 Ant G	17.98

Table 10-121

NR Band n41 PC2 Ant H, C, G Path 1 Measured P_{Limit} for DSI = 1 (RCV On) - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth	
Channel	
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #2 Ant H	17.02
SRS #3 Ant C	22.68
SRS #4 Ant G	17.98

Table 10-122

NR Band n41 PC2 Ant H Path 2 Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			518598 (2592.99 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.18	0	0.0
	1	137	19.29		0.0
	1	271	19.44		0.0
	135	0	19.08	0-1	0.0
	135	69	19.30	0	0.0
	135	138	19.58	0-1	0.0
	270	0	19.38		0.0
DFT-s-OFDM 16QAM	1	1	19.13	0-1	0.0
CP-OFDM QPSK	1	1	19.20	0-1.5	0.0

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Table 10-123

NR Band n41 PC2 Ant B, G, C Path 2 Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI =3/4 (Closed, Free, Hotspot) - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth	
Channel	
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	18.81
SRS #3 Ant G	19.98
SRS #4 Ant C	15.59

10.4.11 NR Band n38

Table 10-124

NR Band n38 Ant H Measured P_{Limit} for DSI = 1 (RCV On) - 40 MHz Bandwidth

NR Band n38 40 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			519000 (2595 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.25	0	0.0
	1	53	17.31		0.0
	1	104	17.00		0.0
	50	0	17.31	0-1	0.0
	50	28	17.33	0	0.0
	50	56	17.18	0-1	0.0
	100	0	17.25		0.0
DFT-s-OFDM 16QAM	1	1	17.19	0-1	0.0
CP-OFDM QPSK	1	1	17.25	0-1.5	0.0

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10.4.12 NR Band n48

Table 10-125

NR Band n48 Ant F Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot)
- 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth						
			Channel			MPR Allowed per 3GPP [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)	
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	16.70	16.71	16.67	0
	1	53	16.75	16.74	16.61	
	1	104	16.79	16.67	16.87	
	50	0	16.82	16.80	16.96	0-1
	50	28	16.80	16.77	16.87	0
	50	56	16.88	16.73	16.77	0-1
	100	0	16.79	16.74	16.82	
DFT-s-OFDM 16QAM	1	1	16.78	16.76	16.79	0-1
CP-OFDM OPSK	1	1	16.63	16.61	16.75	0-1.5

Table 10-126

NR Band n48 Ant F Measured P_{Limit} for DSI = 1 (RCV On) - 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	12.86	13.11	13.09	0	0.0
	1	53	12.87	13.09	13.07		0.0
	1	104	12.94	13.07	13.13		0.0
	50	0	12.88	13.16	13.13	0-1	0.0
	50	28	12.95	13.13	13.11	0	0.0
	50	56	13.03	13.15	13.22	0-1	0.0
	100	0	12.94	13.11	13.12		0.0
DFT-s-OFDM 16QAM	1	1	12.91	13.18	13.20	0-1	0.0
CP-OFDM QPSK	1	1	12.78	13.15	13.15	0-1.5	0.0

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Table 10-127

NR Band n48 Ant H, K, C Measured P_{Limit} DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot)
- 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth			
Channel			
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #2 Ant H	16.95	17.21	17.33
SRS #3 Ant K	17.40	18.00	17.74
SRS #4 Ant C	17.28	17.39	17.21

Table 10-128

NR Band n48 Antenna H, K, C Measured P_{Limit} for DSI = 1 (RCV On) - 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth			
Channel			
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #2 Ant H	13.87	14.11	14.21
SRS #3 Ant K	14.30	14.87	14.39
SRS #4 Ant C	12.92	13.51	13.36

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10.4.13 NR Band n77

Table 10-129
NR Band n77 DoD Ant F Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.87	0	0.0
	1	137	16.72		0.0
	1	271	17.24		0.0
	135	0	16.73	0-1	0.0
	135	69	16.79	0	0.0
	135	138	17.04	0-1	0.0
	270	0	16.88		0.0
DFT-s-OFDM 16QAM	1	1	16.77	0-1	0.0
CP-OFDM QPSK	1	1	16.89	0-1.5	0.0

Table 10-130
NR Band n77 Ant F Measured P_{Limit} for DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
Modulation	RB Size	RB Offset	Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
			650000 (3750 MHz) Conducted Power [dBm]	662000 (3930 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.02	16.91	0	0.0
	1	137	16.57	16.38		0.0
	1	271	16.66	16.60		0.0
	135	0	16.85	16.61	0-1	0.0
	135	69	16.65	16.44	0	0.0
	135	138	16.62	16.48	0-1	0.0
	270	0	16.74	16.55		0.0
DFT-s-OFDM 16QAM	1	1	16.98	16.80	0-1	0.0
CP-OFDM QPSK	1	1	17.11	17.03	0-1.5	0.0

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Table 10-131
NR Band n77 DoD Ant F Measured P_{Limit} for DSI = 1 (RCV On) - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	13.74	0	0.0
	1	137	13.68		0.0
	1	271	14.29		0.0
	135	0	13.77	0-1	0.0
	135	69	13.75	0	0.0
	135	138	13.94	0-1	0.0
	270	0	13.77		0.0
DFT-s-OFDM 16QAM	1	1	13.71	0-1	0.0
CP-OFDM QPSK	1	1	13.81	0-1.5	0.0

Table 10-132
NR Band n77 Ant F Measured P_{Limit} for DSI = 1 (RCV On) - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	13.92	13.77	0	0.0
	1	137	13.62	13.28		0.0
	1	271	13.65	13.50		0.0
	135	0	13.77	13.50	0-1	0.0
	135	69	13.64	13.33	0	0.0
	135	138	13.54	13.37	0-1	0.0
	270	0	13.65	13.43		0.0
DFT-s-OFDM 16QAM	1	1	13.92	13.75	0-1	0.0
CP-OFDM OPSK	1	1	13.85	13.79	0-1.5	0.0

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Table 10-133

NR Band n77 DoD Ant H, K, C Measured P_{Limit} DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant H	16.25
SRS #3 Ant K	18.29
SRS #4 Ant C	17.08

Table 10-134

NR Band n77 Ant H, K, C Measured P_{Limit} DSI = 0/2 (Open, Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant H	16.93	17.52
SRS #3 Ant K	17.77	18.10
SRS #4 Ant C	17.48	17.16

Table 10-135

NR Band n77 DoD Ant H, K, C Measured P_{Limit} DSI = 1 (RCV On) - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant H	13.93
SRS #3 Ant K	15.22
SRS #4 Ant C	13.34

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Table 10-136
NR Band n77 Ant H, K, C Measured P_{Limit} DSI = 1 (RCV On) - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant H	15.06	15.19
SRS #3 Ant K	14.74	14.91
SRS #4 Ant C	13.70	13.14



Figure 10-4
Power Measurement Setup – NR FDD

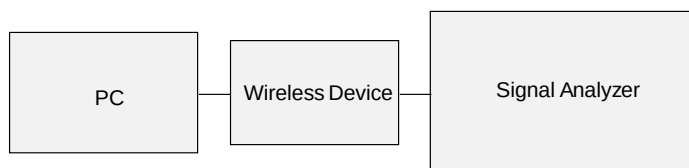


Figure 10-5
Power Measurement Setup – NR TDD

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10.5 NTN Band 255 Conducted Powers

Table 10-137
NTN Band b255 Antenna M Measured P_{limit} for DSI = 0/2 (Open, Free, Hotspot) - 20 MHz Bandwidth

SCS	SC Size	Channel	Frequency [MHz]	Conducted Power [dBm]	
				BPSK	QPSK
3.75kHz	1SC0	261505	1626.6	21.98	21.88
	1SC24	261505	1626.6	22.41	22.42
	1SC47	261505	1626.6	21.92	22.03
15kHz	1SC0	261505	1626.6	22.24	22.19
	1SC6	261505	1626.6	22.44	22.51
	1SC11	261505	1626.6	22.16	22.07
	3SC0	261505	1626.6	N/A	22.54
	3SC6	261505	1626.6	N/A	22.54
	3SC9	261505	1626.6	N/A	22.23
	6SC0	261505	1626.6	N/A	22.18
	6SC6	261505	1626.6	N/A	22.43
	12SC0	261505	1626.6	N/A	22.36
3.75kHz	1SC0	261674	1643.5	21.65	21.79
	1SC24	261674	1643.5	22.26	22.10
	1SC47	261674	1643.5	21.73	21.73
15kHz	1SC0	261674	1643.5	21.99	21.82
	1SC6	261674	1643.5	22.32	22.34
	1SC11	261674	1643.5	22.19	21.91
	3SC0	261674	1643.5	N/A	21.31
	3SC6	261674	1643.5	N/A	21.12
	3SC9	261674	1643.5	N/A	21.24
	6SC0	261674	1643.5	N/A	21.33
	6SC6	261674	1643.5	N/A	21.52
	12SC0	261674	1643.5	N/A	21.19
3.75kHz	1SC0	261843	1660.4	22.04	21.99
	1SC24	261843	1660.4	22.61	22.49
	1SC47	261843	1660.4	21.89	22.04
15kHz	1SC0	261843	1660.4	22.45	22.55
	1SC6	261843	1660.4	22.95	22.95
	1SC11	261843	1660.4	22.31	22.26
	3SC0	261843	1660.4	N/A	22.24
	3SC6	261843	1660.4	N/A	22.38
	3SC9	261843	1660.4	N/A	22.08
	6SC0	261843	1660.4	N/A	22.27
	6SC6	261843	1660.4	N/A	22.29
	12SC0	261843	1660.4	N/A	22.28

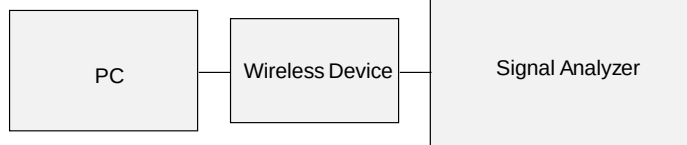


Figure 10-6
Power Measurement Setup – NTN

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10.6 WLAN Conducted Powers

Table 10-138
2.4 GHz WLAN Measured P_{max} Average RF Power for DSI = 0/2 (Open, Free, Hotspot) – Ant G

max Average Power for 20MHz SISO Ant G (dBm)

2.4GHz WIFI (20MHz 802.11b SISO Ant G)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	19.28
2437	6		19.77
2462	11		19.99
2.4GHz WIFI (20MHz 802.11g SISO Ant G)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.60
2437	6		17.21
2462	11		17.41
2.4GHz WIFI (20MHz 802.11n SISO Ant G)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.86
2437	6		17.48
2462	11		17.66
2.4GHz WIFI (20MHz 802.11ac SISO Ant G)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.92
2437	6		17.46
2462	11		17.62
2.4GHz WIFI (20MHz 802.11ax SISO Ant G)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.78
2437	6		17.30
2462	11		17.51
2.4GHz WIFI (20MHz 802.11be SISO Ant G)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.81
2437	6		17.35
2462	11		17.57

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Table 10-139
2.4 GHz WLAN Measured P_{max} Average RF Power for DSI = 0/2 (Open, Free, Hotspot) – Ant C

max Average Power for SISO Ant C (dBm)

2.4GHz WIFI (20MHz 802.11b SISO Ant C)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	19.99
2437	6		19.63
2462	11		19.97
2.4GHz WIFI (20MHz 802.11b SISO Ant C)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.70
2437	6		17.55
2462	11		17.67
2.4GHz WIFI (20MHz 802.11b SISO Ant C)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.99
2437	6		17.77
2462	11		17.94
2.4GHz WIFI (20MHz 802.11b SISO Ant C)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.95
2437	6		17.77
2462	11		17.96
2.4GHz WIFI (20MHz 802.11b SISO Ant C)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.79
2437	6		17.57
2462	11		17.86
2.4GHz WIFI (20MHz 802.11b SISO Ant C)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.81
2437	6		17.61
2462	11		17.85

Table 10-140
2.4 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 1 (RCV on) – Ant G

2.4GHz WIFI (20MHz 802.11b SISO Ant G)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	18.46
2437	6		17.95
2462	11		18.16

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Table 10-141

2.4 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 1 (RCV on) – Ant C

2.4GHz WIFI (20MHz 802.11b SISO Ant C)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	18.49
2437	6		18.03
2462	11		18.10

Table 10-142

2.4 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 3/4 (Closed, Free, Hotspot) – Ant G

2.4GHz WIFI (20MHz 802.11b SISO Ant G)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.97
2437	6		17.50
2462	11		17.71

Table 10-143

2.4 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 3/4 (Closed, Free, Hotspot) – Ant C

2.4GHz WIFI (20MHz 802.11b SISO Ant C)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.99
2437	6		17.82
2462	11		17.92

Table 10-144

2.4 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 3/4 (Closed, Free, Hotspot) – MIMO

2.4GHz WIFI (20MHz 802.11b MIMO)					
Freq [MHz]	Channel	Detector	Conducted Power [dBm]		
			Ant G	Ant C	MIMO
2412	1	Average	17.95	17.99	20.98
2437	6		17.35	17.65	20.51
2462	11		17.70	17.79	20.76

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Table 10-145
5 GHz WLAN Measured P_{max} Average RF Power for DSI = 0/2 (Open, Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) – Ant F

5GHz WIFI (40MHz 802.11n SISO ANT F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5190	38	13.40
	5230	46	16.68
5GHz WIFI (80MHz 802.11ac SISO ANT F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	15.12
UNII-2A	5290	58	16.94
UNII-2C	5530	106	16.44
	5610	122	16.59
	5690	138	16.72
UNII-3	5775	155	17.44
UNII-4	5855	171	17.56
5GHz WIFI (80MHz 802.11ax SISO ANT F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	13.15
UNII-2A	5290	58	17.35
UNII-2C	5530	106	16.80
	5610	122	16.88
	5690	138	17.12
UNII-3	5775	155	17.71
UNII-4	5855	171	17.92
5GHz WIFI (80MHz 802.11be SISO ANT F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	13.16
UNII-2A	5290	58	17.35
UNII-2C	5530	106	16.80
	5610	122	16.91
	5690	138	17.19
UNII-3	5775	155	17.78
UNII-4	5855	171	17.92

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Table 10-146
5 GHz WLAN Measured P_{max} Average RF Power for DSI = 0/2 (Open, Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) – Ant 1

5GHz WIFI (40MHz 802.11n SISO ANT 1)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5190	38	13.35
	5230	46	16.27
5GHz WIFI (80MHz 802.11ac SISO ANT 1)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	14.90
UNII-2A	5290	58	16.10
UNII-2C	5530	106	16.08
	5610	122	16.03
	5690	138	16.15
UNII-3	5775	155	16.11
UNII-4	5855	171	16.68
5GHz WIFI (80MHz 802.11ax SISO ANT 1)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	13.71
UNII-2A	5290	58	16.55
UNII-2C	5530	106	16.47
	5610	122	16.44
	5690	138	16.17
UNII-3	5775	155	16.54
UNII-4	5855	171	16.07
5GHz WIFI (80MHz 802.11be SISO ANT 1)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	13.75
UNII-2A	5290	58	16.58
UNII-2C	5530	106	16.50
	5610	122	16.48
	5690	138	16.17
UNII-3	5775	155	16.54
UNII-4	5855	171	16.10

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Table 10-147

5 GHz WLAN Measured P_{max} Average RF Power for DSI = 0/2 (Open, Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) – MIMO

5GHz WIFI (40MHz 802.11n MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT F	ANT I	MIMO
UNII-1	5190	38	13.40	13.40	16.41
	5230	46	16.69	16.26	19.49
5GHz WIFI (80MHz 802.11ac MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT F	ANT I	MIMO
UNII-1	5210	42	15.10	15.10	18.11
UNII-2A	5290	58	16.41	16.01	19.22
UNII-2C	5530	106	16.90	16.37	19.65
	5610	122	16.92	16.01	19.50
	5690	138	17.18	16.04	19.66
UNII-3	5775	155	16.89	16.04	19.50
UNII-4	5855	171	17.35	17.12	20.25

Table 10-148

5 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 1 (RCV on) – Ant F

5GHz WIFI (80MHz 802.11ac SISO ANT F)				
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]	
UNII-1	5210	42	15.48	
UNII-2A	5290	58	15.21	
UNII-2C	5530	106	14.86	
	5610	122	14.74	
	5690	138	14.92	
UNII-3	5775	155	15.62	
UNII-4	5855	171	15.72	

Table 10-149

5 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 1 (RCV on) – Ant I

5GHz WIFI (80MHz 802.11ac SISO ANT I)				
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]	
UNII-1	5210	42	15.88	
UNII-2A	5290	58	15.83	
UNII-2C	5530	106	15.71	
	5610	122	15.10	
	5690	138	15.41	
UNII-3	5775	155	15.78	
UNII-4	5855	171	15.73	

Table 10-150

5 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 1 (RCV on) – MIMO

5GHz WIFI (80MHz 802.11ac MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT1	ANT2	MIMO
UNII-1	5210	42	15.35	15.87	18.63
UNII-2A	5290	58	15.25	15.80	18.54
UNII-2C	5530	106	14.66	15.67	18.20
	5610	122	14.61	15.31	17.98
	5690	138	14.73	15.64	18.22
UNII-3	5775	155	15.55	15.82	18.70
UNII-4	5855	171	15.57	15.81	18.70

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Table 10-151
6 GHz WLAN Measured P_{max} Average RF Power for DSI = 3/4 (Closed, Free, Hotspot) – Ant F

6GHz WIFI (40MHz 802.11ax SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5965	3	16.79
	6285	67	16.53
UNII-7	6685	147	15.95
6GHz WIFI (40MHz 802.11be SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5965	3	16.58
	6285	67	16.20
UNII-7	6685	147	15.61
6GHz WIFI (80MHz 802.11ax SISO ANT F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-6	6465	103	15.19
UNII-8	7025	215	14.41
6GHz WIFI (80MHz 802.11be SISO ANT F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-6	6465	103	15.22
UNII-8	7025	215	14.42
6GHz WIFI (160MHz 802.11ax SISO ANT F) - VLP			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	11.88
	6345	79	11.32
UNII-6	6505	111	11.12
UNII-7	6665	143	10.62
UNII-8	6985	207	10.55
6GHz WIFI (160MHz 802.11be SISO ANT F) -VLP			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	11.60
	6345	79	11.13
UNII-6	6505	111	10.91
UNII-7	6665	143	10.44
UNII-8	6985	207	10.38

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Table 10-152
6 GHz WLAN Measured P_{max} Average RF Power for DSI = 3/4 (Closed, Free, Hotspot) – Ant I

6GHz WIFI (40MHz 802.11ax SISO ANT I)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5965	3	15.67
	6285	67	15.94
UNII-7	6685	147	16.59
6GHz WIFI (40MHz 802.11be SISO ANT I)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5965	3	15.47
	6285	67	15.56
UNII-7	6685	147	16.07
6GHz WIFI (80MHz 802.11ax SISO ANT I)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-6	6465	103	14.95
UNII-8	7025	215	15.23
6GHz WIFI (80MHz 802.11be SISO ANT I)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-6	6465	103	15.15
UNII-8	7025	215	15.15
6GHz WIFI (160MHz 802.11ax SISO ANT I) - VLP			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	11.34
	6345	79	11.68
UNII-6	6505	111	11.99
UNII-7	6665	143	11.60
UNII-8	6985	207	11.27
6GHz WIFI (160MHz 802.11be SISO ANT I) - VLP			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	11.11
	6345	79	11.43
UNII-6	6505	111	11.99
UNII-7	6665	143	10.86
UNII-8	6985	207	10.46

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Table 10-153
6 GHz WLAN Measured P_{max} Average RF Power for DSI = 3/4 (Closed, Free, Hotspot) – MIMO

6GHz WIFI (40MHz 802.11ax MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT F	ANT I	MIMO
UNII-5	5965	3	16.80	15.05	19.02
	6285	67	16.99	15.60	19.36
UNII-7	6685	147	16.35	16.44	19.41
6GHz WIFI (80MHz 802.11ax MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT F	ANT I	MIMO
UNII-6	6465	103	14.89	15.99	18.49
UNII-8	7025	215	14.41	15.61	18.06
6GHz WIFI (160MHz 802.11ax MIMO) - VLP					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT F	ANT I	MIMO
UNII-5	6025	15	11.88	11.13	14.53
	6345	79	11.85	11.85	14.86
UNII-6	6505	111	10.45	11.66	14.11
UNII-7	6665	143	10.74	11.99	14.42
UNII-8	6985	207	11.02	11.99	14.54
6GHz WIFI (160MHz 802.11be MIMO) - VLP					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT F	ANT I	MIMO
UNII-5	6025	15	11.63	10.93	14.30
	6345	79	11.56	11.68	14.63
UNII-6	6505	111	10.77	11.99	14.43
UNII-7	6665	143	10.50	11.82	14.22
UNII-8	6985	207	10.82	11.94	14.43

Table 10-154
6 GHz WLAN Measured P_{limit} Average RF Power for DSI = 0/2 (Open, Free, Hotspot) – Ant F

6GHz WIFI (160MHz 802.11ax SISO ANT F) - VLP			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	11.88
	6345	79	11.32
UNII-6	6505	111	11.12
UNII-7	6665	143	10.62
UNII-8	6985	207	10.55

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Table 10-155
6 GHz WLAN Measured P_{limit} Average RF Power for DSI = 0/2 (Open, Free, Hotspot) – Ant I

6GHz WIFI (160MHz 802.11ax SISO ANT I) - VLP			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	11.34
	6345	79	11.68
UNII-6	6505	111	11.99
UNII-7	6665	143	11.60
UNII-8	6985	207	11.27

Table 10-156
6 GHz WLAN Measured P_{limit} Average RF Power for DSI = 0/2 (Open, Free, Hotspot) – MIMO

6GHz WIFI (160MHz 802.11ax MIMO) - VLP					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT F	ANT I	MIMO
UNII-5	6025	15	11.88	11.13	14.53
	6345	79	11.85	11.85	14.86
UNII-6	6505	111	10.45	11.66	14.11
UNII-7	6665	143	10.74	11.99	14.42
UNII-8	6985	207	11.02	11.99	14.54

Table 10-157
6 GHz WLAN Measured P_{limit} Average RF Power for DSI = 1 (RCV On) – Ant F

6GHz WIFI (80MHz 802.11ax SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5985	7	15.63
	6305	71	15.45
UNII-6	6465	103	15.19
UNII-7	6705	151	14.34
UNII-8	7025	215	14.41

Table 10-158
6 GHz WLAN Measured P_{limit} Average RF Power for DSI = 1 (RCV On) – Ant I

6GHz WIFI (80MHz 802.11ax SISO ANT I)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5985	7	14.51
	6305	71	14.64
	6465	103	15.15
UNII-7	6705	151	15.06
UNII-8	7025	215	15.13

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Table 10-159
6 GHz WLAN Measured P_{limit} Average RF Power for DSI = 1 (RCV On) – MIMO

6GHz WIFI (80MHz 802.11ax MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT F	ANT I	MIMO
UNII-5	5985	7	15.90	15.56	18.74
	6305	71	15.49	15.81	18.66
UNII-6	6465	103	14.89	15.99	18.49
UNII-7	6705	151	14.39	15.75	18.13
UNII-8	7025	215	14.41	15.61	18.06

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.

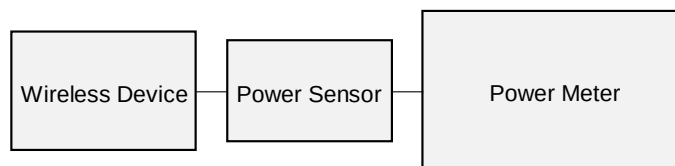


Figure 10-7
Power Measurement Setup

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10.7 Bluetooth Conducted Powers

Table 10-160
Bluetooth Measured P_{max} Average RF Power for DSI = 0/2 (Open. Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) – Ant G

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2402	1.0	0	17.60	57.544
2441	1.0	39	18.79	75.653
2480	1.0	78	18.13	65.024
2402	2.0	0	14.49	28.099
2441	2.0	39	15.99	39.724
2480	2.0	78	15.32	34.047
2402	3.0	0	14.46	27.910
2441	3.0	39	15.90	38.916
2480	3.0	78	15.43	34.953

Table 10-161
Bluetooth Measured P_{max} Average RF Power for DSI = 0/2 (Open. Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) – Ant C

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2402	1.0	0	18.29	67.443
2441	1.0	39	17.65	58.166
2480	1.0	78	17.45	55.602
2402	2.0	0	14.87	30.658
2441	2.0	39	14.30	26.939
2480	2.0	78	14.19	26.242
2402	3.0	0	15.10	32.349
2441	3.0	39	14.30	26.944
2480	3.0	78	14.09	25.665

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Table 10-162
Bluetooth Measured P_{max} Average RF Power for DSI = 0/2 (Open. Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) – Dual Tx

Frequency [MHz]	Data Rate [Mbps]	Channel No.	ANT1 Avg Conducted Power		ANT2 Avg Conducted Power		Dual Avg Conducted Power	
			[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]
2402	1.0	0	13.07	20.277	11.33	13.575	15.30	33.852
2441	1.0	39	14.92	31.062	11.76	15.002	16.63	46.064
2480	1.0	78	14.17	26.106	11.15	13.029	15.93	39.135
2402	2.0	0	10.08	10.196	8.61	7.257	12.42	17.453
2441	2.0	39	11.70	14.801	8.81	7.603	13.50	22.404
2480	2.0	78	11.48	14.069	8.02	6.345	13.10	20.413
2402	3.0	0	10.11	10.249	8.73	7.461	12.48	17.710
2441	3.0	39	11.76	15.013	8.80	7.581	13.54	22.594
2480	3.0	78	11.52	14.183	8.06	6.405	13.14	20.588

Table 10-163
Bluetooth Measured P_{Limit} Average RF Power for DSI = 1 (RCV On) – Ant G

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2402	1.0	0	14.62	28.973
2441	1.0	39	15.70	37.154
2480	1.0	78	14.34	27.164
2402	2.0	0	14.31	26.977
2441	2.0	39	15.07	32.137
2480	2.0	78	13.94	24.774
2402	3.0	0	14.15	26.002
2441	3.0	39	15.28	33.729
2480	3.0	78	14.16	26.062

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Table 10-164
Bluetooth Measured P_{Limit} Average RF Power for DSI = 1 (RCV On) – Ant C

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2402	1.0	0	15.03	31.842
2441	1.0	39	14.66	29.242
2480	1.0	78	15.83	38.282
2402	2.0	0	14.54	28.445
2441	2.0	39	13.88	24.434
2480	2.0	78	12.85	19.275
2402	3.0	0	14.56	28.576
2441	3.0	39	13.56	22.699
2480	3.0	78	12.87	19.364

Table 10-165
Bluetooth Measured P_{Limit} Average RF Power for DSI = 1 (RCV On) – Dual Tx

Frequency [MHz]	Data Rate [Mbps]	Channel No.	ANT1 Avg Conducted Power		ANT2 Avg Conducted Power		Dual Avg Conducted Power	
			[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]
2402	1.0	0	11.26	13.366	10.61	11.508	13.96	24.874
2441	1.0	39	12.28	16.904	10.93	12.388	14.67	29.292
2480	1.0	78	11.28	13.428	10.29	10.691	13.82	24.118

Table 10-166
Bluetooth LE Measured P_{max} Average RF Power for DSI = 0/2 (Open. Free, Hotspot), DSI = 3/4 (Closed, Free, Hotspot) – Ant G

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Bluetooth Mode	Peak Conducted Power	
				[dBm]	[mW]
2402	125 kbps	0	LE	9.68	9.285
2440	125 kbps	19	LE	11.47	14.038
2480	125 kbps	39	LE	10.97	12.511
2402	500 kbps	0	LE	9.65	9.230
2440	500 kbps	19	LE	10.77	11.940
2480	500 kbps	39	LE	11.02	12.644
2402	1 Mbps	0	LE	18.51	70.958
2440	1 Mbps	19	LE	19.98	99.541
2480	1 Mbps	39	LE	19.20	83.100
2402	2 Mbps	0	LE	18.88	77.232
2440	2 Mbps	19	LE	19.94	98.514
2480	2 Mbps	39	LE	19.57	90.573

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Table 10-167
Bluetooth LE Measured P_{max} Average RF Power for DSI = 0/2 (Open, Free, Hotspot),
DSI = 3/4 (Closed, Free, Hotspot) – Ant C

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Bluetooth Mode	Peak Conducted Power	
				[dBm]	[mW]
2402	125 kbps	0	LE	8.65	7.321
2440	125 kbps	19	LE	8.49	7.060
2480	125 kbps	39	LE	8.42	6.955
2402	500 kbps	0	LE	8.68	7.372
2440	500 kbps	19	LE	8.50	7.079
2480	500 kbps	39	LE	8.43	6.963
2402	1 Mbps	0	LE	18.62	72.812
2440	1 Mbps	19	LE	17.85	60.954
2480	1 Mbps	39	LE	17.95	62.359
2402	2 Mbps	0	LE	18.85	76.789
2440	2 Mbps	19	LE	18.02	63.372
2480	2 Mbps	39	LE	17.20	52.481



Figure 10-8
Bluetooth Antenna G Transmission Plot

Equation 10-1
Bluetooth Antenna G Duty Cycle Calculation

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.89\text{ms}}{3.75\text{ms}} * 100\% = 77.07\%$$

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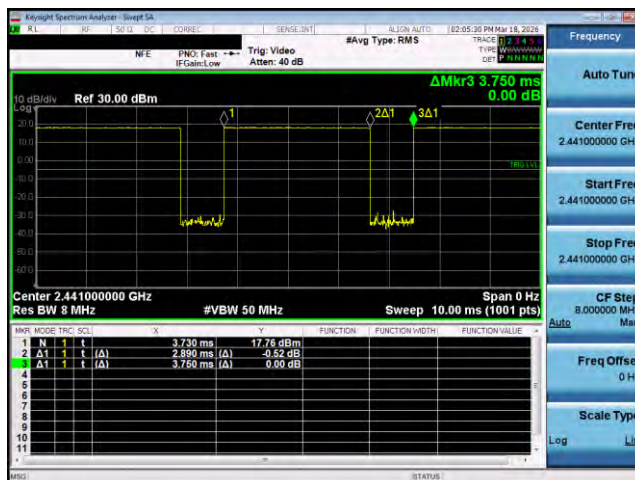


Figure 10-9
Bluetooth Antenna C Transmission Plot

Equation 10-2
Bluetooth Antenna C Duty Cycle Calculation

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.89\text{ms}}{3.75\text{ms}} * 100\% = 77.07\%$$



Figure 10-10
Bluetooth MIMO Transmission Plot

Equation 10-3
Bluetooth MIMO Duty Cycle Calculation

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.890\text{ms}}{3.750\text{ms}} * 100\% = 77.07\%$$

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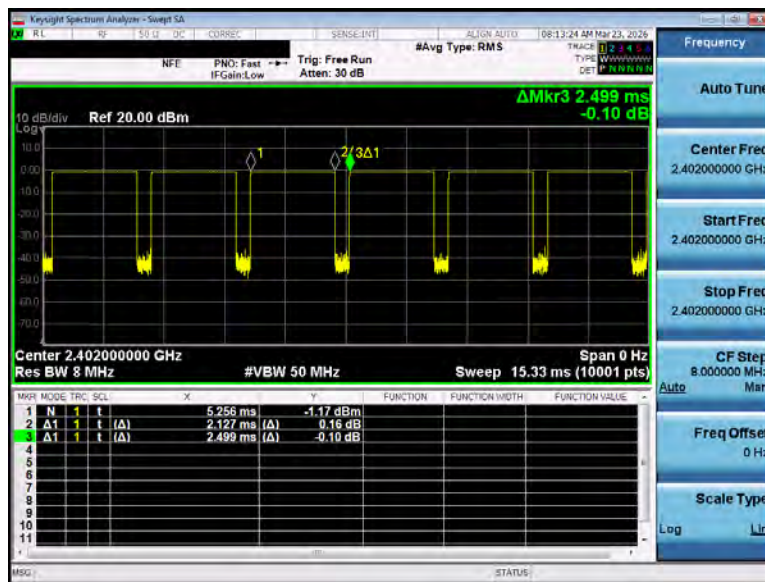


Figure 10-11
Bluetooth LE Antenna G Transmission Plot

Equation 10-4
Bluetooth LE Antenna G Duty Cycle Calculation

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.127\text{ms}}{2.499\text{ms}} * 100\% = 85.11\%$$

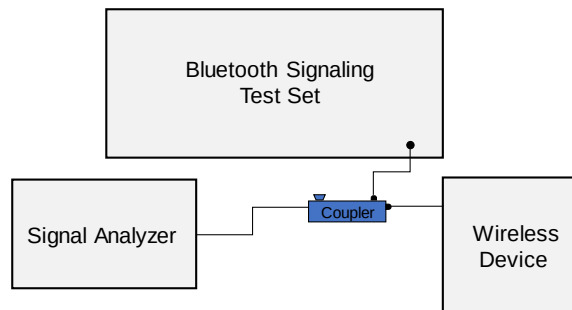


Figure 10-12
Power Measurement Setup

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11 SYSTEM VERIFICATION

11.1 Tissue Verification

Table 11-1
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
04/23/2026	30 Head	20.0	12	0.786	54.451	0.750	55.000	4.80%	-4.63%
			13	0.786	53.074	0.750	55.000	4.80%	-3.50%
			14	0.786	54.477	0.750	55.000	4.80%	-2.82%
			680	0.845	41.343	0.888	42.305	-4.84%	-2.27%
02/25/2026	750 Head	24.5	695	0.849	41.275	0.889	42.227	-4.50%	-2.25%
			710	0.853	41.207	0.890	42.149	-4.16%	-2.23%
			725	0.857	41.162	0.891	42.071	-3.82%	-2.16%
			750	0.866	41.133	0.894	41.942	-3.13%	-1.93%
			770	0.873	41.105	0.895	41.838	-2.46%	-1.75%
			785	0.879	41.055	0.896	41.760	-1.90%	-1.69%
			800	0.885	40.992	0.897	41.682	-1.34%	-1.66%
			680	0.860	40.588	0.888	42.305	-3.15%	-4.06%
			695	0.865	40.547	0.889	42.227	-2.70%	-3.98%
			710	0.869	40.523	0.890	42.149	-2.36%	-3.86%
03/05/2026	750 Head	23.5	725	0.874	40.496	0.891	42.071	-1.91%	-3.74%
			750	0.882	40.412	0.894	41.942	-1.34%	-3.65%
			770	0.890	40.335	0.895	41.838	-0.56%	-3.59%
			785	0.896	40.291	0.896	41.760	0.00%	-3.52%
			800	0.901	40.253	0.897	41.682	0.45%	-3.43%
			680	0.852	43.625	0.888	42.305	-4.05%	3.12%
			695	0.857	43.589	0.889	42.227	-3.60%	3.23%
			700	0.859	43.584	0.889	42.201	-3.37%	3.26%
			710	0.862	43.569	0.890	42.149	-3.15%	3.37%
			725	0.867	43.539	0.891	42.071	-2.69%	3.49%
03/09/2026	750 Head	20.0	750	0.876	43.450	0.894	41.942	-2.01%	3.60%
			770	0.884	43.377	0.895	41.838	-1.23%	3.68%
			785	0.890	43.337	0.896	41.760	-0.67%	3.78%
			800	0.895	43.305	0.897	41.682	-0.22%	3.89%
			680	0.879	40.323	0.888	42.305	-1.01%	-4.69%
			695	0.884	40.271	0.889	42.227	-0.56%	-4.63%
			700	0.885	40.257	0.889	42.201	-0.45%	-4.61%
			710	0.888	40.230	0.890	42.149	-0.22%	-4.55%
			725	0.893	40.192	0.891	42.071	0.22%	-4.47%
			750	0.902	40.114	0.894	41.942	0.89%	-4.36%
03/16/2026	750 Head	22.5	770	0.909	40.038	0.895	41.838	1.56%	-4.30%
			785	0.914	39.987	0.896	41.760	2.01%	-4.25%
			800	0.919	39.940	0.897	41.682	2.45%	-4.18%
			680	0.852	41.808	0.888	42.305	-4.05%	-1.17%
			695	0.857	41.758	0.889	42.227	-3.60%	-1.11%
			700	0.859	41.748	0.889	42.201	-3.37%	-1.07%
			710	0.862	41.726	0.890	42.149	-3.15%	-1.00%
			725	0.867	41.691	0.891	42.071	-2.69%	-0.90%
			750	0.876	41.620	0.894	41.942	-2.01%	-0.77%
			770	0.883	41.544	0.895	41.838	-1.34%	-0.70%
03/16/2026	750 Head	22.0	785	0.889	41.494	0.896	41.760	-0.78%	-0.64%
			800	0.894	41.445	0.897	41.682	-0.33%	-0.57%
			680	0.859	42.443	0.888	42.305	-3.27%	0.33%
			695	0.864	42.393	0.889	42.227	-2.81%	0.39%
			700	0.866	42.379	0.889	42.201	-2.59%	0.42%
			710	0.869	42.352	0.890	42.149	-2.36%	0.48%
			725	0.874	42.311	0.891	42.071	-1.91%	0.57%
			750	0.882	42.225	0.894	41.942	-1.34%	0.67%
			770	0.889	42.157	0.895	41.838	-0.67%	0.76%
			785	0.894	42.114	0.896	41.760	-0.22%	0.85%
03/23/2026	750 Head	22.8	800	0.899	42.075	0.897	41.682	0.22%	0.94%
			680	0.844	41.908	0.888	42.305	-4.95%	-0.94%
			695	0.849	41.902	0.889	42.227	-4.50%	-0.77%
			710	0.854	41.858	0.890	42.149	-4.04%	-0.69%
			725	0.860	41.825	0.891	42.071	-3.48%	-0.58%
			750	0.867	41.715	0.894	41.942	-3.02%	-0.54%
			770	0.872	41.669	0.895	41.838	-2.57%	-0.40%
			785	0.876	41.661	0.896	41.760	-2.23%	-0.24%
			800	0.880	41.650	0.897	41.682	-1.90%	-0.05%
			680	0.892	41.843	0.888	42.305	0.45%	-1.09%
04/07/2026	750 Head	23.5	695	0.895	41.758	0.889	42.227	0.67%	-1.11%
			700	0.897	41.730	0.889	42.201	0.90%	-1.12%
			710	0.900	41.675	0.890	42.149	1.12%	-1.12%
			725	0.905	41.615	0.891	42.071	1.57%	-1.08%
			750	0.915	41.588	0.894	41.942	2.35%	-0.84%
			770	0.922	41.564	0.895	41.838	3.02%	-0.65%
			785	0.926	41.511	0.896	41.760	3.35%	-0.60%
			800	0.930	41.432	0.897	41.682	3.68%	-0.60%
			680	0.862	41.708	0.888	42.305	-2.93%	-1.41%
			695	0.867	41.650	0.889	42.227	-2.47%	-1.37%
04/13/2026	750 Head	23.5	700	0.869	41.631	0.889	42.201	-2.25%	-1.35%
			710	0.872	41.597	0.890	42.149	-2.02%	-1.31%
			725	0.878	41.547	0.891	42.071	-1.46%	-1.25%
			750	0.887	41.473	0.894	41.942	-0.78%	-1.12%
			770	0.894	41.413	0.895	41.838	-0.11%	-1.02%
			785	0.899	41.363	0.896	41.760	0.33%	-0.95%
			800	0.905	41.306	0.897	41.682	0.89%	-0.90%
2026-04-13	750 Head	21.4	680	0.862	41.708	0.888	42.305	-2.93%	-1.41%
			695	0.867	41.650	0.889	42.227	-2.47%	-1.37%
			700	0.869	41.631	0.889	42.201	-2.25%	-1.35%
			710	0.872	41.597	0.890	42.149	-2.02%	-1.31%
			725	0.878	41.547	0.891	42.071	-1.46%	-1.25%
			750	0.887	41.473	0.894	41.942	-0.78%	-1.12%
			770	0.894	41.413	0.895	41.838	-0.11%	-1.02%
			785	0.899	41.363	0.896	41.760	0.33%	-0.95%
			800	0.905	41.306	0.897	41.682	0.89%	-0.90%

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Table 11-2
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% div σ	% div ϵ
04/16/2026	750 Head	20.5	680	0.850	42.734	0.888	42.305	-4.28%	1.01%
			695	0.854	42.670	0.889	42.227	-3.94%	1.05%
			700	0.856	42.652	0.889	42.201	-3.71%	1.07%
			710	0.860	42.619	0.890	42.149	-3.37%	1.12%
			725	0.865	42.577	0.891	42.071	-2.92%	1.20%
			750	0.873	42.511	0.894	41.942	-2.35%	1.36%
			770	0.883	42.445	0.895	41.838	-1.88%	1.45%
			785	0.885	42.389	0.896	41.760	-1.23%	1.51%
			800	0.891	42.338	0.897	41.682	-0.67%	1.57%
			815	0.895	42.372	0.898	41.594	-0.33%	1.67%
03/02/2026	835 Head	24.3	820	0.897	42.355	0.899	41.578	-0.22%	1.67%
			835	0.901	42.315	0.900	41.500	0.11%	1.96%
			850	0.907	42.282	0.916	41.500	-0.98%	1.91%
			815	0.875	41.231	0.898	41.594	-2.56%	-0.87%
			820	0.877	41.216	0.899	41.578	-2.45%	-0.87%
03/10/2026	835 Head	20.4	835	0.882	41.170	0.900	41.500	-2.00%	-0.80%
			850	0.887	41.125	0.916	41.500	-3.17%	-0.90%
			815	0.898	41.406	0.898	41.594	0.00%	-0.45%
			820	0.900	41.394	0.899	41.578	0.11%	-0.44%
03/16/2026	835 Head	22.0	835	0.905	41.358	0.900	41.500	0.56%	-0.34%
			850	0.911	41.326	0.916	41.500	-0.55%	-0.42%
			815	0.890	40.855	0.898	41.594	-0.89%	-1.78%
			820	0.891	40.845	0.899	41.578	-0.89%	-1.76%
04/02/2026	835 Head	22.1	835	0.897	40.814	0.900	41.500	-0.33%	-1.65%
			850	0.902	40.778	0.916	41.500	-1.53%	-1.74%
			815	0.898	41.357	0.898	41.594	0.00%	-0.57%
			820	0.900	41.348	0.899	41.578	0.11%	-0.55%
04/06/2026	835 Head	20.8	835	0.905	41.321	0.900	41.500	0.56%	-0.43%
			850	0.910	41.282	0.916	41.500	-0.68%	-0.50%
			815	0.910	41.256	0.898	41.594	1.34%	-0.81%
			820	0.912	41.242	0.899	41.578	1.45%	-0.81%
04/13/2026	835 Head	21.4	835	0.917	41.208	0.900	41.500	1.89%	-0.70%
			850	0.923	41.177	0.916	41.500	0.76%	-0.78%
			1610	1.236	41.424	1.290	40.300	-4.19%	2.79%
			1620	1.241	41.418	1.296	40.284	-4.24%	2.82%
04/30/2026	1640 Head	23.6	1640	1.249	41.403	1.307	40.253	-4.44%	2.86%
			1650	1.254	41.396	1.313	40.237	-4.49%	2.88%
			1700	1.282	39.904	1.343	40.145	-4.54%	-0.60%
			1705	1.285	39.899	1.345	40.141	-4.46%	-0.60%
03/05/2026	1750 Head	24.6	1710	1.287	39.899	1.348	40.136	-4.53%	-0.59%
			1720	1.293	39.887	1.354	40.126	-4.51%	-0.60%
			1745	1.306	39.841	1.368	40.087	-4.53%	-0.61%
			1750	1.309	39.831	1.371	40.079	-4.52%	-0.62%
			1770	1.321	39.791	1.383	40.047	-4.48%	-0.64%
			1790	1.332	39.765	1.394	40.016	-4.45%	-0.63%
			1700	1.282	41.575	1.343	40.145	-4.54%	3.56%
			1705	1.284	41.567	1.345	40.141	-4.54%	3.55%
			1710	1.287	41.559	1.348	40.136	-4.53%	3.55%
			1720	1.293	41.543	1.354	40.126	-4.51%	3.53%
03/09/2026	1750 Head	21.0	1745	1.306	41.508	1.368	40.087	-4.53%	3.54%
			1750	1.308	41.500	1.371	40.079	-4.68%	3.55%
			1770	1.318	41.465	1.383	40.047	-4.70%	3.54%
			1790	1.328	41.443	1.394	40.016	-4.73%	3.57%
			1700	1.310	41.481	1.343	40.145	-2.46%	3.33%
			1705	1.313	41.472	1.345	40.141	-2.38%	3.32%
			1710	1.316	41.465	1.348	40.136	-2.37%	3.31%
			1720	1.322	41.452	1.354	40.126	-2.36%	3.30%
			1745	1.338	41.418	1.368	40.087	-2.19%	3.32%
			1750	1.341	41.411	1.371	40.079	-2.19%	3.32%
03/16/2026	1750 Head	20.5	1770	1.353	41.375	1.383	40.047	-2.17%	3.32%
			1790	1.365	41.343	1.394	40.016	-2.08%	3.32%
			1700	1.279	41.517	1.343	40.145	-4.77%	3.42%
			1705	1.282	41.508	1.345	40.141	-4.68%	3.41%
			1710	1.285	41.500	1.348	40.136	-4.67%	3.40%
			1720	1.291	41.486	1.354	40.126	-4.65%	3.39%
			1745	1.304	41.451	1.368	40.087	-4.68%	3.40%
			1750	1.307	41.442	1.371	40.079	-4.67%	3.40%
			1770	1.318	41.401	1.383	40.047	-4.70%	3.38%
			1790	1.330	41.362	1.394	40.016	-4.59%	3.36%
03/18/2026	1750 Head	19.3	1700	1.282	39.043	1.343	40.145	-4.54%	-2.75%
			1705	1.285	39.036	1.345	40.141	-4.46%	-2.75%
			1710	1.287	39.030	1.348	40.136	-4.53%	-2.75%
			1720	1.293	39.018	1.354	40.126	-4.51%	-2.77%
			1745	1.307	38.990	1.368	40.087	-4.46%	-2.71%
			1750	1.310	38.994	1.371	40.079	-4.45%	-2.71%
			1770	1.321	38.978	1.383	40.047	-4.48%	-2.67%
			1790	1.332	38.948	1.394	40.016	-4.45%	-2.67%
			1700	1.296	40.300	1.343	40.145	-3.50%	0.39%
			1705	1.298	40.293	1.345	40.141	-3.49%	0.38%
04/20/2026	1750 Head	22.9	1710	1.301	40.286	1.348	40.136	-3.49%	0.37%
			1720	1.306	40.270	1.354	40.126	-3.55%	0.36%
			1745	1.317	40.234	1.368	40.087	-3.73%	0.37%
			1750	1.319	40.227	1.371	40.079	-3.79%	0.37%
			1770	1.329	40.213	1.383	40.047	-3.90%	0.41%
			1790	1.338	40.200	1.394	40.016	-4.02%	0.46%
			1700	1.277	42.003	1.343	40.145	-4.91%	4.63%
04/21/2026	1750 Head	20.4	1705	1.280	41.992	1.345	40.141	-4.83%	4.61%
			1710	1.283	41.982	1.348	40.136	-4.82%	4.60%
			1720	1.288	41.961	1.354	40.126	-4.87%	4.57%
			1745	1.303	41.910	1.368	40.087	-4.75%	4.55%
			1750	1.306	41.901	1.371	40.079	-4.74%	4.55%
			1770	1.317	41.863	1.383	40.047	-4.77%	4.53%
			1790	1.328	41.828	1.394	40.016	-4.73%	4.53%

FCC ID: A3LSMF776U	RF EXPOSURE PART 1 TEST REPORT			Approved by: Technical Manager
Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo. 		Page 131 of 198

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Table 11-3
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/05/2026	1900 Head	24.6	1850	1.363	39.674	1.400	40.000	-2.64%	-0.82%
			1860	1.369	39.667	1.400	40.000	-2.21%	-0.83%
			1880	1.380	39.652	1.400	40.000	-1.43%	-0.87%
			1900	1.390	39.632	1.400	40.000	-0.71%	-0.92%
			1905	1.393	39.623	1.400	40.000	-0.50%	-0.94%
			1910	1.395	39.611	1.400	40.000	-0.36%	-0.97%
			1920	1.401	39.584	1.400	40.000	0.07%	-1.04%
			1850	1.366	41.496	1.400	40.000	-2.43%	3.71%
			1860	1.372	41.468	1.400	40.000	-2.00%	3.67%
			1880	1.385	41.449	1.400	40.000	-1.07%	3.62%
03/16/2026	1900 Head	20.7	1900	1.398	41.439	1.400	40.000	-0.14%	3.60%
			1905	1.401	41.435	1.400	40.000	0.07%	3.59%
			1910	1.405	41.430	1.400	40.000	0.36%	3.58%
			1920	1.411	41.412	1.400	40.000	0.79%	3.53%
			1850	1.391	39.280	1.400	40.000	-0.64%	-1.80%
			1860	1.396	39.269	1.400	40.000	-0.29%	-1.83%
			1880	1.408	39.256	1.400	40.000	0.57%	-1.86%
			1900	1.422	39.253	1.400	40.000	1.57%	-1.87%
			1905	1.425	39.251	1.400	40.000	1.79%	-1.87%
			1910	1.429	39.247	1.400	40.000	2.07%	-1.88%
03/23/2026	1900 Head	20.4	1920	1.436	39.236	1.400	40.000	2.57%	-1.91%
			1850	1.406	41.532	1.400	40.000	0.43%	3.83%
			1860	1.412	41.519	1.400	40.000	0.88%	3.80%
			1880	1.425	41.507	1.400	40.000	1.79%	3.77%
			1900	1.439	41.505	1.400	40.000	2.79%	3.70%
			1905	1.442	41.504	1.400	40.000	3.07%	3.76%
			1910	1.446	41.502	1.400	40.000	3.29%	3.76%
			1920	1.453	41.491	1.400	40.000	3.79%	3.73%
			1850	1.384	41.909	1.400	40.000	-1.14%	4.77%
			1860	1.390	41.896	1.400	40.000	-0.71%	4.74%
04/08/2026	1900 Head	20.0	1880	1.401	41.885	1.400	40.000	0.07%	4.71%
			1900	1.414	41.879	1.400	40.000	1.00%	4.70%
			1905	1.417	41.875	1.400	40.000	1.21%	4.69%
			1910	1.420	41.871	1.400	40.000	1.43%	4.68%
			1920	1.427	41.859	1.400	40.000	1.93%	4.65%
			1850	1.376	41.460	1.400	40.000	-1.71%	3.65%
			1860	1.381	41.449	1.400	40.000	-1.36%	3.62%
			1880	1.392	41.428	1.400	40.000	-0.57%	3.57%
			1900	1.400	41.406	1.400	40.000	0.00%	3.52%
			1905	1.403	41.397	1.400	40.000	0.21%	3.49%
04/09/2026	1900 Head	22.0	1910	1.405	41.389	1.400	40.000	0.36%	3.47%
			1920	1.408	41.373	1.400	40.000	0.57%	3.43%
			1850	1.410	40.952	1.400	40.000	0.71%	1.38%
			1860	1.417	40.939	1.400	40.000	1.21%	1.39%
			1880	1.430	40.911	1.400	40.000	2.14%	1.28%
			1900	1.444	40.484	1.400	40.000	3.14%	1.21%
			1905	1.447	40.477	1.400	40.000	3.36%	1.19%
			1910	1.451	40.470	1.400	40.000	3.64%	1.18%
			1920	1.457	40.455	1.400	40.000	4.07%	1.14%
			2300	1.744	39.023	1.670	39.500	4.43%	-1.21%
03/05/2026	2450 Head	20.8	2310	1.749	39.018	1.679	39.480	4.17%	-1.17%
			2320	1.754	39.008	1.687	39.460	3.97%	-1.15%
			2400	1.803	38.923	1.756	39.289	2.68%	-0.93%
			2450	1.831	38.868	1.800	39.200	1.72%	-0.85%
			2480	1.850	38.831	1.833	39.162	0.93%	-0.85%
			2500	1.861	38.805	1.855	39.136	0.32%	-0.85%
			2510	1.866	38.794	1.866	39.123	0.00%	-0.84%
			2535	1.881	38.764	1.893	39.092	-0.63%	-0.84%
			2550	1.891	38.744	1.909	39.073	-0.94%	-0.84%
			2560	1.896	38.736	1.920	39.060	-1.25%	-0.83%
03/10/2026	2450 Head	19.5	2600	1.920	38.694	1.964	39.009	-2.24%	-0.81%
			2650	1.954	38.646	2.018	38.945	-3.17%	-0.77%
			2680	1.972	38.599	2.051	38.907	-3.85%	-0.79%
			2700	1.983	38.565	2.073	38.882	-4.34%	-0.82%
			2300	1.652	41.212	1.670	39.500	-1.08%	4.33%
			2310	1.659	41.204	1.679	39.480	-1.19%	4.37%
			2320	1.666	41.190	1.687	39.460	-1.24%	4.38%
			2400	1.728	41.073	1.756	39.289	-1.59%	4.54%
			2450	1.770	40.980	1.800	39.200	-1.67%	4.54%
			2480	1.794	40.950	1.833	39.162	-2.13%	4.57%
03/10/2026	2450 Head	19.5	2500	1.809	40.928	1.855	39.136	-2.48%	4.58%
			2510	1.816	40.904	1.866	39.123	-2.68%	4.55%
			2535	1.838	40.858	1.893	39.092	-2.91%	4.52%
			2550	1.851	40.836	1.909	39.073	-3.04%	4.51%
			2560	1.859	40.818	1.920	39.060	-3.18%	4.50%
			2600	1.888	40.742	1.964	39.009	-3.87%	4.44%
			2650	1.932	40.676	2.018	38.945	-4.26%	4.44%
			2680	1.956	40.623	2.051	38.907	-4.63%	4.41%
			2700	1.974	40.584	2.073	38.882	-4.78%	4.38%

Table 11-4
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/11/2026	2450 Head	20.9	2300	1.699	40.784	1.670	39.500	1.74%	3.25%
			2310	1.706	40.769	1.679	39.480	1.61%	3.26%
			2320	1.714	40.757	1.687	39.460	1.60%	3.29%
			2400	1.774	40.649	1.756	39.289	1.03%	3.46%
			2450	1.814	40.564	1.800	39.200	0.78%	3.48%
			2480	1.837	40.515	1.833	39.162	0.22%	3.45%
			2500	1.852	40.487	1.855	39.136	-0.16%	3.45%
			2510	1.861	40.473	1.866	39.123	-0.27%	3.45%
			2535	1.882	40.430	1.893	39.092	-0.58%	3.42%
			2550	1.895	40.407	1.909	39.073	-0.73%	3.41%
			2560	1.904	40.389	1.920	39.060	-0.83%	3.40%
			2600	1.936	40.328	1.964	39.009	-1.43%	3.38%
			2650	1.978	40.218	2.018	38.945	-1.98%	3.27%
			2680	2.006	40.167	2.051	38.907	-2.19%	3.24%
			2700	2.022	40.148	2.073	38.882	-2.46%	3.26%
03/16/2026	2450 Head	19.0	2300	1.637	40.545	1.670	39.500	-1.98%	2.65%
			2310	1.643	40.530	1.679	39.480	-2.14%	2.66%
			2320	1.650	40.514	1.687	39.460	-2.19%	2.67%
			2400	1.713	40.373	1.756	39.289	-2.45%	2.76%
			2450	1.757	40.294	1.800	39.200	-2.39%	2.79%
			2480	1.781	40.257	1.833	39.162	-2.84%	2.80%
			2500	1.797	40.211	1.855	39.136	-3.13%	2.75%
			2510	1.806	40.183	1.866	39.123	-3.22%	2.71%
			2535	1.832	40.145	1.893	39.092	-3.22%	2.69%
			2550	1.845	40.134	1.909	39.073	-3.35%	2.72%
			2560	1.852	40.118	1.920	39.060	-3.54%	2.71%
			2600	1.883	40.008	1.964	39.009	-4.12%	2.56%
			2650	1.928	39.946	2.018	38.945	-4.46%	2.57%
			2680	1.953	39.844	2.051	38.907	-4.78%	2.41%
			2700	1.975	39.795	2.073	38.882	-4.73%	2.35%
03/16/2026	2450 Head	20.5	2300	1.661	38.718	1.670	39.500	-0.54%	-1.98%
			2310	1.670	38.714	1.679	39.480	-0.54%	-1.94%
			2320	1.677	38.712	1.687	39.460	-0.59%	-1.90%
			2400	1.735	38.584	1.756	39.289	-1.20%	-1.79%
			2450	1.775	38.542	1.800	39.200	-1.39%	-1.68%
			2480	1.796	38.482	1.833	39.162	-2.02%	-1.74%
			2500	1.812	38.443	1.855	39.136	-2.32%	-1.77%
			2510	1.820	38.428	1.866	39.123	-2.47%	-1.78%
			2535	1.841	38.399	1.893	39.092	-2.75%	-1.77%
			2550	1.854	38.383	1.909	39.073	-2.88%	-1.77%
			2560	1.862	38.367	1.920	39.060	-3.02%	-1.77%
			2600	1.892	38.293	1.964	39.009	-3.67%	-1.84%
			2650	1.932	38.192	2.018	38.945	-4.26%	-1.93%
			2680	1.956	38.153	2.051	38.907	-4.63%	-1.94%
			2700	1.972	38.133	2.073	38.882	-4.87%	-1.93%
03/16/2026	2450 Head	21.0	2300	1.640	40.916	1.670	39.500	-1.80%	3.58%
			2310	1.647	40.914	1.679	39.480	-1.91%	3.63%
			2320	1.654	40.908	1.687	39.460	-1.96%	3.67%
			2400	1.717	40.833	1.756	39.289	-2.22%	3.93%
			2450	1.758	40.757	1.800	39.200	-2.33%	3.97%
			2480	1.783	40.737	1.833	39.162	-2.73%	4.02%
			2500	1.798	40.705	1.855	39.136	-3.07%	4.01%
			2510	1.806	40.683	1.866	39.123	-3.22%	3.99%
			2535	1.830	40.636	1.893	39.092	-3.33%	3.95%
			2550	1.845	40.619	1.909	39.073	-3.35%	3.96%
			2560	1.853	40.607	1.920	39.060	-3.49%	3.96%
			2600	1.885	40.528	1.964	39.009	-4.02%	3.89%
			2650	1.931	40.455	2.018	38.945	-4.31%	3.88%
			2680	1.955	40.378	2.051	38.907	-4.68%	3.78%
			2700	1.974	40.335	2.073	38.882	-4.78%	3.74%
03/19/2026	2450 Head	19.0	2300	1.659	40.367	1.670	39.500	-0.66%	2.19%
			2310	1.668	40.346	1.679	39.480	-0.66%	2.19%
			2320	1.675	40.329	1.687	39.460	-0.71%	2.20%
			2400	1.732	40.206	1.756	39.289	-1.37%	2.33%
			2450	1.768	40.122	1.800	39.200	-1.78%	2.35%
			2480	1.790	40.066	1.833	39.162	-2.35%	2.31%
			2500	1.808	40.032	1.855	39.136	-2.53%	2.29%
			2510	1.818	40.017	1.866	39.123	-2.57%	2.29%
			2535	1.839	39.964	1.893	39.092	-2.85%	2.23%
			2550	1.851	39.941	1.909	39.073	-3.04%	2.22%
			2560	1.858	39.930	1.920	39.060	-3.23%	2.23%
			2600	1.888	39.871	1.964	39.009	-3.87%	2.21%
			2650	1.933	39.778	2.018	38.945	-4.21%	2.14%
			2680	1.959	39.729	2.051	38.907	-4.49%	2.11%
			2700	1.975	39.691	2.073	38.882	-4.73%	2.08%
03/23/2026	2450 Head	19.5	2300	1.739	38.321	1.670	39.500	4.13%	-2.98%
			2310	1.747	38.303	1.679	39.480	4.05%	-2.98%
			2320	1.755	38.286	1.687	39.460	4.03%	-2.98%
			2400	1.822	38.088	1.756	39.289	3.76%	-3.06%
			2450	1.863	37.973	1.800	39.200	3.50%	-3.13%
			2480	1.890	37.915	1.833	39.162	3.11%	-3.18%
			2500	1.906	37.875	1.855	39.136	2.75%	-3.22%
			2510	1.913	37.851	1.866	39.123	2.52%	-3.25%
			2535	1.930	37.788	1.893	39.092	1.95%	-3.34%
			2550	1.942	37.753	1.909	39.073	1.73%	-3.38%
			2560	1.950	37.729	1.920	39.060	1.56%	-3.41%
			2600	1.988	37.681	1.964	39.009	1.22%	-3.40%
			2650	2.026	37.601	2.018	38.945	0.40%	-3.45%
			2680	2.048	37.523	2.051	38.907	-0.15%	-3.56%
			2700	2.065	37.499	2.073	38.882	-0.39%	-3.56%

Table 11-5
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/23/2026	2450 Head	19.0	2300	1.659	41.029	1.670	39.500	-0.66%	3.87%
			2310	1.667	41.026	1.679	39.480	-0.71%	3.92%
			2320	1.674	41.020	1.687	39.460	-0.77%	3.95%
			2400	1.736	40.946	1.756	39.289	-1.14%	4.22%
			2450	1.777	40.875	1.800	39.200	-1.28%	4.27%
			2480	1.803	40.845	1.833	39.162	-1.64%	4.30%
			2500	1.820	40.816	1.855	39.136	-1.89%	4.29%
			2510	1.829	40.797	1.866	39.123	-1.98%	4.28%
			2535	1.854	40.757	1.893	39.092	-2.06%	4.26%
			2550	1.868	40.740	1.909	39.073	-2.15%	4.27%
			2560	1.877	40.729	1.920	39.060	-2.24%	4.27%
			2600	1.910	40.643	1.964	39.009	-2.75%	4.19%
			2650	1.957	40.555	2.018	38.945	-3.02%	4.13%
			2680	1.982	40.488	2.051	38.907	-3.36%	4.06%
			2700	2.000	40.450	2.073	38.882	-3.52%	4.03%
			2300	1.660	39.222	1.670	39.500	-0.60%	-0.70%
			2310	1.668	39.211	1.679	39.480	-0.66%	-0.68%
			2320	1.675	39.198	1.687	39.460	-0.71%	-0.66%
			2400	1.736	39.060	1.756	39.289	-1.14%	-0.58%
			2450	1.773	38.960	1.800	39.200	-1.50%	-0.61%
04/01/2026	2450 Head	20.0	2480	1.796	38.925	1.833	39.162	-2.02%	-0.61%
			2500	1.810	38.892	1.855	39.136	-2.43%	-0.62%
			2510	1.817	38.873	1.866	39.123	-2.63%	-0.64%
			2535	1.839	38.824	1.893	39.092	-2.85%	-0.69%
			2550	1.851	38.806	1.909	39.073	-3.04%	-0.68%
			2560	1.859	38.796	1.920	39.060	-3.18%	-0.68%
			2600	1.890	38.718	1.964	39.009	-3.77%	-0.75%
			2650	1.931	38.646	2.018	38.945	-4.31%	-0.77%
			2680	1.953	38.581	2.051	38.907	-4.78%	-0.84%
			2700	1.970	38.541	2.073	38.882	-4.97%	-0.88%
			2300	1.701	39.994	1.670	39.500	1.86%	1.25%
			2310	1.709	39.981	1.679	39.480	1.79%	1.27%
			2320	1.716	39.973	1.687	39.460	1.72%	1.30%
			2400	1.778	39.867	1.756	39.289	1.25%	1.47%
			2450	1.818	39.781	1.800	39.200	1.00%	1.48%
			2480	1.841	39.740	1.833	39.162	0.44%	1.48%
			2500	1.857	39.713	1.855	39.136	0.11%	1.47%
			2510	1.865	39.696	1.866	39.123	-0.05%	1.46%
			2535	1.885	39.653	1.893	39.092	-0.42%	1.44%
			2550	1.897	39.627	1.909	39.073	-0.63%	1.42%
04/09/2026	2450 Head	20.3	2560	1.906	39.606	1.920	39.060	-0.73%	1.40%
			2600	1.938	39.538	1.964	39.009	-1.32%	1.36%
			2650	1.977	39.448	2.018	38.945	-2.03%	1.29%
			2680	2.002	39.398	2.051	38.907	-2.39%	1.26%
			2700	2.017	39.379	2.073	38.882	-2.70%	1.28%
			2300	1.651	40.252	1.670	39.500	-1.14%	1.90%
			2310	1.657	40.230	1.679	39.480	-1.31%	1.90%
			2320	1.663	40.209	1.687	39.460	-1.42%	1.90%
			2400	1.721	40.137	1.756	39.289	-1.99%	2.16%
			2450	1.760	40.050	1.800	39.200	-2.22%	2.17%
			2480	1.788	40.039	1.833	39.162	-2.45%	2.24%
			2500	1.802	40.024	1.855	39.136	-2.86%	2.27%
			2510	1.809	40.006	1.866	39.123	-3.05%	2.26%
			2535	1.829	39.945	1.893	39.092	-3.38%	2.18%
			2550	1.843	39.910	1.909	39.073	-3.46%	2.14%
			2560	1.853	39.895	1.920	39.060	-3.49%	2.14%
			2600	1.887	39.846	1.964	39.009	-3.92%	2.15%
			2650	1.927	39.732	2.018	38.945	-4.51%	2.02%
			2680	1.954	39.678	2.051	38.907	-4.73%	1.98%
			2700	1.970	39.648	2.073	38.882	-4.97%	1.97%
04/20/2026	2450 Head	19.8	2300	1.696	39.766	1.670	39.500	1.56%	0.67%
			2310	1.704	39.750	1.679	39.480	1.49%	0.68%
			2320	1.711	39.736	1.687	39.460	1.42%	0.70%
			2400	1.773	39.614	1.756	39.289	0.97%	0.83%
			2450	1.812	39.525	1.800	39.200	0.67%	0.83%
			2480	1.835	39.477	1.833	39.162	0.11%	0.80%
			2500	1.851	39.447	1.855	39.136	-0.22%	0.79%
			2510	1.859	39.429	1.866	39.123	-0.38%	0.78%
			2535	1.880	39.382	1.893	39.092	-0.69%	0.74%
			2550	1.892	39.362	1.909	39.073	-0.89%	0.74%
			2560	1.900	39.346	1.920	39.060	-1.04%	0.73%
			2600	1.932	39.285	1.964	39.009	-1.63%	0.71%
			2650	1.973	39.193	2.018	38.945	-2.23%	0.64%
			2680	1.998	39.143	2.051	38.907	-2.58%	0.61%
			2700	2.014	39.120	2.073	38.882	-2.85%	0.61%
			2300	1.711	40.420	1.670	39.500	2.46%	2.33%
			2310	1.718	40.401	1.679	39.480	2.32%	2.33%
			2320	1.727	40.383	1.687	39.460	2.37%	2.34%
			2400	1.790	40.265	1.756	39.289	1.94%	2.48%
			2450	1.832	40.177	1.800	39.200	1.78%	2.49%
04/21/2026	2450 Head	19.7	2480	1.855	40.126	1.833	39.162	1.20%	2.46%
			2500	1.871	40.081	1.855	39.136	0.86%	2.41%
			2510	1.880	40.060	1.866	39.123	0.75%	2.40%
			2535	1.902	40.027	1.893	39.092	0.48%	2.39%
			2550	1.914	40.012	1.909	39.073	0.26%	2.40%
			2560	1.922	39.999	1.920	39.060	0.10%	2.40%
			2600	1.954	39.908	1.964	39.009	-0.51%	2.30%
			2650	1.998	39.840	2.018	38.945	-0.99%	2.30%
			2680	2.021	39.784	2.051	38.907	-1.46%	2.25%
			2700	2.038	39.739	2.073	38.882	-1.69%	2.20%

Table 11-6
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
04/22/2026	2450 Head	20.3	2300	1.662	41.282	1.670	39.500	-0.48%	4.51%
			2310	1.669	41.267	1.679	39.480	-0.60%	4.53%
			2320	1.677	41.251	1.687	39.460	-0.59%	4.54%
			2400	1.740	41.130	1.756	39.289	-0.91%	4.69%
			2450	1.781	41.046	1.800	39.200	-1.06%	4.71%
			2480	1.804	40.997	1.833	39.162	-1.58%	4.69%
			2500	1.819	40.960	1.855	39.136	-1.94%	4.66%
			2510	1.828	40.943	1.866	39.123	-2.04%	4.65%
			2535	1.849	40.906	1.893	39.092	-2.32%	4.64%
			2550	1.861	40.884	1.909	39.073	-2.51%	4.63%
			2560	1.869	40.870	1.920	39.060	-2.66%	4.63%
			2600	1.902	40.808	1.964	39.009	-3.16%	4.61%
			2650	1.945	40.736	2.018	38.945	-3.62%	4.60%
			2680	1.971	40.686	2.051	38.907	-3.90%	4.57%
			2700	1.989	40.652	2.073	38.882	-4.05%	4.55%
			2300	1.646	40.453	1.670	39.500	-1.44%	2.41%
			2310	1.655	40.444	1.679	39.480	-1.43%	2.44%
			2320	1.663	40.433	1.687	39.460	-1.42%	2.47%
			2400	1.726	40.314	1.756	39.289	-1.71%	2.61%
			2450	1.766	40.207	1.800	39.200	-1.89%	2.57%
04/23/2026	2450 Head	19.0	2480	1.791	40.162	1.833	39.162	-2.29%	2.55%
			2500	1.806	40.141	1.855	39.136	-2.64%	2.57%
			2510	1.814	40.124	1.866	39.123	-2.79%	2.56%
			2535	1.835	40.086	1.893	39.092	-3.06%	2.54%
			2550	1.848	40.059	1.909	39.073	-3.20%	2.52%
			2560	1.856	40.035	1.920	39.060	-3.33%	2.50%
			2600	1.889	39.964	1.964	39.009	-3.82%	2.45%
			2650	1.931	39.888	2.018	38.945	-4.31%	2.42%
			2680	1.959	39.832	2.051	38.907	-4.49%	2.38%
			2700	1.975	39.809	2.073	38.882	-4.73%	2.38%
			2300	1.640	40.333	1.670	39.500	-1.80%	2.11%
			2310	1.648	40.309	1.679	39.480	-1.85%	2.10%
			2320	1.656	40.286	1.687	39.460	-1.84%	2.09%
			2400	1.727	40.147	1.756	39.289	-1.65%	2.18%
			2450	1.764	39.990	1.800	39.200	-2.00%	2.02%
			2480	1.792	39.903	1.833	39.162	-2.24%	1.89%
			2500	1.812	39.866	1.855	39.136	-2.32%	1.87%
			2510	1.821	39.847	1.866	39.123	-2.41%	1.85%
			2535	1.841	39.787	1.893	39.092	-2.75%	1.78%
			2550	1.852	39.739	1.909	39.073	-2.99%	1.70%
04/27/2026	2450 Head	19.0	2560	1.860	39.698	1.920	39.060	-3.12%	1.63%
			2600	1.895	39.564	1.964	39.009	-3.51%	1.42%
			2650	1.941	39.447	2.018	38.945	-3.82%	1.29%
			2680	1.963	39.344	2.051	38.907	-4.29%	1.12%
			2700	1.976	39.273	2.073	38.882	-4.68%	1.01%
			3300	2.703	36.801	2.708	38.157	-0.18%	-3.55%
			3350	2.733	36.754	2.759	38.100	-0.94%	-3.53%
			3450	2.811	36.605	2.861	37.986	-1.75%	-3.64%
			3500	2.850	36.576	2.913	37.929	-2.16%	-3.57%
			3550	2.895	36.491	2.964	37.871	-2.33%	-3.64%
			3560	2.904	36.484	2.974	37.860	-2.35%	-3.63%
			3600	2.933	36.444	3.015	37.814	-2.72%	-3.62%
			3650	2.979	36.387	3.066	37.757	-2.84%	-3.63%
			3690	3.009	36.329	3.107	37.711	-3.15%	-3.66%
			3700	3.020	36.309	3.117	37.700	-3.11%	-3.69%
			3750	3.056	36.270	3.169	37.643	-3.57%	-3.65%
			3900	3.185	36.072	3.323	37.471	-4.15%	-3.73%
			3930	3.209	36.010	3.353	37.437	-4.29%	-3.81%
			4100	3.361	35.812	3.528	37.243	-4.73%	-3.84%
03/16/2026	3600 Head	20.4	4150	3.413	35.757	3.579	37.186	-4.64%	-3.84%
			3300	2.719	36.613	2.708	38.157	0.41%	-4.05%
			3350	2.752	36.547	2.759	38.100	-0.25%	-4.08%
			3450	2.828	36.377	2.861	37.986	-1.15%	-4.24%
			3500	2.866	36.335	2.913	37.929	-1.61%	-4.20%
			3550	2.907	36.255	2.964	37.871	-1.92%	-4.27%
			3560	2.915	36.249	2.974	37.860	-1.98%	-4.26%
			3600	2.944	36.204	3.015	37.814	-2.35%	-4.26%
			3650	2.985	36.158	3.066	37.757	-2.64%	-4.23%
			3690	3.017	36.099	3.107	37.711	-2.90%	-4.27%
			3700	3.025	36.089	3.117	37.700	-2.95%	-4.27%
			3750	3.061	36.044	3.169	37.643	-3.41%	-4.25%
			3900	3.194	35.866	3.323	37.471	-3.88%	-4.28%
			3930	3.218	35.808	3.353	37.437	-4.03%	-4.35%
			4100	3.376	35.591	3.528	37.243	-4.31%	-4.44%
			4150	3.428	35.540	3.579	37.186	-4.22%	-4.43%
			3300	2.751	37.526	2.708	38.157	1.59%	-1.65%
			3350	2.785	37.489	2.759	38.100	0.94%	-1.60%
			3450	2.861	37.333	2.861	37.986	0.00%	-1.72%
			3500	2.904	37.237	2.913	37.929	-0.31%	-1.82%
04/20/2026	3600 Head	20.7	3550	2.939	37.199	2.964	37.871	-0.84%	-1.77%
			3560	2.948	37.173	2.974	37.860	-0.87%	-1.81%
			3600	2.983	37.118	3.015	37.814	-1.06%	-1.84%
			3650	3.022	37.060	3.066	37.757	-1.44%	-1.85%
			3690	3.057	37.008	3.107	37.711	-1.61%	-1.86%
			3700	3.065	36.999	3.117	37.700	-1.67%	-1.86%
			3750	3.104	36.930	3.169	37.643	-2.05%	-1.89%
			3900	3.235	36.763	3.323	37.471	-2.65%	-1.89%
			3930	3.258	36.700	3.353	37.437	-2.83%	-1.97%
			4100	3.419	36.488	3.528	37.243	-3.09%	-2.03%
			4150	3.465	36.393	3.579	37.186	-3.19%	-2.13%

FCC ID: A3LSMF776U	RF EXPOSURE PART 1 TEST REPORT			Approved by: Technical Manager
Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 135 of 198



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Table 11-7
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
04/23/2026	3600 Head	21.9	3300	2.842	39.013	2.708	38.157	4.95%	2.24%
			3350	2.878	38.955	2.759	38.100	4.31%	2.24%
			3450	2.951	38.828	2.861	37.986	3.15%	2.22%
			3500	2.987	38.771	2.913	37.929	2.54%	2.22%
			3550	3.025	38.709	2.964	37.871	2.06%	2.21%
			3560	3.034	38.695	2.974	37.860	2.02%	2.21%
			3600	3.065	38.659	3.015	37.814	1.66%	2.23%
			3650	3.107	38.596	3.066	37.757	1.34%	2.22%
			3690	3.140	38.551	3.107	37.711	1.06%	2.23%
			3700	3.149	38.541	3.117	37.700	1.03%	2.23%
			3750	3.191	38.478	3.169	37.643	0.69%	2.22%
			3900	3.324	38.294	3.323	37.471	0.03%	2.20%
			3930	3.348	38.268	3.353	37.437	-0.15%	2.22%
			4100	3.497	38.077	3.528	37.243	-0.88%	2.24%
			4150	3.541	37.986	3.579	37.186	-1.06%	2.15%
04/27/2026	3600 Head	20.7	3300	2.574	39.733	2.708	38.157	-4.95%	4.13%
			3350	2.623	39.676	2.759	38.100	-4.93%	4.14%
			3450	2.721	39.538	2.861	37.986	-4.89%	4.09%
			3500	2.769	39.475	2.913	37.929	-4.94%	4.08%
			3550	2.819	39.390	2.964	37.871	-4.89%	4.01%
			3560	2.830	39.376	2.974	37.860	-4.84%	4.00%
			3600	2.867	39.325	3.015	37.814	-4.91%	4.00%
			3650	2.918	39.251	3.066	37.757	-4.83%	3.96%
			3690	2.964	39.197	3.107	37.711	-4.92%	3.94%
			3700	2.964	39.192	3.117	37.700	-4.91%	3.93%
			3750	3.014	39.120	3.169	37.643	-4.89%	3.92%
			3900	3.189	38.908	3.323	37.471	-4.63%	3.83%
			3930	3.201	38.879	3.353	37.437	-4.53%	3.85%
			4100	3.389	38.638	3.528	37.243	-3.94%	3.75%
			4150	3.445	38.545	3.579	37.186	-3.74%	3.65%
04/27/2026	3600 Head	20.8	3300	2.738	37.408	2.708	38.157	1.11%	-1.96%
			3350	2.776	37.366	2.759	38.100	0.62%	-1.93%
			3450	2.855	37.216	2.861	37.986	-0.21%	-2.03%
			3500	2.894	37.128	2.913	37.929	-0.65%	-2.11%
			3550	2.934	37.081	2.964	37.871	-1.01%	-2.09%
			3560	2.941	37.061	2.974	37.860	-1.11%	-2.11%
			3600	2.975	36.993	3.015	37.814	-1.33%	-2.17%
			3650	3.015	36.939	3.066	37.757	-1.66%	-2.17%
			3690	3.050	36.879	3.107	37.711	-1.83%	-2.21%
			3700	3.058	36.864	3.117	37.700	-1.89%	-2.22%
			3750	3.097	36.812	3.169	37.643	-2.27%	-2.21%
			3900	3.231	36.634	3.323	37.471	-2.77%	-2.23%
			3930	3.255	36.586	3.353	37.437	-2.89%	-2.27%
			4100	3.419	36.378	3.528	37.243	-3.09%	-2.32%
			4150	3.463	36.307	3.579	37.186	-3.24%	-2.36%
03/16/2026	5200-5800 Head	19.0	5150	4.383	35.184	4.608	36.050	-4.88%	-2.40%
			5160	4.392	35.162	4.618	36.040	-4.89%	-2.44%
			5170	4.400	35.145	4.629	36.030	-4.95%	-2.46%
			5180	4.410	35.120	4.635	36.009	-4.85%	-2.47%
			5190	4.426	35.097	4.645	35.998	-4.71%	-2.50%
			5200	4.440	35.078	4.655	35.986	-4.62%	-2.52%
			5210	4.451	35.059	4.666	35.975	-4.61%	-2.55%
			5220	4.464	35.049	4.676	35.963	-4.53%	-2.54%
			5240	4.486	35.017	4.696	35.940	-4.47%	-2.57%
			5250	4.496	35.008	4.706	35.929	-4.46%	-2.56%
			5260	4.507	34.988	4.717	35.917	-4.45%	-2.59%
			5270	4.515	34.968	4.727	35.906	-4.48%	-2.61%
			5280	4.521	34.942	4.737	35.894	-4.56%	-2.65%
			5290	4.530	34.913	4.748	35.883	-4.59%	-2.70%
			5300	4.544	34.889	4.758	35.871	-4.50%	-2.74%
			5310	4.561	34.869	4.768	35.860	-4.34%	-2.76%
			5320	4.577	34.847	4.778	35.848	-4.21%	-2.80%
			5500	4.765	34.533	4.963	35.643	-3.99%	-3.11%
			5510	4.778	34.519	4.973	35.632	-3.92%	-3.12%
			5520	4.783	34.501	4.983	35.620	-4.01%	-3.14%
			5530	4.791	34.472	4.994	35.609	-4.06%	-3.19%
			5540	4.803	34.446	5.004	35.597	-4.02%	-3.23%
			5550	4.819	34.431	5.014	35.586	-3.89%	-3.25%
			5560	4.834	34.430	5.024	35.574	-3.78%	-3.22%
			5580	4.856	34.397	5.045	35.551	-3.75%	-3.25%
			5600	4.881	34.361	5.065	35.529	-3.63%	-3.29%
			5610	4.891	34.344	5.076	35.518	-3.64%	-3.31%
			5620	4.901	34.322	5.086	35.506	-3.64%	-3.33%
			5640	4.924	34.267	5.106	35.483	-3.56%	-3.43%
			5660	4.942	34.234	5.127	35.460	-3.61%	-3.46%
			5670	4.949	34.224	5.137	35.449	-3.66%	-3.46%
			5680	4.959	34.199	5.147	35.437	-3.65%	-3.49%
			5690	4.974	34.172	5.158	35.426	-3.57%	-3.54%
			5700	4.989	34.156	5.168	35.414	-3.48%	-3.55%
			5710	5.000	34.134	5.178	35.403	-3.44%	-3.58%
			5720	5.008	34.115	5.188	35.391	-3.47%	-3.61%
			5745	5.036	34.073	5.214	35.363	-3.41%	-3.65%
			5750	5.044	34.066	5.219	35.357	-3.35%	-3.65%
			5755	5.052	34.065	5.224	35.351	-3.29%	-3.64%
			5765	5.066	34.047	5.234	35.340	-3.21%	-3.66%
			5775	5.076	34.034	5.245	35.329	-3.22%	-3.67%
			5785	5.082	34.017	5.255	35.317	-3.29%	-3.68%
			5795	5.092	33.995	5.265	35.305	-3.29%	-3.71%
			5805	5.103	33.967	5.275	35.294	-3.26%	-3.76%
			5825	5.124	33.935	5.296	35.271	-3.25%	-3.79%
			5835	5.135	33.919	5.305	35.230	-3.20%	-3.72%
			5845	5.150	33.900	5.315	35.210	-3.10%	-3.72%
			5850	5.156	33.888	5.320	35.200	-3.08%	-3.73%
			5855	5.161	33.882	5.325	35.197	-3.08%	-3.74%
			5875	5.184	33.850	5.347	35.183	-3.05%	-3.79%
			5885	5.196	33.837	5.357	35.177	-3.01%	-3.81%
			5905	5.214	33.804	5.379	35.163	-3.07%	-3.86%

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Table 11-8
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
03/23/2026	5200-5800 Head	20.7	5150	4.421	37.354	4.608	36.050	-4.06%	3.62%
			5160	4.432	37.399	4.618	36.040	-4.03%	3.66%
			5170	4.434	37.360	4.629	36.030	-4.21%	3.69%
			5180	4.434	37.353	4.635	36.009	-4.34%	3.73%
			5190	4.435	37.332	4.645	35.998	-4.52%	3.71%
			5200	4.435	37.297	4.655	35.996	-4.70%	3.64%
			5210	4.442	37.295	4.665	35.975	-4.80%	3.56%
			5220	4.452	37.206	4.676	35.963	-4.79%	3.46%
			5240	4.495	37.135	4.696	35.940	-4.28%	3.32%
			5250	4.521	37.116	4.706	35.929	-3.93%	3.30%
			5260	4.541	37.117	4.717	35.917	-3.73%	3.34%
			5270	4.551	37.139	4.727	35.906	-3.72%	3.43%
			5280	4.560	37.163	4.737	35.894	-3.74%	3.54%
			5290	4.570	37.163	4.748	35.883	-3.75%	3.57%
			5300	4.572	37.147	4.758	35.871	-3.91%	3.56%
			5310	4.576	37.118	4.768	35.860	-4.03%	3.51%
			5320	4.578	37.078	4.778	35.849	-4.19%	3.43%
			5500	4.769	36.705	4.963	35.643	-3.51%	2.97%
			5510	4.805	36.703	4.973	35.632	-3.36%	3.01%
			5520	4.822	36.712	4.983	35.620	-3.23%	3.07%
			5530	4.840	36.698	4.994	35.609	-3.08%	3.06%
			5540	4.855	36.670	5.004	35.597	-2.98%	3.01%
			5550	4.859	36.646	5.014	35.586	-3.09%	2.98%
			5560	4.865	36.630	5.024	35.574	-3.11%	2.97%
			5580	4.884	36.595	5.045	35.551	-3.19%	2.91%
			5600	4.896	36.537	5.065	35.529	-3.34%	2.84%
			5610	4.909	36.511	5.076	35.518	-3.29%	2.80%
			5620	4.926	36.493	5.086	35.506	-3.15%	2.78%
			5640	4.960	36.470	5.106	35.483	-2.86%	2.78%
			5660	4.995	36.422	5.127	35.460	-2.56%	2.71%
			5670	5.012	36.413	5.137	35.449	-2.43%	2.72%
			5680	5.025	36.405	5.147	35.437	-2.41%	2.73%
			5690	5.029	36.396	5.158	35.426	-2.50%	2.74%
			5700	5.034	36.395	5.168	35.414	-2.59%	2.77%
			5710	5.039	36.381	5.178	35.403	-2.68%	2.76%
			5720	5.041	36.368	5.188	35.391	-2.63%	2.76%
			5745	5.059	36.278	5.214	35.363	-2.99%	2.59%
			5750	5.066	36.253	5.219	35.357	-2.93%	2.53%
			5755	5.075	36.238	5.224	35.351	-2.85%	2.51%
			5765	5.101	36.209	5.234	35.340	-2.54%	2.46%
			5775	5.123	36.202	5.245	35.329	-2.33%	2.47%
			5785	5.142	36.191	5.255	35.317	-2.15%	2.47%
			5795	5.165	36.188	5.265	35.305	-1.92%	2.50%
			5800	5.166	36.184	5.270	35.300	-1.97%	2.50%
			5800	5.166	36.184	5.270	35.300	-1.97%	2.50%
			5805	5.173	36.184	5.275	35.294	-1.93%	2.52%
			5825	5.186	36.201	5.296	35.271	-2.08%	2.64%
			5835	5.188	36.190	5.305	35.260	-2.24%	2.72%
			5845	5.189	36.158	5.315	35.210	-2.43%	2.69%
			5850	5.196	36.140	5.320	35.200	-2.52%	2.67%
			5855	5.198	36.119	5.325	35.197	-2.57%	2.62%
			5865	5.197	36.082	5.336	35.190	-2.60%	2.53%
			5865	5.197	36.082	5.336	35.190	-2.60%	2.53%
			5865	5.197	36.082	5.336	35.190	-2.60%	2.53%
			5875	5.209	36.095	5.347	35.183	-2.58%	2.48%
			5885	5.224	36.023	5.357	35.177	-2.48%	2.40%
			5905	5.275	35.974	5.379	35.163	-1.93%	2.31%
			5800	5.166	36.184	5.270	35.300	-1.97%	2.50%
			5800	5.166	36.184	5.270	35.300	-1.97%	2.50%
04/20/2026	5200-5800 Head	19.5	5150	4.407	36.293	4.608	36.050	-4.51%	0.65%
			5160	4.407	36.296	4.618	36.040	-4.57%	0.63%
			5170	4.413	36.248	4.629	36.030	-4.67%	0.61%
			5180	4.426	36.224	4.635	36.009	-4.51%	0.60%
			5190	4.442	36.196	4.645	35.998	-4.37%	0.55%
			5200	4.453	36.183	4.655	35.996	-4.34%	0.55%
			5210	4.462	36.169	4.665	35.975	-4.37%	0.54%
			5220	4.475	36.148	4.676	35.963	-4.30%	0.51%
			5240	4.500	36.104	4.696	35.940	-4.17%	0.46%
			5250	4.511	36.097	4.706	35.929	-4.14%	0.47%
			5260	4.521	36.085	4.717	35.917	-4.16%	0.47%
			5270	4.531	36.071	4.727	35.906	-4.16%	0.46%
			5280	4.541	36.042	4.737	35.894	-4.14%	0.41%
			5290	4.553	36.017	4.748	35.883	-4.11%	0.37%
			5300	4.564	36.001	4.758	35.871	-4.08%	0.36%
			5310	4.575	35.979	4.768	35.860	-4.05%	0.33%
			5320	4.585	35.963	4.778	35.849	-4.04%	0.32%
			5500	4.779	35.629	4.963	35.643	-3.71%	-0.04%
			5510	4.793	35.592	4.973	35.632	-3.62%	-0.11%
			5520	4.807	35.578	4.983	35.620	-3.53%	-0.12%
			5530	4.823	35.561	4.994	35.609	-3.42%	-0.13%
			5540	4.832	35.550	5.004	35.597	-3.44%	-0.13%
			5550	4.841	35.537	5.014	35.586	-3.45%	-0.14%
			5560	4.852	35.524	5.024	35.574	-3.46%	-0.15%
			5580	4.875	35.494	5.045	35.551	-3.37%	-0.19%
			5600	4.899	35.440	5.065	35.529	-3.28%	-0.25%
			5610	4.911	35.419	5.076	35.518	-3.25%	-0.28%
			5620	4.920	35.403	5.086	35.506	-3.26%	-0.29%
			5640	4.949	35.361	5.106	35.483	-3.07%	-0.34%
			5660	4.975	35.312	5.127	35.460	-2.96%	-0.42%
			5670	4.983	35.300	5.137	35.449	-3.00%	-0.42%
			5680	4.994	35.285	5.147	35.437	-2.97%	-0.43%
			5690	5.005	35.278	5.158	35.426	-2.97%	-0.42%
			5700	5.019	35.263	5.168	35.414	-2.88%	-0.43%
			5710	5.032	35.250	5.178	35.403	-2.82%	-0.43%
			5720	5.043	35.225	5.188	35.391	-2.79%	-0.47%
			5745	5.070	35.165	5.214	35.363	-2.75%	-0.56%
			5750	5.076	35.156	5.219	35.357	-2.74%	-0.57%
			5755	5.081	35.144	5.224	35.351	-2.74%	-0.59%
			5765	5.091	35.132	5.234	35.340	-2.73%	-0.59%
			5775	5.103	35.120	5.245	35.329	-2.71%	-0.59%
			5785	5.117	35.103	5.255	35.317	-2.63%	-0.61%
			5795	5.129	35.090	5.265	35.305	-2.58%	-0.61%
			5805	5.142	35.070	5.275	35.294	-2.52%	-0.63%
			5825	5.164	35.040	5.296	35.271	-2.49%	-0.65%
			5835	5.175	35.015	5.305	35.260	-2.45%	-0.61%
			5845	5.189	34.994	5.315	35.210	-2.37%	-0.61%
			5850	5.195	34.989	5.320	35.200	-2.36%	-0.60%
			5855	5.201	34.984	5.325	35.197	-2.33%	-0.61%
			5875	5.223	34.965	5.347	35.183	-2.32%	-0.62%
			5885	5.234	34.951	5.357	35.177	-2.30%	-0.64%
			5905	5.265	34.929	5.379	35.163	-2.12%	-0.67%

FCC ID: A3LSMF776U	RF EXPOSURE PART 1 TEST REPORT			Approved by: Technical Manager
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Table 11-9
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ϵ	% dev σ	% dev ϵ
04-14-2026	6000 Head	20.3	5935	5.204	35.515	5.411	35.143	-3.83%	1.06%
			5970	5.228	35.479	5.448	35.120	-4.04%	1.02%
			5985	5.242	35.418	5.464	35.110	-4.06%	0.88%
			6000	5.246	35.384	5.480	35.100	-4.27%	0.81%
			6025	5.287	35.336	5.510	35.070	-4.05%	0.76%
			6065	5.328	35.229	5.557	35.022	-4.12%	0.59%
			6075	5.333	35.203	5.569	35.010	-4.24%	0.55%
			6085	5.346	35.189	5.580	34.998	-4.19%	0.55%
			6185	5.487	35.059	5.698	34.878	-3.70%	0.52%
			6275	5.606	34.868	5.805	34.770	-3.43%	0.28%
			6285	5.611	34.885	5.816	34.758	-3.52%	0.37%
			6305	5.634	34.900	5.840	34.734	-3.53%	0.48%
			6345	5.675	34.797	5.887	34.686	-3.60%	0.32%
			6475	5.827	34.525	6.041	34.530	-3.54%	-0.01%
			6485	5.845	34.541	6.052	34.518	-3.42%	0.07%
			6500	5.867	34.545	6.070	34.500	-3.34%	0.13%
			6505	5.869	34.553	6.076	34.494	-3.41%	0.17%
			6545	5.898	34.492	6.122	34.446	-3.66%	0.13%
			6665	6.015	34.217	6.265	34.302	-3.99%	-0.25%
			6675	6.041	34.199	6.273	34.290	-3.70%	-0.27%
			6685	6.063	34.151	6.285	34.278	-3.53%	-0.37%
			6715	6.089	34.154	6.319	34.242	-3.64%	-0.26%
			6785	6.173	33.986	6.400	34.158	-3.55%	-0.50%
			6825	6.238	33.956	6.447	34.110	-3.24%	-0.45%
			6985	6.396	33.764	6.633	33.918	-3.57%	-0.45%
			6995	6.385	33.767	6.644	33.906	-3.90%	-0.41%
			7000	6.396	33.764	6.650	33.900	-3.97%	-0.40%
			7005	6.390	33.752	6.656	33.894	-4.00%	-0.42%
			7025	6.436	33.626	6.680	33.870	-3.65%	-0.72%
04-20-2026	6000 Head	19.6	5935	5.164	34.169	5.411	35.143	-4.56%	-2.77%
			5970	5.186	34.139	5.448	35.120	-4.81%	-2.79%
			5985	5.199	34.097	5.464	35.110	-4.85%	-2.89%
			6025	5.254	33.989	5.510	35.070	-4.65%	-3.08%
			6065	5.308	33.913	5.557	35.022	-4.48%	-3.17%
			6075	5.315	33.888	5.569	35.010	-4.56%	-3.20%
			6085	5.320	33.883	5.580	34.998	-4.66%	-3.19%
			6185	5.457	33.723	5.698	34.878	-4.23%	-3.31%
			6275	5.564	33.558	5.805	34.770	-4.15%	-3.49%
			6285	5.574	33.566	5.816	34.758	-4.16%	-3.43%
			6305	5.605	33.571	5.840	34.734	-4.02%	-3.35%
			6345	5.648	33.519	5.887	34.686	-4.06%	-3.36%
			6475	5.807	33.246	6.041	34.530	-3.87%	-3.72%
			6485	5.820	33.261	6.052	34.518	-3.83%	-3.64%
			6500	5.835	33.290	6.070	34.500	-3.87%	-3.51%
			6505	5.835	33.298	6.076	34.494	-3.97%	-3.47%
			6545	5.884	33.187	6.122	34.446	-3.89%	-3.65%
			6665	5.985	32.932	6.265	34.302	-4.47%	-3.99%
			6675	6.011	32.907	6.273	34.290	-4.18%	-4.03%
			6685	6.039	32.861	6.285	34.278	-3.91%	-4.13%
			6715	6.063	32.852	6.319	34.242	-4.05%	-4.06%
			6785	6.140	32.698	6.400	34.158	-4.06%	-4.27%
			6825	6.215	32.643	6.447	34.110	-3.60%	-4.30%
			6985	6.385	32.496	6.633	33.918	-3.74%	-4.19%
			6995	6.368	32.513	6.644	33.906	-4.15%	-4.11%
			7000	6.369	32.522	6.650	33.900	-4.23%	-4.06%
			7005	6.375	32.517	6.656	33.894	-4.22%	-4.06%
			7025	6.420	32.393	6.680	33.870	-3.89%	-4.36%
04-24-2026	6000 Head	19.0	5935	5.245	34.687	5.411	35.143	-3.07%	-1.30%
			5970	5.276	34.654	5.448	35.120	-3.16%	-1.33%
			5985	5.295	34.596	5.464	35.110	-3.09%	-1.46%
			6000	5.312	34.570	5.480	35.100	-3.07%	-1.51%
			6025	5.356	34.518	5.510	35.070	-2.79%	-1.57%
			6065	5.389	34.442	5.557	35.022	-3.02%	-1.66%
			6075	5.399	34.422	5.569	35.010	-3.05%	-1.68%
			6085	5.409	34.417	5.580	34.998	-3.06%	-1.66%
			6185	5.542	34.208	5.698	34.878	-2.74%	-1.92%
			6275	5.656	34.013	5.805	34.770	-2.57%	-2.18%
			6285	5.661	34.032	5.816	34.758	-2.67%	-2.09%
			6305	5.685	34.013	5.840	34.734	-2.65%	-2.08%
			6345	5.732	33.926	5.887	34.686	-2.63%	-2.19%
			6475	5.888	33.627	6.041	34.530	-2.53%	-2.62%
			6485	5.906	33.640	6.052	34.518	-2.41%	-2.54%
			6500	5.928	33.665	6.070	34.500	-2.34%	-2.42%
			6505	5.932	33.678	6.076	34.494	-2.37%	-2.37%
			6545	5.969	33.584	6.122	34.446	-2.50%	-2.50%
			6665	6.095	33.311	6.265	34.302	-2.71%	-2.89%
			6675	6.115	33.292	6.273	34.290	-2.52%	-2.91%
			6685	6.143	33.253	6.285	34.278	-2.26%	-2.99%
			6715	6.158	33.253	6.319	34.242	-2.55%	-2.89%
			6785	6.267	33.073	6.400	34.158	-2.08%	-3.18%
			6825	6.323	33.026	6.447	34.110	-1.92%	-3.18%
			6985	6.492	32.827	6.633	33.918	-2.11%	-3.19%
			6995	6.490	32.854	6.644	33.906	-2.32%	-3.10%
			7000	6.498	32.855	6.650	33.900	-2.29%	-3.08%
			7005	6.510	32.846	6.656	33.894	-2.19%	-3.09%
			7025	6.563	32.732	6.680	33.870	-1.75%	-3.36%

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2. The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

FCC ID: A3LSMF776U	RF EXPOSURE PART 1 TEST REPORT			Approved by: Technical Manager
Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo. 		Page 138 of 198

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11.2 SAR Test System Verification

Prior to SAR assessment, the system is verified to $\pm 10\%$ of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in SAR System Validation Appendix.

Table 11-10
System Verification Results – Head

Sets	Time	Frequency	Time	Date	Amb. Temp.	Liquid Temp.	Input Power	SN	Probe SN	DAE	Measured SAR	1W Target SAR	1W Normalized SAR	Deviation 1%	Measured SAR	1W Target SAR	1W Normalized SAR	Deviation 1%	Measured SAR	1W Target SAR	1W Normalized SAR	Deviation 1%	Measured SAR	1W Target SAR	1W Normalized SAR	Deviation 4%		
Sets	Time	Frequency	Time	Date	Amb. Temp.	Liquid Temp.	Input Power	SN	Probe SN	DAE	Measured SAR (W/kg)	1W Target SAR (W/kg)	1W Normalized SAR (W/kg)	Deviation 1%	Measured SAR (W/kg)	1W Target SAR (W/kg)	1W Normalized SAR (W/kg)	Deviation 1%	Measured SAR (W/kg)	1W Target SAR (W/kg)	1W Normalized SAR (W/kg)	Deviation 1%	Measured SAR (W/kg)	1W Target SAR (W/kg)	1W Normalized SAR (W/kg)	Deviation 4%		
G	750	HEAD	04-23-2026	22.7	21.5	0.20	1003	7570	859	0.49	0.50	0.49	-0.25%	0.30	0.32	1.00	-5.06%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	750	HEAD	04-23-2026	22.7	21.5	0.20	1003	7547	1322	163	8.72	8.15	8.54%	1.08	5.65	5.40	-4.42%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S4	750	HEAD	04-05-2026	22.9	22.0	0.20	1003	7547	1322	168	8.72	8.40	-3.67%	1.32	5.65	5.40	-0.88%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S5	750	HEAD	04-05-2026	22.9	22.0	0.20	1003	7548	1322	168	8.72	8.40	-3.67%	1.32	5.65	5.40	-0.88%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S1	750	HEAD	04-16-2026	21.0	22.5	0.20	1046	7637	1652	183	8.60	9.15	6.40%	1.21	5.61	6.05	7.84%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S5	750	HEAD	04-16-2026	21.3	21.5	0.20	1003	7546	1366	171	8.72	8.55	-1.95%	1.14	5.65	5.70	0.88%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S5	750	HEAD	04-16-2026	21.5	22.0	0.20	1003	7547	1322	168	8.72	8.40	-3.67%	1.32	5.65	5.40	-0.88%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	750	HEAD	04-07-2026	20.9	22.0	0.20	1167	7570	859	1.68	8.36	8.36	0.00%	1.12	5.41	5.60	3.51%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	750	HEAD	04-13-2026	23.1	22.0	0.20	1167	7570	859	1.77	8.36	8.36	0.00%	1.19	5.41	5.93	9.58%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	750	HEAD	04-13-2026	23.1	22.0	0.20	1003	7583	1583	139	8.72	7.95	-8.88%	1.08	5.65	5.30	-6.18%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S2	835	HEAD	04-16-2026	20.1	22.0	0.20	1047	7631	1579	8.95	2.85	2.85	0.00%	1.29	6.46	6.46	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S2	835	HEAD	04-16-2026	20.8	20.4	0.20	4080	7409	1333	200	9.51	10.03	5.12%	1.32	6.17	6.40	3.87%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S5	835	HEAD	04-16-2026	21.3	21.5	0.20	1003	7546	1366	203	9.51	10.15	6.73%	1.34	6.17	6.40	3.87%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S5	835	HEAD	04-16-2026	21.7	20.7	0.20	1047	7631	1579	8.95	2.85	2.85	0.00%	1.29	6.46	6.46	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S1	835	HEAD	04-06-2026	21.8	21.8	0.20	7637	1652	192	9.51	8.60	0.95%	1.27	6.17	6.35	2.92%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S5	835	HEAD	04-16-2026	21.4	20.2	0.20	4080	7603	1583	193	9.51	7.65	-14.4%	1.28	6.17	6.40	3.73%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	1750	HEAD	04-16-2026	21.5	21.0	0.10	1148	7570	859	1.80	3.11	3.11	0.00%	2.27	21.90	21.90	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	1750	HEAD	04-16-2026	22.1	22.7	0.10	1148	7570	859	1.89	36.90	36.90	0.00%	20.00	19.60	20.00	2.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S6	1750	HEAD	04-09-2026	22.6	21.0	0.10	1051	7603	1583	536	36.40	36.40	0.00%	26.79%	19.50	19.50	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S6	1750	HEAD	04-16-2026	22.2	20.5	0.10	1051	7603	1583	532	36.40	36.40	0.00%	25.45%	19.50	19.50	-1.53%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S6	1750	HEAD	04-16-2026	22.3	20.5	0.10	1051	7603	1583	532	36.40	36.40	0.00%	25.45%	19.50	19.50	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
M	1750	HEAD	04-06-2026	19.8	21.0	0.10	1150	7406	1677	1.64	36.40	36.40	0.00%	1.98	19.40	18.80	-2.06%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
R	1750	HEAD	04-20-2026	19.6	20.9	0.10	1150	7417	1639	371	36.40	37.10	1.92%	2.01	19.40	20.10	3.61%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	1900	HEAD	04-13-2026	22.1	22.7	0.10	1148	7570	859	1.87	43.47	43.47	0.00%	19.60	19.40	19.60	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	1900	HEAD	04-05-2026	22.1	22.7	0.10	1148	7570	859	1.87	43.47	43.47	0.00%	19.60	19.40	19.60	0.00%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
G	1900	HEAD	04-16-2026	20.4	20.7	0.10	1047	7538	1364	4.34	40.20	41.40	7.96%	2.27	21.20	22.70	7.08%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S8	1900	HEAD	04-23-2026	21.4	20.4	0.10	1047	7538	1364	4.31	39.80	41.1	7.79%	2.14	21.00	21.40	1.96%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S8	1900	HEAD	04-23-2026	21.4	20.4	0.10	1047	7538	1364	4.31	39.80	41.1	7.79%	2.14	21.00	21.40	1.96%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S5	1900	HEAD	04-16-2026	20.3	20.9	0.10	1047	7538	1364	4.30	39.80	41.40	4.50%	2.19	21.00	21.40	1.96%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S5	1900	HEAD	04-08-2026	19.7	20.0	0.10	1047	7535	1466	4.09	39.80	40.50	3.28%	2.13	21.00	21.30	1.43%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
M	1900	HEAD	04-09-2026	21.4	22.0	0.10	1047	7546	1366	1677	4.31	39.80	41.10	3.28%	2.17	20.00	21.30	8.81%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
S5	1900	HEAD	04-16-2026	20.3	20.9	0.10	1047	7538	1364	4.30	39.80	41.40	4.50%	2.19	21.00	21.40	1.96%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
S7	2300	HEAD	04-22-2026	21.5	20.3	0.10	1009	7409	1333	5.11	49.40	51.10	3.44%	3.00	23.70	23.00	-4.59%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
N	2300	HEAD	04-22-2026	21.2	19.0	0.10	1114	7670	1449	4.62	49.20	46.20	-6.10%	2.27	23.10	22.70	-1.62%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
S2	2300	HEAD	04-23-2026	21.1	21.0	0.10	1114	7670	1449	4.62	49.20	46.20	-6.10%	2.27	23.10	22.70	-1.62%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
J	2450	HEAD	04-05-2026	20.8	20.8	0.10	719	7660	1678	1.48	52.20	54.80	4.98%	2.63	24.60	26.30	6.91%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
J	2450	HEAD	04-16-2026	22.2	20.5	0.10	719	7660	1678	5.24	52.20	52.40	0.38%	2.49	24.60	24.90	1.22%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
J	2450	HEAD	04-16-2026	21.6	20.7	0.10	797	7660	1678	5.15	52.80	53.10	0.29%	2.45	24.60	24.50	-0.41%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
J	2450	HEAD	04-16-2026	21.7	20.7	0.10	797	7660	1678	5.15	52.80	53.10	0.29%	2.45	24.60	24.50	-0.41%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
J	2450	HEAD	04-16-2026	22.6	20.7	0.10	797	7660	1678	5.15	52.80	53.10	0.29%	2.45	24.60	24.50	-0.41%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
J	2450	HEAD	04-16-2026	22.7	20.7	0.10	719	7660	1678	5.31	52.20	51.20	-1.72%	2.52	24.60	25.20	2.44%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
L	2450	HEAD	04-23-2026	20.3	19.5	0.10	719	7639	1272	5.68	52.20	56.80	8.81%	2.47	24.60	26.70	8.54%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
L	2450	HEAD	04-23-2026	20.3	19.5	0.10	719	7639	1272	5.68	52.20	56.80	8.81%	2.47	24.60	26.70	8.54%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
L	2450	HEAD	04-23-2026	20.3	19.5	0.10	719	7639	1272	5.68	52.20	56.80	8.81%	2.47	24.60	26.70	8.54%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
L	2450	HEAD	04-20-2026	20.9	19.8	0.10	797	7339	1450	5.00	52.40	50.00	-4.54%	2.33	24.60	23.90	-1.45%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
S5	2450	HEAD	04-21-2026	20.8	19.8	0.10	945	7545	1466	4.90	52.90	49.00	-7.37%	2.28	25.00	22.80	-8.80%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
J	2600	HEAD	04-16-2026	21.0	20.7	0.10	1071	7660	1678	5.15	52.80	53.10	0.29%	2.45	24.60	24.50	-0.41%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
S5	2600	HEAD	04-16-2026	21.1	20.7	0.10	1071	7660	1678	5.15	52.80	53.10	0.29%	2.45	24.60	24.50	-0.41%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S5	2600	HEAD	04-16-2026	21.1	20.7	0.10	1071	7660	1678	5.15	52.80	53.10	0.29%	2.45	24.60	24.50	-0.41%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S5	2600	HEAD	04-16-2026	21.1	20.7	0.10	1071	7660	1678	5.15	52.80	53.10	0.29%	2.45	24.60	24.50	-0.41%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M	2600	HEAD	04-11-2026	21.3	20.5	0.10	1064	7406	1677	5.91	56.10	59.10	5.33%	2.70	25.20	27.00	7.14%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
J	2600	HEAD	04-16-2026	21.6	20.8	0.10	1064	7406	1677	5.91	56.10	57.00	1.60%	2.61	25.20	26.10	3.57%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S2	2600	HEAD	04-16-2026	20.5	21.0	0.10	1009	7409	1333	5.11	49.40	51.10	3.44%	3.00	23.70	23.00	-4.59%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
J	2600	HEAD	04-19-2026	22.																								

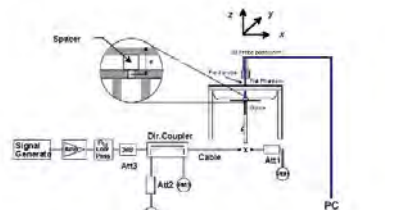


Figure 11-1
System Verification Setup Diagram



Figure 11-2
System Verification Setup Photo

11.3 Power Density Test System Verification

The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

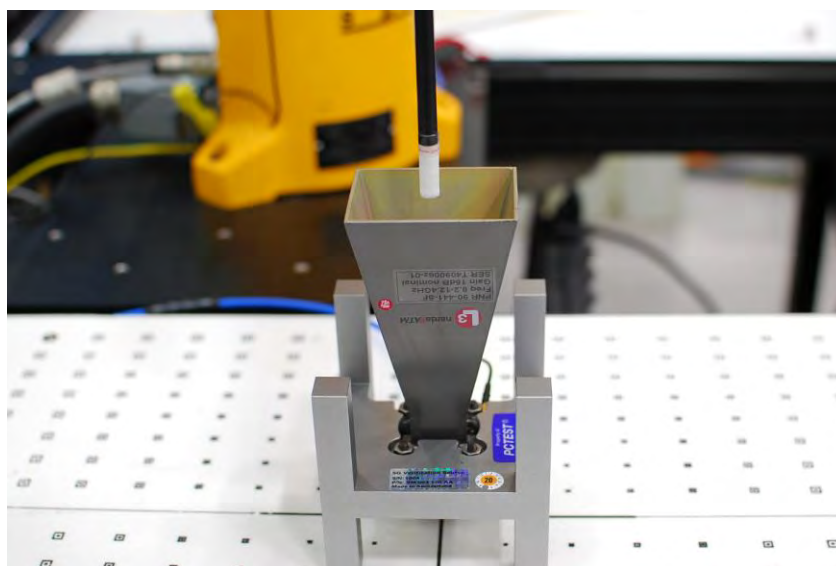


Figure 11-3
System Verification Setup Photo

Table 11-11
10 GHz Verifications

System Verification										
System	Frequency [GHz]	Date	Source S/N	Probe S/N	Normal psPD (W/m² over 4 cm²)		Deviation (dB)	Total psPD (W/m² over 4 cm²)		Deviation (dB)
					Measured	Target		Measured	Target	
N	10	3/26/2026	1004	9407	55.50	54.60	0.07	55.90	55.60	0.02

Note: A **10 mm distance spacing** was used from the reference horn antenna aperture to the probe element.

FCC ID: A3LSMF776U	RF EXPOSURE PART 1 TEST REPORT				Approved by: Technical Manager
Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo. 			Page 140 of 198

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12 SAR DATA SUMMARY

12.1 GSM 850 Standalone SAR

Table 12-1 Ant A Head

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	GSM 850	GSM	A	1153M	1.8.3	0.03	848.80	251	33.5	32.15	Right Cheek	0	0.142	1.365	0.194	0.287	0.179		31.4		
Head	GSM 850	GSM	A	1153M	1.8.3	0.02	848.80	251	33.5	32.15	Right Tr	0	0.057	1.365	0.078	0.115	0.072		35.3	31.4	26.0
Head	GSM 850	GSM	A	1153M	1.8.3	0.14	848.80	251	33.5	32.15	Left Cheek	0	0.098	1.365	0.134	0.198	0.124		33.0		
Head	GSM 850	GSM	A	1153M	1.8.3	-0.18	848.80	251	33.5	32.15	Left Tr	0	0.046	1.365	0.063	0.093	0.058		36.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT													Head								
Spatial Peak													1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population													averaged over 1 gram								

Table 12-2 Ant E Head | Plot A1

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	GSM 850	GSM	E	0668M	1.8.3	0.00	848.80	251	32.2	30.93	Right Cheek	0	0.531	1.340	0.712	0.904	0.565	Plot	24.4		
Head	GSM 850	GSM	E	0668M	1.8.3	-0.14	848.80	251	32.2	30.93	Right Tr	0	0.163	1.340	0.218	0.277	0.173		29.6	24.4	22.0
Head	GSM 850	GSM	E	0668M	1.8.3	-0.01	848.80	251	32.2	30.93	Left Cheek	0	0.265	1.340	0.355	0.451	0.282		27.4		
Head	GSM 850	GSM	E	0668M	1.8.3	-0.02	848.80	251	32.2	30.93	Left Tr	0	0.114	1.340	0.153	0.194	0.121		31.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT													Head								
Spatial Peak													1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population													averaged over 1 gram								

Table 12-3 Ant A Open Body | Plot A2

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 850	GPRS 4 Tx Slots	A	1153M	1.2.076	-0.04	848.80	251	25.0	23.88	Bottom	5	0.409	1.294	0.529	0.672	0.420		35.5		
Body	GPRS 850	GPRS 4 Tx Slots	A	1153M	1.2.076	-0.12	848.80	251	25.0	23.88	Right	5	0.287	1.294	0.371	0.472	0.295		37.0		
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	A	1153M	1.2.076	0.11	824.20	128	25.0	23.47	Back	5	0.619	1.422	0.880	1.118	0.699		33.3	32.1	20.8
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	A	1153M	1.2.076	-0.12	836.60	190	25.0	23.63	Back	5	0.842	1.371	1.154	1.466	0.916	Plot	32.1		
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	A	1153M	1.2.076	-0.02	848.80	251	25.0	23.88	Back	5	0.756	1.294	0.978	1.242	0.776		32.8		
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	A	1153M	1.2.076	0.02	848.80	251	25.0	23.88	Front	5	0.419	1.294	0.542	0.689	0.431		35.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT													Body								
Spatial Peak													1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population													averaged over 1 gram								

Table 12-4 Ant A Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 850	GPRS 4 Tx Slots	A	0350M	1.2.076	0.02	836.60	190	26.0	24.63	Bottom	5	0.347	1.371	0.476	0.604	0.378		37.0		
Body	GPRS 850	GPRS 4 Tx Slots	A	0369M	1.2.076	-0.09	836.60	190	26.0	24.63	Right	5	0.237	1.371	0.325	0.413	0.258		38.6		
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	A	0369M	1.2.076	-0.13	824.20	128	26.0	24.33	Back	5	0.725	1.469	1.065	1.353	0.846		33.5	33.5	21.8
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	A	0369M	1.2.076	0.00	836.60	190	26.0	24.63	Back	5	0.661	1.371	0.906	1.151	0.719		34.2		
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	A	0369M	1.2.076	-0.05	848.80	251	26.0	24.62	Back	5	0.766	1.374	1.052	1.337	0.836		33.5		
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	A	0369M	1.2.076	-0.13	836.60	190	26.0	24.63	Front	5	0.074	1.371	0.101	0.129	0.081		43.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT													Body								
Spatial Peak													1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population													averaged over 1 gram								

Table 12-5 Ant E Open Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	-0.13	848.80	251	26.5	25.93	Top	5	0.031	1.140	0.035	0.072	0.045		37.8		
Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	0.08	848.80	251	26.5	25.93	Left	5	0.429	1.140	0.489	0.999	0.624		26.4	26.4	26.4
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	-0.01	848.80	251	26.5	25.93	Back	5	0.343	1.140	0.391	0.799	0.499		27.3		
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	0.00	848.80	251	26.5	25.93	Front	5	0.355	1.140	0.405	0.826	0.516		27.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT													Body								
Spatial Peak													1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population													averaged over 1 gram								

Table 12-6 Ant E Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	0.06	848.80	251	26.5	25.93	Top	5	0.078	1.140	0.012	0.061	0.018		38.2		
Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	0.00	848.80	251	26.5	25.93	Bottom	5	0.034	1.140	0.039	0.074	0.046		37.4		
Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	0.00	848.80	251	26.5	25.93	Left	5	0.441	1.140	0.503	0.958	0.599		26.3	26.1	26.1
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	-0.10	848.80	251	26.5	25.93	Back	5	0.144	1.140	0.164	0.313	0.196		31.1		
Body-worn/Body	GPRS 850	GPRS 4 Tx Slots	E	1153M	1.2.076	-0.06	848.80	251	26.5	25.93	Front	5	0.460	1.140	0.524	1.000	0.625		26.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT													Body								
Spatial Peak													1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population													averaged over 1 gram								

FCC ID: A3LSMF776U	RF EXPOSURE PART 1 TEST REPORT				Approved by: Technical Manager
Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			 Page 141 of 198

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12.2 GSM 1900 Standalone SAR

Table 12-7 Ant B Head | Plot A3

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	GSM 1900	GSM	B	1156M	1:8.3	-0.08	1850.20	512	30.0	28.94	Right Cheek	0	0.026	1.276	0.033	0.110	0.089		35.5	34.2	26.0
Head	GSM 1900	GSM	B	1156M	1:8.3	-0.15	1850.20	512	30.0	28.94	Right Tilt	0	0.022	1.276	0.028	0.093	0.058		36.3		
Head	GSM 1900	GSM	B	1156M	1:8.3	-0.04	1850.20	512	30.0	28.94	Left Cheek	0	0.035	1.276	0.045	0.148	0.093	Plot	34.2		
Head	GSM 1900	GSM	B	1156M	1:8.3	-0.03	1850.20	512	30.0	28.94	Left Tilt	0	0.026	1.276	0.033	0.110	0.069		35.5		
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 12-8 Ant B Open Body | Plot A4

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	-0.10	1850.20	512	22.5	21.11	Bottom	5	0.863	1.377	1.188	1.509	0.943		29.5		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	0.16	1880.00	661	22.5	21.53	Bottom	5	0.805	1.250	1.106	1.405	0.878		29.8		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	-0.01	1909.80	810	22.5	22.16	Bottom	5	0.961	1.081	1.039	1.319	0.824		30.1		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	-0.01	1909.80	810	22.5	22.16	Left	5	0.247	1.081	0.267	0.339	0.212		36.0		
Body-worn/Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	0.00	1850.20	512	22.5	21.11	Back	5	0.692	1.377	0.953	1.210	0.756		30.4	29.5	18.3
Body-worn/Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	0.00	1880.00	661	22.5	21.53	Back	5	0.791	1.250	0.989	1.256	0.785		30.3		
Body-worn/Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	-0.02	1909.80	810	22.5	22.16	Back	5	1.070	1.081	1.157	1.469	0.918	Plot	29.6		
Body-worn/Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	-0.03	1909.80	810	22.5	22.16	Back	5	1.000	1.081	1.157	1.469	0.918		29.6		
Body-worn/Body	GPRS 1900	GPRS 4 Tx Slots	B	0369M	1:2.076	-0.02	1909.80	810	22.5	22.16	Front	5	0.626	1.081	0.677	0.859	0.537		31.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT											Body										
Spatial Peak											1.6 W/kg (mW/g)										
Uncontrolled Exposure/General Population											averaged over 1 gram										
Note: Blue entry represents variability measurement																					

Note: Blue entry represents variability measurement

Table 12-9 Ant B Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 1900	GPRS 4 Tx Slots	B	0776M	1:2.076	0.01	1909.80	810	22.5	22.16	Bottom	5	0.539	1.081	0.583	0.740	0.463		32.6		
Body	GPRS 1900	GPRS 4 Tx Slots	B	1156M	1:2.076	0.07	1909.80	810	22.5	22.16	Left	5	0.095	1.081	0.103	0.130	0.081		40.1		
Body-worn/Body	GPRS 1900	GPRS 4 Tx Slots	B	1156M	1:2.076	-0.12	1909.80	810	22.5	22.16	Back	5	0.699	1.081	0.648	0.822	0.514		32.1		18.3
Body-worn/Body	GPRS 1900	GPRS 4 Tx Slots	B	1156M	1:2.076	0.02	1909.80	810	22.5	22.16	Front	5	0.040	1.081	0.043	0.055	0.034		43.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT													Body								
Spatial Peak													1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population													averaged over 1 gram								

12.3 UMTS 850 Standalone SAR

Table 12-10 Ant A Head

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)	Exposure Ratio (1g SAR)	Plot #	Plimit (dBm)	Overall Plimit (dBm)	EFS Plimit (dBm)
Head	UMTS 850	RMC	A	0373M	1:1	0.05	836.60	4183	23.0	22.54	Right Cheek	0	125	0.137	1.112	0.152	0.193	0.121		31.1	31.1	22.0
Head	UMTS 850	RMC	A	0662M	1:1	0.06	846.60	4183	23.0	22.54	Right Tilt	0	125	0.102	1.112	0.113	0.144	0.090		32.4		
Head	UMTS 850	RMC	A	0662M	1:1	-0.05	846.60	4183	23.0	22.54	Left Cheek	0	124	0.069	1.112	0.077	0.097	0.061		34.1		
Head	UMTS 850	RMC	A	1165M	1:1	-0.03	846.60	4183	23.0	22.54	Left Tilt	0	44	0.042	1.112	0.047	0.059	0.037		36.3		
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 12-11 Ant E Head | Plot A5

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	UMTS 850	RMC	E	1165M	1:1	-0.01	836.60	4183	23.0	21.71	Right Cheek	0	0.426	1.346	0.573	0.728	0.455	Plot	25.4		
Head	UMTS 850	RMC	E	1165M	1:1	-0.01	836.60	4183	23.0	21.71	Right Tilt	0	0.160	1.346	0.215	0.274	0.171		29.6		
Head	UMTS 850	RMC	E	1165M	1:1	0.01	836.60	4183	23.0	21.71	Left Cheek	0	0.239	1.346	0.322	0.409	0.256		27.5	25.4	22.0
Head	UMTS 850	RMC	E	1165M	1:1	0.02	836.60	4183	23.0	21.71	Left Tilt	0	0.090	1.346	0.121	0.154	0.096		32.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT													Head								
Spatial Peak													1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population													averaged over 1 gram								

Table 12-12 Ant A Open Body | Plot A6

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 850	RMC	A	0662M	1:1	0.04	826.40	4132	23.0	22.35	Bottom	5	51	0.804	1.161	0.933	1.185	0.741		23.2		
Body	UMTS 850	RMC	A	0662M	1:1	-0.07	836.60	4183	23.0	22.54	Bottom	5	51	0.803	1.112	0.893	1.134	0.709		23.4		
Body	UMTS 850	RMC	A	0662M	1:1	0.03	846.60	4233	23.0	22.46	Bottom	5	51	0.908	1.132	1.028	1.305	0.816		22.8		
Body	UMTS 850	RMC	A	0662M	1:1	-0.04	836.60	4183	23.0	22.54	Right	5	52	0.389	1.112	0.433	0.549	0.343		26.6		
Body-worn/body	UMTS 850	RMC	A	0662M	1:1	-0.01	826.40	4132	23.0	22.35	Back	5	50	0.982	1.161	1.140	1.448	0.905		22.4		22.0
Body-worn/body	UMTS 850	RMC	A	0662M	1:1	-0.05	836.60	4183	23.0	22.54	Back	5	50	1.040	1.112	1.156	1.469	0.918		22.3		
Body-worn/body	UMTS 850	RMC	A	0662M	1:1	0.01	846.60	4233	23.0	22.46	Back	5	50	1.050	1.132	1.189	1.510	0.944	Plot	22.2		
Body-worn/body	UMTS 850	RMC	A	0662M	1:1	-0.01	846.60	4233	23.0	22.46	Back	5	50	0.980	1.132	1.109	1.409	0.881		22.5		
Body-worn/body	UMTS 850	RMC	A	0662M	1:1	0.02	836.60	4183	23.0	22.54	Front	5	51	0.563	1.112	0.626	0.795	0.497		25.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT											Body 1.6 W/kg (mW/g) averaged over 1 gram											
Spatial Peak Uncontrolled Exposure/General Population																						

Note: Blue entry represents variability measurement

FCC ID: A3LSMF776U	RF EXPOSURE PART 1 TEST REPORT														Approved by: Technical Manager						
Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.														Page 142 of 198					



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Table 12-13 Ant A Closed Body

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]	Exposure Ratio [1g SAR]	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 850	RMC	A	0878M	1:1	0.00	826.40	4132	23.5	22.85	Bottom	5	85	0.599	1.161	0.695	0.883	0.552		36.0		
Body	UMTS 850	RMC	A	0878M	1:1	0.02	836.60	4183	23.5	23.00	Bottom	5	85	0.656	1.122	0.736	0.935	0.584		35.8		
Body	UMTS 850	RMC	A	0878M	1:1	-0.02	846.60	4233	23.5	23.18	Bottom	5	85	0.663	1.076	0.713	0.906	0.566		35.9		
Body	UMTS 850	RMC	A	0878M	1:1	-0.03	846.60	4233	23.5	23.18	Right	5	51	0.252	1.076	0.271	0.344	0.215		40.1		
Body-worn/Body	UMTS 850	RMC	A	0878M	1:1	-0.05	826.40	4132	23.5	22.85	Back	5	124	0.872	1.161	1.012	1.286	0.804		34.4		
Body-worn/Body	UMTS 850	RMC	A	0878M	1:1	-0.04	836.60	4183	23.5	23.20	Back	5	124	0.914	1.122	1.026	1.302	0.814		34.3		
Body-worn/Body	UMTS 850	RMC	A	0878M	1:1	-0.01	846.60	4233	23.5	23.18	Back	5	124	0.924	1.076	0.994	1.263	0.789		34.4		
Body-worn/Body	UMTS 850	RMC	A	0878M	1:1	-0.10	846.60	4233	23.5	23.18	Front	5	85	0.116	1.076	0.125	0.159	0.099		43.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-14 Ant E Open Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 850	RMC	E	0662M	1:1	-0.09	846.60	4233	24.0	22.73	Top	5	0.046	1.340	0.062	0.078	0.049		36.1		
Body	UMTS 850	RMC	E	0369M	1:1	-0.06	846.60	4233	24.0	22.73	Left	5	0.451	1.340	0.604	0.768	0.480		26.1		
Body-worn/Body	UMTS 850	RMC	E	0369M	1:1	-0.01	846.60	4233	24.0	22.73	Back	5	0.398	1.340	0.533	0.677	0.423		26.7		
Body-worn/Body	UMTS 850	RMC	E	0369M	1:1	-0.02	846.60	4233	24.0	22.73	Front	5	0.384	1.340	0.515	0.653	0.408		26.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 12-15 Ant E Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 850	RMC	E	0779M	1:1	-0.10	846.60	4233	24.5	23.36	Top	5	0.025	1.300	0.033	0.041	0.036		39.3		
Body	UMTS 850	RMC	E	0779M	1:1	0.05	846.60	4233	24.5	23.36	Bottom	5	0.033	1.300	0.043	0.054	0.034		38.1		
Body	UMTS 850	RMC	E	0779M	1:1	0.00	846.60	4233	24.5	23.36	Left	5	0.510	1.300	0.663	0.842	0.526		26.2		
Body-worn/Body	UMTS 850	RMC	E	0779M	1:1	0.00	846.60	4233	24.5	23.36	Back	5	0.152	1.300	0.198	0.251	0.157		31.5		
Body-worn/Body	UMTS 850	RMC	E	0779M	1:1	-0.03	846.60	4233	24.5	23.36	Front	5	0.544	1.300	0.707	0.898	0.561		26.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram							

12.4 UMTS 1750 Standalone SAR

Table 12-16 Ant B Head | Plot A7

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	UMTS 1750	QPSK	B	1165M	1:1	-0.09	1752.60	1513	23.4	22.37	Right Cheek	0	0.083	1.268	0.105	0.134	0.084	Plot	33.1		
Head	UMTS 1750	QPSK	B	1165M	1:1	-0.16	1752.60	1513	23.4	22.37	Right Tilt	0	0.042	1.268	0.053	0.068	0.043		36.1		
Head	UMTS 1750	QPSK	B	1165M	1:1	0.06	1752.60	1513	23.4	22.37	Left Cheek	0	0.073	1.268	0.093	0.118	0.074		33.7		
Head	UMTS 1750	QPSK	B	1165M	1:1	0.00	1752.60	1513	23.4	22.37	Left Tilt	0	0.046	1.268	0.058	0.074	0.046		35.7		
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 12-17 Ant B Open Body | Plot A8, A9

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 1750	RMC	B	0876M	1:1	0.01	1712.40	1312	20.0	19.20	Bottom	5	0.740	1.202	0.889	1.130	0.706		31.4		
Body	UMTS 1750	RMC	B	0876M	1:1	0.00	1732.40	1412	20.0	19.47	Bottom	5	0.797	1.130	0.901	1.144	0.715		31.4		
Body	UMTS 1750	RMC	B	0876M	1:1	0.00	1752.60	1513	20.0	19.75	Bottom	5	0.822	1.059	0.870	1.106	0.691	Plot	31.5		
Body	UMTS 1750	RMC	B	0876M	1:1	-0.02	1752.60	1513	20.0	19.75	Left	5	0.293	1.059	0.310	0.394	0.246		36.0		
Body-worn/Body	UMTS 1750	RMC	B	0876M	1:1	-0.06	1732.40	1312	20.0	19.20	Back	5	0.686	1.202	0.803	1.020	0.628		29.5		
Body-worn/Body	UMTS 1750	RMC	B	0876M	1:1	-0.03	1732.40	1412	20.0	19.47	Back	5	0.721	1.130	0.826	1.049	0.656		31.7		
Body-worn/Body	UMTS 1750	RMC	B	0876M	1:1	-0.05	1752.60	1513	20.0	19.75	Back	5	0.759	1.059	0.804	1.021	0.628	Plot	31.9		
Body-worn/Body	UMTS 1750	RMC	B	0876M	1:1	-0.04	1712.40	1312	20.0	19.20	Front	5	0.435	1.202	0.523	0.664	0.415		33.7		
Body-worn/Body	UMTS 1750	RMC	B	0876M	1:1	-0.08	1732.40	1412	20.0	19.47	Front	5	0.374	1.130	0.423	0.537	0.336		34.7		
Body-worn/Body	UMTS 1750	RMC	B	0876M	1:1	-0.04	1752.60	1513	20.0	19.75	Front	5	0.474	1.059	0.502	0.637	0.398		33.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 12-18 Ant B Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 1750	RMC	B	1165M	1:1	0.01	1712.40	1312	20.0	19.20	Bottom	5	0.695	1.202	0.835	1.061	0.663		20.7		
Body	UMTS 1750	RMC	B	1165M	1:1	0.00	1732.40	1412	20.0	19.47	Bottom	5	0.698	1.130	0.789	1.002	0.626		21.0		
Body	UMTS 1750	RMC	B	1165M	1:1	0.01	1752.60	1513	20.0	19.75	Bottom	5	0.767	1.059	0.812	1.032	0.645		20.9		
Body	UMTS 1750	RMC	B	1165M	1:1	-0.17	1752.60	1513	20.0	19.75	Left	5	0.215	1.059	0.228	0.289	0.181		26.4		
Body-worn/Body	UMTS 1750	RMC	B	1165M	1:1	0.00	1752.60	1513	20.0	19.75	Back	5	0.569	1.059	0.603	0.765	0.478		22.1		
Body-worn/Body	UMTS 1750	RMC	B	1165M	1:1	0.01	1752.60	1513	20.0	19.75	Front	5	0.079	1.059	0.084	0.106	0.066		30.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram							

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Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		 Page 143 of 198

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12.5 UMTS 1900 Standalone SAR

Table 12-19 Ant B Head | Plot A10

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	UMTS 1900	RMC	B	1165M	1:1	0.08	1907.60	9538	23.4	21.87	Right Cheek	0	0.075	1.422	0.107	0.135	0.084	Plot	33.1	33.1	22.4
Head	UMTS 1900	RMC	B	1165M	1:1	-0.08	1907.60	9538	23.4	21.87	Right Tilt	0	0.044	1.422	0.063	0.079	0.049		35.4		
Head	UMTS 1900	RMC	B	1165M	1:1	0.05	1907.60	9538	23.4	21.87	Left Cheek	0	0.069	1.422	0.098	0.125	0.078		33.4		
Head	UMTS 1900	RMC	B	1165M	1:1	0.08	1907.60	9538	23.4	21.87	Left Tilt	0	0.046	1.422	0.065	0.083	0.052		35.2		
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 12-20 Ant B Open Body | Plot A11, A12

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 1900	RMC	B	0876M	1:1	0.02	1852.40	9262	18.5	17.84	Bottom	5	0.809	1.164	0.942	1.196	0.748		29.7	28.9	17.5
Body	UMTS 1900	RMC	B	0876M	1:1	-0.01	1880.00	9400	18.5	17.77	Bottom	5	0.952	1.183	1.126	1.430	0.894	Plot	28.9		
Body	UMTS 1900	RMC	B	0876M	1:1	0.01	1907.60	9538	18.5	17.95	Bottom	5	0.951	1.135	1.079	1.371	0.857		29.1		
Body	UMTS 1900	RMC	B	0876M	1:1	-0.08	1907.60	9538	18.5	17.95	Left	5	0.267	1.135	0.303	0.385	0.241		34.6		
Body-worn/Body	UMTS 1900	RMC	B	0876M	1:1	-0.04	1852.40	9262	18.5	17.84	Back	5	0.654	1.164	0.761	0.967	0.604		30.6	29.2	29.2
Body-worn/Body	UMTS 1900	RMC	B	0876M	1:1	-0.01	1880.00	9400	18.5	17.77	Back	5	0.879	1.183	1.040	1.321	0.826		29.2		
Body-worn/Body	UMTS 1900	RMC	B	0876M	1:1	-0.05	1907.60	9538	18.5	17.95	Back	5	0.911	1.135	1.034	1.313	0.821	Plot	29.3		
Body-worn/Body	UMTS 1900	RMC	B	0876M	1:1	-0.02	1907.60	9538	18.5	17.95	Front	5	0.502	1.135	0.570	0.724	0.453		31.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-21 Ant B Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 1900	RMC	B	0876M	1:1	0.00	1852.40	9262	19.5	18.45	Bottom	5	0.657	1.274	0.837	1.063	0.664		31.2	29.9	18.5
Body	UMTS 1900	RMC	B	0876M	1:1	-0.01	1880.00	9400	19.5	18.22	Bottom	5	0.759	1.343	1.019	1.295	0.809		30.3		
Body	UMTS 1900	RMC	B	0876M	1:1	0.01	1907.60	9538	19.5	18.47	Bottom	5	0.879	1.268	1.115	1.416	0.885		29.9		
Body	UMTS 1900	RMC	B	0876M	1:1	-0.01	1907.60	9538	19.5	18.47	Left	5	0.190	1.268	0.241	0.306	0.191		36.6		
Body-worn/Body	UMTS 1900	RMC	B	0876M	1:1	-0.06	1852.40	9262	19.5	18.45	Back	5	0.464	1.274	0.591	0.751	0.469		32.7	31.0	
Body-worn/Body	UMTS 1900	RMC	B	0876M	1:1	-0.01	1880.00	9400	19.5	18.22	Back	5	0.657	1.343	0.882	1.121	0.701		31.0		
Body-worn/Body	UMTS 1900	RMC	B	0876M	1:1	-0.02	1907.60	9538	19.5	18.47	Back	5	0.740	1.268	0.918	1.192	0.745		30.7		
Body-worn/Body	UMTS 1900	RMC	B	0876M	1:1	0.05	1907.60	9538	19.5	18.47	Front	5	0.057	1.268	0.072	0.092	0.058		41.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population 1.6 W/kg (mW/g) averaged over 1 gram																					

12.6 LTE Band 71 Standalone SAR

Table 12-22 Ant A Head

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 71	20	QPSK	A	0869M	1:1	-0.10	680.50	133297	0.0	25.0	24.09	1	0	Right Cheek	0	1	0.355	1.233	0.238	0.238	0.149		31.2	30.9	25.0
Head	LTE Band 71	20	QPSK	A	0869M	1:1	-0.03	680.50	133297	1.0	24.0	22.91	50	0	Right Cheek	0	1	0.158	1.285	0.203	0.256	0.180		30.9		
Head	LTE Band 71	20	QPSK	A	0869M	1:1	0.05	680.50	133297	0.0	25.0	24.09	1	0	Right Tilt	0	1	0.091	1.233	0.112	0.112	0.070		34.4		
Head	LTE Band 71	20	QPSK	A	0869M	1:1	0.04	680.50	133297	1.0	24.0	22.91	50	0	Right Tilt	0	1	0.077	1.285	0.099	0.125	0.078		34.0		
Head	LTE Band 71	20	QPSK	A	0869M	1:1	0.12	680.50	133297	0.0	25.0	24.09	1	0	Left Cheek	0	1	0.365	1.233	0.203	0.203	0.127		31.9	34.0	34.0
Head	LTE Band 71	20	QPSK	A	0869M	1:1	-0.03	680.50	133297	1.0	24.0	22.91	50	0	Left Cheek	0	1	0.127	1.285	0.163	0.205	0.138		31.8		
Head	LTE Band 71	20	QPSK	A	0869M	1:1	0.16	680.50	133297	0.0	25.0	24.09	1	0	Left Tilt	0	1	0.190	1.233	0.123	0.123	0.077		34.0		
Head	LTE Band 71	20	QPSK	A	0869M	1:1	0.03	680.50	133297	1.0	24.0	22.91	50	0	Left Tilt	0	1	0.077	1.285	0.099	0.125	0.078		34.0		
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 12-23 Ant E Head | Plot A13

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 71	20	QPSK	E	0777M	1:1	-0.21	680.50	133297	0.0	22.5	21.78	1	0	Right Cheek	0	0.676	1.076	0.727	0.924	0.578		34.8	34.3	21.5
Head	LTE Band 71	20	QPSK	E	0777M	1:1	0.00	680.50	133297	0.0	22.5	21.82	50	0	Right Cheek	0	0.684	1.169	0.800	1.015	0.634		34.4		
Head	LTE Band 71	20	QPSK	E	0777M	1:1	-0.02	680.50	133297	0.0	22.5	21.81	100	0	Right Cheek	0	0.695	1.172	0.815	1.034	0.646	Plot	34.3		
Head	LTE Band 71	20	QPSK	E	0777M	1:1	-0.16	680.50	133297	0.0	22.5	21.78	1	0	Right Tilt	0	0.241	1.076	0.259	0.329	0.206		39.3		
Head	LTE Band 71	20	QPSK	E	0777M	1:1	0.01	680.50	133297	0.0	22.5	21.82	50	0	Right Tilt	0	0.235	1.169	0.275	0.349	0.218		39.0	38.8	42.1
Head	LTE Band 71	20	QPSK	E	0777M	1:1	0.13	680.50	133297	0.0	22.5	21.78	1	0	Left Cheek	0	0.272	1.076	0.293	0.372	0.233		38.8		
Head	LTE Band 71	20	QPSK	E	0777M	1:1	-0.01	680.50	133297	0.0	22.5	21.82	50	0	Left Cheek	0	0.283	1.169	0.330	0.419	0.262		38.2		
Head	LTE Band 71	20	QPSK	E	0777M	1:1	-0.16	680.50	133297	0.0	22.5	21.78	1	0	Left Tilt	0	0.127	1.076	0.137	0.174	0.109		42.1		
Head	LTE Band 71	20	QPSK	E	0777M	1:1	-0.02	680.50	133297	0.0	22.5	21.82	50	0	Left Tilt	0	0.102	1.169	0.143	0.181	0.113		41.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT												Head													
Spatial Peak												1.6 W/kg (mW/g)													
Uncontrolled Exposure/General Population												averaged over 1 gram													

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Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		 Page 144 of 198

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Table 12-24 Ant A Open Body | Plot A14

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 71	20	QPSK	A	0777M	1:1	-0.01	680.50	133297	0.0	25.0	24.09	1	0	Bottom	5	1	0.791	1.233	0.626	0.576	0.378		24.1		
Body	LTE Band 71	20	QPSK	A	0777M	1:1	-0.02	680.50	133297	1.0	24.0	22.91	50	0	Bottom	5	1	0.594	1.285	0.763	0.761	0.488		25.1		
Body	LTE Band 71	20	QPSK	A	0777M	1:1	0.02	680.50	133297	1.0	24.0	22.86	100	0	Bottom	5	1	0.559	1.390	0.727	0.743	0.464		25.2		
Body	LTE Band 71	20	QPSK	A	0777M	1:1	-0.15	680.50	133297	0.0	25.0	24.09	1	0	Right	5	1	0.805	1.233	0.746	0.746	0.466		26.2		
Body	LTE Band 71	20	QPSK	A	0777M	1:1	0.02	680.50	133297	1.0	24.0	22.91	50	0	Right	5	1	0.675	1.285	0.810	0.825	0.391		26.1		
Body-worn/Body	LTE Band 71	20	QPSK	A	0777M	1:1	-0.01	680.50	133297	0.0	25.0	24.09	1	0	Back	5	1	0.552	1.233	1.149	1.149	0.718	Plot	24.3		24.1
Body-worn/Body	LTE Band 71	20	QPSK	A	0777M	1:1	-0.04	680.50	133297	1.0	24.0	22.91	50	0	Back	5	1	0.733	1.285	0.942	0.964	0.603		24.2		
Body-worn/Body	LTE Band 71	20	QPSK	A	0777M	1:1	0.01	680.50	133297	1.0	24.0	22.86	100	0	Back	5	1	0.747	1.390	0.971	0.994	0.623		24.1		
Body-worn/Body	LTE Band 71	20	QPSK	A	0777M	1:1	0.12	680.50	133297	0.0	25.0	24.09	1	0	Front	5	1	0.522	1.233	0.644	0.644	0.403		26.9		
Body-worn/Body	LTE Band 71	20	QPSK	A	0777M	1:1	-0.07	680.50	133297	1.0	24.0	22.91	50	0	Front	5	1	0.432	1.285	0.555	0.568	0.355		26.5		
ANSI/IEEE C63.19-2 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
																		Body								
																		1.6 W/kg (mW/g)								
																		averaged over 1 gram								

Table 12-25 Ant A Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 71	20	QPSK	A	0162M	1:1	0.03	680.50	133297	0.0	25.0	24.09	1	0	Bottom	5	1	0.526	1.213	0.402	0.402	0.251		29.5		
Body	LTE Band 71	20	QPSK	A	0350M	1:1	-0.06	680.50	133297	1.0	24.0	22.91	50	0	Bottom	5	1	0.389	1.385	0.371	0.457	0.286		28.3		
Body	LTE Band 71	20	QPSK	A	0350M	1:1	-0.06	680.50	133297	0.0	25.0	24.09	1	0	Right	5	1	0.207	1.233	0.235	0.235	0.159		30.5		
Body	LTE Band 71	20	QPSK	A	0350M	1:1	-0.05	680.50	133297	1.0	24.0	22.91	50	0	Right	5	1	0.166	1.285	0.211	0.259	0.162		30.7		
Body-worn/Body	LTE Band 71	20	QPSK	A	0866M	1:1	0.01	680.50	133297	0.0	25.0	24.09	1	0	Back	5	1	0.719	1.233	0.887	0.887	0.554		25.9		24.9
Body-worn/Body	LTE Band 71	20	QPSK	A	0350M	1:1	0.03	680.50	133297	1.0	24.0	22.91	50	0	Back	5	1	0.569	1.285	0.731	0.900	0.563		25.2		24.9
Body-worn/Body	LTE Band 71	20	QPSK	A	0866M	1:1	-0.02	680.50	133297	1.0	24.0	22.86	100	0	Back	5	1	0.894	1.390	0.798	0.962	0.614		24.9		24.9
Body-worn/Body	LTE Band 71	20	QPSK	A	0350M	1:1	0.08	680.50	133297	0.0	25.0	24.09	1	0	Front	5	1	0.896	1.233	0.321	0.321	0.076		34.1		24.9
Body-worn/Body	LTE Band 71	20	QPSK	A	0350M	1:1	-0.02	680.50	133297	1.0	24.0	22.91	50	0	Front	5	1	0.680	1.285	0.105	0.130	0.081		33.7		24.9
ANSI/IEEE C63.19-2 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-26 Ant E Open Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 71	20	QPSK	E	0777M	1:1	0.06	680.50	133297	0.0	23.0	22.63	1	0	Top	5	0.036	1.089	0.039	0.050	0.031		48.0		
Body	LTE Band 71	20	QPSK	E	0777M	1:1	0.06	680.50	133297	0.0	23.0	22.31	50	0	Top	5	0.037	1.172	0.043	0.055	0.034		47.5		
Body	LTE Band 71	20	QPSK	E	0375M	1:1	-0.01	680.50	133297	0.0	23.0	22.63	1	0	Left	5	0.636	1.089	0.693	0.680	0.520		35.5		
Body	LTE Band 71	20	QPSK	E	0375M	1:1	0.05	680.50	133297	0.0	23.0	22.31	50	0	Left	5	0.643	1.172	0.754	0.957	0.598		35.1		
Body-worn/Body	LTE Band 71	20	QPSK	E	0777M	1:1	0.02	680.50	133297	0.0	23.0	22.63	50	0	Back	5	0.642	1.089	0.481	0.611	0.382		37.1		
Body-worn/Body	LTE Band 71	20	QPSK	E	0777M	1:1	0.00	680.50	133297	0.0	23.0	22.31	50	0	Back	5	0.434	1.172	0.909	0.646	0.404		36.9		
Body-worn/Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.12	680.50	133297	0.0	23.0	22.63	1	0	Front	5	0.440	1.089	0.479	0.609	0.381		37.1		
Body-worn/Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.01	680.50	133297	0.0	23.0	22.31	50	0	Front	5	0.430	1.172	0.504	0.640	0.400		36.9		
ANSI/IEEE C63.19-2 - SAFETY LIMIT																		Body							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

Table 12-27 Ant E Closed Body

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]		Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	US Plimit [dBm]
Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.20	680.50	133297	0.0	23.0	22.63	1	0	Top	5		0.025	1.089	0.027	0.035	0.022		38.6		
Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.08	680.50	133297	0.0	23.0	22.31	50	0	Top	5		0.021	1.172	0.025	0.031	0.019		39.0		
Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.09	680.50	133297	0.0	23.0	22.60	1	0	Bottom	5		0.034	1.089	0.037	0.047	0.029		37.3		
Body	LTE Band 71	20	QPSK	E	0777M	1:1	0.11	680.50	133297	0.0	23.0	22.31	50	0	Bottom	5		0.031	1.172	0.036	0.046	0.029		37.3		
Body	LTE Band 71	20	QPSK	E	0777M	1:1	0.02	680.50	133297	0.0	23.0	22.63	1	0	Left	5		0.205	1.089	0.219	0.278	0.174		29.5		
Body	LTE Band 71	20	QPSK	E	0777M	1:1	0.00	680.50	133297	0.0	23.0	22.31	50	0	Left	5		0.197	1.172	0.231	0.293	0.183		29.3		
Body-worn/Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.19	680.50	133297	0.0	23.0	22.63	1	0	Back	5		0.062	1.089	0.068	0.086	0.054		34.7		
Body-worn/Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.15	680.50	133297	0.0	23.0	22.31	50	0	Back	5		0.068	1.172	0.068	0.086	0.054		34.6		
Body-worn/Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.01	680.50	133297	0.0	23.0	22.63	1	0	Front	5		0.185	1.089	0.201	0.256	0.160		29.9		
Body-worn/Body	LTE Band 71	20	QPSK	E	0777M	1:1	-0.21	680.50	133297	0.0	23.0	22.31	50	0	Front	5		0.191	1.172	0.224	0.284	0.178		29.4		
ANSI/IEEE C63.19-2 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.7 LTE Band 12 Standalone SAR

Table 12-28 Ant A Head

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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	LTE Band 12	10	QPSK	A	0777M	1:1	0.12	707.50	23095	0.0	25.0	24.37	1	25	Right Cheek	0	1	0.163	1.104	0.180	0.227	0.142		32.4		
Head	LTE Band 12	10	QPSK	A	0777M	1:1	0.04	707.50	23095	1.0	24.0	23.62	25	12	Right Cheek	0	1	0.127	1.091	0.139	0.220	0.138		32.5		
Head	LTE Band 12	10	QPSK	A	0777M	1:1	0.13	707.50	23095	0.0	25.0	24.37	1	25	Right Tib	0	20	0.090	1.104	0.099	0.125	0.078		35.0		
Head	LTE Band 12	10	QPSK	A	0777M	1:1	0.02	707.50	23095	1.0	24.0	23.62	25	12	Right Tib	0	20	0.067	1.091	0.073	0.118	0.073		35.1		32.4
Head	LTE Band 12	10	QPSK	A	0777M	1:1	-0.05	707.50	23095	0.0	25.0	24.37	1	25	Left Cheek	0	20	0.130	1.104	0.144	0.181	0.113		33.4		26.0
Head	LTE Band 12	10	QPSK	A	0777M	1:1	-0.08	707.50	23095	1.0	24.0	23.62	25	12	Left Cheek	0	20	0.108	1.091	0.118	0.187	0.117		33.2		
Head	LTE Band 12	10	QPSK	A	0777M	1:1	0.09	707.50	23095	0.0	25.0	24.37	1	25	Left Tib	0	20	0.085	1.104	0.094	0.118	0.074		35.2		
Head	LTE Band 12	10	QPSK	A	0777M	1:1	-0.00	707.50	23095	1.0	24.0	23.62	25	12	Left Tib	0	20	0.048	1.091	0.053	0.080	0.053		36.7		
AN/IEEE CS-17.1092 - SAFETY LIMIT																										
Spatial Peak																		Head								
Uncontrolled Exposure / General Population																		1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-29 Ant E Head | Plot A15

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	PLimit [dbm]	Overall PLimit [dbm]	EPS PLimit [dbm]
Head	LTE Band 12	10	QPSK	E	0777M	1:1	-0.17	707.50	23095	0.0	22.0	21.20	1	25	Right Cheek	0	0.580	1.202	0.697	0.685	0.553		34.5		
Head	LTE Band 12	10	QPSK	E	0777M	1:1	0.02	707.50	23095	0.0	22.0	21.27	25	25	Right Cheek	0	0.598	1.183	0.707	0.698	0.561	Plot	34.4		
Head	LTE Band 12	10	QPSK	E	0777M	1:1	0.05	707.50	23095	0.0	22.0	21.17	50	0	Right Cheek	0	0.583	1.211	0.706	0.697	0.561		34.4		
Head	LTE Band 12	10	QPSK	E	0777M	1:1	-0.07	707.50	23095	0.0	22.0	21.20	1	25	Right Tib	0	0.593	1.203	0.244	0.310	0.184		35.0		
Head	LTE Band 12	10	QPSK	E	0777M	1:1	0.04	707.50	23095	0.0	22.0	21.27	25	25	Right Tib	0	0.206	1.183	0.244	0.309	0.193		38.1		
Head	LTE Band 12	10	QPSK	E	0777M	1:1	-0.02	707.50	23095	0.0	22.0	21.20	1	25	Left Cheek	0	0.244	1.202	0.293	0.272	0.233		38.2		
Head	LTE Band 12	10	QPSK	E	0777M	1:1	-0.00	707.50	23095	0.0	22.0	21.27	25	25	Left Cheek	0	0.251	1.183	0.297	0.377	0.236		38.2		
Head	LTE Band 12	10	QPSK	E	0777M	1:1	0.01	707.50	23095	0.0	22.0	21.20	1	25	Left Tib	0	0.117	1.202	0.135	0.171	0.107		41.6		
Head	LTE Band 12	10	QPSK	E	0777M	1:1	0.00	707.50	23095	0.0	22.0	21.27	25	25	Left Tib	0	0.116	1.183	0.137	0.174	0.109		41.5		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																	Head		1.6 W/kg (mW/g)						
Spatial Peak																			averaged over 1 gram						
Uncontrolled Exposure/General Population																									

Table 12-30 Ant A Open Body | Plot A16

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]	Exposure Ratio (1g SAR)	Plot #	PLimit [dBm]	Overall PLimit [dBm]	EPS PLimit [dBm]
Body	LTE Band 12	10	QPSK	A	0350M	1:1	-0.06	707.50	23095	0.0	23.5	22.06	1	49	Bottom	5	20	0.461	1.107	0.710	0.901	0.563		35.0		
Body	LTE Band 12	10	QPSK	A	0350M	1:1	-0.01	707.50	23095	0.0	23.5	22.94	25	12	Bottom	5	20	0.620	1.138	0.717	0.911	0.569		35.0		
Body	LTE Band 12	10	QPSK	A	0350M	1:1	0.21	707.50	23095	0.0	23.5	23.06	1	49	Right	5	20	0.375	1.107	0.415	0.527	0.329		38.2		
Body	LTE Band 12	10	QPSK	A	0350M	1:1	0.12	707.50	23095	0.0	23.5	22.94	25	12	Right	5	20	0.379	1.138	0.411	0.548	0.343		38.1		
Body-worn/Body	LTE Band 12	10	QPSK	A	0350M	1:1	-0.04	707.50	23095	0.0	23.5	23.06	1	49	Back	5	28	0.866	1.107	0.892	1.113	0.708	Plot	34.9	22.5	
Body-worn/Body	LTE Band 12	10	QPSK	A	0350M	1:1	-0.05	707.50	23095	0.0	23.5	22.94	25	12	Back	5	28	0.756	1.138	0.860	1.093	0.683		35.1		
Body-worn/Body	LTE Band 12	10	QPSK	A	0350M	1:1	-0.03	707.50	23095	0.0	23.5	22.81	50	0	Back	5	28	0.769	1.172	0.878	1.115	0.697		35.0		
Body-worn/Body	LTE Band 12	10	QPSK	A	0350M	1:1	-0.05	707.50	23095	0.0	23.5	23.06	1	49	Front	5	20	0.494	1.107	0.547	0.695	0.434		37.0		
Body-worn/Body	LTE Band 12	10	QPSK	A	0350M	1:1	0.01	707.50	23095	0.0	23.5	22.94	25	12	Front	5	20	0.464	1.138	0.528	0.671	0.419		37.2		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																	Body		1.6 W/kg (mW/g)							
Spatial Peak																			averaged over 1 gram							
Uncontrolled Exposure/General Population																										

Table 12-31 Ant A Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	PLimit [dBm]	Overall PLimit [dBm]	EPS PLimit [dBm]
Body	LTE Band 12	10	QPSK	A	0777M	1:1	0.17	707.50	23095	0.0	24.5	23.58	1	25	Bottom	5	20	0.430	1.236	0.526	0.693	0.427		38.1		
Body	LTE Band 12	10	QPSK	A	0777M	1:1	0.13	707.50	23095	0.5	24.0	23.13	25	12	Bottom	5	20	0.408	1.222	0.499	0.633	0.396		37.0		
Body	LTE Band 12	10	QPSK	A	0777M	1:1	0.21	707.50	23095	0.0	24.5	23.58	1	25	Right	5	29	0.230	1.236	0.284	0.361	0.236		40.0		
Body	LTE Band 12	10	QPSK	A	0777M	1:1	0.01	707.50	23095	0.5	24.0	23.13	25	12	Right	5	29	0.223	1.222	0.273	0.346	0.216		40.6		
Body worn/Body	LTE Band 12	10	QPSK	A	0777M	1:1	-0.18	707.50	23095	0.0	24.5	23.58	1	25	Back	5	20	0.701	1.236	0.866	1.000	0.688	Plot	36.0	35.7	23.5
Body worn/Body	LTE Band 12	10	QPSK	A	0777M	1:1	0.02	707.50	23095	0.5	24.0	23.13	25	12	Back	5	20	0.678	1.222	0.629	1.062	0.658		35.7		
Body worn/Body	LTE Band 12	10	QPSK	A	0777M	1:1	-0.05	707.50	23095	0.5	24.0	23.03	50	0	Back	5	20	0.650	1.250	0.820	1.041	0.651		35.8		
Body worn/Body	LTE Band 12	10	QPSK	A	0777M	1:1	0.09	707.50	23095	0.0	24.5	23.58	1	25	Front	5	20	0.623	1.236	0.628	0.636	0.523		36.0		
Body worn/Body	LTE Band 12	10	QPSK	A	0777M	1:1	0.06	707.50	23095	0.5	24.0	23.13	25	12	Front	5	20	0.622	1.222	0.627	0.634	0.621		35.6		
ANR/IEEE C95.1.1992 - SAFETY LIMIT																	Body		1.6 W/kg (mW/g)							
Spatial Peak																			averaged over 1 gram							
Uncontrolled Exposure/General Population																										

Table 12-32 Ant E Open Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	PLimit [dBm]	Overall PLimit [dBm]	EPS PLimit [dBm]
Body	LTE Band 12	10	QPSK	E	0350M	1:1	-0.06	707.50	23095	0.0	23.0	22.53	1	25	Top	5	0.021	1.114	0.023	0.030	0.019		50.2		
Body	LTE Band 12	10	QPSK	E	0350M	1:1	0.07	707.50	23095	0.0	23.0	22.30	25	25	Top	5	0.020	1.175	0.024	0.030	0.019		50.2		
Body	LTE Band 12	10	QPSK	E	0350M	1:1	-0.03	707.50	23095	0.0	23.0	22.53	1	25	Left	5	0.478	1.114	0.512	0.676	0.421		36.7		
Body	LTE Band 12	10	QPSK	E	0350M	1:1	-0.04	707.50	23095	0.0	23.0	22.30	25	25	Left	5	0.479	1.175	0.561	0.715	0.447		36.4		
Body worn/Body	LTE Band 12	10	QPSK	E	0350M	1:1	0.00	707.50	23095	0.0	23.0	22.53	1	25	Back	5	0.306	1.114	0.341	0.443	0.271		38.4		
Body worn/Body	LTE Band 12	10	QPSK	E	0350M	1:1	-0.04	707.50	23095	0.0	23.0	22.30	25	25	Back	5	0.314	1.175	0.369	0.469	0.293		38.2		
Body worn/Body	LTE Band 12	10	QPSK	E	0350M	1:1	-0.12	707.50	23095	0.0	23.0	22.53	1	25	Front	5	0.302	1.114	0.316	0.427	0.267		38.6		
Body worn/Body	LTE Band 12	10	QPSK	E	0350M	1:1	-0.05	707.50	23095	0.0	23.0	22.30	25	25	Front	5	0.308	1.175	0.362	0.460	0.288		38.1		
ANR/IEEE C95.1.1992 - SAFETY LIMIT																	Body		1.6 W/kg (mW/g)						
Spatial Peak																			averaged over 1 gram						
Uncontrolled Exposure/General Population																									

Table 12-33 Ant E Closed Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	PLimit [dBm]	Overall PLimit [dBm]	EPS PLimit [dBm]		
Body	LTE Band 12	10	QPSK	E	0777M	1:1	0.07	707.50	23095	0.0	23.5	23.14	1	25	Top	5	0.006	1.086	0.007	0.008	0.005		45.3				
Body	LTE Band 12	10	QPSK	E	0777M	1:1	0.03	707.50	23095	0.0	23.5	23.15	25	12	Top	5	0.005	1.084	0.005	0.007	0.004		46.1				
Body	LTE Band 12	10	QPSK	E	0777M	1:1	-0.10	707.50	23095	0.0	23.5	23.14	1	25	Bottom	5	0.008	1.086	0.009	0.011	0.007		44.1				
Body	LTE Band 12	10	QPSK	E	0777M	1:1	-0.08	707.50	23095	0.0	23.5	23.15	25	12	Bottom	5	0.008	1.084	0.009	0.011	0.007		44.1				
Body	LTE Band 12	10	QPSK	E	0777M	1:1	-0.20	707.50	23095	0.0	23.5	23.14	1	25	Left	5	0.007	1.086	0.012	0.014	0.005		32.8	22.5			
Body	LTE Band 12	10	QPSK	E	0777M	1:1	-0.03	707.50	23095	0.0	23.5	23.15	25	12	Left	5	0.002	1.084	0.011	0.040	0.088		33.0				
Body worn/Body	LTE Band 12	10	QPSK	E	0777M	1:1	-0.16	707.50	23095	0.0	23.5	23.14	1	25	Back	5	0.011	1.086	0.034	0.043	0.027		38.2				
Body worn/Body	LTE Band 12	10	QPSK	E	0777M	1:1	-0.08	707.50	23095	0.0	23.5	23.15	25	12	Back	5	0.033	1.084	0.035	0.044	0.038		38.0				
Body worn/Body	LTE Band 12	10	QPSK	E	0777M	1:1	0.07	707.50	23095	0.0	23.5	23.14	1	25	Front	5	0.009	1.086	0.010	0.037	0.006		33.4				
Body worn/Body	LTE Band 12	10	QPSK	E	0777M	1:1	-0.06	707.50	23095	0.0	23.5	23.15	25	12	Front	5	0.083	1.084	0.101	0.128	0.080		33.4				
ANSI/IEEE C63.19-2012 - SAFETY LIMIT																	Body 1.0 W/kg (mW/g) averaged over 1 gram										
Uncontrolled Exposure/General Population																											



12.8 LTE Band 13 Standalone SAR

Table 12-34 Ant A Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EPS Pinnt [dBm]
Head	LTE Band 13	10	QPSK	A	0777M	1:1	-0.15	782.00	23230	0.0	25.0	24.44	1	25	Right Cheek	0	110	0.214	1.138	0.244	0.306	0.191		31.1	31.1	26.0
Head	LTE Band 13	10	QPSK	A	0777M	1:1	0.01	782.00	23230	1.0	24.0	23.30	25	0	Right Cheek	0	110	0.165	1.175	0.194	0.207	0.192		31.1	31.1	26.0
Head	LTE Band 13	10	QPSK	A	0777M	1:1	-0.03	782.00	23230	0.0	25.0	24.44	1	25	Right Tit	0	59	0.105	1.138	0.119	0.150	0.098		34.1	34.1	26.0
Head	LTE Band 13	10	QPSK	A	0777M	1:1	-0.02	782.00	23230	1.0	24.0	23.30	25	0	Right Tit	0	59	0.085	1.175	0.100	0.118	0.099		34.0	34.0	26.0
Head	LTE Band 13	10	QPSK	A	0777M	1:1	-0.20	782.00	23230	0.0	25.0	24.44	1	25	Left Cheek	0	59	0.144	1.138	0.164	0.206	0.129		32.8	32.8	26.0
Head	LTE Band 13	10	QPSK	A	0777M	1:1	-0.05	782.00	23230	1.0	24.0	23.30	25	0	Left Cheek	0	59	0.112	1.175	0.132	0.209	0.131		32.8	32.8	26.0
Head	LTE Band 13	10	QPSK	A	0777M	1:1	0.08	782.00	23230	0.0	25.0	24.44	1	25	Left Tit	0	59	0.109	1.138	0.117	0.147	0.099		34.1	34.1	26.0
Head	LTE Band 13	10	QPSK	A	0777M	1:1	0.03	782.00	23230	1.0	24.0	23.30	25	0	Left Tit	0	59	0.082	1.175	0.096	0.113	0.096		34.1	34.1	26.0
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 12-35 Ant E Head | Plot A17

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EPS Pinnt [dBm]
Head	LTE Band 13	10	QPSK	E	0777M	1:1	0.05	782.00	23230	0.0	21.0	20.19	1	0	Right Cheek	0	0.667	1.151	0.768	0.975	0.609	33.1	33.1	20.0	
Head	LTE Band 13	10	QPSK	E	0777M	1:1	0.02	782.00	23230	0.0	21.0	20.17	25	0	Right Cheek	0	0.662	1.199	0.810	1.054	0.619	Plot	32.7	32.7	20.0
Head	LTE Band 13	10	QPSK	E	0777M	1:1	-0.01	782.00	23230	0.0	21.0	20.12	50	0	Right Cheek	0	0.661	1.275	0.817	1.063	0.664		32.7	32.7	20.0
Head	LTE Band 13	10	QPSK	E	0777M	1:1	0.04	782.00	23230	0.0	21.0	20.19	1	0	Right Tit	0	0.719	1.151	0.242	0.307	0.152		38.1	38.1	20.0
Head	LTE Band 13	10	QPSK	E	0777M	1:1	0.02	782.00	23230	0.0	21.0	20.17	25	0	Right Tit	0	0.718	1.199	0.261	0.332	0.208		37.7	37.7	20.0
Head	LTE Band 13	10	QPSK	E	0777M	1:1	0.21	782.00	23230	0.0	21.0	20.19	1	0	Left Cheek	0	0.262	1.151	0.327	0.381	0.219		37.1	37.1	20.0
Head	LTE Band 13	10	QPSK	E	0777M	1:1	-0.03	782.00	23230	0.0	21.0	20.17	25	0	Left Cheek	0	0.260	1.199	0.336	0.426	0.266		36.7	36.7	20.0
Head	LTE Band 13	10	QPSK	E	0777M	1:1	0.06	782.00	23230	0.0	21.0	20.19	1	0	Left Tit	0	0.127	1.151	0.146	0.196	0.116		40.3	40.3	20.0
Head	LTE Band 13	10	QPSK	E	0777M	1:1	-0.03	782.00	23230	0.0	21.0	20.17	25	0	Left Tit	0	0.128	1.199	0.153	0.195	0.122		40.1	40.1	20.0
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																		Head							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

Table 12-36 Ant A Open Body | Plot A18

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EPS Pinnt [dBm]
Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.04	782.00	23230	0.0	23.5	23.10	1	25	Bottom	5	59	0.800	1.096	0.910	1.155	0.722		23.9		
Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.00	782.00	23230	0.0	23.5	22.97	25	0	Bottom	5	59	0.804	1.130	0.909	1.154	0.721		23.9		
Body	LTE Band 13	10	QPSK	A	0777M	1:1	-0.14	782.00	23230	0.0	23.5	22.92	50	0	Bottom	5	59	0.784	1.143	0.896	1.138	0.711		23.9		
Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.02	782.00	23230	0.0	23.5	23.10	1	25	Right	5	59	0.422	1.096	0.463	0.587	0.367		26.8		
Body	LTE Band 13	10	QPSK	A	0777M	1:1	-0.02	782.00	23230	0.0	23.5	22.97	25	0	Right	5	59	0.428	1.130	0.484	0.614	0.384		26.8		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	-0.01	782.00	23230	0.0	23.5	23.10	1	25	Back	5	59	0.969	1.096	1.050	1.333	0.833	Plot	23.2		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.09	782.00	23230	0.0	23.5	22.97	25	0	Back	5	14	0.953	1.130	1.077	1.368	0.855		23.1		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	-0.02	782.00	23230	0.0	23.5	22.92	50	0	Back	5	14	0.962	1.143	1.031	1.309	0.818		23.3		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	-0.08	782.00	23230	0.0	23.5	23.10	1	25	Front	5	119	0.550	1.096	0.603	0.766	0.479		25.6		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	-0.02	782.00	23230	0.0	23.5	22.97	25	0	Front	5	119	0.523	1.130	0.591	0.751	0.489		25.7		
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																		Body								
Spatial Peak																		1.6 W/kg								
Uncontrolled Exposure/General Population																		averaged over 1 gram								

Table 12-37 Ant A Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EPS Pinnt [dBm]
Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.06	782.00	23230	0.0	24.5	23.85	1	0	Bottom	5	59	0.806	1.161	0.704	0.894	0.519		26.0		
Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.00	782.00	23230	0.5	24.0	23.19	25	0	Bottom	5	59	0.968	1.151	0.654	0.830	0.519		25.8		
Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.02	782.00	23230	0.0	24.5	23.85	1	0	Right	5	22	0.319	1.161	0.254	0.323	0.202		30.4		
Body	LTE Band 13	10	QPSK	A	0777M	1:1	-0.09	782.00	23230	0.5	24.0	23.19	25	0	Right	5	22	0.351	1.151	0.174	0.221	0.138		31.6		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.00	782.00	23230	0.0	24.5	23.85	1	0	Back	5	59	0.804	1.161	0.945	1.200	0.750		24.7		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.05	782.00	23230	0.5	24.0	23.19	25	0	Back	5	59	0.738	1.151	0.849	1.075	0.674		24.5		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.02	782.00	23230	0.5	24.0	23.25	50	0	Back	5	59	0.742	1.189	0.882	1.120	0.700		24.5		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.15	782.00	23230	0.0	24.5	23.85	1	0	Front	5	59	0.306	1.161	0.239	0.304	0.190		30.7		
Body worn/Body	LTE Band 13	10	QPSK	A	0777M	1:1	0.02	782.00	23230	0.5	24.0	23.19	25	0	Front	5	59	0.141	1.151	0.162	0.206	0.129		31.8		
ANSI/IEEE C95.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-38 Ant E Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	US Pinnt [dBm]	
Body	LTE Band 13	10	QPSK	E	0777M	1:1	0.04	782.00	23230	0.0	22.0	21.11	1	0	Top	5	0.668	1.227	0.959	0.975	0.647		45.2	45.2	33.9	21.0
Body	LTE Band 13	10	QPSK	E	0777M	1:1	-0.04	782.00	23230	0.0	22.0	21.17	25	0	Top	5	0.666	1.211	0.956	0.975	0.644		45.2	45.2		
Body	LTE Band 13	10	QPSK	E	0777M	1:1	0.07	782.00	23230	0.0	22.0	21.11	1	0	Left	5	0.660	1.227	0.798	1.013	0.633		39.0	39.0		
Body	LTE Band 13	10	QPSK	E	0777M	1:1	0.04	782.00	23230	0.0	22.0	21.17	25	0	Left	5	0.660	1.211	0.787	1.000	0.625		39.0	39.0		
Body worn/Body	LTE Band 13	10	QPSK	E	0777M	1:1	0.05	782.00	23230	0.0	22.0	21.11	1	0	Back	5	0.484	1.227	0.656	0.770	0.481		35.1	35.1		
Body worn/Body	LTE Band 13	10	QPSK	E	0777M	1:1	0.00	782.00	23230	0.0	22.0	21.17	25	0	Back	5	0.486	1.211	0.601	0.763	0.477		35.1	35.1		
Body worn/Body	LTE Band 13	10	QPSK	E	0777M	1:1	0.05	782.00	23230	0.0	22.0	21.11	1	0	Front	5	0.491	1.227	0.581	0.749	0.580		35.3	35.3		
Body worn/Body	LTE Band 13	10	QPSK	E	0777M	1:1	-0.08	782.00	23230	0.0	22.0	21.17	25	0	Front	5	0.491	1.211	0.595	0.755	0.472		35.2	35.2		
AN/USEE C83.1392 - SAFETY LIMIT												Spatial Peak														
Uncontrolled Exposure/General Population												1.6 W/kg (w/kg) averaged over 1 gram														



12.9 LTE Band 14 Standalone SAR

Table 12-40 Ant A Head

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]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EPS Plimt [dBm]
Head	LTE Band 14	10	QPSK	A	0375M	1:1	-0.11	793.00	23330	0.0	25.0	24.48	1	0	Right Cheek	0	110	0.192	1.127	0.216	0.272	0.170		31.6		
Head	LTE Band 14	10	QPSK	A	0777M	1:1	0.02	793.00	23330	1.0	24.0	23.55	25	12	Right Cheek	0	110	0.192	1.109	0.174	0.276	0.173		31.5		
Head	LTE Band 14	10	QPSK	A	0777M	1:1	-0.11	793.00	23330	0.0	25.0	24.48	1	0	Right Tilt	0	32	0.191	1.127	0.175	0.158	0.089		34.0		
Head	LTE Band 14	10	QPSK	A	0777M	1:1	-0.05	793.00	23330	1.0	24.0	23.55	25	12	Right Tilt	0	32	0.079	1.109	0.088	0.139	0.087		34.5		
Head	LTE Band 14	10	QPSK	A	0777M	1:1	0.07	793.00	23330	0.0	25.0	24.48	1	0	Left Cheek	0	104	0.149	1.127	0.168	0.211	0.132		32.7		
Head	LTE Band 14	10	QPSK	A	0777M	1:1	0.03	793.00	23330	1.0	24.0	23.55	25	12	Left Cheek	0	104	0.118	1.109	0.131	0.207	0.129		32.8		
Head	LTE Band 14	10	QPSK	A	0777M	1:1	-0.02	793.00	23330	0.0	25.0	24.48	1	0	Left Tilt	0	104	0.189	1.127	0.133	0.142	0.089		34.1		
Head	LTE Band 14	10	QPSK	A	0777M	1:1	0.04	793.00	23330	1.0	24.0	23.55	25	12	Left Tilt	0	104	0.063	1.109	0.070	0.111	0.069		35.1		
ANSI/IEEE C63.19-2 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-41 Ant E Head | Plot A19

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EPS Plimt [dBm]
Head	LTE Band 14	10	QPSK	E	0375M	1:1	0.02	793.00	23330	0.0	21.5	20.01	1	0	Right Cheek	0	0.567	1.409	0.799	1.015	0.634		33.4		
Head	LTE Band 14	10	QPSK	E	0375M	1:1	0.00	793.00	23330	0.0	21.5	20.01	25	12	Right Cheek	0	0.570	1.403	0.800	1.016	0.635		33.4		
Head	LTE Band 14	10	QPSK	E	0375M	1:1	-0.01	793.00	23330	0.0	21.5	19.98	50	0	Right Cheek	0	0.624	1.419	0.885	1.125	0.703	Plot	33.9		
Head	LTE Band 14	10	QPSK	E	0777M	1:1	-0.10	793.00	23330	0.0	21.5	20.01	1	0	Right Tilt	0	0.268	1.409	0.378	0.480	0.300		36.6		
Head	LTE Band 14	10	QPSK	E	0777M	1:1	0.02	793.00	23330	0.0	21.5	20.03	25	12	Right Tilt	0	0.271	1.403	0.380	0.483	0.302		36.6		
Head	LTE Band 14	10	QPSK	E	0777M	1:1	0.01	793.00	23330	0.0	21.5	20.03	1	0	Left Cheek	0	0.213	1.409	0.441	0.540	0.359		36.0	32.9	20.5
Head	LTE Band 14	10	QPSK	E	0777M	1:1	0.01	793.00	23330	0.0	21.5	20.03	25	12	Left Cheek	0	0.262	1.403	0.424	0.538	0.336		36.1		
Head	LTE Band 14	10	QPSK	E	0777M	1:1	-0.02	793.00	23330	0.0	21.5	20.01	1	0	Left Tilt	0	0.191	1.409	0.190	0.242	0.151		39.6		
ANSI/IEEE C63.19-2 - SAFETY LIMIT																		Head							
Spatial Peak																		1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																		averaged over 1 gram							

Table 12-42 Ant A Open Body | Plot A20

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]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EPS Plimt [dBm]
Body	LTE Band 14	10	QPSK	A	0777M	1:1	-0.06	793.00	23330	0.0	23.5	23.11	1	25	Bottom	5	95	0.808	1.094	0.884	1.123	0.702		24.0		
Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.00	793.00	23330	0.0	23.5	22.79	25	12	Bottom	5	96	0.797	1.178	0.927	1.117	0.736		23.8		
Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.01	793.00	23330	0.0	23.5	22.75	50	0	Bottom	5	96	0.735	1.189	0.874	1.110	0.694		24.0		
Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.20	793.00	23330	0.0	23.5	23.11	1	25	Right	5	104	0.418	1.094	0.457	0.581	0.363		26.8		
Body	LTE Band 14	10	QPSK	A	0777M	1:1	-0.03	793.00	23330	0.0	23.5	22.79	25	12	Right	5	104	0.438	1.178	0.492	0.625	0.391		26.5		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.09	793.00	23330	0.0	23.5	23.11	1	25	Back	5	110	0.917	1.094	1.003	1.274	0.796	Plot	23.4		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.01	793.00	23330	0.0	23.5	22.79	25	12	Back	5	110	0.961	1.178	1.061	1.348	0.843		23.1		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	-0.02	793.00	23330	0.0	23.5	22.75	50	0	Back	5	110	0.856	1.189	1.018	1.293	0.808		23.4		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.11	793.00	23330	0.0	23.5	23.11	1	25	Front	5	110	0.516	1.094	0.565	0.717	0.448		25.9		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.02	793.00	23330	0.0	23.5	22.79	25	12	Front	5	110	0.553	1.178	0.628	0.797	0.498		25.5		
ANSI/IEEE C63.19-2 - SAFETY LIMIT																		Body								
Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-43 Ant A Closed Body

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]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EPS Plimt [dBm]
Body	LTE Band 14	10	QPSK	A	0777M	1:1	-0.03	793.00	23330	0.0	24.5	23.10	1	0	Bottom	5	95	0.581	1.259	0.711	0.929	0.581		25.8		
Body	LTE Band 14	10	QPSK	A	0777M	1:1	-0.05	793.00	23330	0.0	24.5	23.16	25	12	Bottom	5	95	0.510	1.213	0.819	0.786	0.491		25.8		
Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.18	793.00	23330	0.0	24.5	23.10	1	0	Right	5	95	0.199	1.259	0.251	0.318	0.199		30.5		
Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.15	793.00	23330	0.0	24.5	23.16	25	12	Right	5	95	0.179	1.213	0.217	0.276	0.173		30.6		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	-0.11	793.00	23330	0.0	24.5	23.10	1	0	Back	5	95	0.873	1.259	1.046	1.325	0.831		24.3		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	-0.05	793.00	23330	0.0	24.5	23.16	25	12	Back	5	95	0.754	1.213	0.915	1.162	0.726		24.5		23.5
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.00	793.00	23330	0.0	24.5	23.16	25	0	Back	5	95	0.760	1.219	0.926	1.177	0.736		24.3		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	0.06	793.00	23330	0.0	24.5	23.10	1	0	Front	5	95	0.353	1.259	0.193	0.245	0.153		31.6		
Body worn/Body	LTE Band 14	10	QPSK	A	0777M	1:1	-0.20	793.00	23330	0.0	24.0	23.16	25	12	Front	5	95	0.153	1.213	0.183	0.233	0.146		31.3		
ANSI/IEEE C63.19-2 - SAFETY LIMIT																		Body								
Spatial Peak																		1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																		averaged over 1 gram								

Table 12-44 Ant E Open Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EPS Plimt [dBm]
Body	LTE Band 14	10	QPSK	E	0777M	1:1	0.07	793.00	23330	0.0	22.5	21.03	1	25	Top	5	0.051	1.403	0.072	0.091	0.057		44.9		
Body	LTE Band 14	10	QPSK	E	0777M	1:1	-0.06	793.00	23330	0.0	22.5	20.85	25	12	Top	5	0.048	1.462	0.070	0.089	0.056		45.0		
Body	LTE Band 14	10	QPSK	E	0369M	1:1	-0.02	793.00	23330	0.0	22.5	21.03	1	25	Left	5	0.517	1.403	0.725	0.921	0.576		34.8		
Body	LTE Band 14	10	QPSK	E	0369M	1:1	-0.02	793.00	23330	0.0	22.5	20.85	25	12	Left	5	0.510	1.462	0.746	0.947	0.592		34.7		
Body worn/Body	LTE Band 14	10	QPSK	E	0908M	1:1	0.00	793.00	23330	0.0	22.5	21.03	1	25	Back	5	0.285	1.403	0.400	0.508	0.318		37.4	34.7	21.5
Body worn/Body	LTE Band 14	10	QPSK	E	0908M	1:1	-0.11	793.00	23330	0.0	22.5	20.85	25	12	Back	5	0.246	1.462	0.389	0.494	0.309		37.5		
Body worn/Body	LTE Band 14	10	QPSK	E	0908M	1:1	0.02	793.00	23330	0.0	22.5	21.03	1	25	Front	5	0.320	1.403	0.449	0.576	0.356		36.9		
Body worn/Body	LTE Band 14	10	QPSK	E	0908M	1:1	-0.03	793.00	23330	0.0	22.5	20.85	25	12	Front	5	0.313	1.462	0.438	0.581	0.383		36.8		
ANNO/REC CSEL 1902 - SAFETY LIMIT																									
Spatial Peak																	1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																	averaged over 1 gram								



12.10 LTE Band 26 (Cell) Standalone SAR

Table 12-46 Ant A Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EPS Pinnt [dBm]
Head	LTE Band 26	15	QPSK	A	0777M	1:1	-0.13	831.50	26865	0.0	24.5	24.00	1	74	Right Cheek	0	89	0.141	1.122	0.158	0.223	0.139		32.5		
Head	LTE Band 26	15	QPSK	A	0777M	1:1	0.07	831.50	26865	1.0	23.5	22.93	36	37	Right Cheek	0	89	0.107	1.140	0.122	0.217	0.126		32.6		
Head	LTE Band 26	15	QPSK	A	0777M	1:1	0.00	831.50	26865	0.0	24.5	24.00	1	74	Right Tilt	0	44	0.096	1.122	0.108	0.150	0.095		34.1		
Head	LTE Band 26	15	QPSK	A	0777M	1:1	-0.08	831.50	26865	1.0	23.5	22.93	36	37	Right Tilt	0	44	0.072	1.140	0.082	0.146	0.091		34.3		
Head	LTE Band 26	15	QPSK	A	0777M	1:1	0.07	831.50	26865	0.0	24.5	24.00	1	74	Left Cheek	0	44	0.100	1.122	0.112	0.159	0.099		34.0		
Head	LTE Band 26	15	QPSK	A	0777M	1:1	-0.02	831.50	26865	1.0	23.5	22.93	36	37	Left Cheek	0	44	0.086	1.140	0.098	0.174	0.109		33.5		
Head	LTE Band 26	15	QPSK	A	0777M	1:1	-0.01	831.50	26865	0.0	24.5	24.00	1	74	Left Tilt	0	44	0.090	1.122	0.101	0.140	0.089		34.4		
Head	LTE Band 26	15	QPSK	A	0777M	1:1	-0.05	831.50	26865	1.0	23.5	22.93	36	37	Left Tilt	0	44	0.079	1.140	0.081	0.148	0.090		34.2		
ANR/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-47 Ant E Head | Plot A21

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dbm]	Overall Pinnt [dbm]	EPS Pinnt [dbm]
Head	LTE Band 26	15	QPSK	E	1119M	1:1	0.01	831.50	26865	0.0	22.5	21.89	1	36	Right Cheek	0		0.638	1.151	0.734	0.933	0.583		34.8		
Head	LTE Band 26	15	QPSK	E	0777M	1:1	0.06	831.50	26865	0.0	22.5	21.81	36	18	Right Cheek	0		0.701	1.172	0.822	1.043	0.652	Plot	34.3		
Head	LTE Band 26	15	QPSK	E	1119M	1:1	0.02	831.50	26865	0.0	22.5	21.73	75	0	Right Cheek	0		0.691	1.194	0.825	1.048	0.655		34.3		
Head	LTE Band 26	15	QPSK	E	0662M	1:1	0.04	831.50	26865	0.0	22.5	21.89	1	36	Right Tilt	0		0.284	1.151	0.327	0.415	0.259		38.3		
Head	LTE Band 26	15	QPSK	E	0662M	1:1	0.06	831.50	26865	0.0	22.5	21.81	36	18	Right Tilt	0		0.291	1.172	0.341	0.433	0.271		38.1		
Head	LTE Band 26	15	QPSK	E	0662M	1:1	0.06	831.50	26865	0.0	22.5	21.89	1	36	Left Cheek	0		0.347	1.151	0.399	0.507	0.317		37.4		
Head	LTE Band 26	15	QPSK	E	0662M	1:1	-0.02	831.50	26865	0.0	22.5	21.81	36	18	Left Cheek	0		0.339	1.172	0.397	0.505	0.316		37.5		
Head	LTE Band 26	15	QPSK	E	0662M	1:1	0.07	831.50	26865	0.0	22.5	21.89	1	36	Left Tilt	0		0.162	1.151	0.186	0.237	0.148		40.8		
Head	LTE Band 26	15	QPSK	E	0662M	1:1	-0.03	831.50	26865	0.0	22.5	21.81	36	18	Left Tilt	0		0.159	1.172	0.186	0.237	0.148		40.8		
ANSI/IEEE C95.1.1992 - SAFETY LIMIT																		Head								
Spatial Peak																		1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																		averaged over 1 gram								

Table 12-48 Ant A Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EPS Pinnt [dBm]
Body	LTE Band 26	15	QPSK	A	0777M	1:1	-0.20	831.50	26865	0.0	22.0	21.81	1	74	Bottom	5	44	0.600	1.045	0.627	0.796	0.498		24.0		21.0
Body	LTE Band 26	15	QPSK	A	0777M	1:1	-0.01	831.50	26865	0.0	22.0	21.58	36	37	Bottom	5	44	0.612	1.102	0.674	0.857	0.536		23.7		
Body	LTE Band 26	15	QPSK	A	0777M	1:1	0.03	831.50	26865	0.0	22.0	21.81	1	74	Right	5	44	0.333	1.045	0.348	0.442	0.275		26.5		
Body	LTE Band 26	15	QPSK	A	0777M	1:1	-0.01	831.50	26865	0.0	22.0	21.58	36	37	Right	5	44	0.335	1.102	0.369	0.469	0.293		26.3		
Body-worn/Body	LTE Band 26	15	QPSK	A	0777M	1:1	0.00	831.50	26865	0.0	22.0	21.81	1	74	Back	5	51	0.793	1.045	0.829	1.052	0.658		22.8	22.5	21.0
Body-worn/Body	LTE Band 26	15	QPSK	A	0777M	1:1	0.03	831.50	26865	0.0	22.0	21.58	36	37	Back	5	51	0.804	1.102	0.886	1.125	0.703		22.5		
Body-worn/Body	LTE Band 26	15	QPSK	A	0777M	1:1	-0.06	831.50	26865	0.0	23.0	21.57	75	0	Back	5	51	0.787	1.117	0.890	1.131	0.707		22.1		
Body-worn/Body	LTE Band 26	15	QPSK	A	0777M	1:1	-0.03	831.50	26865	0.0	22.0	21.81	1	74	Front	5	87	0.472	1.045	0.493	0.626	0.391		25.0		
Body-worn/Body	LTE Band 26	15	QPSK	A	0777M	1:1	0.02	831.50	26865	0.0	22.0	21.58	36	37	Front	5	87	0.444	1.102	0.489	0.621	0.388		25.1		
ANR/IEEE C95.1.1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-49 Ant A Closed Body | Plot A22

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	RFs Pinnt [dBm]		
Body	LTE Band 26	15	QPSK	A	0375M	1:1	-0.12	831.50	26865	0.0	23.0	22.90	1	74	Bottom	5	125	0.896	1.023	0.712	0.904	0.565		24.4				
Body	LTE Band 26	15	QPSK	A	0375M	1:1	-0.03	831.50	26865	0.0	23.0	22.39	36	37	Bottom	5	125	0.890	1.180	0.814	1.014	0.646		23.9				
Body	LTE Band 26	15	QPSK	A	0375M	1:1	0.05	831.50	26865	0.0	23.0	22.25	75	0	Bottom	5	125	0.859	1.189	0.764	0.995	0.622		24.0				
Body	LTE Band 26	15	QPSK	A	0375M	1:1	0.14	831.50	26865	0.0	23.0	22.90	1	74	Right	5	85	0.324	1.023	0.331	0.421	0.263		27.7				
Body	LTE Band 26	15	QPSK	A	0375M	1:1	-0.03	831.50	26865	0.0	23.0	22.38	36	37	Right	5	85	0.312	1.180	0.368	0.468	0.293		27.1				
Body-worn/Body	LTE Band 26	15	QPSK	A	0375M	1:1	-0.14	831.50	26865	0.0	23.0	22.90	1	74	Back	5	54	0.989	1.023	1.015	1.289	0.806	Plot	22.9		22.0		
Body-worn/Body	LTE Band 26	15	QPSK	A	0375M	1:1	-0.01	831.50	26865	0.0	23.0	22.28	36	37	Back	5	54	0.949	1.180	1.120	1.422	0.889		22.5				
Body-worn/Body	LTE Band 26	15	QPSK	A	0375M	1:1	0.07	831.50	26865	0.0	23.0	22.25	75	0	Back	5	54	0.989	1.189	1.122	1.463	0.914		22.1				
Body-worn/Body	LTE Band 26	15	QPSK	A	0375M	1:1	0.03	831.50	26865	0.0	23.0	22.90	1	74	Front	5	125	0.170	1.023	0.174	0.221	0.138		30.5				
Body-worn/Body	LTE Band 26	15	QPSK	A	0375M	1:1	-0.05	831.50	26865	0.0	23.0	22.28	36	37	Front	5	125	0.160	1.180	0.189	0.240	0.150		30.2				
ANR/IEEE C95.1.1992 - SAFETY LIMIT																							Body					
Spatial Peak																							1.6 W/kg (mW/g)					
Uncontrolled Exposure/General Population																							averaged over 1 gram					

Table 12-50 Ant E Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EPS Pinnt [dBm]	
Body	LTE Band 26	15	QPSK	E	0662M	1:1	-0.21	831.50	26865	0.0	23.5	22.87	1	36	Top	5		0.054	1.156	0.062	0.079	0.049		46.5			
Body	LTE Band 26	15	QPSK	E	0662M	1:1	-0.09	831.50	26865	0.0	23.5	22.84	36	18	Top	5		0.062	1.164	0.061	0.077	0.048		46.6			
Body	LTE Band 26	15	QPSK	E	0309M	1:1	-0.05	831.50	26865	0.0	23.5	22.87	1	36	Left	5		0.361	1.156	0.417	0.530	0.331		38.2			
Body	LTE Band 26	15	QPSK	E	0309M	1:1	-0.05	831.50	26865	0.0	23.5	22.84	36	18	Left	5		0.343	1.164	0.399	0.507	0.317		38.4			
Body worn/Body	LTE Band 26	15	QPSK	E	0909M	1:1	-0.02	831.50	26865	0.0	23.5	22.87	1	36	Back	5		0.187	1.156	0.216	0.275	0.172		41.1	38.2	22.5	
Body worn/Body	LTE Band 26	15	QPSK	E	0909M	1:1	-0.04	831.50	26865	0.0	23.5	22.84	36	18	Back	5		0.172	1.164	0.200	0.254	0.159		41.4			
Body worn/Body	LTE Band 26	15	QPSK	E	0909M	1:1	0.11	831.50	26865	0.0	23.5	22.87	1	36	Front	5		0.186	1.156	0.214	0.272	0.170		41.1			
Body worn/Body	LTE Band 26	15	QPSK	E	0909M	1:1	-0.03	831.50	26865	0.0	23.5	22.84	36	18	Front	5		0.175	1.164	0.204	0.259	0.162		41.3			
Annexure CSE 1.192 - SARITY Limit																											
Spatial Peak																											
Unmodulated Exposure/General Population																		1.6 W/kg (mW/g) averaged over 10 min									

Table 12-51 Ant E Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EFS Pinnt [dBm]
Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.08	831.50	26865	0.0	24.0	23.50	1	74	Top	5	0.021	1.122	0.024	0.030	0.019		40.2		23.0
Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.12	831.50	26865	0.0	24.0	23.33	36	37	Top	5	0.019	1.167	0.022	0.028	0.018		40.5		
Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.06	831.50	26865	0.0	24.0	23.50	1	74	Bottom	5	0.031	1.122	0.035	0.044	0.028		38.5		
Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.05	831.50	26865	0.0	24.0	23.33	36	37	Bottom	5	0.029	1.187	0.034	0.043	0.027		38.7		
Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.20	831.50	26865	0.0	24.0	21.50	1	74	Left	5	0.240	1.122	0.487	0.618	0.396		27.1		
Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.02	831.50	26865	0.0	24.0	23.33	36	37	Left	5	0.394	1.167	0.448	0.569	0.356		27.4		
Body worn/Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.04	831.50	26865	0.0	24.0	23.50	1	74	Back	5	0.107	1.122	0.120	0.152	0.095		33.2		
Body worn/Body	LTE Band 26	15	QPSK	E	0777M	1:1	0.00	831.50	26865	0.0	24.0	23.33	36	37	Back	5	0.100	1.167	0.117	0.148	0.093		33.3		
Body worn/Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.08	831.50	26865	0.0	24.0	23.50	1	74	Front	5	0.389	1.122	0.436	0.554	0.346		27.6		
Body worn/Body	LTE Band 26	15	QPSK	E	0777M	1:1	-0.06	831.50	26865	0.0	24.0	23.33	36	37	Front	5	0.398	1.167	0.419	0.532	0.333		27.7		
ANSI/IEEE C63.1992 - SAFETY LIMIT																		Body 1.6 W/kg (mW/g) averaged over 1 gram							
Spatial Peak																									
Uncontrolled Exposure/General Population																									

12.11 LTE Band 66 (AWS) Standalone SAR

Table 12-52 Ant B Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EFS Pinnt [dBm]
Head	LTE Band 66	20	QPSK	B	1159M	1:1	0.16	1770.00	132572	0.0	25.0	24.66	1	0	Right Cheek	0	0.099	1.081	0.107	0.135	0.084		34.7		26.0
Head	LTE Band 66	20	QPSK	B	1159M	1:1	-0.07	1770.00	132572	0.0	24.0	23.51	50	50	Right Cheek	0	0.079	1.119	0.088	0.140	0.080		34.5		
Head	LTE Band 66	20	QPSK	B	1159M	1:1	-0.01	1770.00	132572	0.0	25.0	24.66	1	0	Right Tib	0	0.087	1.081	0.091	0.064	0.040		37.9		
Head	LTE Band 66	20	QPSK	B	1159M	1:1	-0.03	1770.00	132572	0.0	24.0	23.51	50	50	Right Tib	0	0.053	1.119	0.037	0.059	0.037		38.3		
Head	LTE Band 66	20	QPSK	B	1159M	1:1	-0.06	1770.00	132572	0.0	25.0	24.66	1	0	Left Cheek	0	0.107	1.081	0.116	0.146	0.091		34.3		
Head	LTE Band 66	20	QPSK	B	1159M	1:1	-0.09	1770.00	132572	0.0	24.0	23.51	50	50	Left Cheek	0	0.097	1.119	0.090	0.142	0.089		34.4		
Head	LTE Band 66	20	QPSK	B	1159M	1:1	-0.16	1770.00	132572	0.0	25.0	24.66	1	0	Left Tib	0	0.053	1.081	0.057	0.072	0.045		37.6		
Head	LTE Band 66	20	QPSK	B	1159M	1:1	-0.03	1770.00	132572	0.0	24.0	23.51	50	50	Left Tib	0	0.049	1.119	0.055	0.087	0.054		38.4		
ANSI/IEEE C63.1992 - SAFETY LIMIT																		Head 1.6 W/kg (mW/g) averaged over 1 gram							
Spatial Peak																									
Uncontrolled Exposure/General Population																									

Table 12-53 Ant H Head | Plot A23

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EFS Pinnt [dBm]
Head	LTE Band 66	20	QPSK	H	1159M	1:1	-0.11	1770.00	132572	0.0	20.0	19.26	1	99	Right Cheek	0	0.179	1.186	0.212	0.270	0.169		26.7		19.0
Head	LTE Band 66	20	QPSK	H	1159M	1:1	0.04	1770.00	132572	0.0	20.0	19.10	50	50	Right Cheek	0	0.189	1.230	0.208	0.264	0.165		26.8		
Head	LTE Band 66	20	QPSK	H	1159M	1:1	-0.12	1770.00	132572	0.0	20.0	19.26	1	99	Right Tib	0	0.157	1.186	0.186	0.236	0.148		27.3		
Head	LTE Band 66	20	QPSK	H	1159M	1:1	-0.01	1770.00	132572	0.0	20.0	19.10	50	50	Right Tib	0	0.136	1.230	0.192	0.244	0.153		27.1		
Head	LTE Band 66	20	QPSK	H	1159M	1:1	0.01	1770.00	132572	0.0	20.0	19.26	1	99	Left Cheek	0	0.653	1.186	0.774	0.984	0.615	Plot	21.1		
Head	LTE Band 66	20	QPSK	H	1159M	1:1	0.03	1770.00	132572	0.0	20.0	19.10	50	50	Left Cheek	0	0.623	1.230	0.766	0.973	0.608		21.1		
Head	LTE Band 66	20	QPSK	H	1159M	1:1	0.02	1770.00	132572	0.0	20.0	19.26	1	99	Left Tib	0	0.523	1.186	0.620	0.788	0.493		22.0		
Head	LTE Band 66	20	QPSK	H	1159M	1:1	0.01	1770.00	132572	0.0	20.0	19.10	50	50	Left Tib	0	0.511	1.230	0.629	0.798	0.499		22.0		
ANSI/IEEE C63.1992 - SAFETY LIMIT																		Head 1.6 W/kg (mW/g) averaged over 1 gram							
Spatial Peak																									
Uncontrolled Exposure/General Population																									

Table 12-54 Ant B Open Body | Plot A24

posture	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Pinnt [dBm]	Overall Pinnt [dBm]	EFS Pinnt [dBm]
Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.01	1720.00	132072	0.0	19.5	18.57	1	99	Bottom	5	0.733	1.239	0.908	1.153	0.721		19.9		
Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.01	1745.00	132322	0.0	19.5	19.16	1	50	Bottom	5	0.941	1.081	0.693	0.880	0.550		21.0		
Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.00	1770.00	132572	0.0	19.5	19.42	1	99	Bottom	5	0.817	1.019	0.833	1.057	0.661		20.2		
Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.06	1720.00	132072	0.0	19.5	18.63	50	50	Bottom	5	0.742	1.222	0.907	1.152	0.720		19.9		
Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.01	1745.00	132322	0.0	19.5	18.91	50	50	Bottom	5	0.626	1.146	0.717	0.911	0.569		20.9		
Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.02	1770.00	132572	0.0	19.5	19.22	50	25	Bottom	5	0.840	1.067	0.896	1.138	0.711		19.9		
Body	LTE Band 66	20	QPSK	B	1159M	1:1	-0.01	1770.00	132572	0.0	19.5	19.16	100	0	Bottom	5	0.849	1.081	0.918	1.166	0.729		19.8		
Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.03	1770.00	132572	0.0	19.5	19.42	1	99	Left	5	0.270	1.019	0.275	0.349	0.218		25.1		
Body	LTE Band 66	20	QPSK	B	1159M	1:1	-0.03	1770.00	132572	0.0	19.5	19.22	50	25	Left	5	0.284	1.067	0.303	0.385	0.241		24.6		
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.01	1720.00	132072	0.0	19.5	18.57	1	99	Back	5	0.622	1.239	0.771	0.979	0.612		20.6		18.5
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	-0.03	1745.00	132322	0.0	19.5	19.16	1	50	Back	5	0.785	1.081	0.849	1.078	0.674		20.2		
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	-0.08	1770.00	132572	0.0	19.5	19.42	1	99	Back	5	0.847	1.019	0.863	1.096	0.685	Plot	20.1		
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	-0.04	1720.00	132072	0.0	19.5	18.63	50	50	Back	5	0.607	1.222	0.742	0.942	0.589		20.7		
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.02	1745.00	132322	0.0	19.5	18.91	50	50	Back	5	0.775	1.146	0.888	1.128	0.705		20.0		
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.01	1770.00	132572	0.0	19.5	19.22	50	25	Back	5	0.834	1.067	0.890	1.130	0.706		20.0		
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	-0.01	1770.00	132572	0.0	19.5	19.16	100	0	Back	5	0.802	1.081	0.867	1.101	0.685		20.1		
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	-0.01	1770.00	132572	0.0	19.5	19.42	1	99	Front	5	0.289	1.019	0.397	0.506	0.316		25.5		
Body worn/Body	LTE Band 66	20	QPSK	B	1159M	1:1	0.01	1770.00	132572	0.0	19.5	19.22	50	25	Front	5	0.468	1.067	0.499	0.614	0.396		22.5		
ANSI/IEEE C63.19-2012 - SAFETY LIMIT																									
Spatial Peak																									
Uncontrolled Exposure/General Population																									
																		Body							
																		1.6 W/kg (mW/g)							
																		averaged over 1 g/mm							

Table 12-56 Ant H Open Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EFS Plimt [dBm]
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.02	1770.00	132572	0.0	22.0	21.32	1	99	Top	5	0.421	1.169	0.492	0.625	0.391		36.0		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.00	1770.00	132572	0.0	22.0	21.06	50	50	Top	5	0.443	1.242	0.550	0.699	0.437		35.5		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.00	1720.00	132072	0.0	22.0	20.50	1	50	Right	5	0.775	1.413	1.095	1.391	0.869		32.5		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.09	1745.00	132322	0.0	22.0	20.62	1	99	Right	5	0.773	1.374	1.062	1.349	0.845		32.7		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.01	1770.00	132572	0.0	22.0	21.32	1	99	Right	5	0.783	1.169	0.893	1.131	0.707		32.4		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.02	1720.00	132072	0.0	22.0	20.34	50	25	Right	5	0.756	1.466	1.108	1.408	0.980		32.5		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.14	1745.00	132322	0.0	22.0	20.59	50	25	Right	5	0.815	1.384	1.128	1.433	0.896		32.4		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.07	1770.00	132572	0.0	22.0	21.06	50	50	Right	5	0.790	1.242	0.981	1.246	0.779		33.0		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.00	1770.00	132572	0.0	22.0	20.95	100	0	Right	5	0.804	1.274	1.024	1.301	0.813		32.8		
Body worn/Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.00	1770.00	132572	0.0	22.0	21.32	1	99	Back	5	0.498	1.169	0.577	0.713	0.458		35.3		
Body worn/Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.13	1770.00	132572	0.0	22.0	21.06	50	50	Back	5	0.479	1.242	0.595	0.756	0.473		35.2		
Body worn/Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.09	1770.00	132572	0.0	22.0	21.32	1	99	Front	5	0.440	1.169	0.514	0.653	0.408		35.8		
Body worn/Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.01	1770.00	132572	0.0	22.0	21.06	50	50	Front	5	0.414	1.242	0.514	0.653	0.408		35.8		
ANSI/IEEE C63.19-2 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-57 Ant H Closed Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EFS Plimt [dBm]
Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.13	1770.00	132572	0.0	22.5	21.87	1	50	Bottom	5	0.273	1.136	0.316	0.401	0.251		38.4		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.00	1770.00	132572	0.0	22.5	21.69	50	25	Bottom	5	0.267	1.205	0.322	0.409	0.256		38.3		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.02	1770.00	132572	0.0	22.5	21.97	1	50	Right	5	0.447	1.126	0.511	0.649	0.406		36.9		
Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.02	1770.00	132572	0.0	22.5	21.65	50	25	Right	5	0.464	1.205	0.559	0.710	0.444		35.9		
Body worn/Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.19	1770.00	132572	0.0	22.5	21.67	1	50	Back	5	0.058	1.156	0.067	0.085	0.053		45.2		
Body worn/Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.04	1770.00	132572	0.0	22.5	21.69	50	25	Back	5	0.057	1.205	0.069	0.087	0.054		45.1		
Body worn/Body	LTE Band 66	20	QPSK	H	1159M	1:1	-0.17	1770.00	132572	0.0	22.5	21.87	1	50	Front	5	0.320	1.156	0.370	0.470	0.294		37.7		
Body worn/Body	LTE Band 66	20	QPSK	H	1159M	1:1	0.02	1770.00	132572	0.0	22.5	21.99	50	25	Front	5	0.345	1.205	0.380	0.482	0.302		37.6		
ANSI/IEEE C63.19-2 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.12 LTE Band 25 (PCS) Standalone SAR

Table 12-58 Ant B Head

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EFS Plimt [dBm]
Head	LTE Band 25	20	QPSK	B	1159M	1:1	0.09	1860.00	26140	0.0	25.0	24.51	1	99	Right Cheek	0	0.085	1.119	0.095	0.120	0.075		35.2		
Head	LTE Band 25	20	QPSK	B	1159M	1:1	-0.02	1860.00	26140	1.0	24.0	23.28	50	50	Right Cheek	0	0.073	1.180	0.086	0.117	0.086		35.0		
Head	LTE Band 25	20	QPSK	B	1159M	1:1	0.08	1860.00	26140	0.0	25.0	24.51	1	99	Right Tib	0	0.073	1.119	0.082	0.101	0.084		35.8		
Head	LTE Band 25	20	QPSK	B	1159M	1:1	-0.15	1860.00	26140	1.0	24.0	23.28	50	50	Right Tib	0	0.056	1.180	0.066	0.105	0.066		34.7		
Head	LTE Band 25	20	QPSK	B	1159M	1:1	0.08	1860.00	26140	0.0	25.0	24.51	1	99	Left Cheek	0	0.096	1.119	0.107	0.135	0.084		34.6		
Head	LTE Band 25	20	QPSK	B	1159M	1:1	-0.10	1860.00	26140	1.0	24.0	23.28	50	50	Left Cheek	0	0.077	1.180	0.091	0.144	0.090		34.4		
Head	LTE Band 25	20	QPSK	B	1159M	1:1	0.02	1860.00	26140	0.0	25.0	24.51	1	99	Left Tib	0	0.084	1.119	0.094	0.118	0.074		35.2		
Head	LTE Band 25	20	QPSK	B	1159M	1:1	0.09	1860.00	26140	1.0	24.0	23.28	50	50	Left Tib	0	0.067	1.180	0.079	0.125	0.078		35.0		
ANSI/IEEE C63.19-2 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-59 Ant H Head | Plot A26

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EFS Plimt [dBm]
Head	LTE Band 25	20	QPSK	H	0855M	1:1	0.05	1860.00	26140	0.0	19.5	18.69	1	0	Right Cheek	0	0.145	1.205	0.175	0.222	0.119		38.0		
Head	LTE Band 25	20	QPSK	H	0855M	1:1	-0.02	1860.00	26140	0.0	19.5	18.50	50	0	Right Cheek	0	0.154	1.205	0.188	0.251	0.157		37.5		
Head	LTE Band 25	20	QPSK	H	0855M	1:1	-0.02	1860.00	26140	0.0	19.5	18.50	50	0	Right Tib	0	0.160	1.205	0.201	0.256	0.160		37.4		
Head	LTE Band 25	20	QPSK	H	0312M	1:1	-0.08	1860.00	26140	0.0	19.5	18.69	1	0	Left Cheek	0	0.425	1.205	0.512	0.650	0.406		33.3		
Head	LTE Band 25	20	QPSK	H	0312M	1:1	0.03	1860.00	26140	0.0	19.5	18.50	50	0	Left Cheek	0	0.430	1.205	0.504	0.640	0.400		33.4		
Head	LTE Band 25	20	QPSK	H	0312M	1:1	-0.10	1860.00	26140	0.0	19.5	18.69	1	0	Left Tib	0	0.393	1.205	0.365	0.464	0.290		34.8		
Head	LTE Band 25	20	QPSK	H	0312M	1:1	0.03	1860.00	26140	0.0	19.5	18.50	50	0	Left Tib	0	0.291	1.209	0.366	0.465	0.291		34.8		
ANSI/IEEE C63.19-2 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-60 Ant B Open Body | Plot A27, A28

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EFS Plimt [dBm]
Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.21	1860.00	26140	0.0	18.5	17.82	1	50	Bottom	5	0.789	1.169	0.922	1.171	0.732		38.8		
Body	LTE Band 25	20	QPSK	B	1513M	1:1	0.11	1882.50	26305	0.0	18.5	17.28	1	50	Bottom	5	0.836	1.124	1.107	1.406	0.879		38.0		
Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.01	1905.00	26390	0.0	18.5	17.81	1	50	Bottom	5	0.861	1.172	1.099	1.282	0.801		38.4		
Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.01	1860.00	26140	0.0	18.5	17.48	50	25	Bottom	5	0.767	1.276	0.979	1.243	0.777		38.5		
Body	LTE Band 25	20	QPSK	B	1513M	1:1	0.01	1882.50	26305	0.0	18.5	17.50	50	25	Bottom	5	0.808	1.195	1.095	1.300	0.869		38.1		
Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.05	1905.00	26390	0.0	18.5	17.51	50	25	Bottom	5	0.807	1.256	1.014	1.287	0.804		38.4		
Body	LTE Band 25	20	QPSK	B	1513M	1:1	0.01	1905.00	26390	0.0	18.5	17.41	100	0	Bottom	5	0.794	1.285	1.020	1.296	0.810		38.4		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.18	1860.00	26140	0.0	18.5	17.82	1	99	Left	5	0.211	1.169	0.249	0.316	0.198		34.5		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	0.00	1905.00	26390	0.0	18.5	17.51	50	25	Left	5	0.238	1.256	0.376	0.235	0.176		35.7	18.0	17.5
Body-worn/Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.04	1860.00	26140	0.0	18.5	17.82	1	90	Back	5	0.630	1.169	0.736	0.935	0.584		36.8		
Body-worn/Body	LTE Band 25	20	QPSK	B	1513M	1:1	0.00	1905.00	26390	0.0	18.5	17.48	50	25	Back	5	0.613	1.276	0.782	0.993	0.621		35.5		
Body-worn/Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.02	1860.00	26140	0.0	18.5	17.51	50	25	Back	5	0.751	1.256	0.818	1.283	0.868		36.4		
Body-worn/Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.01	1905.00	26390	0.0	18.5	17.51	50	25	Back	5	0.792	1.256	0.945	1.200	0.720		36.7		
Body-worn/Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.02	1905.00	26390	0.0	18.5	17.41	100	0	Back	5	0.788	1.285	0.948	1.230	0.733		36.7		
Body-worn/Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.02	1860.00	26140	0.0	18.5	17.51	50	25	Front	5	0.693	1.169	0.517	0.480	0.319		32.7		
Body-worn/Body	LTE Band 25	20	QPSK	B	1513M	1:1	-0.02	1905.00	26390	0.0	18.5	17.51	100	0	Front	5	0.642	1.169	0.517	0.657	0.411		31.3		
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																	Body								
Unmonitored Exposure/General Population																	Spatial Peak								
																	1.6 W/kg (mW/g)								
																	averaged over 1 g/cm								



Table 12-61 Ant B Closed Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.20	1860.00	26140	0.0	20.0	19.99	1	50	Bottom	5	0.748	1.151	0.861	1.093	0.683		20.6		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	0.01	1862.50	26365	0.0	20.0	18.99	1	99	Bottom	5	0.787	1.262	1.006	1.277	0.798		19.9		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.02	1905.00	26590	0.0	20.0	19.11	1	99	Bottom	5	0.855	1.172	1.002	1.273	0.796		19.9		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	0.02	1860.00	26140	0.0	20.0	19.22	50	0	Bottom	5	0.727	1.197	0.870	1.105	0.691		20.6		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.05	1882.50	26365	0.0	20.0	18.52	50	25	Bottom	5	0.826	1.282	1.059	1.345	0.841		19.7		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	0.01	1905.00	26590	0.0	20.0	19.08	50	25	Bottom	5	0.727	1.226	0.931	1.157	0.723		20.4		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.01	1860.00	26140	0.0	20.0	19.06	100	0	Bottom	5	0.727	1.242	0.963	1.147	0.717		20.4		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.01	1860.00	26140	0.0	20.0	19.39	1	50	Left	5	0.114	1.151	0.131	0.167	0.104		28.8		
Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.08	1860.00	26140	0.0	20.0	19.22	50	0	Left	5	0.167	1.197	0.178	0.163	0.107		28.9		
Body worn/Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.16	1860.00	26140	0.0	20.0	19.39	1	50	Back	5	0.537	1.151	0.618	0.785	0.491		22.0		
Body worn/Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.01	1860.00	26140	0.0	20.0	19.22	50	0	Back	5	0.485	1.197	0.581	0.737	0.461		22.3		
Body worn/Body	LTE Band 25	20	QPSK	B	1153M	1:1	0.13	1860.00	26140	0.0	20.0	19.39	1	50	Front	5	0.508	1.151	0.607	0.689	0.553		31.7		
Body worn/Body	LTE Band 25	20	QPSK	B	1153M	1:1	-0.02	1860.00	26140	0.0	20.0	19.22	50	0	Front	5	0.505	1.197	0.566	0.684	0.503		31.8		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																									19.0
																			Body 1.6 W/kg (mW/g) averaged over 1 gram						

Table 12-62 Ant H Open Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 25	20	QPSK	H	0879M	1:1	-0.01	1860.00	26140	0.0	21.5	20.48	1	50	Top	5	0.368	1.265	0.466	0.591	0.369		35.7		
Body	LTE Band 25	20	QPSK	H	0879M	1:1	-0.21	1860.00	26140	0.0	21.5	20.53	50	0	Top	5	0.351	1.240	0.439	0.557	0.348		36.0		
Body	LTE Band 25	20	QPSK	H	0879M	1:1	0.01	1860.00	26140	0.0	21.5	20.48	1	50	Right	5	0.464	1.265	0.669	1.099	0.667		33.0		
Body	LTE Band 25	20	QPSK	H	0879M	1:1	-0.04	1862.50	26365	0.0	21.5	20.13	1	50	Right	5	0.751	1.509	0.983	1.248	0.780		32.5		
Body	LTE Band 25	20	QPSK	H	0879M	1:1	0.03	1905.00	26590	0.0	21.5	20.16	1	50	Right	5	0.745	1.361	1.014	1.288	0.805		32.4		
Body	LTE Band 25	20	QPSK	H	0879M	1:1	-0.03	1860.00	26140	0.0	21.5	20.53	50	0	Right	5	0.696	1.250	0.870	1.105	0.691		31.0		
Body	LTE Band 25	20	QPSK	H	0879M	1:1	-0.02	1882.50	26365	0.0	21.5	20.15	50	25	Right	5	0.700	1.365	0.956	1.213	0.758		32.6		
Body	LTE Band 25	20	QPSK	H	0879M	1:1	-0.11	1905.00	26590	0.0	21.5	20.29	50	25	Right	5	0.712	1.321	0.941	1.195	0.747		32.7		
Body	LTE Band 25	20	QPSK	H	0879M	1:1	0.00	1860.00	26140	0.0	21.5	20.50	100	0	Right	5	0.664	1.265	0.889	1.124	0.701		28.9		
Body worn/Body	LTE Band 25	20	QPSK	H	0879M	1:1	-0.05	1860.00	26140	0.0	21.5	20.48	1	50	Back	5	0.444	1.265	0.562	0.713	0.446		34.6		
Body worn/Body	LTE Band 25	20	QPSK	H	0879M	1:1	-0.06	1860.00	26140	0.0	21.5	20.53	50	0	Back	5	0.453	1.250	0.541	0.687	0.429		35.1		
Body worn/Body	LTE Band 25	20	QPSK	H	0879M	1:1	0.00	1860.00	26140	0.0	21.5	20.53	1	50	Front	5	0.386	1.265	0.340	0.443	0.370		37.1		
Body worn/Body	LTE Band 25	20	QPSK	H	0879M	1:1	0.00	1860.00	26140	0.0	21.5	20.53	50	0	Front	5	0.353	1.250	0.316	0.402	0.351		37.4		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																									20.5
																			Body 1.6 W/kg (mW/g) averaged over 1 gram						

Table 12-63 Ant H Closed Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 25	20	QPSK	H	0312M	1:1	-0.09	1860.00	26140	0.0	21.5	20.48	1	50	Bottom	5	0.181	1.265	0.229	0.291	0.182		27.9		
Body	LTE Band 25	20	QPSK	H	0312M	1:1	-0.04	1860.00	26140	0.0	21.5	20.53	50	0	Bottom	5	0.172	1.250	0.215	0.273	0.171		28.1		
Body	LTE Band 25	20	QPSK	H	0312M	1:1	0.03	1860.00	26140	0.0	21.5	20.48	1	50	Right	5	0.478	1.265	0.605	0.768	0.480		23.6		
Body	LTE Band 25	20	QPSK	H	0312M	1:1	-0.01	1860.00	26140	0.0	21.5	20.50	50	0	Right	5	0.480	1.250	0.575	0.730	0.456		23.9		
Body worn/Body	LTE Band 25	20	QPSK	H	0312M	1:1	-0.06	1860.00	26140	0.0	21.5	20.48	1	50	Back	5	0.587	1.265	0.509	0.676	0.488		33.6		
Body worn/Body	LTE Band 25	20	QPSK	H	0312M	1:1	-0.20	1860.00	26140	0.0	21.5	20.53	50	0	Back	5	0.586	1.250	0.508	0.673	0.486		33.9		
Body worn/Body	LTE Band 25	20	QPSK	H	0312M	1:1	0.03	1860.00	26140	0.0	21.5	20.48	1	50	Front	5	0.326	1.265	0.412	0.524	0.328		25.3		
Body worn/Body	LTE Band 25	20	QPSK	H	0312M	1:1	-0.07	1860.00	26140	0.0	21.5	20.53	50	0	Front	5	0.306	1.250	0.381	0.486	0.304		25.6		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																									20.5
																			Body 1.6 W/kg (mW/g) averaged over 1 gram						

12.13 LTE Band 30 Standalone SAR

Table 12-64 Ant B Head

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	LTE Band 30	10	QPSK	B	0779M	1:1	0.17	2310.00	27710	0.0	24.5	23.89	1	49	Right Cheek	0	0.557	1.151	0.566	0.747	0.562		36.2		
Head	LTE Band 30	10	QPSK	B	0779M	1:1	0.07	2310.00	27710	1.0	23.5	22.75	25	12	Right Cheek	0	0.807	1.189	0.604	0.724	0.678		37.0		
Head	LTE Band 30	10	QPSK	B	0779M	1:1	0.56	2310.00	27710	0.0	24.5	23.89	1	49	Right Thr	0	0.913	1.151	0.615	0.633	0.621		42.7		
Head	LTE Band 30	10	QPSK	B	0779M	1:1	0.01	2310.00	27710	1.0	23.5	22.75	25	12	Right Thr	0	0.806	1.189	0.607	0.620	0.613		44.9		
Head	LTE Band 30	10	QPSK	B	0779M	1:1	-0.15	2310.00	27710	0.0	24.5	23.89	1	49	Left Cheek	0	0.809	1.151	0.605	0.677	0.648		39.3		
Head	LTE Band 30	10	QPSK	B	0779M	1:1	0.02	2310.00	27710	1.0	23.5	22.75	25	12	Left Cheek	0	0.604	1.189	0.629	0.680	0.590		38.9		
Head	LTE Band 30	10	QPSK	B	0779M	1:1	0.54	2310.00	27710	0.0	24.5	23.89	1	49	Left Thr	0	0.911	1.151	0.613	0.628	0.618		43.4		
Head	LTE Band 30	10	QPSK	B	0779M	1:1	0.07	2310.00	27710	1.0	23.5	22.75	25	12	Left Thr	0	0.802	1.189	0.602	0.607	0.604		49.7		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																									28.0
																			Head 1.6 W/kg (mW/g) averaged over 1 gram						

Table 12-65 Ant H Head | Plot A29

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #
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Table 12-66 Ant B Open Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.05	2330.00	27720	0.0	19.0	18.72	1	25	Bottom	5	0.950	1.067	1.014	1.287	0.804		29.9		
Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.07	2330.00	27720	0.0	19.0	18.70	25	12	Bottom	5	0.919	1.072	0.985	1.251	0.782		30.0		
Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.05	2330.00	27720	0.0	19.0	18.60	50	0	Bottom	5	0.980	1.096	0.987	1.254	0.784		30.0		
Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.16	2330.00	27720	0.0	19.0	18.72	1	25	Left	5	0.984	1.067	0.990	0.114	0.071		40.4		
Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.11	2330.00	27720	0.0	19.0	18.70	25	12	Left	5	0.981	1.072	0.987	0.130	0.069		40.5		
Body/worn/Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.01	2330.00	27720	0.0	19.0	18.72	1	25	Back	5	0.992	1.067	1.058	1.344	0.840		29.7		
Body/worn/Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.03	2330.00	27720	0.0	19.0	18.70	25	12	Back	5	0.952	1.072	1.021	1.296	0.810		29.8		
Body/worn/Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.03	2330.00	27720	0.0	19.0	18.60	50	0	Back	5	0.942	1.096	1.032	1.311	0.819		29.8		
Body/worn/Body	LTE Band 30	10	QPSK	B	0359M	1:1	-0.19	2330.00	27720	0.0	19.0	18.72	1	25	Front	5	0.919	1.067	0.905	0.641	0.403		32.9		
Body/worn/Body	LTE Band 30	10	QPSK	B	0359M	1:1	0.03	2330.00	27720	0.0	19.0	18.70	25	12	Front	5	0.955	1.072	0.488	0.619	0.387		33.0		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																	Body								
Spatial Peak																	1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																	averaged over 1 gram								

Table 12-67 Ant B Closed Body | Plot A30

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 30	30	QPSK	B	1163M	1:1	0.08	2310.00	27710	0.0	20.5	19.64	1	0	Bottom	5	0.656	1.164	0.764	0.970	0.606		21.6		
Body	LTE Band 30	30	QPSK	B	1163M	1:1	0.08	2310.00	27710	0.0	20.5	19.76	25	25	Bottom	5	0.652	1.166	0.773	0.982	0.614		21.6		
Body	LTE Band 30	30	QPSK	B	1163M	1:1	0.05	2310.00	27710	0.0	20.5	19.64	1	0	Bottom	5	0.681	1.167	0.791	1.005	0.628		21.5		
Body	LTE Band 30	30	QPSK	B	1163M	1:1	-0.03	2310.00	27710	0.0	20.5	19.64	1	0	Left	5	0.595	1.164	0.687	0.111	0.260		31.0		
Body	LTE Band 30	30	QPSK	B	1163M	1:1	0.03	2310.00	27710	0.0	20.5	19.76	25	25	Left	5	0.675	1.166	0.689	0.113	0.071		31.0		
Body worn/Body	LTE Band 30	30	QPSK	B	0359M	1:1	-0.09	2310.00	27710	0.0	20.5	19.84	1	0	Back	5	0.916	1.164	1.176	1.493	0.933	Plot	19.7	19.7	
Body worn/Body	LTE Band 30	30	QPSK	B	0359M	1:1	-0.05	2310.00	27710	0.0	20.5	19.60	1	0	Back	5	0.904	1.164	1.145	1.405	0.909		19.9	19.5	
Body worn/Body	LTE Band 30	30	QPSK	B	0359M	1:1	-0.04	2310.00	27710	0.0	20.5	19.76	25	25	Back	5	0.985	1.166	1.160	1.484	0.928		19.8		
Body worn/Body	LTE Band 30	30	QPSK	B	0359M	1:1	-0.02	2310.00	27710	0.0	20.5	19.72	50	0	Back	5	0.999	1.197	1.196	1.519	0.940		19.7		
Body worn/Body	LTE Band 30	30	QPSK	B	0359M	1:1	-0.05	2310.00	27710	0.0	20.5	19.84	1	0	Front	5	0.901	1.164	0.118	0.149	0.093		29.7		
Body worn/Body	LTE Band 30	30	QPSK	B	0359M	1:1	-0.02	2310.00	27710	0.0	20.5	19.76	25	25	Front	5	0.905	1.185	0.125	0.158	0.099		29.5		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Blue entry represents variability measurement

Table 12-68 Ant H Open Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 30	30	QPSK	H	0887M	1:1	-0.04	2330.00	27720	0.0	19.0	17.93	1	0	Top	5	0.997	1.279	0.124	0.158	0.099		30.0		
Body	LTE Band 30	30	QPSK	H	0887M	1:1	0.07	2330.00	27720	0.0	19.0	17.91	25	0	Top	5	0.997	1.285	0.325	0.158	0.099		30.0		
Body	LTE Band 30	30	QPSK	H	0887M	1:1	0.02	2330.00	27720	0.0	19.0	17.93	1	0	Right	5	0.997	1.279	0.508	0.645	0.403		32.9		
Body	LTE Band 30	30	QPSK	H	0887M	1:1	-0.04	2330.00	27720	0.0	19.0	17.93	25	0	Right	5	0.996	1.285	0.603	0.636	0.398		32.9		
Body worn/Body	LTE Band 30	30	QPSK	H	0887M	1:1	-0.11	2330.00	27720	0.0	19.0	17.93	1	0	Back	5	0.990	1.279	0.243	0.309	0.199		36.1	32.9	
Body worn/Body	LTE Band 30	30	QPSK	H	0887M	1:1	0.02	2330.00	27720	0.0	19.0	17.91	25	0	Back	5	0.968	1.285	0.213	0.271	0.169		36.6		
Body worn/Body	LTE Band 30	30	QPSK	H	0887M	1:1	0.00	2330.00	27720	0.0	19.0	17.93	1	0	Front	5	0.993	1.279	0.297	0.377	0.236		36.2		
Body worn/Body	LTE Band 30	30	QPSK	H	0887M	1:1	-0.09	2330.00	27720	0.0	19.0	17.91	25	0	Front	5	0.943	1.285	0.310	0.393	0.246		35.0		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-69 Ant H Closed Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 30	10	QPSK	H	0779M	1:1	0.03	2310.00	27710	0.0	20.0	19.32	1	0	Bottom	5	0.942	1.169	0.049	0.062	0.039		44.0		
Body	LTE Band 30	10	QPSK	H	0779M	1:1	0.09	2310.00	27720	0.0	20.0	19.25	25	12	Bottom	5	0.949	1.189	0.058	0.074	0.046		43.3		
Body	LTE Band 30	10	QPSK	H	0779M	1:1	0.08	2310.00	27720	0.0	20.0	19.32	1	0	Right	5	0.939	1.169	0.396	0.503	0.314		34.9		
Body	LTE Band 30	10	QPSK	H	0779M	1:1	-0.02	2310.00	27720	0.0	20.0	19.25	25	12	Right	5	0.930	1.189	0.418	0.529	0.331		34.7		
Body worn/Body	LTE Band 30	10	QPSK	H	0779M	1:1	0.03	2310.00	27720	0.0	20.0	19.32	1	0	Back	5	0.916	1.169	0.019	0.024	0.015		48.2	34.7	
Body worn/Body	LTE Band 30	10	QPSK	H	0779M	1:1	-0.02	2310.00	27720	0.0	20.0	19.25	25	12	Back	5	0.906	1.189	0.018	0.023	0.014		48.4		
Body worn/Body	LTE Band 30	10	QPSK	H	0779M	1:1	0.03	2310.00	27720	0.0	20.0	19.32	1	0	Front	5	0.926	1.169	0.146	0.186	0.136		39.3	19.0	
Body worn/Body	LTE Band 30	10	QPSK	H	0779M	1:1	-0.02	2310.00	27720	0.0	20.0	19.25	25	12	Front	5	0.919	1.189	0.141	0.180	0.133		39.4		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.14 LTE Band 7 Standalone SAR

Table 12-70 Ant B Head

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 7	20	QPSK	B	0779M	1:1	-0.12	2510.00	20850	0.0	25.5	24.48	1	50	Right Cheek	0	0.968	1.265	0.086	0.153	0.096		36.1		
Head	LTE Band 7	20	QPSK	B	0779M	1:1	0.06	2510.00	20850	1.0	24.5	23.26	50	0	Right Cheek	0	0.902	1.330	0.069	0.155	0.097		36.0		
Head	LTE Band 7	20	QPSK	B	0779M	1:1	-0.17	2510.00	20850	0.0	25.5	24.48	1	50	Right Tib	0	0.916	1.265	0.020	0.036	0.023		42.4		
Head	LTE Band 7	20	QPSK	B	0779M	1:1	0.03	2510.00	20850	1.0	24.5	23.26	50	0	Right Tib	0	0.912	1.330	0.016	0.036	0.023		42.4		
Head	LTE Band 7	20	QPSK	B	0779M	1:1	-0.14	2510.00	20850	0.0	25.5	24.48	1	50	Left Cheek	0	0.991	1.265	0.115	0.205	0.128		34.8	28.0	
Head	LTE Band 7	20	QPSK	B	0779M	1:1	0.01	2510.00	20850	1.0	24.5	23.26	50	0	Left Cheek	0	0.968	1.330	0.090	0.203	0.127		34.9		
Head	LTE Band 7	20	QPSK	B	0779M	1:1	-0.09	2510.00	20850	0.0	25.5	24.48	1	50	Left Tib	0	0.923	1.265	0.029	0.052	0.033		40.8		
Head	LTE Band 7	20	QPSK	B	0779M	1:1	0.06	2510.00	20850	1.0	24.5	23.26	50	0	Left Tib	0	0.907	1.330	0.028	0.063	0.039		40.0		
ANSI/ULC C94.1-1992 - SAFETY LIMIT																	Head								
Spatial Peak																	1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																	averaged over 1g/m								

Table 12-71 Ant H Head | Plot A31

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	LTE Band 7	20	QPSK	H	0779M	1:1	-0.05	2510.00	20850	0.0	17.5	17.42	1	0	Right Cheek	0	0.202	1.019	0.206	0.261	0.163		35.3		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.05	2510.00	20850	0.0	17.5	17.45	50	0	Right Cheek	0	0.198	1.012	0.200	0.254	0.159		35.4		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.05	2510.00	20850	0.0	17.5	17.42	1	0	Right TH	0	0.204	1.019	0.206	0.109	0.068		39.1		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.02	2510.00	20850	0.0	17.5	17.45	50	0	Right TH	0	0.089	1.012	0.090	0.114	0.071		38.9		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.17	2510.00	20850	0.0	17.5	17.42	1	0	Left Cheek	0	0.227	1.019	0.853	1.088	0.677		29.1		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.02	2510.00	21100	0.0	17.5	17.06	1	0	Left Cheek	0	0.754	1.107	0.879	1.116	0.698		29.0		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.01	2560.00	21350	0.0	17.5	17.21	1	99	Left Cheek	0	0.528	1.068	0.564	0.717	0.448		30.9		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.00	2510.00	20850	0.0	17.5	17.45	50	0	Left Cheek	0	0.860	1.012	0.870	1.105	0.691	Plot	29.0		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	-0.03	2535.00	21100	0.0	17.5	16.95	50	0	Left Cheek	0	0.803	1.135	0.884	1.157	0.723		28.8		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.07	2560.00	21350	0.0	17.5	17.13	50	50	Left Cheek	0	0.552	1.089	0.601	0.763	0.477		30.6		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.03	2510.00	20850	0.0	17.5	17.28	100	0	Left Cheek	0	0.793	1.052	0.884	1.099	0.662		29.2		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	0.01	2510.00	20850	0.0	17.5	17.42	1	0	Left TH	0	0.254	1.019	0.259	0.129	0.206		34.3		
Head	LTE Band 7	20	QPSK	H	0779M	1:1	-0.03	2510.00	20850	0.0	17.5	17.43	50	0	Left TH	0	0.254	1.012	0.257	0.326	0.204		34.8		
ANS/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-72 Ant B Open Body| Plot A32

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 7	20	QPSK	B	1160M	1:1	-0.03	2560.00	21350	0.0	19.0	18.86	1	99	Bottom	5	0.646	1.033	0.667	0.847	0.529		31.7		
Body	LTE Band 7	20	QPSK	B	1160M	1:1	0.01	2510.00	20850	0.0	19.0	18.74	50	0	Bottom	5	0.609	1.062	0.736	0.915	0.584		31.3		
Body	LTE Band 7	20	QPSK	B	1160M	1:1	-0.15	2560.00	21350	0.0	19.0	18.86	1	99	Left	5	0.180	1.033	0.186	0.236	0.148		37.2		
Body	LTE Band 7	20	QPSK	B	1160M	1:1	-0.05	2510.00	20850	0.0	19.0	18.74	50	0	Left	5	0.165	1.062	0.175	0.223	0.139		37.5		
Body worn/Body	LTE Band 7	20	QPSK	B	1160M	1:1	0.04	2560.00	21350	0.0	19.0	18.86	1	99	Back	5	0.713	1.033	0.757	0.962	0.601		31.1		
Body worn/Body	LTE Band 7	20	QPSK	B	1160M	1:1	-0.01	2510.00	20850	0.0	19.0	18.74	50	0	Back	5	0.743	1.062	0.789	1.022	0.626	Plot	30.9		
Body worn/Body	LTE Band 7	20	QPSK	B	1160M	1:1	-0.01	2560.00	21350	0.0	19.0	18.86	1	99	Front	5	0.350	1.033	0.362	0.459	0.287		34.2		
Body worn/Body	LTE Band 7	20	QPSK	B	1160M	1:1	-0.01	2530.00	20850	0.0	19.0	18.74	50	0	Front	5	0.391	1.062	0.415	0.527	0.329		33.7		
ANS/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-73 Ant B Closed Body

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 7	20	QPSK	B	0952M	1:1	0.05	2510.00	20850	0.0	21.0	20.58	1	50	Bottom	5	0.726	1.102	0.800	1.016	0.635		32.9		
Body	LTE Band 7	20	QPSK	B	0952M	1:1	0.05	2535.00	21100	0.0	21.0	19.83	1	99	Bottom	5	0.681	1.309	0.891	1.132	0.708		32.4		
Body	LTE Band 7	20	QPSK	B	0952M	1:1	0.11	2560.00	21350	0.0	21.0	20.01	1	99	Bottom	5	0.590	1.236	0.744	0.941	0.598		33.2		
Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.03	2510.00	20850	0.0	21.0	20.44	50	0	Bottom	5	0.762	1.138	0.844	1.072	0.675		32.7		
Body	LTE Band 7	20	QPSK	B	0952M	1:1	0.03	2535.00	21100	0.0	21.0	19.77	50	0	Bottom	5	0.739	1.327	0.981	1.245	0.778		32.0		
Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.03	2560.00	21350	0.0	21.0	20.12	50	50	Bottom	5	0.628	1.275	0.782	0.989	0.621		33.0		
Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.03	2510.00	20850	0.0	21.0	20.25	100	0	Bottom	5	0.525	1.185	0.623	0.791	0.494		34.0		
Body	LTE Band 7	20	QPSK	B	0952M	1:1	0.03	2510.00	20850	0.0	21.0	20.58	1	50	Left	5	0.180	1.102	0.209	0.266	0.166		38.7		
Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.11	2510.00	20850	0.0	21.0	20.44	50	0	Left	5	0.681	1.138	0.811	0.933	0.546		39.3		
Body worn/Body	LTE Band 7	20	QPSK	B	0952M	1:1	0.02	2510.00	20850	0.0	21.0	20.58	1	50	Back	5	0.759	1.302	0.800	1.016	0.635		32.9		
Body worn/Body	LTE Band 7	20	QPSK	B	0952M	1:1	0.13	2510.00	21100	0.0	21.0	19.83	1	99	Back	5	0.628	1.309	0.822	1.044	0.653		32.8		
Body worn/Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.01	2560.00	21350	0.0	21.0	20.01	1	99	Front	5	0.680	1.059	0.762	0.951	0.587		34.2		
Body worn/Body	LTE Band 7	20	QPSK	B	0952M	1:1	0.00	2510.00	20850	0.0	21.0	20.44	50	0	Back	5	0.730	1.138	0.831	1.055	0.659		32.7		
Body worn/Body	LTE Band 7	20	QPSK	B	0978M	1:1	-0.03	2535.00	21100	0.0	21.0	19.77	50	0	Back	5	0.634	1.327	0.841	1.068	0.668		32.7		
Body worn/Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.04	2560.00	21350	0.0	21.0	20.12	50	50	Back	5	0.591	1.275	0.724	0.919	0.574		33.8		
Body worn/Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.01	2510.00	20850	0.0	21.0	20.26	100	0	Back	5	0.560	1.186	0.664	0.843	0.527		33.7		
Body worn/Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.02	2510.00	20850	0.0	21.0	20.58	1	50	Front	5	0.658	1.102	0.664	0.881	0.551		43.9		
Body worn/Body	LTE Band 7	20	QPSK	B	0952M	1:1	-0.04	2510.00	20850	0.0	21.0	20.44	50	0	Front	5	0.628	1.208	0.687	0.885	0.553		43.7		
ANS/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-74 Ant H Open Body | Plot A33

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]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 7	20	QPSK	H	1165M	1:1	-0.01	2510.00	20850	0.0	19.5	18.58	1	0	Top	5	0.194	1.236	0.240	0.305	0.191		25.7		
Body	LTE Band 7	20	QPSK	H	1165M	1:1	0.04	2510.00	20850	0.0	19.5	18.40	50	0	Top	5	0.181	1.288	0.233	0.296	0.185		25.8		
Body	LTE Band 7	20	QPSK	H	0662M	1:1	0.08	2510.00	20850	0.0	19.5	18.69	1	0	Right	5	0.611	1.236	1.002	1.273	0.795	Plot	19.4		
Body	LTE Band 7	20	QPSK	H	0662M	1:1	0.07	2535.00	21100	0.0	19.5	18.17	1	0	Right	5	0.752	1.359	1.021	1.297	0.870		19.4		
Body	LTE Band 7	20	QPSK	H	0662M	1:1	0.21	2560.00	21350	0.0	19.5	18.27	1	99	Right	5	0.494	1.327	0.656	0.833	0.521		21.3		
Body	LTE Band 7	20	QPSK	H	0662M	1:1	0.03	2510.00	20850	0.0	19.5	18.40	50	0	Right	5	0.769	1.288	1.018	1.293	0.868		19.4		
Body	LTE Band 7	20	QPSK	H	0662M	1:1	-0.05	2510.00	21100	0.0	19.5	18.10	50	0	Right	5	0.755	1.380	1.042	1.321	0.827		19.3		
Body	LTE Band 7	20	QPSK	H	0662M	1:1	0.02	2560.00	21350	0.0	19.5	18.11	50	50	Right	5	0.506	1.377	0.697	0.885	0.554		21.0		
Body	LTE Band 7	20	QPSK	H	0662M	1:1	-0.04	2510.00	20850	0.0	19.5	18.31	100	0	Right	5	0.762	1.315	1.028	1.306	0.817		19.3		
Body-worn/body	LTE Band 7	20	QPSK	H	1165M	1:1	0.18	2510.00	20850	0.0	19.5	18.58	1	0	Back	5	0.228	1.236	0.282	0.358	0.224		25.0		
Body-worn/body	LTE Band 7	20	QPSK	H	1165M	1:1	-0.01	2510.00	20850	0.0	19.5	18.40	50	0	Back	5	0.218	1.288	0.233	0.296	0.185		25.8		
Body-worn/body	LTE Band 7	20	QPSK	H	1165M	1:1	0.20	2510.00	20850	0.0	19.5	18.59	1	0	Front	5	0.273	1.236	0.337	0.428	0.268		24.2		
Body-worn/body	LTE Band 7	20	QPSK	H	1165M	1:1	-0.02	2510.00	20850	0.0	19.5	18.40	50	0	Front	5	0.265	1.288	0.341	0.433	0.271		24.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																	Body								
Spatial Peak																	1.6 W/kg (W/kg)								
Uncontrolled Exposure/General Population																	averaged over 1 gram								



12.15 LTE Band 41 Standalone SAR

Table 12-76 Ant B Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Df [dB]	Frequency [MHz]	Channel #	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Head	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.15	2593.00	40620	0.0	25.5	23.62	1	99	Right Cheek	0	0.006	1.225	0.002	0.090	0.056		38.4		
Head	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.17	2593.00	40620	1.0	24.5	23.29	50	50	Right Cheek	0	0.018	1.321	0.024	0.084	0.053		38.7		
Head	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.01	2593.00	40620	0.0	25.5	23.62	1	99	Right Thr	0	0.016	1.225	0.022	0.062	0.039		40.0		
Head	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.04	2593.00	40620	1.0	24.5	23.29	50	50	Right Thr	0	0.019	1.321	0.031	0.047	0.029		41.3		
Head	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.06	2593.00	40620	0.0	25.5	23.62	1	99	Left Cheek	0	0.007	1.225	0.005	0.128	0.000		36.9		
Head	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.01	2593.00	40620	1.0	24.5	23.29	50	50	Left Cheek	0	0.030	1.321	0.040	0.141	0.000		36.5		
Head	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.04	2593.00	40620	0.0	25.5	23.62	1	99	Left Thr	0	0.015	1.225	0.018	0.052	0.033		40.8		
Head	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.06	2593.00	40620	1.0	24.5	23.29	50	50	Left Thr	0	0.012	1.321	0.016	0.056	0.035		40.5		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-77 Ant H Head | Plot A34

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Df [dB]	Frequency [MHz]	Channel #	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Head	LTE Band 41	20	QPSK	H	1160M	1:1.58	-0.18	2636.50	41055	0.0	19.5	19.15	1	0	Right Cheek	0	0.132	1.084	0.143	0.182	0.133		25.9		
Head	LTE Band 41	20	QPSK	H	1160M	1:1.58	-0.14	2636.50	41055	0.0	19.5	19.16	50	0	Right Cheek	0	0.130	1.081	0.141	0.179	0.132		26.0		
Head	LTE Band 41	20	QPSK	H	1160M	1:1.58	-0.09	2636.50	41055	0.0	19.5	19.15	1	0	Right Thr	0	0.075	1.084	0.081	0.103	0.065		28.4		
Head	LTE Band 41	20	QPSK	H	1160M	1:1.58	-0.01	2636.50	41055	0.0	19.5	19.16	50	0	Right Thr	0	0.077	1.081	0.079	0.109	0.062		28.5		
Head	LTE Band 41	20	QPSK	H	1160M	1:1.58	-0.02	2636.50	41055	0.0	19.5	19.15	1	0	Left Cheek	0	0.306	1.084	0.332	0.422	0.264	Plot	22.3	22.1	
Head	LTE Band 41	20	QPSK	H	1160M	1:1.58	0.04	2636.50	41055	0.0	19.5	19.16	50	0	Left Cheek	0	0.306	1.081	0.331	0.420	0.263		22.3		
Head	LTE Band 41	20	QPSK	H	1160M	1:1.58	-0.03	2636.50	41055	0.0	19.5	19.15	1	0	Left Thr	0	0.194	1.084	0.210	0.267	0.166		24.2		
Head	LTE Band 41	20	QPSK	H	1160M	1:1.58	-0.01	2636.50	41055	0.0	19.5	19.16	50	0	Left Thr	0	0.195	1.081	0.211	0.268	0.168		24.2		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-78 Ant B Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Df [dB]	Frequency [MHz]	Channel #	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.18	2596.00	39750	0.0	22.5	21.89	1	0	Bottom	5	0.777	1.151	0.894	1.139	0.710		21.0		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.05	2549.50	40185	0.0	22.5	21.26	1	99	Bottom	5	0.742	1.330	0.987	1.253	0.784		20.5		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.02	2593.00	40620	0.0	22.5	21.36	1	0	Bottom	5	0.844	1.242	1.048	1.331	0.832		20.3		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.01	2636.50	41955	0.0	22.5	21.95	1	0	Bottom	5	0.580	1.140	0.946	1.201	0.753		20.7		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.01	2680.00	41490	0.0	22.5	21.95	1	0	Bottom	5	0.752	1.285	0.966	1.227	0.787		20.8		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.04	2596.00	39750	0.0	22.5	21.93	50	0	Bottom	5	0.795	1.222	0.971	1.233	0.771		20.6		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.06	2549.50	40185	0.0	22.5	21.94	50	50	Bottom	5	0.769	1.396	0.999	1.269	0.762		20.5		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.01	2593.00	40620	0.0	22.5	21.94	50	0	Bottom	5	0.897	1.276	1.068	1.356	0.848		20.2		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.02	2636.50	41955	0.0	22.5	21.71	50	0	Bottom	5	0.833	1.199	0.999	1.269	0.792		20.5		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.02	2680.00	41490	0.0	22.5	21.70	50	25	Bottom	5	0.739	1.202	0.881	1.119	0.700		21.0		
Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.01	2636.50	41955	0.0	22.5	21.67	100	0	Bottom	5	0.792	1.211	0.999	1.218	0.761		20.6		
Body	LTE Band 41	20	QPSK	B	0662M	1:1.58	0.00	2636.50	41955	0.0	22.5	21.93	1	0	Left	5	0.132	1.140	0.150	0.193	0.119		28.7		
Body	LTE Band 41	20	QPSK	B	0662M	1:1.58	0.18	2636.50	41955	0.0	22.5	21.71	50	0	Left	5	0.150	1.199	0.156	0.198	0.124		28.5		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.02	2596.00	39750	0.0	22.5	21.89	1	0	Back	5	0.748	1.151	0.861	1.093	0.683		21.1	20.7	
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.12	2549.50	40185	0.0	22.5	21.26	1	99	Back	5	0.709	1.330	0.943	1.198	0.748		20.7		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.07	2636.50	41955	0.0	22.5	21.98	1	0	Back	5	0.750	1.242	0.876	1.113	0.698		21.0		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.07	2636.50	41955	0.0	22.5	21.93	1	0	Back	5	0.787	1.140	0.897	1.139	0.712		20.9		
Body worn/Body	LTE Band 41	20	QPSK	B	0359M	1:1.58	0.00	2680.00	41490	0.0	22.5	21.41	1	0	Back	5	0.788	1.285	1.013	1.287	0.804		20.4		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.10	2596.00	39750	0.0	22.5	21.62	50	0	Back	5	0.757	1.222	0.905	1.175	0.734		20.8		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.08	2549.50	40185	0.0	22.5	21.34	50	50	Back	5	0.745	1.396	0.932	1.184	0.740		20.8		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.02	2593.00	40620	0.0	22.5	21.44	50	0	Back	5	0.723	1.276	0.921	1.170	0.752		20.8		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.02	2636.50	41955	0.0	22.5	21.70	50	0	Back	5	0.740	1.199	0.903	1.126	0.709		21.0		
Body worn/Body	LTE Band 41	20	QPSK	B	0359M	1:1.58	-0.01	2680.00	41490	0.0	22.5	21.70	50	25	Back	5	0.720	1.202	0.926	1.176	0.735		20.8		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.02	2636.50	41955	0.0	22.5	21.67	100	0	Back	5	0.754	1.211	0.913	1.160	0.725		20.9		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	0.06	2636.50	41955	0.0	22.5	21.90	1	0	Front	5	0.438	1.140	0.900	1.035	0.688		21.5		
Body worn/Body	LTE Band 41	20	QPSK	B	0779M	1:1.58	-0.01	2636.50	41955	0.0	22.5	21.71	50	0	Front	5	0.433	1.199	0.943	0.990	0.631		23.1		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-79 Ant B Closed Body | Plot A35

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfM [dB]	Frequency [MHz]	Channel #	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	SPS Limit [dBm]	
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	-0.04	2506.00	39750	0.0	23.5	23.06	1	0	Bottom	5	0.601	1.107	0.665	0.845	0.528		23.2			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	0.07	2549.50	40185	0.0	23.5	23.03	1	50	Bottom	5	0.406	1.119	0.678	0.861	0.538		23.2			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	0.01	2593.00	40620	0.0	23.5	22.80	1	99	Bottom	5	0.682	1.175	0.778	0.988	0.618		22.6			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	-0.02	2636.50	41955	0.0	23.5	22.67	1	50	Bottom	5	0.589	1.104	0.655	0.831	0.573		23.3			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	-0.01	2680.00	41490	0.0	23.5	22.71	1	50	Bottom	5	0.632	1.189	0.738	0.962	0.603		22.7			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	-0.06	2506.00	39750	0.0	23.5	22.84	50	0	Bottom	5	0.603	1.138	0.686	0.871	0.544		23.1			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	0.02	2549.50	40185	0.0	23.5	22.75	50	25	Bottom	5	0.609	1.189	0.724	0.920	0.575		23.3			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	0.05	2593.00	40620	0.0	23.5	22.78	50	25	Bottom	5	0.607	1.186	0.729	0.927	0.578		23.3			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	-0.00	2636.50	41955	0.0	23.5	22.60	50	0	Bottom	5	0.636	1.222	0.707	0.898	0.561		22.5			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	-0.01	2680.00	41490	0.0	23.5	22.83	50	0	Bottom	5	0.633	1.167	0.739	0.938	0.586		22.8			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	0.00	2636.50	41955	0.0	23.5	22.65	50	0	Bottom	5	0.636	1.155	0.704	0.894	0.559		23.0			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	-0.01	2636.50	41955	0.0	23.5	23.07	1	50	Left	5	0.168	1.004	0.185	0.236	0.146		28.8			
Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	0.01	2636.50	41955	0.0	23.5	23.00	50	0	Left	5	0.181	1.122	0.203	0.258	0.161		28.4			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	-0.04	2506.00	39750	0.0	23.5	23.08	50	0	Back	5	0.603	1.107	0.665	0.845	0.528		23.2			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	-0.02	2636.50	41955	0.0	23.5	23.01	1	50	Back	5	1.000	1.119	1.119	1.421	0.889		21.0			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	0.03	2593.00	40620	0.0	23.5	22.80	1	99	Back	5	0.626	1.175	1.088	1.382	0.864		21.3			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	0.05	2636.50	41955	0.0	23.5	22.67	1	50	Back	5	0.589	1.104	0.655	0.832	0.574		23.3			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	-0.01	2680.00	41490	0.0	23.5	22.71	1	50	Back	5	0.603	1.199	0.663	0.823	0.564		23.1			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	-0.06	2506.00	39750	0.0	23.5	22.84	50	0	Back	5	1.038	1.138	1.172	1.489	0.931	Plot	20.8			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	0.00	2636.50	41955	0.0	23.5	22.60	50	0	Back	5	0.636	1.155	0.704	0.894	0.559		23.0			
Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	-0.01	2549.50	40185	0.0	23.5	22.75	50	25	Back	5	0.937	1.189	1.114	1.458	0.884		21.0			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	0.03	2593.00	40620	0.0	23.5	22.76	50	50	Back	5	0.968	1.186	1.148	1.458	0.891		21.3			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	0.05	2636.50	41955	0.0	23.5	22.66	50	50	Back	5	0.934	1.122	1.037	1.317	0.833		21.3			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	-0.01	2680.00	41490	0.0	23.5	22.83	50	50	Back	5	0.927	1.267	0.965	1.226	0.765		20.6			
Body-worn/Body	LTE Band 41	20	QPSK	B	0884M	1:1.58	0.01	2636.50	41955	0.0	23.5	22.95	10	0	Back	5	0.907	1.135	1.029	1.307	0.817		21.3			
Body-worn/Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	0.03	2549.50	40185	0.0	23.5	22.75	50	0	Front	5	0.961	1.054	0.967	1.207	0.736		21.4			
Body-worn/Body	LTE Band 41	20	QPSK	B	1160M	1:1.58	-0.21	2636.50	41955	0.0	23.5	23.00	50	0	Front	5	0.041	1.222	0.046	0.058	0.036		34.8			
ANSI/IEEE C63.1-1992 - SAFETY LIMIT																	Body 1.6 W/kg (mW/g) averaged over 1 gram									



Table 12-80 Ant H Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 41	20	QPSK	H	1165M	1:1.58	-0.02	2636.50	41055	0.0	22.0	21.59	1	0	Top	5	0.132	1.099	0.145	0.184	0.116		28.4		
Body	LTE Band 41	20	QPSK	H	1165M	1:1.58	-0.15	2636.50	41055	0.0	22.0	21.69	50	0	Top	5	0.129	1.074	0.139	0.177	0.110		28.6		
Body	LTE Band 41	20	QPSK	H	0662M	1:1.58	0.03	2636.50	41055	0.0	22.0	21.59	1	0	Right	5	0.493	1.099	0.542	0.688	0.431		22.6		
Body	LTE Band 41	20	QPSK	H	0662M	1:1.58	0.00	2636.50	41055	0.0	22.0	21.69	50	0	Right	5	0.503	1.074	0.540	0.686	0.429		22.6		
Body worn/Body	LTE Band 41	20	QPSK	H	1165M	1:1.58	-0.02	2636.50	41055	0.0	22.0	21.59	1	0	Back	5	0.244	1.099	0.268	0.340	0.223		25.7		
Body worn/Body	LTE Band 41	20	QPSK	H	1165M	1:1.58	-0.04	2636.50	41055	0.0	22.0	21.59	50	0	Back	5	0.248	1.074	0.266	0.338	0.211		25.7		
Body worn/Body	LTE Band 41	20	QPSK	H	1165M	1:1.58	-0.04	2636.50	41055	0.0	22.0	21.59	1	0	Front	5	0.224	1.099	0.246	0.312	0.196		26.1		
Body worn/Body	LTE Band 41	20	QPSK	H	1165M	1:1.58	-0.13	2636.50	41055	0.0	22.0	21.69	50	0	Front	5	0.221	1.074	0.237	0.301	0.188		26.2		
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-81 Ant H Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	LTE Band 41	20	QPSK	H	0355M	1:1.58	-0.11	2636.50	41055	0.0	22.0	21.59	1	0	Bottom	5	0.546	1.099	0.651	0.664	0.640		22.9		
Body	LTE Band 41	20	QPSK	H	0355M	1:1.58	-0.09	2636.50	41055	0.0	22.0	21.69	50	0	Bottom	5	0.545	1.074	0.648	0.661	0.638		31.1		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	-0.02	2506.00	39750	0.0	22.0	20.96	1	0	Right	5	0.415	1.271	0.527	0.670	0.419		22.7		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	0.03	2549.50	40785	0.0	22.0	20.53	1	99	Right	5	0.459	1.403	0.644	0.818	0.511		21.9		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	0.01	2593.00	40630	0.0	22.0	21.29	1	99	Right	5	0.451	1.178	0.728	0.920	0.575		21.4		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	0.00	2636.50	41055	0.0	22.0	21.59	1	0	Right	5	0.709	1.099	0.779	0.990	0.619		21.0		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	-0.07	2680.00	41490	0.0	22.0	20.49	1	0	Right	5	0.744	1.416	1.054	1.338	0.836		19.7		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	-0.02	2506.00	39750	0.0	22.0	20.81	50	0	Right	5	0.424	1.315	0.558	0.708	0.443		22.5		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	-0.02	2549.50	40785	0.0	22.0	20.96	50	25	Right	5	0.461	1.459	0.655	0.816	0.523		21.9		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	-0.01	2593.00	40630	0.0	22.0	21.33	25	50	Right	5	0.602	1.167	0.703	0.892	0.558		21.5		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	0.01	2636.50	41055	0.0	22.0	21.69	50	0	Right	5	0.955	1.074	0.757	0.962	0.601		21.2		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	-0.01	2680.00	41490	0.0	22.0	20.50	50	0	Right	5	0.711	1.473	1.095	1.276	0.798		19.9		
Body	LTE Band 41	20	QPSK	H	0891M	1:1.58	0.00	2636.50	41055	0.0	22.0	21.45	1000	0	Right	5	0.658	1.125	0.740	0.940	0.588		21.3		
Body worn/Body	LTE Band 41	20	QPSK	H	0355M	1:1.58	0.01	2636.50	41055	0.0	22.0	21.59	1	0	Back	5	0.691	1.099	0.699	0.713	0.671		30.5		
Body worn/Body	LTE Band 41	20	QPSK	H	0355M	1:1.58	-0.03	2636.50	41055	0.0	22.0	21.69	50	0	Back	5	0.682	1.074	0.688	0.712	0.670		30.5		
Body worn/Body	LTE Band 41	20	QPSK	H	0355M	1:1.58	-0.02	2636.50	41055	0.0	22.0	21.59	1	0	Front	5	0.209	1.099	0.225	0.348	0.218		25.6		
Body worn/Body	LTE Band 41	20	QPSK	H	0355M	1:1.58	0.02	2636.50	41055	0.0	22.0	21.69	50	0	Front	5	0.243	1.074	0.261	0.331	0.207		25.8		
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.16 LTE Band 48 Standalone SAR

Table 12-82 Ant F Head | Plot A36

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Add'l Info	Serial Number	Duty Cycle	Power Dfth [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	-0.13	3646.70	56207	0.0	16.0	14.95	1	0	Right Check	0	0.917	1.274	0.404	0.513	0.323	Plot	17.9		
Head	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	-0.01	3646.70	56207	0.0	16.0	14.97	50	0	Right Check	0	0.929	1.268	0.392	0.498	0.311		18.0		
Head	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.02	3646.70	56207	0.0	16.0	14.95	1	0	Right Tib	0	0.218	1.274	0.278	0.333	0.221		19.5		
Head	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	-0.02	3646.70	56207	0.0	16.0	14.95	50	0	Right Tib	0	0.214	1.268	0.271	0.345	0.216		19.6		
Head	LTE Band 48	20	QPSK	F	N/A	1157M	1:1.58	0.09	3646.70	56207	0.0	16.0	14.95	1	0	Left Check	0	0.982	1.274	0.679	0.100	0.083		25.0		
Head	LTE Band 48	20	QPSK	F	N/A	1157M	1:1.58	0.07	3646.70	56207	0.0	16.0	14.97	50	0	Left Check	0	0.960	1.268	0.676	0.097	0.081		25.2		
Head	LTE Band 48	20	QPSK	F	N/A	1157M	1:1.58	0.02	3646.70	56207	0.0	16.0	14.95	1	0	Left Tib	0	0.205	1.274	0.084	0.081	0.051		20.5		
Head	LTE Band 48	20	QPSK	F	N/A	1157M	1:1.58	-0.02	3646.70	56207	0.0	16.0	14.97	50	0	Left Tib	0	0.208	1.268	0.092	0.082	0.049		20.6		
Head	LTE Band 48	20	QPSK	F	ULCA ABC	0891M	1:1.58	-0.05	3646.70	56207	0.0	16.0	15.21	1	0	Right Check	0	0.914	1.199	0.376	0.478	0.295		18.2		
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram									

Table 12-83 Ant F Open Body | Plot A37, A38

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Add'l Info	Serial Number	Duty Cycle	Power Dfth [dB]	Frequency [MHz]	Channel #	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]	
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.03	3646.70	56207	0.0	19.0	18.74	1	0	Top	5	0.425	1.062	0.451	0.573	0.359		20.4			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.07	3646.70	56207	0.0	19.0	18.81	50	0	Top	5	0.416	1.045	0.435	0.552	0.345		20.6			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.00	3560.00	55340	0.0	19.0	18.51	1	0	Left	5	0.705	1.119	0.789	1.002	0.626		18.0			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.02	3603.30	55773	0.0	19.0	18.63	1	99	Left	5	0.703	1.089	0.766	0.972	0.609		18.1			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	-0.02	3646.70	56207	0.0	19.0	18.74	1	0	Left	5	0.707	1.062	0.751	0.954	0.596		18.2			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.02	3600.00	56440	0.0	19.0	18.63	1	0	Left	5	0.689	1.089	0.729	0.925	0.578		18.3			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.03	3560.00	55340	0.0	19.0	18.60	50	50	Left	5	0.717	1.076	0.771	0.980	0.613		18.1			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	-0.01	3603.30	55773	0.0	19.0	18.80	50	50	Left	5	0.723	1.047	0.757	0.961	0.601	Plot	18.2			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.05	3646.70	56207	0.0	19.0	18.81	50	0	Left	5	0.707	1.045	0.739	0.938	0.586		18.3			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.02	3600.00	56440	0.0	19.0	18.65	50	0	Left	5	0.690	1.064	0.715	0.909	0.588		18.4			
Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.04	3646.70	56207	0.0	19.0	18.75	100	0	Left	5	0.695	1.064	0.742	0.942	0.589		18.4			
Body worn/Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.05	3646.70	56207	0.0	19.0	18.74	1	0	Back	5	0.566	1.062	0.589	0.494	0.309		21.1			
Body worn/Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	-0.08	3646.70	56207	0.0	19.0	18.81	50	0	Back	5	0.575	1.045	0.587	0.493	0.307	Plot	21.2			
Body worn/Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	0.11	3646.70	56207	0.0	19.0	18.74	1	0	Front	5	0.587	1.062	0.579	0.482	0.301	21.3				
Body worn/Body	LTE Band 48	20	QPSK	F	N/A	0891M	1:1.58	-0.08	3646.70	56207	0.0	19.0	18.81	50	0	Front	5	0.551	1.045	0.567	0.466	0.291	21.1				
Body	LTE Band 48	20	QPSK	F	ULCA ABC	0891M	1:1.58	0.04	3579.80	55538	0.0	19.0	18.51	50	0	Left	5	0.718	1.119	0.803	1.020	0.637		17.9			
ANCILLARY CRE 1.1902 - 1992 - 1992																		Body 1.5 W/kg over 1gpm									
Uncovered Exposure/General Population																											



12.17 NR Band n71 Standalone SAR

Table 12-85 Ant A Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	NR Band n71	35	QPSK	A	1153M	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Right Cheek	0	1	0.126	1.175	0.160	0.175	0.112	32.4			
Head	NR Band n71	35	QPSK	A	1153M	1:1	0.11	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Right Cheek	0	1	0.180	1.211	0.218	0.244	0.153	31.1			
Head	NR Band n71	35	QPSK	A	1153M	1:1	-0.03	680.50	136100	CP-OFDM	1.5	23.0	22.63	1	1	Right Cheek	0	1	0.096	1.250	0.120	0.190	0.115	32.2			
Head	NR Band n71	35	QPSK	A	1153M	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Right Tib	0	1	0.090	1.175	0.073	0.082	0.051	35.8			
Head	NR Band n71	35	QPSK	A	1153M	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Right Tib	0	1	0.079	1.211	0.096	0.107	0.067	34.6			
Head	NR Band n71	35	QPSK	A	1153M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Left Cheek	0	1	0.106	1.175	0.125	0.140	0.098	33.5			
Head	NR Band n71	35	QPSK	A	1153M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Left Cheek	0	1	0.125	1.211	0.163	0.183	0.114	32.3			
Head	NR Band n71	35	QPSK	A	1153M	1:1	0.06	680.50	136100	DFT-s-OFDM	0.0	24.5	23.86	1	1	Left Tib	0	1	0.064	1.175	0.075	0.084	0.053	35.7			
Head	NR Band n71	35	QPSK	A	1153M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Left Tib	0	1	0.050	1.211	0.085	0.095	0.059	35.2			
ANSI/IEEE C63.19-2 - SAFETY LIMIT																			Head								
Spatial Peak																			1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																			averaged over 1 gram								

Table 12-86 Ant E Head | Plot A39

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	22.5	22.13	1	186	Right Cheek	0	1	0.474	1.089	0.516	0.656	0.410	36.3			
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	22.5	22.07	90	98	Right Cheek	0	1	0.504	1.104	0.556	0.707	0.462	36.0			
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.02	680.50	136100	CP-OFDM	0.0	22.5	21.86	1	1	Right Cheek	0	1	0.326	1.161	0.463	0.640	0.326	Plot	35.2		
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	22.5	22.13	1	186	Right Tib	0	1	0.373	1.089	0.188	0.239	0.149	40.7			
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	22.5	22.07	90	98	Right Tib	0	1	0.391	1.104	0.211	0.268	0.168	40.2			
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	22.5	22.13	1	186	Left Cheek	0	1	0.215	1.089	0.232	0.295	0.184	39.8			
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	22.5	22.07	90	98	Left Cheek	0	1	0.226	1.104	0.250	0.317	0.198	39.4			
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.03	680.50	136100	DFT-s-OFDM	0.0	22.5	22.13	1	186	Left Tib	0	1	0.302	1.089	0.111	0.141	0.098	43.0			
Head	NR Band n71	35	QPSK	E	1153M	1:1	0.03	680.50	136100	DFT-s-OFDM	0.0	22.5	22.07	90	98	Left Tib	0	1	0.307	1.104	0.118	0.150	0.094	42.7			
ANSI/IEEE C63.19-2 - SAFETY LIMIT																			Head								
Spatial Peak																			1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																			averaged over 1 gram								

Table 12-87 Ant A Open Body | Plot A40

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n71	35	QPSK	A	1159M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Bottom	5	1	0.589	1.175	0.690	0.690	0.431	26.1			
Body	NR Band n71	35	QPSK	A	1159M	1:1	-0.04	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Bottom	5	1	0.709	1.211	0.883	0.883	0.552	25.0			
Body	NR Band n71	35	QPSK	A	1159M	1:1	0.00	680.50	136100	DFT-s-OFDM	1.0	23.5	23.50	180	0	Bottom	5	1	0.567	1.209	0.714	0.747	0.467	24.9			
Body	NR Band n71	35	QPSK	A	1159M	1:1	-0.01	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Right	5	1	0.635	1.175	0.723	0.733	0.462	25.9			
Body	NR Band n71	35	QPSK	A	1159M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Right	5	1	0.680	1.211	0.840	0.840	0.528	25.3			
Body	NR Band n71	35	QPSK	A	1159M	1:1	-0.01	680.50	136100	DFT-s-OFDM	1.0	23.5	22.50	180	0	Right	5	1	0.524	1.209	0.660	0.691	0.432	25.3			
Body worn/Body	NR Band n71	35	QPSK	A	1153M	1:1	0.04	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Back	5	1	0.839	1.175	0.986	0.986	0.636	24.7			
Body worn/Body	NR Band n71	35	QPSK	A	1153M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Back	5	1	0.985	1.211	1.193	1.193	0.746	Plot	23.7		
Body worn/Body	NR Band n71	35	QPSK	A	1159M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Back	5	1	0.985	1.211	1.193	1.193	0.746	23.7			
Body worn/Body	NR Band n71	35	QPSK	A	1159M	1:1	0.11	680.50	136100	DFT-s-OFDM	1.0	23.5	22.50	180	0	Back	5	1	0.762	1.209	0.947	0.991	0.619	23.7			
Body worn/Body	NR Band n71	35	QPSK	A	1159M	1:1	0.05	680.50	136100	CP-OFDM	1.5	23.0	22.01	1	1	Back	5	1	0.486	1.200	0.608	0.714	0.446	26.1			
Body worn/Body	NR Band n71	35	QPSK	A	1153M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Front	5	1	0.485	1.175	0.570	0.570	0.356	25.9			
Body worn/Body	NR Band n71	35	QPSK	A	1159M	1:1	-0.01	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Front	5	1	0.590	1.211	0.717	0.717	0.448	25.9			
ANSI/IEEE C63.19-2 - SAFETY LIMIT																			Body								
Spatial Peak																			1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																			averaged over 1 gram								

Note: Blue entry represents variability measurement

Table 12-88 Ant A Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n71	35	QPSK	A	1153M	1:1	-0.06	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Bottom	5	1	0.426	1.175	0.501	0.501	0.313	27.5			
	NR Band n71	35	QPSK	A	1153M	1:1	-0.20	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Bottom	5	1	0.526	1.211	0.637	0.637	0.398	26.4			
Body	NR Band n71	35	QPSK	A	1153M	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Right	5	1	0.581	1.175	0.674	0.674	0.396	25.8			
	NR Band n71	35	QPSK	A	1153M	1:1	-0.12	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Right	5	1	0.680	1.211	0.862	0.862	0.551	25.3			
Body worn/Body	NR Band n71	35	QPSK	A	1153M	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	24.5	23.80	1	1	Back	5	1	0.610	1.175	0.727	0.727	0.454	25.8			
Body worn/Body	NR Band n71	35	QPSK	A	1153M	1:1	0.08	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Back	5	1	0.761	1.211	0.923	0.923	0.577	24.8			
	NR Band n71	35	QPSK	A	1153M	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	24.5	23.67	90	49	Back	5	1	0.680	1.211	0.862	0.862	0.551	25.3			
Body worn/Body	NR Band n71	35	QPSK	A	1159M	1:1	-0.02	680.50	136100	CP-OFDM	1.5	23.0	22.01	1	1	Back	5	1	0.526	1.250	0.666	0.657	0.379	24.8			
Body worn/Body	NR Band n71	35	QPSK	A	1159M	1:1	-0.03	680.50	136100	CP-OFDM	0.0	24.5	23.80	1	1	Front	5	1	0.526	1.250	0.666	0.657	0.379	24.8			
	NR Band n71	35	QPSK	A	1159M	1:1	-0.03	680.50	136100	CP-OFDM	0.0	24.5	23.67	90	49	Front	5	1	0.526	1.250	0.666	0.657	0.379	24.8			
Body worn/Body	NR Band n71	35	QPSK	A	1159M	1:1	-0.03	680.50	136100	CP-OFDM	0.0	24.5	23.67	90	49	Front	5	1	0.526	1.250	0.666	0.657	0.379	24.8			
ANU/NERC 19-02 - SAFETY Limit																				1.6 W/kg							
Spatial Peak																				reported over 10gms							
Unmodulated Exposure/General Population																											



Table 12-90 Ant E Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	PlotB [dBm]	Overall PlotB [dBm]	EPS limit [dBm]
Body	NR Band n12	15	QPSK	E	1113M	1:1	-0.20	680.50	136100	DFT-s-OFDM	0.0	23.0	22.46	1	186	Top	5	0.004	1.132	0.016	0.000	0.003		51.9		
Body	NR Band n12	15	QPSK	E	1113M	1:1	-0.09	680.50	136100	DFT-s-OFDM	0.0	23.0	22.53	90	98	Top	5	0.005	1.114	0.017	0.021	0.021		51.7		
Body	NR Band n12	15	QPSK	E	1113M	1:1	-0.07	680.50	136100	DFT-s-OFDM	0.0	23.0	22.46	1	186	Bottom	5	0.003	1.132	0.006	0.003	0.003		49.8		
Body	NR Band n12	15	QPSK	E	1113M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	23.0	22.59	90	98	Bottom	5	0.002	1.114	0.025	0.031	0.039		50.0		
Body	NR Band n12	15	QPSK	E	1113M	1:1	-0.01	680.50	136100	DFT-s-OFDM	0.0	23.0	22.46	1	186	Left	5	0.006	1.114	0.016	0.001	0.001		50.5		
Body	NR Band n12	15	QPSK	E	1113M	1:1	0.12	680.50	136100	DFT-s-OFDM	0.0	23.0	22.53	90	98	Left	5	0.006	1.114	0.021	0.001	0.001		50.4		
Body-worn/Body	NR Band n12	15	QPSK	E	1113M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	23.0	22.46	1	186	Back	5	0.004	1.132	0.006	0.030	0.004		43.6		
Body-worn/Body	NR Band n12	15	QPSK	E	1113M	1:1	-0.10	680.50	136100	DFT-s-OFDM	0.0	23.0	22.53	90	98	Back	5	0.004	1.114	0.005	0.030	0.005		43.1		
Body-worn/Body	NR Band n12	15	QPSK	E	1113M	1:1	0.04	680.50	136100	DFT-s-OFDM	0.0	23.0	22.46	1	186	Front	5	0.001	1.132	0.341	0.433	0.371		38.6		
Body-worn/Body	NR Band n12	15	QPSK	E	1113M	1:1	-0.10	680.50	136100	DFT-s-OFDM	0.0	23.0	22.53	90	98	Front	5	0.048	1.114	0.388	0.493	0.308		38.0		
Body-worn/Body	NR Band n12	15	QPSK	E	1113M	1:1	0.04	680.50	136100	CP-OFDM	0.0	23.0	22.59	1	1	Front	5	0.004	1.099	0.323	0.430	0.256		38.8		
ANSI/IEEE C63.1-1997 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1 1.6 W/kg (mW/g) averaged over 1 gram								

12.18 NR Band n12 Standalone SAR

Table 12-91 Ant A Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Time state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	PlotB [dBm]	Overall PlotB [dBm]	EPS PlotB [dBm]
Head	NR Band n12	15	QPSK	A	1113M	1:1	-0.00	707.50	141500	DFT-s-OFDM	0.0	25.0	24.07	1	77	Right Cheek	0	1	0.203	1.229	0.252	0.317	0.198		30.9		
Head	NR Band n12	15	QPSK	A	1113M	1:1	-0.09	707.50	141500	DFT-s-OFDM	0.0	25.0	23.96	36	22	Right Cheek	0	1	0.198	1.271	0.252	0.317	0.198		30.9		
Head	NR Band n12	15	QPSK	A	1113M	1:1	-0.03	707.50	141500	CP-OFDM	1.5	23.5	22.46	1	1	Right Cheek	0	1	0.140	1.271	0.184	0.328	0.205		30.5		
Head	NR Band n12	15	QPSK	A	1113M	1:1	-0.10	707.50	141500	DFT-s-OFDM	0.0	25.0	24.07	1	77	Right TH	0	28	0.090	1.229	0.113	0.162	0.089		34.6		
Head	NR Band n12	15	QPSK	A	1113M	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	25.0	23.96	36	22	Right TH	0	28	0.101	1.271	0.128	0.162	0.101		33.9		
Head	NR Band n12	15	QPSK	A	1113M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	25.0	24.07	1	77	Left Cheek	0	64	0.103	1.229	0.102	0.240	0.151		32.1	30.8	
Head	NR Band n12	15	QPSK	A	1113M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	25.0	23.96	36	22	Left Cheek	0	64	0.103	1.271	0.102	0.240	0.151		32.1		
Head	NR Band n12	15	QPSK	A	1113M	1:1	0.18	707.50	141500	DFT-s-OFDM	0.0	25.0	24.07	1	77	Left TH	0	64	0.080	1.229	0.112	0.146	0.080		34.0	26.0	
Head	NR Band n12	15	QPSK	A	1113M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	25.0	23.96	36	22	Left TH	0	64	0.080	1.271	0.102	0.128	0.080		34.0		
ANSI/IEEE C63.1-1997 - SAFETY LIMIT																		Head									
Spatial Peak																		1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population																		averaged over 1 gram									

Table 12-92 Ant E Head | Plot A41

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	PlotB [dBm]	Overall PlotB [dBm]	EPS PlotB [dBm]
Head	NR Band n12	15	QPSK	E	1113M	1:1	0.09	707.50	141500	DFT-s-OFDM	0.0	22.0	21.42	1	77	Right Cheek	0	0.006	1.143	0.750	0.952	0.595		23.2		
Head	NR Band n12	15	QPSK	E	1113M	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	22.0	21.50	36	43	Right Cheek	0	0.004	1.122	0.745	0.946	0.591	Plot	23.2		
Head	NR Band n12	15	QPSK	E	1113M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	22.0	21.37	1	1	Right Cheek	0	0.025	1.156	0.723	0.918	0.574		23.4		
Head	NR Band n12	15	QPSK	E	1113M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	22.0	21.42	1	77	Right TH	0	0.018	1.143	0.249	0.316	0.150		28.0		
Head	NR Band n12	15	QPSK	E	1113M	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	22.0	21.50	36	43	Right TH	0	0.021	1.132	0.245	0.311	0.154		28.0		
Head	NR Band n12	15	QPSK	E	1113M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	22.0	21.42	1	77	Left Cheek	0	0.001	1.143	0.750	0.952	0.595		23.2	21.0	
Head	NR Band n12	15	QPSK	E	1113M	1:1	0.05	707.50	141500	DFT-s-OFDM	0.0	22.0	21.50	36	43	Left Cheek	0	0.012	1.122	0.305	0.389	0.243		27.1		
Head	NR Band n12	15	QPSK	E	1113M	1:1	0.03	707.50	141500	DFT-s-OFDM	0.0	22.0	21.42	1	77	Left TH	0	0.148	1.143	0.804	0.183	0.114		30.4		
Head	NR Band n12	15	QPSK	E	1113M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	22.0	21.50	36	43	Left TH	0	0.101	1.122	0.147	0.187	0.117		30.3		
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-93 Ant A Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Time state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	PlotB [dBm]	Overall PlotB [dBm]	EPS PlotB [dBm]
Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	23.5	22.41	1	77	Bottom	5	20	0.569	1.295	0.711	0.929	0.581		24.8		
Body	NR Band n12	15	QPSK	A	1113M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	23.5	22.48	36	43	Bottom	5	20	0.476	1.396	0.909	0.849	0.516		24.8		
Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.00	707.50	141500	DFT-s-OFDM	0.0	23.5	22.41	1	77	Right	5	10	0.482	1.295	0.555	0.755	0.441		26.0		
Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	23.5	22.34	36	43	Right	5	10	0.434	1.306	0.554	0.703	0.439		26.0		
Body worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.12	707.50	141500	DFT-s-OFDM	0.0	23.5	22.41	1	77	Back	5	20	0.796	1.295	1.013	1.289	0.661		23.4		
Body worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	0.07	707.50	141500	DFT-s-OFDM	0.0	23.5	22.34	36	43	Back	5	20	0.789	1.306	1.029	1.507	0.817		23.4		
Body worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	23.5	22.20	75	0	Back	5	20	0.759	1.349	1.023	1.299	0.812		23.4		
Body worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	23.5	22.34	36	43	Front	5	20	0.801	1.306	1.041	1.299	0.812		23.4		
Body worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	23.5	22.41	1	77	Front	5	20	0.510	1.295	0.655	0.832	0.520		25.3		
Body worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	23.5	22.34	36	43	Front	5	20	0.510	1.306	0.666	0.846	0.520		25.2		
ANSI/IEEE C63.1-1997 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																				Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 12-94 Ant A Closed Body | Plot A42

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Time state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	PlotB [dBm]	Overall PlotB [dBm]	EPS PlotB [dBm]
Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	24.5	23.36	1	77	Bottom	5	20	0.476	1.361	0.648	0.823	0.534		26.3		
Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	24.5	23.05	36	22	Bottom	5	20	0.449	1.396	0.909	0.849	0.516		26.3		
Body	NR Band n12	15	QPSK	A	1113M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	24.5	23.36	1	77	Right	5	20	0.340	1.361	0.339	0.430	0.289		29.1		
Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.00	707.50	141500	DFT-s-OFDM	0.0	24.5	23.05	36	22	Right	5	20	0.205	1.396	0.356	0.452	0.283		28.9		
Body-worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	24.5	23.36	1	77	Bottom	5	20	0.476	1.361	0.648	0.823	0.534	Plot	26.3		
Body-worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	24.5	23.05	36	22	Bottom	5	20	0.449	1.396	0.909	0.849	0.516		26.3	23.8	23.5
Body-worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	24.0	22.80	75	0	Back	5	20	0.775	1.318	1.021	1.287	0.811		23.9		
Body-worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	0.01	707.50	141500	CP-OFDM	0.5	23.5	23.5	1	77	Right	5	19	0.683	1.361	0.850	1.040	0.700		24.1		
Body-worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	24.0	22.80	1	77	Front	5	19	0.713	1.318	0.724	0.267	0.186		23.9		
Body-worn/Body	NR Band n12	15	QPSK	A	1113M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	24.5	23.05	36	22	Front	5	19	0.222	1.396	0.222	0.283	0.176		31.0		
ANSI/IEEE C63.19-2 - SAFETY LIMIT																											
Spatial Peak																											
Uncontrolled Exposure/General Population																											
averaged over 1 gram																											

Table 12-96 Ant E Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DUT [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]	Exposure Ratio [1g SAR]	Plot #	Plot1 [dBm]	Overall Plot1 [dBm]	EPS Plot1 [dBm]
Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.08	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	1	77	Top	5	0.008	1.130	0.009	0.011	0.007			43.9	
Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.12	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	36	43	Top	5	0.006	1.130	0.007	0.009	0.006			45.1	
Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.35	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	1	77	Bottom	5	0.013	1.130	0.015	0.019	0.012			41.8	
Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	36	43	Bottom	5	0.009	1.130	0.010	0.013	0.008			45.4	
Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	1	77	Left	5	0.006	1.130	0.008	0.009	0.006			45.9	
Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	36	43	Left	5	0.006	1.130	0.015	0.025	0.015			38.1	29.9
Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.12	707.50	141500	CP-OFDM	0.0	23.5	22.98	1	1	Left	5	0.007	1.151	0.009	0.009	0.006			38.2	
Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	1	77	Back	5	0.007	1.130	0.008	0.009	0.006			45.9	
Body-worn/Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	36	43	Back	5	0.001	1.130	0.008	0.007	0.006			35.8	
Body-worn/Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	1	77	Front	5	0.004	1.130	0.019	0.028	0.014			30.0	
Body-worn/Body	NR Band n12	15	QPSK	E	1153M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	23.5	22.97	36	43	Front	5	0.005	1.130	0.018	0.027	0.013			30.1	
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.19 NR Band n14 Standalone SAR

Table 12-97 Ant A Head

posure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DUT [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]	Exposure Ratio [1g SAR]	Plot #	Plot1 [dBm]	Overall Plot1 [dBm]	EPS Plot1 [dBm]
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.03	793.00	158600	DFT-s-OFDM	0.0	25.0	24.01	1	26	Right Cheek	0	110	0.222	1.256	0.279	0.351	0.219		30.3		
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.10	793.00	158600	CP-OFDM	0.0	25.0	23.94	25	14	Right Cheek	0	110	0.225	1.276	0.287	0.362	0.226		30.4		
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.14	793.00	158600	CP-OFDM	1.5	23.5	22.69	1	1	Right Cheek	0	110	0.189	1.205	0.204	0.362	0.226		30.4		
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.01	1	26	Right Tilt	0	110	0.117	1.256	0.147	0.185	0.119		33.3		
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	23.94	25	14	Right Tilt	0	110	0.109	1.276	0.140	0.177	0.111		33.5		
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.05	793.00	158600	DFT-s-OFDM	0.0	25.0	24.01	1	26	Left Cheek	0	110	0.146	1.256	0.143	0.231	0.144		32.3	30.4	
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.05	793.00	158600	DFT-s-OFDM	0.0	25.0	23.94	25	14	Left Cheek	0	110	0.144	1.276	0.154	0.231	0.144		32.3		
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.06	793.00	158600	DFT-s-OFDM	0.0	25.0	24.01	1	26	Left Tilt	0	110	0.088	1.256	0.124	0.157	0.088		34.8		
Head	NR Band n14	10	QPSK	A	1153M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	23.94	25	14	Left Tilt	0	110	0.086	1.276	0.122	0.154	0.086		34.1		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Head									
Spatial Peak																		1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population																		averaged over 1 gram									

Table 12-98 Ant E Head | Plot A43

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DUT [dB]	Frequency [MHz]	Channel #	Waveform	MPE1 [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]	Exposure Ratio [1g SAR]	Plot #	Plot1 [dBm]	Overall Plot1 [dBm]	EPS Plot1 [dBm]
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.03	793.00	158600	DFT-s-OFDM	0.0	21.5	21.41	1	50	Right Cheek	0	0.449	1.021	0.458	0.582	0.304		35.8		
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.04	793.00	158600	DFT-s-OFDM	0.0	21.5	21.42	25	0	Right Cheek	0	0.504	1.019	0.514	0.632	0.408	Plot	35.3		
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.03	793.00	158600	CP-OFDM	0.0	21.5	21.39	1	1	Right Cheek	0	0.462	1.040	0.470	0.597	0.373		35.7		
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.39	793.00	158600	DFT-s-OFDM	0.0	21.5	21.41	1	50	Right Tilt	0	0.513	1.021	0.516	0.708	0.324		40.1		
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	21.5	21.42	25	0	Right Tilt	0	0.509	1.019	0.512	0.719	0.337		40.1	35.3	
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.04	793.00	158600	DFT-s-OFDM	0.0	21.5	21.41	1	50	Left Cheek	0	0.585	1.021	0.589	0.740	0.350		39.7		
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.07	793.00	158600	DFT-s-OFDM	0.0	21.5	21.42	25	0	Left Cheek	0	0.504	1.019	0.508	0.664	0.315		39.2		
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.37	793.00	158600	DFT-s-OFDM	0.0	21.5	21.41	1	50	Left Tilt	0	0.579	1.021	0.581	0.801	0.304		43.4		
Head	NR Band n14	10	QPSK	E	0809M	1:1	-0.03	793.00	158600	DFT-s-OFDM	0.0	21.5	21.42	25	0	Left Tilt	0	0.585	1.019	0.587	0.719	0.309		43.0		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
																			Head							
																			1.6 W/kg (mW/g)							
																			averaged over 1 gram							

Table 12-99 Ant A Open Body | Plot A44

exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DUT [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]	Exposure Ratio [1g SAR]	Plot #	Plot1 [dBm]	Overall Plot1 [dBm]	EPS Plot1 [dBm]
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	23.5	22.62	1	1	Bottom	5	110	0.793	1.225	0.886	1.125	0.703		24.0		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	23.5	22.65	25	0	Bottom	5	110	0.792	1.216	0.880	1.130	0.706		24.0		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	23.10	50	0	Bottom	5	110	0.793	1.250	0.881	1.130	0.706		24.0		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	23.5	22.62	1	1	Right	5	111	0.521	1.225	0.638	0.811	0.507		25.4		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	23.5	22.65	25	0	Right	5	111	0.516	1.216	0.631	0.802	0.501		25.4		
Body-worn/Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.07	793.00	158600	DFT-s-OFDM	0.0	23.5	22.62	1	1	Back	5	110	0.960	1.225	1.176	1.494	0.834		22.7		
Body-worn/Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	23.5	23.10	25	0	Back	5	110	0.960	1.216	1.179	1.490	0.831		22.8		
Body-worn/Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	23.5	22.53	50	0	Back	5	110	0.950	1.250	1.188	1.508	0.943		22.7		
Body-worn/Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	CP-OFDM	0.0	23.5	22.67	1	1	Back	5	110	0.879	1.211	1.186	1.506	0.941	Plot	22.7		
Body-worn/Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	23.5	22.62	1	1	Front	5	110	0.624	1.225	0.764	0.971	0.607		24.6		
Body-worn/Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	23.5	22.65	25	0	Front	5	110	0.623	1.216	0.718	0.962	0.601		24.7		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Body									
Spatial Peak																		1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population																		averaged over 1 gram									

Table 12-100 Ant A Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DUT [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]	Exposure Ratio [1g SAR]	Plot #	Plot1 [dBm]	Overall Plot1 [dBm]	EPS Plot1 [dBm]
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	23.10	1	26	Bottom	5	110	0.890	1.380	0.518	0.684	0.428		38.1		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.92	25	14	Bottom	5	110	0.889	1.439	0.518	0.709	0.443		38.0		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.92	25	14	Right	5	110	0.889	1.439	0.518	0.709	0.443		38.0		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.92	25	14	Right	5	104	0.117	0.849	0.168	0.224	0.134		41.2		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.92	25	14	Right	5	110	0.889	1.439	0.518	0.709	0.443		38.0		
Body	NR Band n14	10	QPSK	A	1157M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.92	25	14	Right	5	110	0.889	1.439	0.518	0.709	0.443		38.0		
Body	NR Band n14	10	QPSK	A	1157M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.92	25	14	Right	5	110	0.889	1.439	0.518	0.709	0.443		38.0		
Body	NR Band n14	10	QPSK	A	1157M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.72	50	0	Back	5	110	0.560	1.343	0.712	0.955	0.597		36.2		
Body	NR Band n14	10	QPSK	A	1157M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.72	50	0	Back	5	110	0.560	1.343	0.712	0.955	0.597		36.2		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.72	50	0	Back	5	41	0.225	0.880	0.311	0.384	0.246		40.3		
Body	NR Band n14	10	QPSK	A	1159M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	24.5	22.92	25	14	Right	5	41	1.177	1.439	0.327	0.405	0.259		40.3		
ANSI/IEEE C95.1-2019 - SAFETY LIMIT																				Body							
Uncontrolled Exposure/General Population																				averaged over 1 gram							
Spatial Peak																				1.2 W/kg (mW/g)							

Table 12-101 Ant E Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [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]	Exposure Ratio (1g SAR)	Plot #	Plotth [dBm]	Overall Plotth [dBm]	EPS Plotth [dBm]
Body	NR Band n14	10	QPSK	E	1153M	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Top	5	0.003	1.023	0.024	0.030	0.039		38.7		
Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.10	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Top	5	0.008	1.023	0.029	0.036	0.023		37.9		
Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.10	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Left	5	0.403	1.023	0.412	0.524	0.328		26.3		
Body	NR Band n14	10	QPSK	E	1153M	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Back	5	0.405	1.023	0.405	0.501	0.309		25.1		
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.02	793.00	158600	CP-OFDM	0.0	22.5	22.40	1	1	Left	5	0.489	1.042	0.510	0.647	0.484		25.4		21.5
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Back	5	0.201	1.023	0.236	0.300	0.188		28.7		
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Back	5	0.278	1.023	0.284	0.361	0.226		27.0		
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Front	5	0.203	1.023	0.258	0.327	0.204		28.3		
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.09	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Front	5	0.302	1.023	0.309	0.392	0.246		27.5		
ANSI/IEEE C63.1982 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-102 Ant E Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [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]	Exposure Ratio (1g SAR)	Plot #	Plotth [dBm]	Overall Plotth [dBm]	EPS Plotth [dBm]
Body	NR Band n14	10	QPSK	E	1153M	1:1	0.03	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Top	5	0.001	1.023	0.011	0.014	0.009		52.9		
Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Top	5	0.003	1.023	0.013	0.017	0.011		52.2		
Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.08	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Bottom	5	0.009	1.023	0.018	0.023	0.014		50.1		
Body	NR Band n14	10	QPSK	E	1153M	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Bottom	5	0.002	1.023	0.023	0.029	0.018		49.9		
Body	NR Band n14	10	QPSK	E	1153M	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Left	5	0.009	1.023	0.021	0.026	0.019		49.9		
Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Left	5	0.233	1.023	0.231	0.303	0.189		39.6		21.5
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.00	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Back	5	0.072	1.023	0.074	0.094	0.059		44.7		
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Back	5	0.069	1.023	0.087	0.109	0.071		44.1		
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	1	50	Front	5	0.218	1.023	0.223	0.283	0.177		39.9		
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.03	793.00	158600	DFT-s-OFDM	0.0	22.5	22.40	25	0	Front	5	0.224	1.023	0.260	0.330	0.206		39.3		
Body worn/Body	NR Band n14	10	QPSK	E	1153M	1:1	-0.01	793.00	158600	CP-OFDM	0.0	22.5	22.32	1	1	Front	5	0.271	1.042	0.282	0.359	0.224		38.1		
ANSI/IEEE C63.1982 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.20 NR Band n26 Standalone SAR

Table 12-103 Ant A Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [dB]	Frequency [MHz]	Channel #	Waveform	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Time slots	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plotth [dBm]	Overall Plotth [dBm]	EPS Plotth [dBm]		
Head	NR Band n26	20	QPSK	A	1153M	1:1	0.03	831.50	166300	DFT-s-OFDM	0.0	24.5	23.84	1	104	Right Cheek	0	88	0.202	1.164	0.235	0.332	0.208		30.7				
Head	NR Band n26	20	QPSK	A	1153M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	24.5	23.72	50	28	Right Cheek	0	88	0.190	1.097	0.220	0.324	0.203		29.8				
Head	NR Band n26	20	QPSK	A	1153M	1:1	-0.12	831.50	166300	CP-OFDM	1.5	23.0	23.23	1	1	Right Cheek	0	88	0.340	1.169	0.364	0.527	0.204		30.8				
Head	NR Band n26	20	QPSK	A	1153M	1:1	-0.06	831.50	166300	DFT-s-OFDM	0.0	24.5	23.84	1	104	Right Thr	0	86	0.096	1.164	0.085	0.082	0.058		36.1				
Head	NR Band n26	20	QPSK	A	1153M	1:1	-0.12	831.50	166300	DFT-s-OFDM	0.0	24.5	23.72	50	28	Right Thr	0	86	0.083	1.197	0.073	0.103	0.064		35.8	30.7	26.0		
Head	NR Band n26	20	QPSK	A	1153M	1:1	-0.00	831.50	166300	DFT-s-OFDM	0.0	24.5	23.84	1	104	Left Cheek	0	86	0.099	1.164	0.115	0.169	0.103		33.8				
Head	NR Band n26	20	QPSK	A	1153M	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	24.5	23.72	50	28	Left Cheek	0	86	0.127	1.197	0.132	0.215	0.134		32.6				
Head	NR Band n26	20	QPSK	A	1153M	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	24.5	23.84	1	104	Left Thr	0	86	0.098	1.164	0.088	0.095	0.099		36.2				
Head	NR Band n26	20	QPSK	A	1153M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	24.5	23.72	50	28	Left Thr	0	86	0.078	1.197	0.093	0.132	0.083		34.7				
ANSI/IEEE C63.1982 - SAFETY LIMIT																				Head									
Uncontrolled Exposure/General Population																				Spatial Peak					1.6 W/kg (mW/g)				
																				averaged over 1 gram									

Table 12-104 Ant E Head | Plot A45

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [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]	Exposure Ratio (1g SAR)	Plot #	Plotth [dBm]	Overall Plotth [dBm]	EPS Plotth [dBm]
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.04	831.50	166300	DFT-s-OFDM	0.0	22.5	21.63	1	53	Right Cheek	0	8604	1.222	0.738	0.937	0.586		23.8		
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	22.5	21.72	50	56	Right Cheek	0	8500	1.197	0.706	0.897	0.561		24.0		
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.00	831.50	166300	CP-OFDM	0.0	22.5	21.47	1	1	Right Cheek	0	8605	1.266	0.767	0.974	0.609		24.6		
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	22.5	21.63	1	53	Right Thr	0	8587	1.222	0.729	0.930	0.581		28.0		
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.12	831.50	166300	DFT-s-OFDM	0.0	22.5	21.72	50	56	Right Thr	0	8504	1.197	0.720	0.920	0.575		29.0		21.5
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	22.5	21.63	1	53	Left Cheek	0	8589	1.266	0.768	0.970	0.603		24.6		
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.08	831.50	166300	DFT-s-OFDM	0.0	22.5	21.72	50	56	Left Cheek	0	8507	1.197	0.736	0.927	0.567		27.2		
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.13	831.50	166300	DFT-s-OFDM	0.0	22.5	21.63	1	53	Left Thr	0	8501	1.222	0.712	0.913	0.561		31.0		
Head	NR Band n26	20	QPSK	E	1153M	1:1	0.14	831.50	166300	DFT-s-OFDM	0.0	22.5	21.72	50	56	Left Thr	0	8498	1.266	0.765	0.970	0.604		32.2		
ANSI/IEEE C63.1982 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-105 Ant A Open Body | Plot A46

sure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dfth [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]	Exposure Ratio (1g SAR)	Plot #	Plotth [dBm]	Overall Plotth [dBm]	EPS Plotth [dBm]	
Body	NR Band n26	20	QPSK	A	1153M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	22.0	20.77	1	1	Bottom	5	119	0.661	1.327	0.877	1.114	0.696		22.5		
Body	NR Band n26	20	QPSK	A	1153M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	22.0	20.89	50	56	Bottom	5	119	0.405	1.291	0.794	1.008	0.630		23.0		
Body	NR Band n26	20	QPSK	A	1153M	1:1	-0.05	831.50	166300	DFT-s-OFDM	0.0	22.0	20.76	500	0	Bottom	5	119	0.642	1.330	0.854	1.084	0.678		22.6		
Body	NR Band n26	20	QPSK	A	1153M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	22.0	20.77	1	1	Right	5	51	0.494		1.327	0.576	0.731	0.457		24.3	
Body-worn/Body	NR Band n26	20	QPSK	A	1153M	1:1	0.05	831.50	166300	DFT-s-OFDM	0.0	22.0	20.89	56	56	Right	5	51	0.429	1.291	0.554	0.703	0.439		24.5		
Body-worn/Body	NR Band n26	20	QPSK	A	1153M	1:1	-0.05	831.50	166300	DFT-s-OFDM	0.0	22.0	20.77	1	1	Back	5	86	0.802	1.327	1.170	1.486	0.929		21.3	21.2	21.0
Body-worn/Body	NR Band n26	20	QPSK	A	1153M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	22.0	20.76	500	0	Back	5	161	0.568	1.291	0.794	1.008	0.630		23.0		
Body-worn/Body	NR Band n26	20	QPSK	A	1153M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	22.0	20.76	100	0	Back	5	86	0.880	1.330	1.194	1.517	0.948		21.2		
Body-worn/Body	NR Band n26	20	QPSK	A	1153M	1:1	0.06	831.50	166300	CP-OFDM	0.0	22.0	20.85	1	1	Back	5	86	0.908	1.303	1.183	1.505	0.939	Plot	21.2		
Body-worn/Body	NR Band n26	20	QPSK	A	1153M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	22.0	20.77	1	1	Front	5	84	0.551	1.327	0.731	0.929	0.581		23.3		
Body-worn/Body	NR Band n26	20	QPSK	A	1153M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	22.0	20.89	50	56	Front	5	84	0.533	1.291	0.688	0.874	0.546		23.6		
ANSI/CIS 153.1-1992 - SAFETY LIMIT																											
Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram															



Table 12-107 Ant E Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dcft [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]	Exposure Ratio (1g SAR)	Plot #	Plot# [dBm]	Overall Plot# [dBm]	EPS Plot# [dBm]
Body	NR Band n26	20	CPSS	E	0662M	1:1	-0.03	831.50	166300	DFT-s-OFDM	0.0	23.5	22.86	1	104	Top	5	0.0503	1.213	0.064	0.062	0.051		46.8		
Body	NR Band n26	20	CPSS	E	0662M	1:1	-0.06	831.50	166300	DFT-s-OFDM	0.0	23.5	22.71	50	56	Top	5	0.0503	1.199	0.064	0.061	0.051		46.4		
Body	NR Band n26	20	CPSS	E	0373M	1:1	0.04	831.50	166300	DFT-s-OFDM	0.0	23.5	22.86	1	104	Left	5	0.4407	1.213	0.354	0.704	0.440		37.0		
Body	NR Band n26	20	CPSS	E	0373M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	23.5	22.71	50	56	Left	5	0.4444	1.199	0.332	0.676	0.423		37.2		
Body	NR Band n26	20	CPSS	E	0373M	1:1	-0.04	831.50	166300	DFT-s-OFDM	0.0	23.5	22.45	1	1	Front	5	0.320	1.214	0.058	0.324	0.324		39.2		
Body worn/Body	NR Band n26	20	CPSS	E	0369M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	23.5	22.66	1	104	Back	5	0.306	1.213	0.323	0.410	0.306		39.3		
Body worn/Body	NR Band n26	20	CPSS	E	0369M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	23.5	22.71	50	56	Back	5	0.254	1.199	0.305	0.387	0.242		39.6		
Body worn/Body	NR Band n26	20	CPSS	E	0369M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	23.5	22.46	1	104	Front	5	0.276	1.212	0.358	0.420	0.269		39.1		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
Body																										
1.6 W/kg (mW/g)																										
averaged over 1 gram																										

Table 12-108 Ant E Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dcft [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]	Exposure Ratio (1g SAR)	Plot #	Plot# [dBm]	Overall Plot# [dBm]	EPS Plot# [dBm]
Body	NR Band n25	20	GPSS	E	1153M	1:1	-0.11	831.50	166300	DFT-s-OFDM	0.0	24.0	23.27	1	104	Top	5	0.051	1.183	0.037	0.047	0.029		38.3		
Body	NR Band n25	20	GPSS	E	1153M	1:1	0.09	831.50	166300	DFT-s-OFDM	0.0	24.0	23.24	50	56	Top	5	0.050	1.191	0.024	0.030	0.019		40.2		
Body	NR Band n25	20	GPSS	E	1153M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	24.0	23.27	1	104	Bottom	5	0.028	1.183	0.045	0.027	0.026		37.4		
Body	NR Band n25	20	GPSS	E	1153M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	24.0	23.24	50	56	Bottom	5	0.028	1.191	0.033	0.042	0.026		38.7		
Body	NR Band n25	20	GPSS	E	1153M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	24.0	23.27	1	104	Left	5	0.468	1.183	0.354	0.703	0.439		26.5		
Body	NR Band n25	20	GPSS	E	1153M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	24.0	23.24	50	56	Left	5	0.469	1.191	0.332	0.709	0.440		26.3		
Body worn/Body	NR Band n25	20	GPSS	E	1153M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	24.0	23.27	1	104	Back	5	0.345	1.183	0.323	0.410	0.306		31.0	26.2	
Body worn/Body	NR Band n25	20	GPSS	E	1153M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	24.0	23.24	50	56	Back	5	0.246	1.191	0.314	0.372	0.238		31.5	23.0	
Body worn/Body	NR Band n25	20	GPSS	E	1153M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	24.0	23.27	1	104	Front	5	0.266	1.183	0.309	0.366	0.243		26.3		
Body worn/Body	NR Band n25	20	GPSS	E	1153M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	24.0	23.24	50	56	Front	5	0.261	1.191	0.307	0.358	0.243		26.2		
Body worn/Body	NR Band n25	20	GPSS	E	1153M	1:1	-0.02	831.50	166300	CP-OFDM	0.0	24.0	23.04	1	1	Front	5	0.402	1.212	0.364	0.716	0.448		26.4		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
Body																										
1.6 W/kg (mW/g)																										
averaged over 1 gram																										

12.21 NR Band n70 Standalone SAR

Table 12-109 Ant B Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dcft [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]	Exposure Ratio (1g SAR)	Plot #	Plot# [dBm]	Overall Plot# [dBm]	EPS Plot# [dBm]
Head	NR Band n70	15	CPSS	B	1153M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	25.0	24.01	1	1	Right Cheek	0	0.016	1.256	0.020	0.025	0.016		41.8		
Head	NR Band n70	15	CPSS	B	1153M	1:1	0.03	1702.50	340500	DFT-s-OFDM	0.0	25.0	23.99	36	22	Right Cheek	0	0.020	1.262	0.028	0.033	0.022		40.2		
Head	NR Band n70	15	CPSS	B	1153M	1:1	0.07	1702.50	340500	DFT-s-OFDM	0.0	25.0	24.01	1	1	Right TIR	0	0.024	1.256	0.030	0.038	0.024		40.2		
Head	NR Band n70	15	CPSS	B	1153M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	25.0	23.99	36	22	Right TIR	0	0.024	1.262	0.030	0.038	0.024		40.2		
Head	NR Band n70	15	CPSS	B	1153M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	25.0	24.01	1	1	Left Cheek	0	0.026	1.256	0.060	0.076	0.060		37.1		
Head	NR Band n70	15	CPSS	B	1153M	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	25.0	23.99	36	22	Left Cheek	0	0.048	1.262	0.061	0.076	0.048		37.1		
Head	NR Band n70	15	CPSS	B	1153M	1:1	-0.06	1702.50	340500	CP-OFDM	1.5	23.5	22.65	1	1	Left Cheek	0	0.032	1.216	0.039	0.069	0.043		37.0		
Head	NR Band n70	15	CPSS	B	1153M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	25.0	24.01	1	1	Left TIR	0	0.021	1.256	0.058	0.033	0.021		40.7		
Head	NR Band n70	15	CPSS	B	1153M	1:1	0.10	1702.50	340500	DFT-s-OFDM	0.0	25.0	23.99	36	22	Left TIR	0	0.021	1.262	0.027	0.033	0.021		40.7		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
																		Head								
																		1.6 W/kg (mW/g)								
																		averaged over 1 gram								

Table 12-110 Ant H Head | Plot A47

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dcft [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]	Exposure Ratio (1g SAR)	Plot #	Plot [dBm]	Overall Plot [dBm]	EPS Plot [dBm]
Head	NR Band n70	15	CPSS	H	1153M	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	19.5	18.83	1	1	Right Cheek	0	0.020	1.167	0.120	0.133	0.096		39.6		
Head	NR Band n70	15	CPSS	H	1153M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	19.5	18.71	36	0	Right Cheek	0	0.018	1.154	0.124	0.118	0.084		39.1		
Head	NR Band n70	15	CPSS	H	1153M	1:1	0.13	1702.50	340500	DFT-s-OFDM	0.0	19.5	18.83	1	1	Right TB	0	0.071	1.187	0.083	0.103	0.068		41.2		
Head	NR Band n70	15	CPSS	H	1153M	1:1	0.13	1702.50	340500	DFT-s-OFDM	0.0	19.5	18.73	36	0	Right TB	0	0.070	1.154	0.084	0.106	0.066		41.2		
Head	NR Band n70	15	CPSS	H	1153M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	19.5	18.83	1	1	Left Cheek	0	0.018	1.167	0.083	0.147	0.075		39.1	32.3	18.5
Head	NR Band n70	15	CPSS	H	1153M	1:0.01	0.001	1702.50	340500	DFT-s-OFDM	0.0	19.5	18.73	36	0	Left Cheek	0	0.022	1.194	0.023	0.792	0.485	Plot	32.3		
Head	NR Band n70	15	CPSS	H	1153M	1:1	0.009	1702.50	340500	CP-OFDM	0.0	19.5	18.77	1	1	Left Cheek	0	0.006	1.163	0.087	0.743	0.466		32.7		
Head	NR Band n70	15	CPSS	H	1153M	1:1	0.009	1702.50	340500	CP-OFDM	0.0	19.5	18.77	1	1	Left Cheek	0	0.006	1.167	0.087	0.743	0.466		32.7		
Head	NR Band n70	15	CPSS	H	1153M	1:1	0.06	1702.50	340500	DFT-s-OFDM	0.0	19.5	18.73	36	0	Left TB	0	0.036	1.194	0.365	0.462	0.280		34.8		
ANSI/IEEE C63.1.1992 - SAFETY LIMIT																		Head								
Spatial Peak																		1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																		averaged over 1 gram								



Table 12-113 Ant H Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n70	15	QPSK	H	1151M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.79	1	1	Top	5	0.332	1.178	0.273	0.347	0.317		38.1		
Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.78	36	0	Top	5	0.343	1.180	0.287	0.364	0.228		37.8		
Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.08	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.79	1	1	Right	5	0.345	1.178	0.242	0.415	0.509		34.3		
Body	NR Band n70	15	QPSK	H	1151M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.78	36	0	Right	5	0.366	1.180	0.668	0.460	0.530		34.2		
Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.03	1702.50	340500	CP-OFDM	0.0	21.5	20.81	1	1	Right	5	0.528	1.172	0.619	0.786	0.491		34.5		
Body-worn/Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.04	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.79	1	1	Back	5	0.351	1.178	0.413	0.525	0.328		36.3		
Body-worn/Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.78	36	0	Back	5	0.370	1.180	0.437	0.554	0.346		36.0		
Body-worn/Body	NR Band n70	15	QPSK	H	1151M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.79	1	1	Front	5	0.323	1.178	0.155	0.197	0.123		40.5		
Body-worn/Body	NR Band n70	15	QPSK	H	1151M	1:1	0.16	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.78	36	0	Front	5	0.133	1.180	0.157	0.199	0.124		40.5		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-114 Ant H Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	Waveform	MPRR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n70	15	QPSK	H	1151M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.79	1	1	Bottom	5	0.149	1.178	0.176	0.223	0.139		40.0		
Body	NR Band n70	15	QPSK	H	1151M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.78	36	0	Bottom	5	0.157	1.180	0.185	0.235	0.147		39.7		
Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.00	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.79	1	1	Right	5	0.476	1.178	0.161	0.712	0.445		34.5		
Body	NR Band n70	15	QPSK	H	1151M	1:1	0.06	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.78	36	0	Right	5	0.483	1.180	0.570	0.724	0.453		34.9		
Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.01	1702.50	340500	CP-OFDM	0.0	21.5	20.81	1	1	Right	5	0.568	1.272	0.668	0.744	0.468		34.7		20.5
Body worn/Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.79	1	1	Back	5	0.358	1.178	0.408	0.507	0.354		44.1		
Body worn/Body	NR Band n70	15	QPSK	H	1151M	1:1	0.11	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.78	36	0	Back	5	0.359	1.180	0.070	0.588	0.555		40.0		
Body worn/Body	NR Band n70	15	QPSK	H	1151M	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.79	1	1	Front	5	0.264	1.178	0.111	0.395	0.247		37.5		
Body worn/Body	NR Band n70	15	QPSK	H	1151M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	21.5	20.78	36	0	Front	5	0.277	1.180	0.320	0.406	0.234		37.4		
ANSI/IEEE C63.1 1997 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.22 NR Band n66 Standalone SAR

Table 12-115 Ant B Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	NR Band n66	45	CPSK	B	0871M	1:1	0.06	1745.00	340500	DFT-s-OFDM	0.0	25.0	23.67	1	240	Right Cheek	0	0.957	1.538	0.132	0.166	0.104		44.7		
Head	NR Band n66	45	CPSK	B	0871M	1:1	0.01	1745.00	340500	DFT-s-OFDM	0.0	25.0	23.18	120	61	Right Cheek	0	0.105	1.521	0.160	0.201	0.126		43.9		
Head	NR Band n66	45	CPSK	B	0871M	1:1	-0.05	1745.00	340500	CP-OFDM	0.5	23.5	21.73	1	240	Right Cheek	0	0.974	1.532	0.111	0.198	0.124		44.0		
Head	NR Band n66	45	CPSK	B	0871M	1:1	-0.13	1745.00	340500	DFT-s-OFDM	0.0	25.0	23.67	1	240	Right TB	0	0.958	1.538	0.079	0.999	0.962		47.0		
Head	NR Band n66	45	CPSK	B	0871M	1:1	-0.10	1745.00	340500	DFT-s-OFDM	0.0	25.0	23.18	120	61	Right TB	0	0.905	1.521	0.099	0.124	0.078		46.0		
Head	NR Band n66	45	CPSK	B	0871M	1:1	0.08	1745.00	340500	DFT-s-OFDM	0.0	25.0	23.67	1	240	Left Cheek	0	0.958	1.538	0.122	0.114	0.096		45.0		
Head	NR Band n66	45	CPSK	B	0871M	1:1	-0.01	1745.00	340500	DFT-s-OFDM	0.0	25.0	23.18	120	61	Left Cheek	0	0.984	1.521	0.128	0.161	0.101		44.5		
Head	NR Band n66	45	CPSK	B	0871M	1:1	-0.03	1745.00	340500	DFT-s-OFDM	0.0	25.0	23.67	1	240	Left TB	0	0.977	1.538	0.105	0.132	0.083		45.7		
Head	NR Band n66	45	CPSK	B	0871M	1:1	0.00	1745.00	340500	DFT-s-OFDM	0.0	25.0	23.18	120	61	Left TB	0	0.957	1.521	0.087	0.109	0.068		46.5		
ANSI/IEEE C63.1 1997 - SAFETY LIMIT																		Head								
Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g)								
																		averaged over 1 gram								

Table 12-116 Ant H Head | Plot A50

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	NR Band n66	45	CPSK	H	1151M	1:1	0.07	1745.00	340500	DFT-s-OFDM	0.0	20.0	19.92	1	240	Right Cheek	0	0.133	1.253	0.167	0.212	0.133		38.7		
Head	NR Band n66	45	CPSK	H	1151M	1:1	0.02	1745.00	340500	DFT-s-OFDM	0.0	20.0	19.77	120	122	Right Cheek	0	0.130	1.327	0.175	0.222	0.139		38.5		
Head	NR Band n66	45	CPSK	H	1151M	1:1	0.01	1745.00	340500	DFT-s-OFDM	0.0	20.0	19.92	1	240	Right T/R	0	0.123	1.253	0.154	0.196	0.123		39.0		
Head	NR Band n66	45	CPSK	H	1151M	1:1	-0.01	1745.00	340500	DFT-s-OFDM	0.0	20.0	19.77	120	122	Right T/R	0	0.121	1.327	0.163	0.207	0.121		38.3		
Head	NR Band n66	45	CPSK	H	1151M	1:1	0.08	1745.00	340500	DFT-s-OFDM	0.0	20.0	19.92	1	240	Left Cheek	0	0.140	1.253	0.126	0.168	0.418		33.7		
Head	NR Band n66	45	CPSK	H	1151M	1:1	0.02	1745.00	340500	DFT-s-OFDM	0.0	20.0	19.77	120	122	Left Cheek	0	0.136	1.327	0.499	0.634	0.396		33.0		
Head	NR Band n66	45	CPSK	H	1151M	1:1	-0.01	1745.00	340500	CP-OFDM	0.0	20.0	19.46	1	1	Left Cheek	0	0.468	1.380	0.623	0.803	0.502	Plot	32.7		
Head	NR Band n66	45	CPSK	H	1151M	1:1	0.03	1745.00	340500	DFT-s-OFDM	0.0	20.0	19.92	1	240	Left T/R	0	0.150	1.253	0.376	0.477	0.250		35.2		
Head	NR Band n66	45	CPSK	H	1151M	1:1	0.07	1745.00	340500	DFT-s-OFDM	0.0	20.0	19.77	120	122	Left T/R	0	0.159	1.327	0.423	0.538	0.356		34.7		
ANSI/IEEE C63.1 1997 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-117 Ant B Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dft [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n66	45	QPSK	B	1151M	1:1	-0.05	1745.00	340500	DFT-s-OFDM	0.0	19.5	18.69	1	240	Bottom	5	0.465	1.205	0.488	0.620	0.388		33.5		
Body	NR Band n66	45	QPSK	B	1151M	1:1	-0.02	1745.00	340500	DFT-s-OFDM	0.0	19.5	18.54	120	122	Bottom	5	0.477	1.247	0.464	0.580	0.349		33.8		
Body	NR Band n66	45	QPSK	B	1151M	1:1	-0.07	1745.00	340500	DFT-s-OFDM	0.0	19.5	18.69	1	240	Left	5	0.506	1.205	0.128	0.162	0.101		39.4		
Body	NR Band n66	45	QPSK	B	1151M	1:1	-0.02	1745.00	340500	DFT-s-OFDM	0.0	19.5	18.54	120	122	Left	5	0.508	1.247	0.122	0.155	0.097		39.5		
Body worn/Body	NR Band n66	45	QPSK	B	1151M	1:1	-0.04	1745.00	340500	DFT-s-OFDM	0.0	19.5	18.69	1	240	Back	5	0.485	1.205	0.489	0.621	0.388		33.5		18.5
Body worn/Body	NR Band n66	45	QPSK	B	1151M	1:1	0.03	1745.00	340500	DFT-s-OFDM	0.0	19.5	18.54	120	122	Back	5	0.504	1.247	0.479	0.608	0.380		33.0		18.5
Body worn/Body	NR Band n66	45	QPSK	B	1151M	1:1	-0.05	1745.00	340500	CP-OFDM	0.0	19.5	18.54	1	1	Back	5	0.518	1.300	0.411	0.522	0.326		34.7		
Body worn/Body	NR Band n66	45	QPSK	B	1151M	1:1	-0.08	1743.00	340500	DFT-s-OFDM	0.0	19.5	18.69	1	240	Front	5	0.247	1.205	0.298	0.378	0.236		35.7		
Body worn/Body	NR Band n66	45	QPSK	B	1151M	1:1	-0.07	1743.00	340500	DFT-s-OFDM	0.0	19.5	18.54	120	122	Front	5	0.251	1.247	0.271	0.344	0.215		36.1		
AMR/REC C61.1.1992 - SAFETY LIMIT																		Body								
Uncontrolled Exposure/General Population																		1.6 W/kg (avg/1g)								
																		averaged over 1 gram								

Table 12-119 Ant H Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfT [dB]	Frequency [MHz]	Channel #	Waveform	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RIS Size	RIS Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (tg SAR)	Pilot #	Film# [inches]	Overall Film# [inches]	EFS Film# [inches]
Body	NR Band n6e	45	QPSK	H	11535M	1:1	-0.04	1745.00	34900D	DFT-F-CPDMA	0.0	22.0	20.98	1	240	Top	5	0.279	1.265	0.352	0.447	0.273		37.5		
Body	NR Band n6e	45	QPSK	H	11535M	1:1	0.00	1745.00	34900D	DFT-F-CPDMA	0.0	22.0	20.73	120	122	Top	5	0.194	1.340	0.381	0.483	0.302	37.1			
Body	NR Band n6e	45	QPSK	H	11535M	1:1	-0.18	1745.00	34900D	DFT-F-CPDMA	0.0	22.0	20.98	1	240	Right	5	0.590	1.265	0.476	0.548	0.593	34.2			
Body	NR Band n6e	45	QPSK	H	11535M	1:1	-0.06	1745.00	34900D	DFT-F-CPDMA	0.0	22.0	20.73	120	122	Right	5	0.375	1.340	0.376	0.395	0.360	34.0			
Body	NR Band n6e	45	QPSK	H	11535M	1:1	0.02	1745.00	34900D	CFO-CFDMA	0.0	22.0	20.71	240	0	Right	5	0.661	1.346	0.900	1.130	0.705	33.4			
Body	NR Band n6e	45	QPSK	H	11535M	1:1	0.04	1745.00	34900D	CFO-CFDMA	0.0	22.0	20.64	1	1	Right	5	0.668	1.368	0.914	1.161	0.726	33.3			
Body-worn/body	NR Band n6e	45	QPSK	H	11535M	1:1	0.04	1745.00	34900D	DFT-F-CPDMA	0.0	22.0	20.98	1	240	Back	5	0.400	1.265	0.506	0.643	0.402	35.0			
Body-worn/body	NR Band n6e	45	QPSK	H	11535M	1:1	-0.04	1745.00	34900D	DFT-F-CPDMA	0.0	22.0	20.73	120	122	Front	5	0.475	1.340	0.566	0.706	0.441	35.3			
Body-worn/body	NR Band n6e	45	QPSK	H	11535M	1:1	0.07	1745.00	34900D	DFT-F-CPDMA	0.0	22.0	20.98	1	240	Back	5	0.327	1.265	0.414	0.525	0.239	36.8			
Body-worn/body	NR Band n6e	45	QPSK	H	11535M	1:1	-0.01	1745.00	34900D	DFT-F-CPDMA	0.0	22.0	20.73	120	122	Front	5	0.363	1.340	0.486	0.618	0.386	36.1			
UNDOABLE CELL PHONE SAFETY LIMIT Spatial Peak																								Body		
Uncontrolled Exposure/General Population																				1.6 W/kg (w/gram) averaged over 1 gram						

Table 12-120 Ant H Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dflr [dB]	Frequency [MHz]	Channel #	Waveform	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RIS Size	RIS Offset	Test Position	Spacing [mm]	Measured EIRP [dBm]	Power Scaling Factor	Reported Iq SAR [W/kg]	Adjusted Iq SAR [W/kg]	Exposure Rate (Iq SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	FS Plimit [dBm]
Body	NR Band n66	45	QPSK	H	115156	1:1	-0.04	1745.00	349000	DFT-s-OFDM	0.0	22.5	21.84	1	240	Bottom	5	0.235	1.164	0.274	0.847	0.217		28.1		
Body	NR Band n66	45	QPSK	H	115156	1:1	0.04	1745.00	349000	DFT-s-OFDM	0.0	22.5	21.58	120	120	Bottom	5	0.242	1.236	0.299	0.830	0.238		28.7		
Body	NR Band n66	45	QPSK	H	115156	1:1	0.00	1745.00	349000	DFT-s-OFDM	0.0	22.5	21.84	1	240	Right	5	0.236	1.164	0.884	0.809	0.143		24.1		
Body	NR Band n66	45	QPSK	H	115156	1:1	-0.09	1745.00	349000	CP-OFDM	0.0	22.5	21.58	120	120	Left	5	0.015	0.339	0.300	0.003	0.238		23.8		
Body	NR Band n66	45	QPSK	H	115156	1:1	-0.03	1745.00	349000	CP-OFDM	0.0	22.5	21.46	1	1	Right	5	0.086	1.271	0.046	0.075	0.672		23.2	21.5	
Body-worn/Body	NR Band n66	45	QPSK	H	115156	1:1	0.00	1745.00	349000	DFT-s-OFDM	0.0	22.5	21.58	1	240	Back	5	0.072	1.164	0.864	0.075	0.706		23.7		
Body-worn/Body	NR Band n66	45	QPSK	H	115156	1:1	0.04	1745.00	349000	DFT-s-OFDM	0.0	22.5	21.58	120	120	Back	5	0.077	1.236	0.809	0.113	0.071		31.0		
Body-worn/Body	NR Band n66	45	QPSK	H	115156	1:1	-0.01	1745.00	349000	DFT-s-OFDM	0.0	22.5	21.84	1	240	Front	5	0.231	1.164	0.269	0.841	0.213		28.2		
Body-worn/Body	NR Band n66	45	QPSK	H	115156	1:1	0.00	1745.00	349000	DFT-s-OFDM	0.0	22.5	21.58	120	120	Front	5	0.236	1.236	0.292	0.870	0.235		31.0		
Annex B (see 3GPP TS 38.101-1, 38.101-2, 38.101-3)																			Body					1.6 W/kg over 1 g/cm		
Uncontrolled Exposure (General Population)																			Body					1.6 W/kg over 1 g/cm		

12.23 NR Band n25 Standalone SAR

Table 12-121 Ant B Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dblt [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Head	NR Band n25	40	QPSK	B	0776M	1:1	-0.11	1882.50	276500	DFT-s-OFDM	0.0	25.0	24.18	1	1	Right Cheek	0	0.080	1.208	0.097	0.122	0.076	35.1			
	NR Band n25	40	QPSK	B	0776M	1:1	0.00	1882.50	276500	DFT-s-OFDM	0.0	25.0	24.16	108	54	Right Cheek	0	0.085	1.213	0.101	0.127	0.079	34.9			
	NR Band n25	40	QPSK	B	0776M	1:1	-0.09	1882.50	276500	DFT-s-OFDM	0.0	25.0	24.18	1	1	Right Th	0	0.080	1.208	0.097	0.122	0.076	35.0			
	NR Band n25	40	QPSK	B	0776M	1:1	0.17	1882.50	276500	DFT-s-OFDM	0.0	25.0	24.16	108	54	Right Th	0	0.076	1.213	0.088	0.108	0.054	35.6			
	NR Band n25	40	QPSK	B	0776M	1:1	0.02	1882.50	276500	DFT-s-OFDM	0.0	25.0	24.18	1	1	Left Cheek	0	0.076	1.208	0.089	0.113	0.071	35.4	34.7	26.0	
	NR Band n25	40	QPSK	B	0776M	1:1	-0.09	1882.50	276500	DFT-s-OFDM	0.0	25.0	24.18	1	1	Left Cheek	0	0.076	1.213	0.089	0.113	0.081	35.7			
	NR Band n25	40	QPSK	B	1151M	1:1	0.04	1882.50	276500	CP-OFDM	1.5	23.5	22.58	1	1	Left Cheek	0	0.099	1.236	0.061	0.108	0.068	35.6			
	NR Band n25	40	QPSK	B	0776M	1:1	0.17	1882.50	276500	DFT-s-OFDM	0.0	25.0	24.18	1	1	Left Th	0	0.054	1.208	0.065	0.082	0.051	35.8			
	NR Band n25	40	QPSK	B	0776M	1:1	-0.02	1882.50	276500	DFT-s-OFDM	0.0	25.0	24.16	108	54	Left Th	0	0.080	1.213	0.101	0.127	0.079	34.9			
ANSI/CES C63.19-2:2017 - SAFETY LIMIT																			Head					1g W/kg (mW/g)		
Spatial Peak																			0.001					0.001		
Uncontrolled Exposure (General Population)																			0.001					0.001		

Table 12-122 Ant H Head | Plot A53

Exposure	Band / Mode	Bandwidth (MHz)	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB (dB)	Frequency (MHz)	Channel #	Waveform	MPK (dB)	Max Allowed Power (dBm)	Conducted Power (dBm)	RF Size	RF Offset	Test Position	Spacing (mm)	Measured 1g SAR (W/kg)	Power Scaling Factor	Reported 1g SAR (W/kg)	Adjusted 1g SAR (W/kg)	Exposure Ratio (1g SAR)	Plot #	Plimit (dBm)	Overall Plimit (dBm)	EPS Plimit (dBm)
Head	NR Band n25	40	QPSK	H	0989M	1:1	-0.03	1882.50	376500	DFT-F-CFDM	0.0	19.5	19.46	1	1	Right Cheek	0	0.192	1.271	0.110	0.165	0.103	28.3			
Head	NR Band n25	40	QPSK	H	0989M	1:1	-0.03	1882.50	376500	DFT-F-CFDM	0.0	19.5	19.46	108	0	Right Cheek	0	0.190	1.318	0.112	0.167	0.104	28.4			
Head	NR Band n25	40	QPSK	H	0989M	1:1	-0.03	1882.50	376500	DFT-F-CFDM	0.0	19.5	19.46	1	1	Right Cheek	0	0.192	1.271	0.110	0.165	0.103	28.3			
Head	NR Band n25	40	QPSK	H	0989M	1:1	-0.03	1882.50	376500	DFT-F-CFDM	0.0	19.5	19.30	108	0	Right TR	0	0.190	1.318	0.112	0.167	0.104	28.2			
Head	NR Band n25	40	QPSK	H	0989M	1:1	-0.03	1882.50	376500	DFT-F-CFDM	0.0	19.5	19.46	108	1	Left Cheek	0	0.190	1.271	0.507	0.644	0.403	22.4	22.1	18.5	
Head	NR Band n25	40	QPSK	H	0989M	1:1	-0.03	1882.50	376500	DFT-F-CFDM	0.0	19.5	19.30	108	0	Left Cheek	0	0.190	1.318	0.517	0.658	0.410	22.3			
Head	NR Band n25	40	QPSK	H	0989M	1:1	0.01	1882.50	376500	CF-CFDM	0.0	19.5	19.32	1	1	Left Cheek	0	0.416	1.312	0.546	0.693	0.433	22.1			
Head	NR Band n25	40	QPSK	H	0989M	1:1	-0.03	1882.50	376500	DFT-F-CFDM	0.0	19.5	19.46	1	1	Left TR	0	0.225	1.271	0.337	0.428	0.268	24.2			
Head	NR Band n25	40	QPSK	H	0989M	1:1	-0.03	1882.50	376500	DFT-F-CFDM	0.0	19.5	19.30	108	0	Left TR	0	0.246	1.318	0.351	0.445	0.278	24.0			
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																			Head							
Spatial Peak																			1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population																			2.0 W/kg (mW/g)							

Table 12-123 Ant B Open Body

[illegible]

Table 12-124 Ant B Closed Body | Plot A54

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Dens. [dBm]	Frequency [MHz]	Channel #	Waveform	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1 SAR [W/kg]	Power Scaling Factor	Reported 1 SAR [W/kg]	Adjusted 1 SAR [W/kg]	Exposure Rate [1/s SAR]	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n25	40	QPSK	B	111534	1.1	-0.01	1862.50	376500	DFT-f-OFDM	0.0	20.0	19.01	1	1	Bottom	5	0.180	1.256	0.226	0.287	0.175	36.4			
Body	NR Band n25	40	QPSK	B	111534	1.1	-0.01	1862.50	376500	DFT-f-OFDM	0.0	20.0	18.82	108	0	Bottom	5	0.170	1.312	0.272	0.283	0.177	26.5			
Body	NR Band n25	40	QPSK	B	111534	1.1	-0.02	1862.50	376500	DFT-f-OFDM	0.0	20.0	19.01	1	1	Left	5	0.181	1.256	0.220	0.292	0.181	26.3			
Body	NR Band n25	40	QPSK	B	111534	1.1	-0.03	1862.50	376500	DFT-f-OFDM	0.0	20.0	18.82	108	0	Left	5	0.206	1.312	0.262	0.333	0.208	25.8			
Body-worn/Body	NR Band n25	40	QPSK	B	089394	1.1	-0.01	1862.50	376500	DFT-f-OFDM	0.0	20.0	19.01	1	1	Back	5	0.080	1.256	0.080	1.001	1.386	15.6			
Body-worn/Body	NR Band n25	40	QPSK	B	089394	1.1	-0.01	1862.50	376500	DFT-f-OFDM	0.0	20.0	18.86	108	0	Back	5	0.090	1.312	1.182	1.501	0.938	Plot 12			
Body-worn/Body	NR Band n25	40	QPSK	B	089394	1.1	-0.01	1862.50	376500	DFT-f-OFDM	0.0	20.0	18.80	216	0	Back	5	0.063	1.318	1.137	1.445	0.903	19.4			
Body-worn/Body	NR Band n25	40	QPSK	B	089394	1.1	-0.01	1862.50	376500	CP-OFDM	0.0	20.0	19.01	1	1	Front	5	0.201	1.227	1.046	0.375	0.957	10.7			
Body-worn/Body	NR Band n25	40	QPSK	B	111534	1.1	-0.05	1862.50	376500	DFT-f-OFDM	0.0	20.0	19.01	1	1	Front	5	0.253	1.256	0.368	0.467	0.292	24.3			
Body-worn/Body	NR Band n25	40	QPSK	B	111534	1.1	-0.01	1862.50	376500	DFT-f-OFDM	0.0	20.0	18.82	108	0	Front	5	0.206	1.312	0.375	0.477	0.298	24.2			
ANSI/IEEE C63.1.1992 - SAFETY LIMIT																		Body						1.6 W/kg (avg/g)		
Special Peak																		Uncontrolled Exposure/General Population						averaged over 1 gram		

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RF EXPOSURE PART 1 TEST REPORT

Approved by:
Technical Manager

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DUT Type:
Portable Handset

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Table 12-125 Ant H Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1mit [dBm]	Overall P1mit [dBm]	EPS P1mit [dBm]
Body	NR Band n25	40	CPSK	H	0909M	1:1	0.04	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.28	1	108	Top	5	0.320	1.324	0.305	0.387	0.342		37.6		
Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.13	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.29	108	54	Top	5	0.322	1.321	0.333	0.423	0.264		37.2		
Body	NR Band n25	40	CPSK	H	0909M	1:1	0.09	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.26	1	108	Right	5	0.304	1.324	0.733	0.932	0.583		33.8		
Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.03	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.29	108	54	Right	5	0.280	1.321	0.765	0.973	0.608		33.6		
Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.01	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.25	216	0	Right	5	0.523	1.346	0.704	0.894	0.559		33.0		
Body	NR Band n25	40	CPSK	H	0909M	1:1	0.03	1882.50	376000	CP-OFDM	0.0	21.5	20.19	1	1	Right	5	0.800	1.352	0.811	1.030	0.644		33.3		
Body worn/Body	NR Band n25	40	CPSK	H	0909M	1:1	0.03	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.28	1	108	Back	5	0.320	1.324	0.424	0.538	0.336		36.1		
Body worn/Body	NR Band n25	40	CPSK	H	0909M	1:1	0.02	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.29	108	54	Back	5	0.302	1.321	0.405	0.501	0.309		35.7		
Body worn/Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.12	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.28	1	108	Front	5	0.251	1.324	0.332	0.422	0.264		37.2		
Body worn/Body	NR Band n25	40	CPSK	H	0909M	1:1	0.08	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.29	108	54	Front	5	0.265	1.321	0.350	0.445	0.278		37.0		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-126 Ant H Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1mit [dBm]	Overall P1mit [dBm]	EPS P1mit [dBm]
Body	NR Band n25	40	CPSK	H	0909M	1:1	0.00	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.28	1	108	Bottom	5	0.186	1.324	0.260	0.195	0.206		27.8		
Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.02	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.29	108	54	Bottom	5	0.186	1.321	0.266	0.312	0.195		27.5		
Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.06	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.28	1	108	Right	5	0.470	1.324	0.622	0.790	0.494		23.9		
Body	NR Band n25	40	CPSK	H	0909M	1:1	0.00	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.29	108	54	Right	5	0.466	1.321	0.616	0.782	0.489		23.6		
Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.01	1882.50	376000	CP-OFDM	0.0	21.5	20.28	1	1	Right	5	0.852	1.352	0.875	1.093	0.513		33.3		
Body worn/Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.13	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.28	1	108	Back	5	0.301	1.324	0.068	0.086	0.060		40.0		
Body worn/Body	NR Band n25	40	CPSK	H	0909M	1:1	0.06	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.26	108	54	Back	5	0.286	1.321	0.061	0.077	0.060		37.6		
Body worn/Body	NR Band n25	40	CPSK	H	0909M	1:1	-0.01	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.28	1	108	Front	5	0.261	1.324	0.345	0.429	0.374		36.5		
Body worn/Body	NR Band n25	40	CPSK	H	0909M	1:1	0.08	1882.50	376000	DFT-s-OFDM	0.0	21.5	20.29	108	54	Front	5	0.253	1.321	0.334	0.424	0.265		36.2		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.24 NR Band n30 Standalone SAR

Table 12-127 Ant B Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1mit [dBm]	Overall P1mit [dBm]	EPS P1mit [dBm]
Head	NR Band n30	10	CPSK	B	0662M	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	24.5	24.03	1	26	Right Cheek	0	0.031	1.114	0.059	0.083	0.052		36.7		
Head	NR Band n30	10	CPSK	B	0662M	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	24.5	23.98	25	0	Right Cheek	0	0.040	1.114	0.059	0.080	0.052		36.7		
Head	NR Band n30	10	CPSK	B	0662M	1:1	0.01	2310.00	462000	CP-OFDM	1.5	23.0	22.70	1	1	Right Cheek	0	0.031	1.072	0.033	0.066	0.041		37.7		
Head	NR Band n30	10	CPSK	B	0662M	1:1	0.06	2310.00	462000	DFT-s-OFDM	0.0	24.5	24.03	1	26	Right Tr	0	0.022	1.114	0.025	0.035	0.022		40.0		
Head	NR Band n30	10	CPSK	B	0662M	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	24.5	23.98	25	14	Right Tr	0	0.023	1.127	0.026	0.037	0.023		40.0		
Head	NR Band n30	10	CPSK	B	0662M	1:1	0.09	2310.00	462000	DFT-s-OFDM	0.0	24.5	24.03	1	26	Left Cheek	0	0.049	1.114	0.048	0.066	0.040		37.6		
Head	NR Band n30	10	CPSK	B	0662M	1:1	0.19	2310.00	462000	DFT-s-OFDM	0.0	24.5	23.98	25	14	Left Cheek	0	0.040	1.127	0.028	0.048	0.040		37.0		
Head	NR Band n30	10	CPSK	B	0662M	1:1	-0.18	2310.00	462000	DFT-s-OFDM	0.0	24.5	24.03	1	26	Left Tr	0	0.019	1.114	0.021	0.030	0.019		41.2		
Head	NR Band n30	10	CPSK	B	0662M	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	24.5	23.98	25	14	Left Tr	0	0.019	1.127	0.021	0.030	0.019		41.1		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-128 Ant H Head | Plot A55

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1mit [dBm]	Overall P1mit [dBm]	EPS P1mit [dBm]
Head	NR Band n30	10	CPSK	H	0909M	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Right Cheek	0	0.116	1.253	0.145	0.185	0.116		26.3		
Head	NR Band n30	10	CPSK	H	0909M	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	18.0	17.02	25	0	Right Cheek	0	0.117	1.250	0.146	0.186	0.117		26.3		
Head	NR Band n30	10	CPSK	H	0909M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Right Tr	0	0.053	1.253	0.066	0.084	0.053		29.7		
Head	NR Band n30	10	CPSK	H	0909M	1:1	-0.11	2310.00	462000	DFT-s-OFDM	0.0	18.0	17.03	25	0	Right Tr	0	0.053	1.250	0.066	0.084	0.053		29.7		
Head	NR Band n30	10	CPSK	H	0909M	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Left Cheek	0	0.044	1.254	0.069	0.071	0.044		34.4		
Head	NR Band n30	10	CPSK	H	0909M	1:1	-0.05	2310.00	462000	DFT-s-OFDM	0.0	18.0	17.03	25	0	Left Cheek	0	0.038	1.250	0.045	0.056	0.035		21.1		
Head	NR Band n30	10	CPSK	H	0909M	1:1	0.01	2310.00	462000	CP-OFDM	0.0	18.0	17.00	1	1	Left Cheek	0	0.040	1.233	0.057	0.078	0.040		Plot		
Head	NR Band n30	10	CPSK	H	0909M	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Left Tr	0	0.128	1.250	0.173	0.200	0.128		25.6		
Head	NR Band n30	10	CPSK	H	0909M	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	18.0	17.03	25	0	Left Tr	0	0.128	1.250	0.174	0.221	0.128		25.5		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-129 Ant B Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1mit [dBm]	Overall P1mit [dBm]	EPS P1mit [dBm]
Body	NR Band n30	10	CPSK	B	0909M	1:1	-0.03	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.36	1	0	Bottom	5	0.074	1.159	0.781	0.992	0.620		31.0		
Body	NR Band n30	10	CPSK	B	0909M	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.46	25	27	Bottom	5	0.044	1.152	0.774	0.982	0.611		31.1		
Body	NR Band n30	10	CPSK	B	0909M	1:1	0.06	2310.00	462000	CP-OFDM	0.0	19.0	18.46	1	1	Bottom	5	0.608	1.132	0.779	0.989	0.618		31.0		
Body	NR Band n30	10	CPSK	B	0909M	1:1	-0.14	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.36	1	1	Left	5	0.090	1.159	0.104	0.132	0.083		39.8		
Body	NR Band n30	10	CPSK	B	0909M	1:1	0.12	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.46	25	27	Left	5	0.090	1.132	0.100	0.122	0.071		40.0		
Body worn/Body	NR Band n30	10	CPSK	B	0909M	1:1	-0.09	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.36	1	1	Back	5	0.517	1.159	0.604	0.767	0.479		32.1	31.0	18.0
Body worn/Body	NR Band n30	10	CPSK	B	0909M	1:1	-0.04	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.46	25	27	Back	5	0.503	1.132	0.592	0.752	0.470		32.2		
Body worn/Body	NR Band n30	10	CPSK	B	0909M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.36	1	0	Front	5	0.226	1.159	0.331	0.421	0.263		34.8		
Body worn/Body	NR Band n30	10	CPSK	B	0909M	1:1	-0.07	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.46	25	27	Front	5	0.291	1.132	0.324	0.414	0.261		34.8		
ANSI/IEEE C63.7-1992 SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
Body																		1.6 W/kg SAR averaged over 10 grams								



Table 12-131 Ant H Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1min [dBm]	Overall P1min [dBm]	EPS P1min [dBm]
Body	NR Band n30	10	QPSK	H	0662M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.02	1	1	Top	5	0.091	1.262	0.061	0.062	0.091		21.8		18.0
Body	NR Band n30	10	QPSK	H	0662M	1:1	0.04	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.01	25	0	Top	5	0.094	1.256	0.055	0.070	0.044		31.5		
Body	NR Band n30	10	QPSK	H	0893M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.02	1	1	Right	5	0.061	1.253	0.457	0.581	0.363		22.3		
Body	NR Band n30	10	QPSK	H	0893M	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.01	25	0	Right	5	0.081	1.256	0.479	0.608	0.388		22.2		
Body	NR Band n30	10	QPSK	H	0893M	1:1	0.03	2310.00	462000	CP-OFDM	0.0	19.0	18.11	1	1	Right	5	0.081	1.227	0.443	0.563	0.352		22.5		22.2
Body worn/Body	NR Band n30	10	QPSK	H	0893M	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.02	1	1	Back	5	0.174	1.253	0.218	0.277	0.173		25.8		
Body worn/Body	NR Band n30	10	QPSK	H	0893M	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.01	25	0	Back	5	0.181	1.246	0.227	0.285	0.181		25.4		
Body worn/Body	NR Band n30	10	QPSK	H	0662M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.02	1	1	Front	5	0.094	1.253	0.118	0.150	0.094		28.2		
Body worn/Body	NR Band n30	10	QPSK	H	0662M	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.01	25	0	Front	5	0.091	1.256	0.114	0.145	0.091		28.4		
ANSI/IEEE C63.1 1987 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-132 Ant H Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1min [dBm]	Overall P1min [dBm]	EPS P1min [dBm]
Body	NR Band n30	10	QPSK	H	0878M	1:1	0.08	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.36	1	1	Bottom	5	0.124	1.159	0.132	0.168	0.105		35.7		19.0
Body	NR Band n30	10	QPSK	H	0878M	1:1	0.12	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.36	25	0	Bottom	5	0.124	1.176	0.134	0.171	0.109		35.8		
Body	NR Band n30	10	QPSK	H	0878M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.36	1	1	Right	5	0.191	1.159	0.847	1.076	0.673		31.0		
Body	NR Band n30	10	QPSK	H	0878M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.29	25	0	Right	5	0.201	1.178	0.826	1.049	0.656		31.8		
Body	NR Band n30	10	QPSK	H	0878M	1:1	0.04	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.21	50	0	Right	5	0.189	1.189	0.813	1.040	0.650		31.8		
Body	NR Band n30	10	QPSK	H	0878M	1:1	0.02	2310.00	462000	CP-OFDM	0.0	20.0	19.43	1	1	Right	5	0.178	1.140	0.887	1.126	0.704		31.0		
Body worn/Body	NR Band n30	10	QPSK	H	0878M	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.36	1	1	Back	5	0.166	1.159	0.134	0.171	0.107		39.0		
Body worn/Body	NR Band n30	10	QPSK	H	0878M	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.29	25	0	Back	5	0.164	1.178	0.134	0.171	0.107		39.0		
Body worn/Body	NR Band n30	10	QPSK	H	0878M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.36	1	1	Front	5	0.123	1.159	0.201	0.255	0.159		37.9		
Body worn/Body	NR Band n30	10	QPSK	H	0878M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.29	25	0	Front	5	0.126	1.159	0.211	0.268	0.168		37.7		
ANSI/IEEE C63.1 1987 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g) averaged over 1 gram								

12.25 NR Band n7 Standalone SAR

Table 12-133 Ant B Head

posure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1min [dBm]	Overall P1min [dBm]	EPS P1min [dBm]
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	25.5	24.02	1	268	Right Cheek	0	0.057	1.406	0.080	0.090	0.056		36.4		
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.09	2535.00	507000	DFT-s-OFDM	0.0	25.5	23.73	135	68	Right Cheek	0	0.067	1.503	0.101	0.113	0.071		35.4		
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.10	2535.00	507000	DFT-s-OFDM	0.0	25.5	24.02	1	268	Right TIR	0	0.022	1.406	0.031	0.035	0.022		40.5		
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.17	2535.00	507000	DFT-s-OFDM	0.0	25.5	23.73	135	68	Right TIR	0	0.051	1.503	0.023	0.025	0.016		41.0		
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.12	2535.00	507000	DFT-s-OFDM	0.0	25.5	24.02	1	268	Left Cheek	0	0.066	1.406	0.096	0.107	0.067		35.6		
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.10	2535.00	507000	DFT-s-OFDM	0.0	25.5	23.73	135	68	Left Cheek	0	0.068	1.503	0.132	0.148	0.093		34.2		
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.10	2535.00	507000	CP-OFDM	1.5	24.0	22.00	1	1	Left Cheek	0	0.054	1.585	0.086	0.136	0.085		34.6		
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	25.5	24.02	1	268	Left TIR	0	0.033	1.406	0.046	0.052	0.033		38.8		
Head	NR Band n7	50	QPSK	B	0662M	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	25.5	23.73	135	68	Left TIR	0	0.050	1.406	0.045	0.051	0.032		38.0		
ANSI/IEEE C63.1 1987 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-134 Ant H Head | Plot A57

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1min [dBm]	Overall P1min [dBm]	EPS P1min [dBm]
Head	NR Band n7	50	QPSK	H	0662M	1:1	0.10	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.27	1	1	Right Cheek	0	0.177	1.054	0.187	0.237	0.148		24.2		
Head	NR Band n7	50	QPSK	H	0662M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.27	135	0	Right Cheek	0	0.071	1.109	0.192	0.244	0.123		24.6		
Head	NR Band n7	50	QPSK	H	0662M	1:1	0.12	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.27	1	1	Right TIR	0	0.077	1.054	0.081	0.102	0.064		28.4		
Head	NR Band n7	50	QPSK	H	0662M	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.05	135	0	Right TIR	0	0.078	1.109	0.087	0.110	0.069		28.1		
Head	NR Band n7	50	QPSK	H	0393M	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.27	1	1	Left Cheek	0	0.040	1.054	0.085	0.146	0.102		18.0		
Head	NR Band n7	50	QPSK	H	0393M	1:1	0.09	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.05	135	0	Left Cheek	0	0.051	1.109	0.054	0.148	0.109		17.5		
Head	NR Band n7	50	QPSK	H	0393M	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.00	270	0	Left Cheek	0	0.101	1.122	0.825	1.047	0.604		18.3		
Head	NR Band n7	50	QPSK	H	0393M	1:1	0.00	2535.00	507000	CP-OFDM	0.0	17.5	17.27	1	1	Left Cheek	0	0.103	1.050	0.817	1.037	0.640		18.3		
Head	NR Band n7	50	QPSK	H	0662M	1:1	0.13	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.27	1	1	Left TIR	0	0.212	1.054	0.223	0.284	0.179		24.0		
Head	NR Band n7	50	QPSK	H	0662M	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	17.5	17.05	135	0	Left TIR	0	0.202	1.109	0.224	0.285	0.178		23.0		
ANSI/IEEE C63.1 1987 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-135 Ant B Open Body | Plot A58

posure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	P1min [dBm]	Overall P1min [dBm]	EPS P1min [dBm]
Body	NR Band n7	50	QPSK	B	0779M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.88	1	1	Bottom	5	0.795	1.028	0.817	1.038	0.649		19.8		
Body	NR Band n7	50	QPSK	B	0779M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.48	135	0	Bottom	5	0.763	1.076	0.843	1.070	0.669		19.7		
Body	NR Band n7	50	QPSK	B	0779M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.33	270	0	Bottom	5	0.773	1.117	0.862	1.093	0.684		19.8		
Body	NR Band n7	50	QPSK	B	0662M	1:1	0.06	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.88	1	1	Left	5	0.211	1.028	0.217	0.275	0.172		25.6		
Body	NR Band n7	50	QPSK	B	0662M	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.48	135	0	Left	5	0.240	1.076	0.264	0.335	0.209		24.7		
Body-worn/Body	NR Band n7	50	QPSK	B	0662M	1:1	0.09	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.98	1	1	Back	5	0.875	1.028	0.900	1.142	0.724		19.4		
Body-worn/Body	NR Band n7	50	QPSK	B	0662M	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.98	135	0	Back	5	0.852	1.076	0.885	1.246	0.779		19.6		
Body-worn/Body	NR Band n7	50	QPSK	B	0662M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.33	270	0	Back	5	0.876	1.117	0.978	1.263	0.777		19.0		
Body-worn/Body	NR Band n7	50	QPSK	B	0662M	1:1	0.08	2535.00	507000	CP-OFDM	0.0	19.0	18.33	1	1	Back	5	0.930	1.019	0.927	1.178	0.736		19.1		
Body-worn/Body	NR Band n7	50	QPSK	B	0779M	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.98	1	1	Front	5	0.930	1.028	0.947	1.568	0.735		22.4		
Body-worn/Body	NR Band n7	50	QPSK	B	0779M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	19.0	18.98	135	0	Front	5	0.929	1.076	0.962	1.586	0.768		22.1		
ANSI/IEEE C63.1990 - SAFETY LIMIT																										
Spatial Peak												1.6 W/kg (mW/g)														
Unintentional General Population												averaged over 1 gram														

Table 12-136 Ant B Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power DfB [dB]	Frequency [MHz]	Channel #	Waveform	MPE [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured EIRP SAE [W/g]	Power Scaling Factor	Reported EIRP [W/g]	Calculated EIRP SAE [W/g]	Exposure Rate [mW/g]	Plot #	Plot [dB]	Overall [dBm]	EIRP [dBm]
Body	NR Band n7	50	QPSK	B	08B1M	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	21.0	19.82	1	1	Bottom	5	0.688	1.312	0.903	1.146	0.716	21.4			
Body	NR Band n7	50	QPSK	B	08B1M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.21	21.0	19.57	135	0	Bottom	5	0.703	1.390	0.977	1.241	0.776	21.1			
Body	NR Band n7	50	QPSK	B	08B1M	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	21.0	19.45	270	0	Bottom	5	0.728	1.445	1.055	1.340	0.838	20.7			
Body	NR Band n7	50	QPSK	B	08B1M	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	21.0	19.53	1	1	Left	5	0.710	1.312	0.940	1.055	0.711	21.1			
Body	NR Band n7	50	QPSK	B	0079M	1:1	0.10	2535.00	507000	DFT-s-OFDM	0.21	21.0	19.57	135	0	Left	5	0.730	1.390	0.931	1.040	0.263	25.8			
Body-worn/Body	NR Band n7	50	QPSK	B	08B1M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	21.0	19.82	1	1	Back	5	0.885	1.312	1.161	1.475	0.822	20.3	20.2	20.0	
Body-worn/Body	NR Band n7	50	QPSK	B	08B1M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	21.0	19.82	1	1	Back	5	0.885	1.312	1.161	1.475	0.822	20.3			
Body-worn/Body	NR Band n7	50	QPSK	B	08B1M	1:1	-0.08	2535.00	507000	DFT-s-OFDM	0.0	21.0	19.40	270	0	Back	5	0.827	1.445	1.195	1.518	0.948	20.2			
Body-worn/Body	NR Band n7	50	QPSK	B	08B1M	1:1	0.00	2535.00	507000	CP-OFDM	0.0	21.0	19.89	1	1	Back	5	0.887	1.291	1.119	1.422	0.889	20.5			
Body-worn/Body	NR Band n7	50	QPSK	B	0079M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	21.0	19.82	1	1	Front	5	0.920	1.312	0.968	0.803	0.052	22.8			
Body-worn/Body	NR Band n7	50	QPSK	B	0079M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	21.0	19.57	135	1	Front	5	0.949	1.390	0.968	0.086	0.054	20.1			
ANU/IEEE CYS-1192 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled CW/Modulated Radiation																										
Body																										
1.6 W/g (mW/g)																										

Table 12-137 Ant H Open Body

Table 1-1: RF Emissions (Continued)																										
Use	Band / Mode	Bandwidth (MHz)	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power (dB) (SAR)	Frequency (MHz)	Channel #	Waveform	MPR (dB)	Max Allowed Power (dBm)	Conducted Power (dBm)	RB Size	RB Offset	Test Position	Spacing [mm]	Measured Ig SAR [W/kg]	Power Scaling Factor	Reported Ig SAR [W/kg]	Adjusted Ig SAR [W/kg]	Exposure Rate (Ig SAR)	P _{10t} #	P _{10m} [dBm]	Overall P _{10m} [dBm]	RF P _{10m} [dBm]
Body	NB Band n7	50	QPSK	H	0662Mn	1:1	-0.10	2535.00	507000	DFT-s-OFDM	0.0	19.5	18.27	1	1	Top	5	0.133	1.327	0.176	0.224	0.140		27.0		
Body	NB Band n7	50	QPSK	H	0662Mn	1:1	-0.11	2535.00	507000	DFT-s-OFDM	0.0	19.5	18.16	135	0	Top	5	0.131	1.396	0.183	0.232	0.141		26.8		
Body	NB Band n7	50	QPSK	H	0662Mn	1:1	0.10	2535.00	507000	DFT-s-OFDM	0.0	19.5	18.27	1	1	Right	5	0.750	1.327	1.002	1.272	0.795		19.4		
Body	NB Band n7	50	QPSK	H	0662Mn	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	19.5	18.05	135	0	Right	5	0.759	1.396	1.060	1.346	0.841		19.2		
Body	NB Band n7	50	QPSK	H	0662Mn	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	19.5	17.97	270	0	Right	5	0.729	1.422	1.037	1.317	0.823		19.3		
Body	NB Band n7	50	QPSK	H	0662Mn	1:1	0.04	2535.00	507000	CP-OFDM	0.0	19.5	18.42	1	1	Right	5	0.801	1.396	1.014	1.388	0.818		19.4	10.2	15.1
Body-worn/body	NB Band n7	50	QPSK	H	0662Mn	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	19.5	18.27	1	1	Back	5	0.312	1.422	0.414	0.526	0.329		22.9		
Body-worn/body	NB Band n7	50	QPSK	H	0662Mn	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	19.5	18.06	135	0	Back	5	0.322	1.396	0.450	0.571	0.357		22.9		
Body-worn/body	NB Band n7	50	QPSK	H	0662Mn	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	19.5	18.27	1	1	Front	5	0.466	1.327	0.618	0.785	0.495		21.5		
Body-worn/body	NB Band n7	50	QPSK	H	0662Mn	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	19.5	18.05	135	0	Front	5	0.507	1.396	0.702	0.892	0.558		21.0		
ANSI/IEEE C63.1.1992 - SAFETY LIMIT																										
Uncontrolled Exposure: General Population																		Body								
Spatial Peak																		1.6 W/kg (mW/g)								
Uncontrolled Exposure: General Population																		Uncontrolled level: 1 mm								

Table 12-138 Ant H Closed Body

[illegible]

12.26 NR Band n41 Standalone SAR

Table 12-139 Ant B Head

ANALYSIS OF 11902 - SAFETY LIMIT																											
Exposure	Band / Mode	Bandwidth (MHz)	Service / Modulation	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power DnB (dB)	Frequency (MHz)	Channel #	Waveform	MPR (dB)	Max Allowed Power (dBm)	Conducted Power (dBm)	RE Size	RE Offset	Test Position	Spacing (mm)	Measured by SAR (W/kg)	Power Scaling Factor	Reported by SAR (W/kg)	Adjusted by SAR (W/kg)	Exposure Ratio (by SAR)	Plot #	Plaintiff (Plot)	Overall Plaintiff (Plot)	EFS Plaintiff (Plot)
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-80.2	2592.99	158588	DF1-e-COFDM	0.0	27.5	26.85	1	271	Right Cheek	0	0.048	1.161	0.052	0.093	0.058		40.1		
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-80.4	2592.99	158588	DF1-e-COFDM	0.0	27.5	27.13	135	69	Right Cheek	0	0.080	1.084	0.056	0.116	0.073		39.3		
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-80.6	2592.99	158588	DF1-e-COFDM	0.0	27.5	27.15	135	69	Right Tr	0	0.068	1.084	0.056	0.108	0.073		42.0		
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-81.0	2592.99	158588	DF1-e-COFDM	0.0	27.5	27.15	135	69	Right Tr	0	0.026	1.084	0.038	0.050	0.033		43.0		
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-80.6	2592.99	158588	DF1-e-COFDM	0.0	27.5	26.85	1	271	Left Cheek	0	0.043	1.161	0.050	0.089	0.056		40.5	37.1	30.0
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-80.2	2592.99	158588	DF1-e-COFDM	0.0	27.5	27.15	135	69	Left Cheek	0	0.038	1.084	0.052	0.116	0.073		39.3		
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-80.6	2592.99	158588	DF1-e-COFDM	0.0	27.5	27.15	135	69	Left Tr	0	0.026	1.084	0.038	0.050	0.033		43.0		
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-80.2	2592.99	158588	DF1-e-COFDM	0.0	27.5	26.85	1	271	Left Tr	0	0.032	1.161	0.024	0.045	0.028		37.5		
Head	NR Band n1	100	QPSK	B	Path 1	06688A	1:1	-80.6	2592.99	158588	DF1-e-COFDM	0.0	27.5	27.13	135	69	Left Tr	0	0.030	1.084	0.033	0.062	0.039		42.0		
ANALYSIS OF 11902 - SAFETY LIMIT															Head					1.6 W/kg (mW/g)							
Spatial Peak																											
Exposure of 11902 - SAFETY LIMIT																											

Table 12-140 Ant H Head | Plot A59

[illegible]

Table 12-141 Ant C Head

TABLE II - E-Field Exposure Data																							
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Rate (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n=1	100	C	Path 1	0668M	1:1	0.15	2592.99	518598	CW/SRS	23.0	22.68	Right Cheek	0	0.114	1.076	0.123	0.156	0.098		32.1		
Head	NR Band n=1	100	C	Path 1	0668M	1:1	-0.06	2592.99	518598	CW/SRS	23.0	22.68	Left Cheek	0	0.083	1.076	0.088	0.112	0.070		33.5		
Head	NR Band n=1	100	C	Path 1	0668M	1:1	0.05	2592.99	518598	CW/SRS	23.0	22.68	Left Cheek	0	0.239	1.076	0.257	0.327	0.204		28.8		22.0
Head	NR Band n=1	100	C	Path 1	0668M	1:1	-0.15	2592.99	518598	CW/SRS	23.0	22.68	Left Tib	0	0.048	1.076	0.052	0.066	0.041		35.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																							
Spatial Peak												Head											
Uncontrolled Exposure/General Population												1.6 W/kg (avg) 10 g average over 1 gram											

FCC ID: A3LSMF776U	RF EXPOSURE PART 1 TEST REPORT			Approved by: Technical Manager
Document S/N: 1M2602190015-34.A3L(Rev2)	DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		 Page 166 of 198

Table 12-142 Ant G Head

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	ERS Plimit [dBm]
Head	NR Band n41	100	G	Path 1	0668M	1:1	-0.05	2592.99	518598	CW/SRS	18.5	17.88	Right Cheek	0	0.485	1.127	0.547	0.694	0.434		32.0		
Head	NR Band n41	100	G	Path 1	0668M	1:1	-0.19	2592.99	518598	CW/SRS	18.5	17.58	Right Tilt	0	0.470	1.127	0.530	0.673	0.421		32.0		17.5
Head	NR Band n41	100	G	Path 1	0668M	1:1	0.03	2592.99	518598	CW/SRS	18.5	17.98	Left Cheek	0	0.187	1.127	0.211	0.268	0.168				
Head	NR Band n41	100	G	Path 1	0668M	1:1	-0.02	2592.99	518598	CW/SRS	18.5	17.98	Left Tilt	0	0.022	1.127	0.250	0.318	0.198		35.4		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																					Head 1.6 W/kg (mW/g) averaged over 1 gram		

Table 12-143 Ant B Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	ERS Plimit [dBm]
Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	0.02	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.32	1	271	Bottom	5	0.689	1.067	0.705	0.904	0.684		21.8		
Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.35	135	138	Bottom	5	0.705	1.061	0.762	0.968	0.805		21.6		
Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	-0.01	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.22	1	271	Left	5	0.331	1.067	0.246	0.313	0.196		26.5		
Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	-0.03	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.16	135	138	Left	5	0.228	1.081	0.246	0.313	0.196		26.5		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	0.05	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.37	1	271	Back	5	0.622	1.067	0.865	1.251	0.763		20.5	19.9	10.5
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	-0.06	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.16	135	138	Back	5	0.989	1.081	1.080	1.371	0.857		20.1	19.5	
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	-0.06	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.06	270	0	Back	5	0.968	1.107	1.072	1.361	0.811		20.2		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	0.01	2592.99	518598	CP-OFDM	0.0	20.5	19.80	1	1	Back	5	0.972	1.175	1.142	1.400	0.906		19.9		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	-0.01	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.37	1	271	Front	5	0.373	1.067	0.388	0.505	0.316		24.5		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	0668M	1:1	-0.04	2592.99	518598	DFT-s-OFDM	0.0	20.5	20.16	135	138	Front	5	0.388	1.081	0.419	0.533	0.333		24.2		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.4 W/kg (mW/g) averaged over 1 gram									
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	ERS Plimit [dBm]				
Body-worn/Body	NR Band n41	100	B	Path 2	0668M	1:1	0.07	2592.99	518598	CW/SRS	19.0	18.81	Back	5	0.700	1.065	0.732	0.929	0.581		20.3	20.3	18.0				
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram									

Table 12-144 Ant B Closed Body | Plot A60

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	ERS Plimit [dBm]
Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	-0.09	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.35	1	271	Bottom	5	0.951	1.035	0.984	1.250	0.761		21.5		
Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	-0.03	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.32	135	138	Bottom	5	0.877	1.045	0.916	1.164	0.728		21.8		
Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.22	270	0	Bottom	5	0.801	1.067	0.855	1.085	0.678		22.1		
Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.35	1	271	Left	5	0.303	1.035	0.314	0.398	0.249		26.5		
Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	-0.11	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.35	135	138	Left	5	0.378	1.045	0.391	0.389	0.231		26.8		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	-0.13	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.35	1	271	Back	5	1.120	1.035	1.159	1.472	0.920	Plot	20.8		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.35	1	271	Back	5	1.065	1.035	1.097	1.395	0.871		21.0	20.8	20.5
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	0.00	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.35	135	138	Back	5	0.976	1.045	1.020	1.295	0.809		21.4		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	-0.12	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.32	270	0	Back	5	1.020	1.067	0.882	1.247	0.779		21.5		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	0.04	2592.99	518598	CP-OFDM	0.0	21.5	20.89	1	1	Back	5	0.857	1.151	0.986	1.253	0.783		21.5		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	0.09	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.35	1	271	Front	5	0.945	1.035	0.947	0.959	0.637		34.8		
Body-worn/Body	NR Band n41	100	QPSK	B	Path 1	1159M	1:1	0.02	2592.99	518598	DFT-s-OFDM	0.0	21.5	21.31	135	138	Front	5	0.695	1.045	0.641	0.652	0.633		35.3		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																					Body 1.6 W/kg (mW/g) averaged over 1 gram						
Note: Blue entry represents variability measurement																											
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	ERS Plimit [dBm]				
Body-worn/Body	NR Band n41	100	B	Path 2	0668M	1:1	-0.04	2592.99	518598	CW/SRS	19.0	18.81	Back	5	0.457	1.045	0.478	0.607	0.379		22.2	22.2	18.0				
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																					Body 1.6 W/kg (mW/g) averaged over 1 gram						

Note: Blue entry represents variability measurement

Table 12-145 Ant H Open Body

ure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	1	271	Top	5	0.200	1.138	0.228	0.289	0.181		26.4		
Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.38	135	138	Top	5	0.221	1.102	0.244	0.309	0.193		26.1		
Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	1	271	Right	5	0.545	1.138	0.621	0.789	0.493		22.0		
Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	-0.01	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.38	135	138	Right	5	0.565	1.102	0.622	0.789	0.493		22.0		
Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	0.01	2592.99	518598	CP-OFDM	0.0	20.0	19.30	1	1	Right	5	0.620	1.202	0.751	0.954	0.586		21.2		
Body-worn/Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	-0.04	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	1	271	Back	5	0.572	1.138	0.293	0.371	0.231		25.4		21.2
Body-worn/Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	-0.05	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.38	135	138	Back	5	0.377	1.102	0.305	0.388	0.243		25.1		
Body-worn/Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	-0.06	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	1	271	Front	5	0.280	1.138	0.330	0.419	0.262		24.8		
Body-worn/Body	NR Band n41	100	QPSK	H	Path 2	0668M	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.38	135	138	Front	5	0.387	1.102	0.338	0.430	0.289		24.7		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram									
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]				
Body	NR Band n41	100	H	Path 1	0668M	1:1	0.02	2592.99	518598	CW/SRS	20.0	19.54	Right	5	0.609	1.112	0.677	0.860	0.538		32.6	32.6	19.0				
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram									

Table 12-146 Ant H Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RF 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]	Exposure Ratio [1g SAR]	Pict #	Plimb [dmm]	Overall Plimb [dmm]	EPS Plimb [dmm]
Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	-0.18	2592.99	518598	DFT-f-OFDM	0.0	20.0	19.84	1	271	Bottom	5	0.110	1.138	0.125	0.159	0.099		29.0		
Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	-0.01	2592.99	518598	DFT-f-OFDM	0.0	20.0	19.89	135	138	Bottom	5	0.189	1.102	0.143	0.182	0.114		28.4		
Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	-0.08	2592.99	518598	DFT-f-OFDM	0.0	20.0	19.44	1	271	Right	5	0.142	1.138	0.617	0.783	0.489		22.6		
Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	-0.12	2592.99	518598	DFT-f-OFDM	0.0	20.0	19.58	135	138	Right	5	0.192	1.062	0.533	0.703	0.439		22.5		
Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	0.04	2592.99	518598	CP-OFDM	0.0	20.0	19.20	1	1	Right	5	0.456	1.202	0.548	0.696	0.435		22.0	22.0	
Body-worn/Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	0.05	2592.99	518598	DFT-f-OFDM	0.0	20.0	19.44	1	271	Back	5	0.093	1.138	0.034	0.132	0.033		29.3		
Body-worn/Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	-0.09	2592.99	518598	DFT-f-OFDM	0.0	20.0	19.58	135	138	Back	5	0.178	1.102	0.107	0.129	0.099		28.9		
Body-worn/Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	0.01	2592.99	518598	DFT-f-OFDM	0.0	20.0	19.44	1	271	Front	5	0.206	1.138	0.234	0.238	0.186		26.5		
Body-worn/Body	NR Band n41	100	QPSK	H	Path 2	1159M	1:1	-0.04	2592.99	518598	DFT-f-OFDM	0.0	20.0	19.58	135	138	Front	5	0.214	1.102	0.236	0.300	0.188		26.2		
ANSI/IEEE C95.1-1992 - SAR T1 LIMIT																				1.6 W/kg (mW/g) averaged over 1 gram							
Spatial Peak Uncontrolled Exposure/General Population																				Body							
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio [1g SAR]	Pict #	Plimb [dmm]	Overall Plimb [dmm]	EPS Plimb [dmm]				
Body	NR Band n41	100	H	Path 1	1159M	1:1	0.02	2592.99	518598	CW/SRS	20.0	19.54	Right	5	0.414	1.112	0.460	0.585	0.366		23.3	23.3	19.0				
ANSI/IEEE C95.1-1992 - SAFETY LIMIT																				Body							
Spatial Peak Uncontrolled Exposure/General Population																				1.6 W/kg (mW/g) averaged over 1 gram							

Table 12-147 Ant C Open Body

[illegible]

Table 12-148 Ant C Closed Body

Table 12-10 Formatted Column Headers																							
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	RFS Plimit [dBm]
Body	NR Band n61	100	C	Path 1	0893M	1:1	-0.01	2592.99	S18598	CW/SRS	19.0	18.31	Top	5	0.066	1.172	0.077	0.098	0.061		30.1		
Body	NR Band n61	100	C	Path 1	0893M	1:1	0.05	2592.99	S18598	CW/SRS	19.0	18.31	Bottom	5	0.074	1.172	0.087	0.110	0.060		29.6		
Body	NR Band n61	100	C	Path 1	0891M	1:1	-0.02	2592.99	S18598	CW/SRS	19.0	18.31	Left	5	0.765	1.172	0.897	1.139	0.712		19.4	19.4	18.0
Body-worn/Body	NR Band n61	100	C	Path 1	0893M	1:1	-0.06	2592.99	S18598	CW/SRS	19.0	18.31	Back	5	0.651	1.172	0.763	0.969	0.606		20.1		
Body-worn/Body	NR Band n61	100	C	Path 1	0893M	1:1	0.20	2592.99	S18598	CW/SRS	19.0	18.31	Front	5	0.080	1.172	0.094	0.119	0.074		29.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram								
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	RFS Plimit [dBm]
Body	NR Band n61	100	C	Path 2	1159M	1:1	-0.06	2592.99	S18598	CW/SRS	16.0	15.59	Left	5	0.347	1.099	0.381	0.484	0.303		20.1	20.1	15.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-149 Ant G Open Body

Table 22: E16 Antenna Open Body																							
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Rate (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EFS Plimt [dBm]
Body	NR Band n41	100	G	Path 2	0668M	1:1	-0.02	2592.99	518598	CW/SRS	21.0	19.98	Top	5	0.247	1.265	0.312	0.397	0.248		37.0		
Body	NR Band n41	100	G	Path 2	0668M	1:1	-0.14	2592.99	518598	CW/SRS	21.0	19.98	Left	5	0.187	1.265	0.311	0.248	0.164		38.7		
Body-worn/Body	NR Band n41	100	G	Path 2	0668M	1:1	0.03	2592.99	518598	CW/SRS	21.0	19.98	Back	5	0.527	1.265	0.414	0.525	0.328		35.8	35.8	20.0
Body-worn/Body	NR Band n41	100	G	Path 2	0668M	1:1	0.05	2592.99	518598	CW/SRS	21.0	19.98	Front	5	0.307	1.265	0.388	0.493	0.308		36.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT															Body								
Spatial Peak															1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population															averaged over 1 gram								
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Rate (1g SAR)	Plot #	Plimt [dBm]	Overall Plimt [dBm]	EFS Plimt [dBm]
Body-worn/Body	NR Band n41	100	G	Path 1	0668M	1:1	0.02	2592.99	518598	CW/SRS	18.5	17.98	Back	5	0.194	1.127	0.207	0.263	0.164		36.3	36.3	17.5
ANSI/IEEE C95.1 1992 - SAFETY LIMIT															Body								
Spatial Peak															1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population															averaged over 1 gram								

Table 12-150 Ant G Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	G	Path 2	1159M	1:1	0.09	2592.99	518598	CW/SRS	21.0	19.98	Bottom	5	0.011	1.265	0.014	0.018	0.011		39.5		
Body	NR Band n41	100	G	Path 2	1159M	1:1	0.09	2592.99	518598	CW/SRS	21.0	19.98	Left	5	0.135	1.265	0.171	0.217	0.136		28.6	27.5	20.0
Body-worn/Body	NR Band n41	100	G	Path 2	1159M	1:1	0.01	2592.99	518598	CW/SRS	21.0	19.98	Back	5	0.091	1.265	0.115	0.146	0.091		30.3		
Body-worn/Body	NR Band n41	100	G	Path 2	1159M	1:1	0.05	2592.99	518598	CW/SRS	21.0	19.98	Front	5	0.176	1.265	0.223	0.283	0.177		27.5		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram								
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Transmit Pathway	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Body	NR Band n41	100	G	Path 1	1159M	1:1	0.09	2592.99	518598	CW/SRS	18.5	17.98	Front	5	0.123	1.127	0.139	0.176	0.110		27.0	27.0	17.5
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.27 NR Band n38 Standalone SAR

Table 12-151 Ant H Head | Plot A61

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n38	40	QPSK	H	0668M	1:1	-0.04	2595.00	519090	DFT-CFDM	0.0	17.5	17.31	1	53	Right Cheek	0	0.130	1.045	0.136	0.173	0.108		26.1		
Head	NR Band n38	40	QPSK	H	0668M	1:1	0.00	2595.00	519090	DFT-CFDM	0.0	17.5	17.33	50	28	Right Cheek	0	0.125	1.040	0.134	0.170	0.106		26.2		
Head	NR Band n38	40	QPSK	H	0668M	1:1	-0.04	2595.00	519090	DFT-CFDM	0.0	17.5	17.31	1	53	Right Tib	0	0.087	1.045	0.091	0.115	0.072		27.3		
Head	NR Band n38	40	QPSK	H	0668M	1:1	0.09	2595.00	519090	DFT-CFDM	0.0	17.5	17.33	50	28	Right Tib	0	0.088	1.040	0.092	0.116	0.073		27.8		
Head	NR Band n38	40	QPSK	H	0668M	1:1	-0.02	2595.00	519090	DFT-CFDM	0.0	17.5	17.31	1	53	Left Cheek	0	0.451	1.045	0.471	0.599	0.374		20.7		
Head	NR Band n38	40	QPSK	H	0668M	1:1	0.01	2595.00	519090	DFT-CFDM	0.0	17.5	17.33	50	28	Left Cheek	0	0.475	1.040	0.494	0.627	0.382		20.3		
Head	NR Band n38	40	QPSK	H	0668M	1:1	0.06	2595.00	519090	CP-OFDM	0.0	17.5	17.25	1	1	Left Cheek	0	0.500	1.039	0.535	0.679	0.424	Plot	20.2		
Head	NR Band n38	40	QPSK	H	0668M	1:1	-0.03	2595.00	519090	DFT-CFDM	0.0	17.5	17.31	1	53	Left Tib	0	0.260	1.045	0.272	0.345	0.216		23.1		
Head	NR Band n38	40	QPSK	H	0668M	1:1	0.04	2595.00	519090	DFT-CFDM	0.0	17.5	17.33	50	28	Left Tib	0	0.234	1.040	0.264	0.333	0.209		23.2		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

12.28 NR Band n48 Standalone SAR

Table 12-152 Ant F Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	QPSK	F	0893M	1:1	-0.13	3679.98	645332	DFT-CFDM	0.0	14.0	13.13	1	104	Right Cheek	0	0.246	1.222	0.301	0.382	0.239		19.2		
Head	NR Band n48	40	QPSK	F	0893M	1:1	-0.21	3679.98	645332	DFT-CFDM	0.0	14.0	13.22	50	56	Right Cheek	0	0.250	1.197	0.229	0.285	0.228		19.2		
Head	NR Band n48	40	QPSK	F	0893M	1:1	0.03	3679.98	645332	CP-OFDM	0.0	14.0	13.15	1	1	Right Cheek	0	0.286	1.216	0.347	0.440	0.275		18.6		
Head	NR Band n48	40	QPSK	F	0893M	1:1	0.05	3679.98	645332	DFT-CFDM	0.0	14.0	13.13	1	104	Right Tib	0	0.169	1.222	0.207	0.262	0.164		20.8		
Head	NR Band n48	40	QPSK	F	0893M	1:1	0.05	3679.98	645332	DFT-CFDM	0.0	14.0	13.22	50	56	Right Tib	0	0.174	1.197	0.208	0.265	0.166		20.8		
Head	NR Band n48	40	QPSK	F	0776M	1:1	0.09	3679.98	645332	DFT-CFDM	0.0	14.0	13.13	1	104	Left Cheek	0	0.025	1.222	0.040	0.051	0.032		27.3	18.6	
Head	NR Band n48	40	QPSK	F	0776M	1:1	-0.11	3679.98	645332	DFT-CFDM	0.0	14.0	13.22	50	56	Left Cheek	0	0.037	1.197	0.044	0.056	0.035		27.5		
Head	NR Band n48	40	QPSK	F	0776M	1:1	-0.09	3679.98	645332	DFT-CFDM	0.0	14.0	13.13	1	104	Left Tib	0	0.035	1.222	0.043	0.054	0.034		27.6		
Head	NR Band n48	40	QPSK	F	0776M	1:1	0.04	3679.98	645332	DFT-CFDM	0.0	14.0	13.22	50	56	Left Tib	0	0.033	1.197	0.040	0.050	0.031		28.0		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-153 Ant H Head | Plot A62

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]			
Head	NR Band n48	40	H	0776M	1:1	-0.18	3679.98	645332	CW/SRS	15.0	14.21	Right Cheek	0	0.161	1.199	0.193	0.245	0.153		33.1	29.3	14.0			
Head	NR Band n48	40	H	0776M	1:1	-0.06	3679.98	645332	CW/SRS	15.0	14.21	Right Tib	0	0.062	1.199	0.074	0.094	0.059		37.2					
Head	NR Band n48	40	H	0776M	1:1	0.00	3679.98	645332	CW/SRS	15.0	14.21	Left Cheek	0	0.384	1.199	0.460	0.585	0.366	Plot	29.3					
Head	NR Band n48	40	H	0776M	1:1	-0.01	3679.98	645332	CW/SRS	15.0	14.21	Left Tib	0	0.143	1.199	0.171	0.218	0.136		33.6					
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-154 Ant K Head

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	K	0985M	1:1	-0.11	3624.99	641666	CW/SRS	15.5	14.87	Right Cheek	0	0.132	1.156	0.153	0.194	0.121		23.6	22.2	14.5
Head	NR Band n48	40	K	0985M	1:1	0.04	3624.99	641666	CW/SRS	15.5	14.87	Right Tibi	0	0.140	1.156	0.162	0.206	0.129		23.4		
Head	NR Band n48	40	K	0985M	1:1	-0.06	3624.99	641666	CW/SRS	15.5	14.87	Left Cheek	0	0.184	1.156	0.213	0.270	0.169		22.2		
Head	NR Band n48	40	K	0985M	1:1	-0.04	3624.99	641666	CW/SRS	15.5	14.87	Left Tibi	0	0.140	1.156	0.162	0.206	0.129		23.4		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram									

Table 12-155 Ant C Head

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]			
Head	NR Band n48	40	C	0776M	1:1	0.05	3624.99	641666	CW/SRS	14.0	13.51	Right Cheek	0	0.000	1.119	0.000	0.000	0.000		64.4					
Head	NR Band n48	40	C	0776M	1:1	0.05	3624.99	641666	CW/SRS	14.0	13.51	Right Tib	0	0.000	1.119	0.000	0.000	0.000		64.4					
Head	NR Band n48	40	C	0776M	1:1	0.02	3624.99	641666	CW/SRS	14.0	13.51	Left Cheek	0	0.012	1.119	0.013	0.017	0.011		43.6	43.6	13.0			
Head	NR Band n48	40	C	0776M	1:1	0.01	3624.99	641666	CW/SRS	14.0	13.51	Left Tib	0	0.003	1.119	0.003	0.004	0.003		49.7					
ANSI/IEEE C63.1 1992 - SAFETY LIMIT															Head										
Spatial Peak															1.6 W/kg (mW/g)										
Uncontrolled Exposure/General Population															averaged over 1 gram										

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Document S/N: 1M2602190015-34.A3L(Rev2)		DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.					Page 169 of 198	

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Table 12-156 Ant F Open Body | Plot A63, A64

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.87	1	104	Top	5	0.598	1.030	0.317	0.403	0.252		21.8		
Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.05	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.96	50	0	Top	5	0.489	1.009	0.352	0.447	0.279		21.5		
Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.06	3570.00	638000	DFT-s-OFDM	0.0	17.0	16.79	1	104	Left	5	0.933	1.030	0.360	1.244	0.778	Plot	17.0		
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.00	3570.00	638000	DFT-s-OFDM	0.0	17.0	16.80	1	104	Left	5	0.905	1.025	0.347	1.203	0.752		17.2		
Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.01	3624.99	641666	DFT-s-OFDM	0.0	17.0	16.74	1	53	Left	5	0.820	1.052	0.373	1.105	0.685		17.5		
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.01	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.87	1	104	Left	5	0.830	1.030	0.355	1.086	0.679		17.6		
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.02	3570.00	638000	DFT-s-OFDM	0.0	17.0	16.88	50	56	Left	5	0.931	1.028	0.357	1.215	0.759		17.1		
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	17.0	16.80	50	0	Left	5	0.929	1.047	0.372	1.108	0.689		17.5		
Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.05	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.96	50	0	Left	5	0.875	1.009	0.383	1.121	0.701		17.5		
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.01	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.82	100	0	Left	5	0.839	1.042	0.374	1.110	0.684		17.5		
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.03	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.75	1	1	Left	5	0.937	1.059	0.371	1.233	0.771		17.0		
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.03	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.75	1	1	Left	5	0.937	1.059	0.371	1.233	0.771		17.0		
Body-worn/Body	NR Band n8	40	QPSK	F	0895M	1:1	0.00	3570.00	638000	DFT-s-OFDM	0.0	17.0	16.79	1	104	Back	5	0.598	1.030	0.315	0.781	0.488		18.1		
Body-worn/Body	NR Band n8	40	QPSK	F	0895M	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	17.0	16.74	1	53	Back	5	0.782	1.052	0.397	0.738	0.474		19.2		
Body-worn/Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.18	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.87	1	104	Back	5	0.924	1.030	0.340	0.685	0.438		19.6		
Body-worn/Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.10	3570.00	638000	DFT-s-OFDM	0.0	17.0	16.88	50	56	Back	5	0.989	1.028	0.401	0.764	0.478		19.2		
Body-worn/Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.01	3624.99	641666	DFT-s-OFDM	0.0	17.0	16.80	50	0	Back	5	0.963	1.047	0.369	0.745	0.468		19.2		
Body-worn/Body	NR Band n8	40	QPSK	F	0895M	1:1	0.00	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.96	50	0	Back	5	0.863	1.009	0.388	0.788	0.499	Plot	18.0		
Body-worn/Body	NR Band n8	40	QPSK	F	0776M	1:1	-0.06	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.87	1	104	Front	5	0.128	1.030	0.132	0.167	0.104		25.7		
Body-worn/Body	NR Band n8	40	QPSK	F	0776M	1:1	-0.02	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.96	50	0	Front	5	0.137	1.009	0.138	0.176	0.110		25.5		
ANSI/IEEE CS1.1 1992 - SAFETY LIMIT																		Body								
Spatial Peak																		1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																		averaged over 1 gram								

Note: Blue entry represents variability measurement

Table 12-157 Ant F Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n8	40	QPSK	F	0776M	1:1	0.02	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.87	1	104	Bottom	5	0.198	1.030	0.204	0.259	0.162		34.8		
Body	NR Band n8	40	QPSK	F	0776M	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.96	50	0	Bottom	5	0.164	1.009	0.186	0.236	0.148		35.2		
Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.12	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.87	1	104	Left	5	0.445	1.030	0.456	0.579	0.382		31.1		
Body	NR Band n8	40	QPSK	F	0895M	1:1	-0.06	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.96	50	0	Left	5	0.475	1.005	0.479	0.609	0.381		31.1		
Body	NR Band n8	40	QPSK	F	0895M	1:1	0.11	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.75	1	1	Left	5	0.464	1.059	0.491	0.624	0.390		31.0		
Body-worn/Body	NR Band n8	40	QPSK	F	0895M	1:1	0.00	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.87	1	104	Back	5	0.982	1.030	0.454	0.643	0.427		42.6		
Body-worn/Body	NR Band n8	40	QPSK	F	0776M	1:1	0.03	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.96	50	0	Back	5	0.929	1.009	0.429	0.617	0.503		43.3		
Body-worn/Body	NR Band n8	40	QPSK	F	0776M	1:1	0.02	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.87	1	104	Front	5	0.228	1.030	0.235	0.298	0.186		34.2		
Body-worn/Body	NR Band n8	40	QPSK	F	0776M	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	17.0	16.96	50	0	Front	5	0.228	1.009	0.231	0.293	0.183		34.1		
ANSI/IEEE CS1.1 1992 - SAFETY LIMIT																		Body								
Spatial Peak																		1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population																		averaged over 1 gram								

Table 12-158 Ant H Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n8	40	H	0776M	1:1	0.00	3679.98	645332	CW/SRS	18.0	17.33	Top	5	0.128	1.167	0.149	0.190	0.119		37.2		
Body	NR Band n8	40	H	1157M	1:1	0.01	3570.00	638000	CW/SRS	18.0	16.95	Right	5	0.657	1.274	0.837	1.063	0.664		29.7		
Body	NR Band n8	40	H	1157M	1:1	-0.07	3624.99	641666	CW/SRS	18.0	17.21	Right	5	0.788	1.199	0.945	1.200	0.750		29.2		
Body	NR Band n8	40	H	1157M	1:1	0.05	3679.98	645332	CW/SRS	18.0	17.33	Right	5	0.761	1.167	0.888	1.128	0.705		29.4		
Body-worn/Body	NR Band n8	40	H	0776M	1:1	0.11	3679.98	645332	CW/SRS	18.0	17.33	Back	5	0.392	1.167	0.457	0.581	0.363		32.3		
Body-worn/Body	NR Band n8	40	H	0776M	1:1	-0.03	3679.98	645332	CW/SRS	18.0	17.33	Front	5	0.293	1.167	0.342	0.434	0.271		33.6		
ANSI/IEEE CS9.1 1992 - SAFETY LIMIT														Body								
Spatial Peak														1.6 W/kg (mW/g)								
Uncontrolled Exposure/General Population														averaged over 1 gram								

Table 12-159 Ant H Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n8	40	H	0776M	1:1	0.00	3679.98	645332	CW/SRS	18.0	17.33	Bottom	5	0.061	1.167	0.071	0.090	0.056		40.4		
Body	NR Band n8	40	H	0776M	1:1	0.06	3570.00	638000	CW/SRS	18.0	16.95	Right	5	0.527	1.274	0.671	0.853	0.533		30.7		
Body	NR Band n8	40	H	0776M	1:1	-0.10	3624.99	641666	CW/SRS	18.0	17.21	Right	5	0.548	1.199	0.657	0.834	0.521		30.7		
Body	NR Band n8	40	H	0776M	1:1	-0.06	3679.98	645332	CW/SRS	18.0	17.33	Right	5	0.533	1.167	0.622	0.790	0.494		31.0		
Body-worn/Body	NR Band n8	40	H	0776M	1:1	-0.21	3679.98	645332	CW/SRS	18.0	17.33	Back	5	0.046	1.167	0.054	0.068	0.043		41.6		
Body-worn/Body	NR Band n8	40	H	0776M	1:1	-0.06	3679.98	645332	CW/SRS	18.0	17.33	Front	5	0.284	1.167	0.331	0.421	0.263		33.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																						
Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										



Table 12-162 Ant C Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	C	0776M	1:1	0.04	3624.99	641666	CW/SRS	17.5	17.39	Bottom	5	0.025	1.026	0.026	0.033	0.021		33.4		
Body	NR Band n48	40	C	0895M	1:1	0.07	3570.00	638000	CW/SRS	17.5	17.28	Left	5	0.702	1.052	0.739	0.938	0.586		18.8		
Body	NR Band n48	40	C	0895M	1:1	0.01	3624.99	641666	CW/SRS	17.5	17.39	Left	5	0.689	1.026	0.707	0.898	0.561		19.0		
Body	NR Band n48	40	C	0895M	1:1	-0.04	3679.98	645332	CW/SRS	17.5	17.21	Left	5	0.696	1.069	0.744	0.945	0.591		18.7		
Body-worn/body	NR Band n48	40	C	0895M	1:1	-0.04	3624.99	641666	CW/SRS	17.5	17.39	Back	5	0.457	1.026	0.469	0.595	0.372		20.7		
Body-worn/body	NR Band n48	40	C	0776M	1:1	-0.10	3624.99	641666	CW/SRS	17.5	17.39	Front	5	0.109	1.026	0.112	0.142	0.089		27.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																				Body 1.6 W/kg (mW/g) averaged over 1 gram		

Table 12-163 Ant C Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	C	0776M	1:1	0.08	3624.99	641666	CW/SRS	17.5	17.39	Top	5	0.008	1.026	0.008	0.010	0.006		38.3		
Body	NR Band n48	40	C	0776M	1:1	0.18	3624.99	641666	CW/SRS	17.5	17.39	Bottom	5	0.019	1.026	0.019	0.025	0.016		34.6		
Body	NR Band n48	40	C	0895M	1:1	0.00	3570.00	638000	CW/SRS	17.5	17.28	Left	5	0.615	1.052	0.647	0.822	0.514		19.3		
Body	NR Band n48	40	C	0895M	1:1	0.06	3624.99	641666	CW/SRS	17.5	17.39	Left	5	0.576	1.026	0.591	0.751	0.469		19.7		
Body	NR Band n48	40	C	0895M	1:1	-0.04	3679.98	645332	CW/SRS	17.5	17.21	Left	5	0.507	1.069	0.542	0.688	0.430		20.1		
Body-worn/body	NR Band n48	40	C	0895M	1:1	0.01	3624.99	641666	CW/SRS	17.5	17.39	Back	5	0.287	1.026	0.294	0.374	0.234		22.8		
Body-worn/body	NR Band n48	40	C	0776M	1:1	0.09	3624.99	641666	CW/SRS	17.5	17.39	Front	5	0.029	1.026	0.030	0.038	0.024		32.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																				Body 1.6 W/kg (mW/g) averaged over 1 gram		

12.29 NR Band n77 Standalone SAR

Table 12-164 Ant F Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77 DoD	100	QPSK	F	0776M	1:1	0.02	3500.01	633334	DFT-s-OFDM	0.0	15.0	14.29	1	271	Right Cheek	0	0.209	1.178	0.246	0.313	0.196		21.0		
Head	NR Band n77	100	QPSK	F	0776M	1:1	0.03	3750.00	650000	DFT-s-OFDM	0.0	15.0	13.62	1	1	Right Cheek	0	0.271	1.282	0.358	0.454	0.284		18.4		
Head	NR Band n77	100	QPSK	F	0776M	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	15.0	13.27	1	0	Right Cheek	0	0.265	1.237	0.374	0.475	0.297		19.2		
Head	NR Band n77	100	QPSK	F	0776M	1:1	0.12	3750.00	650000	CP-OFDM	0.0	15.0	13.85	1	1	Right Cheek	0	0.264	1.303	0.344	0.437	0.273		19.6		
Head	NR Band n77	100	QPSK	F	0776M	1:1	0.07	3750.00	650000	DFT-s-OFDM	0.0	15.0	13.92	1	1	Right Tib	0	0.176	1.282	0.226	0.287	0.179		21.4		
Head	NR Band n77	100	QPSK	F	0776M	1:1	0.08	3750.00	650000	DFT-s-OFDM	0.0	15.0	13.27	1	0	Right Tib	0	0.186	1.327	0.223	0.283	0.177		21.5		
Head	NR Band n77	100	QPSK	F	0776M	1:1	0.06	3750.00	650000	DFT-s-OFDM	0.0	15.0	13.92	1	1	Left Cheek	0	0.891	1.282	0.991	0.716	0.893		25.4	19.2	14.0
Head	NR Band n77	100	QPSK	F	0776M	1:1	0.03	3750.00	650000	DFT-s-OFDM	0.0	15.0	13.27	1	0	Left Cheek	0	0.964	1.327	0.985	0.108	0.968		25.7		
Head	NR Band n77	100	QPSK	F	0776M	1:1	-0.13	3750.00	650000	DFT-s-OFDM	0.0	15.0	13.82	1	1	Left Tib	0	0.643	1.282	0.915	0.070	0.644		27.3		
Head	NR Band n77	100	QPSK	F	0776M	1:1	0.09	3750.00	650000	DFT-s-OFDM	0.0	15.0	13.27	1	0	Left Tib	0	0.949	1.327	0.957	0.077	0.949		27.4		
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 12-165 Ant H Head | Plot A65

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77 DoD	100	H	0776M	1:1	-0.04	3500.01	633334	CW/SRS	15.5	13.93	Right Cheek	0	0.212	1.435	0.304	0.386	0.241		20.6		
Head	NR Band n77	100	H	0776M	1:1	0.03	3930.00	662000	CW/SRS	15.5	15.19	Right Cheek	0	0.115	1.074	0.124	0.157	0.098		24.5		
Head	NR Band n77 DoD	100	H	0776M	1:1	0.06	3500.01	633334	CW/SRS	15.5	13.93	Right Tib	0	0.067	1.435	0.096	0.122	0.076		25.6		
Head	NR Band n77	100	H	0776M	1:1	0.05	3930.00	662000	CW/SRS	15.5	15.19	Right Tib	0	0.023	1.074	0.025	0.031	0.019		31.5		
Head	NR Band n77 DoD	100	H	0776M	1:1	-0.02	3500.01	633334	CW/SRS	15.5	13.93	Left Cheek	0	0.407	1.435	0.584	0.742	0.464		17.8		
Head	NR Band n77	100	H	0776M	1:1	0.06	3930.00	662000	CW/SRS	15.5	15.19	Left Cheek	0	0.271	1.074	0.291	0.370	0.237		20.8		
Head	NR Band n77 DoD	100	H	0776M	1:1	-0.10	3500.01	633334	CW/SRS	15.5	13.93	Left Tib	0	0.197	1.435	0.283	0.359	0.224		20.9		
Head	NR Band n77	100	H	0776M	1:1	0.08	3930.00	662000	CW/SRS	15.5	15.19	Left Tib	0	0.065	1.074	0.070	0.089	0.056		27.0		
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 12-166 Ant K Head

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77	100	K	0985M	1:1	0.06	3750.00	650000	CW/SRS	16.0	14.74	Right Cheek	0	0.189	1.237	0.253	0.321	0.201		21.9		
Head	NR Band n77	100	K	0985M	1:1	0.00	3930.00	662000	CW/SRS	16.0	14.91	Right Cheek	0	0.334	1.285	0.429	0.545	0.341		19.6		
Head	NR Band n77	100	K	0985M	1:1	-0.10	3750.00	650000	CW/SRS	16.0	14.74	Right Tib	0	0.199	1.237	0.266	0.338	0.211		21.7		
Head	NR Band n77	100	K	0985M	1:1	0.11	3930.00	662000	CW/SRS	16.0	14.91	Right Tib	0	0.335	1.285	0.430	0.547	0.342		19.4		
Head	NR Band n77 DoD	100	K	0985M	1:1	0.01	3500.01	633334	CW/SRS	14.5	13.34	Left Cheek	0	0.152	1.197	0.182	0.231	0.144		23.6		
Head	NR Band n77	100	K	0985M	1:1	-0.02	3750.00	650000	CW/SRS	16.0	14.74	Left Cheek	0	0.267	1.317	0.357	0.453	0.283		20.4		
Head	NR Band n77	100	K	0985M	1:1	-0.12	3930.00	662000	CW/SRS	16.0	14.91	Left Cheek	0	0.384	1.285	0.493	0.627	0.392		19.0		
Head	NR Band n77	100	K	0985M	1:1	-0.04	3750.00	650000	CW/SRS	16.0	14.74	Left Tib	0	0.209	1.317	0.279	0.355	0.222		21.5		
Head	NR Band n77	100	K	0985M	1:1	-0.08	3930.00	662000	CW/SRS	16.0	14.91	Left Tib	0	0.342	1.285	0.439	0.558	0.349		19.5		
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 12-167 Ant C Head

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]	
Head	NR Band n77	100	C	1157M	1:1	0.07	3750.00	650000	CW/SRS	14.5	13.70	Right Cheek	0	0.000	1.202	0.000	0.000	0.000		64.6	43.1	13.5	
Head	NR Band n77	100	C	1157M	1:1	0.08	3750.00	650000	CW/SRS	14.5	13.70	Right Tib	0	0.000	1.202	0.000	0.000	0.000		64.6			
Head	NR Band n77 DoD	100	C	1157M	1:1	0.05	3500.01	633334	CW/SRS	14.5	13.34	Left Cheek	0	0.013	1.306	0.017	0.022	0.014		43.1			
Head	NR Band n77	100	C	1157M	1:1	0.09	3750.00	650000	CW/SRS	14.5	13.70	Left Cheek	0	0.010	1.202	0.012	0.015	0.009		44.6			
Head	NR Band n77	100	C	1157M	1:1	-0.14	3750.00	650000	CW/SRS	14.5	13.70	Left Tib	0	0.000	1.202	0.000	0.000	0.000		64.6			
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 12-168 Ant F Open Body | Plot A66

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n77	100	QPSK	F	0779M	1:1	0.00	3750.00	650000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Top	5	0.250	1.253	0.313	0.388	0.249		23.0		
Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.03	3750.00	650000	DFT-s-OFDM	0.0	18.0	16.85	135	0	Top	5	0.283	1.303	0.304	0.386	0.241		23.1		
Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.03	3750.00	650000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Left	5	0.347	1.253	0.435	0.522	0.345		21.6		
Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.06	3930.00	662000	DFT-s-OFDM	0.0	18.0	16.91	1	1	Left	5	0.405	1.285	0.585	0.743	0.464		20.3		
Body	NR Band n77	100	QPSK	F	0779M	1:1	0.03	3750.00	650000	DFT-s-OFDM	0.0	18.0	16.85	135	0	Left	5	0.330	1.303	0.430	0.546	0.341		21.6		
Body	NR Band n77	100	QPSK	F	0779M	1:1	0.06	3930.00	662000	DFT-s-OFDM	0.0	18.0	16.61	135	0	Left	5	0.492	1.377	0.595	0.755	0.472		20.2		
Body-worn/Body	NR Band n77 DoD	100	QPSK	F	0895M	1:1	0.00	3500.01	633334	DFT-s-OFDM	0.0	18.0	17.24	1	271	Back	5	0.493	1.191	0.587	0.746	0.466		20.2		
Body-worn/Body	NR Band n77	100	QPSK	F	0895M	1:1	-0.04	3750.00	650000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Back	5	0.369	1.253	0.756	0.960	0.600	Plot	19.2	19.2	17.0
Body-worn/Body	NR Band n77	100	QPSK	F	0895M	1:1	0.05	3930.00	662000	DFT-s-OFDM	0.0	18.0	16.91	1	1	Back	5	0.246	1.285	0.316	0.403	0.251		23.0		
Body-worn/Body	NR Band n77	100	QPSK	F	0895M	1:1	-0.02	3750.00	650000	DFT-s-OFDM	0.0	18.0	16.85	135	0	Back	5	0.505	1.303	0.736	0.935	0.584		19.3		
Body-worn/Body	NR Band n77	100	QPSK	F	0895M	1:1	-0.16	3930.00	662000	DFT-s-OFDM	0.0	18.0	16.61	135	0	Back	5	0.253	1.377	0.348	0.442	0.276		22.5		
Body-worn/Body	NR Band n77	100	QPSK	F	0895M	1:1	-0.02	3750.00	650000	CP-OFDM	0.0	18.0	17.11	1	1	Back	5	0.187	1.227	0.720	0.915	0.573		19.4		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	0.05	3750.00	650000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Front	5	0.182	1.253	0.228	0.290	0.181		24.4		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.10	3750.00	650000	DFT-s-OFDM	0.0	18.0	16.85	135	0	Front	5	0.176	1.303	0.229	0.293	0.182		24.3		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-169 Ant F Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n77	100	QPSK	F	0779M	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Bottom	5	0.240	1.253	0.302	0.384	0.240		34.1		
Body	NR Band n77	100	QPSK	F	0779M	1:1	0.06	3750.00	650000	DFT-s-OFDM	0.0	18.0	16.85	135	0	Bottom	5	0.235	1.303	0.306	0.389	0.243		34.1		
Body	NR Band n77	100	QPSK	F	0779M	1:1	0.13	3750.00	650000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Left	5	0.245	1.253	0.307	0.390	0.244		34.0		
Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.14	3750.00	650000	DFT-s-OFDM	0.0	18.0	16.85	135	0	Left	5	0.253	1.303	0.304	0.386	0.241		34.1		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.13	3750.00	650000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Back	5	0.046	1.253	0.058	0.073	0.046		41.3		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.21	3750.00	650000	DFT-s-OFDM	0.0	18.0	16.85	135	0	Back	5	0.044	1.303	0.057	0.073	0.046		41.3		
Body-worn/Body	NR Band n77 DoD	100	QPSK	F	0779M	1:1	0.05	3500.01	633334	DFT-s-OFDM	0.0	18.0	17.24	1	271	Front	5	0.265	1.191	0.263	0.461	0.268		23.2		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	0.06	3750.00	650000	DFT-s-OFDM	0.0	18.0	17.02	1	1	Front	5	0.246	1.253	0.436	0.544	0.346		32.5		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.08	3930.00	662000	DFT-s-OFDM	0.0	18.0	16.91	1	1	Front	5	0.423	1.285	0.544	0.690	0.451		31.6		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	0.04	3750.00	650000	DFT-s-OFDM	0.0	18.0	16.85	135	0	Front	5	0.258	1.303	0.429	0.544	0.340		32.6		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.11	3930.00	662000	DFT-s-OFDM	0.0	18.0	16.61	135	0	Front	5	0.475	1.377	0.573	0.727	0.454		31.1		
Body-worn/Body	NR Band n77	100	QPSK	F	0779M	1:1	-0.04	3750.00	650000	CP-OFDM	0.0	18.0	17.11	1	1	Front	5	0.147	1.227	0.426	0.541	0.338		32.6		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT																		Body								
Uncontrolled Exposure/General Population																		1.6 W/kg (mW/g)		averaged over 1 gram						

Table 12-170 Ant H Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n77	100	H	1157M	1:1	0.03	3930.00	662000	CW/SRS	18.0	17.52	Top	5	0.051	1.117	0.057	0.072	0.045		41.4	29.4	17.0
Body	NR Band n77 DoD	100	H	1157M	1:1	0.04	3500.01	633334	CW/SRS	18.0	16.25	Right	5	0.001	1.496	0.899	1.142	0.714		29.4		
Body	NR Band n77	100	H	1157M	1:1	0.02	3750.00	650000	CW/SRS	18.0	16.93	Right	5	0.068	1.279	0.880	1.118	0.699		29.5		
Body	NR Band n77	100	H	1157M	1:1	0.06	3930.00	662000	CW/SRS	18.0	17.52	Right	5	0.448	1.117	0.500	0.636	0.398		31.9		
Body-worn/Body	NR Band n77	100	H	1157M	1:1	0.07	3930.00	662000	CW/SRS	18.0	17.52	Back	5	0.274	1.117	0.306	0.389	0.243		34.1		
Body-worn/Body	NR Band n77	100	H	1157M	1:1	0.18	3930.00	662000	CW/SRS	18.0	17.52	Front	5	0.172	1.117	0.192	0.244	0.153		36.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 12-171 Ant H Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n77	100	H	0779M	1:1	0.04	3930.00	662000	CW/SRS	18.0	17.52	Bottom	5	0.058	1.117	0.065	0.082	0.051		29.8		
Body	NR Band n77 DoD	100	H	0779M	1:1	0.07	3500.01	633334	CW/SRS	18.0	16.25	Right	5	0.603	1.496	0.902	1.146	0.716		18.4		
Body	NR Band n77	100	H	0779M	1:1	-0.05	3750.00	650000	CW/SRS	18.0	16.93	Right	5	0.660	1.279	0.844	1.072	0.670		18.7		
Body	NR Band n77	100	H	0779M	1:1	-0.06	3930.00	662000	CW/SRS	18.0	17.52	Right	5	0.621	1.117	0.694	0.881	0.551		19.5		
Body-worn/Body	NR Band n77	100	H	0779M	1:1	0.01	3930.00	662000	CW/SRS	18.0	17.52	Back	5	0.015	1.117	0.017	0.021	0.013		35.7		
Body-worn/Body	NR Band n77	100	H	0779M	1:1	-0.10	3930.00	662000	CW/SRS	18.0	17.52	Front	5	0.340	1.117	0.380	0.482	0.303		22.2		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 12-172 Ant K Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	NR Band n77 DoD	100	K	0895M	1:1	-0.07	3500.01	633334	CW/SRS	19.0	18.29	Top	5	0.100	1.178	0.118	0.150	0.094		28.2		
Body	NR Band n77	100	K	0895M	1:1	0.00	3750.00	650000	CW/SRS	19.0	17.77	Top	5	0.241	1.327	0.320	0.406	0.254		23.9		
Body	NR Band n77	100	K	0895M	1:1	-0.11	3930.00	662000	CW/SRS	19.0	18.10	Top	5	0.509	1.230	0.626	0.795	0.497		21.0		
Body	NR Band n77	100	K	0895M	1:1	-0.02	3930.00	662000	CW/SRS	19.0	18.10	Right	5	0.030	1.230	0.037	0.047	0.029		33.3		
Body-worn/Body	NR Band n77	100	K	0895M	1:1	0.03	3750.00	650000	CW/SRS	19.0	17.77	Back	5	0.329	1.327	0.437	0.554	0.346		22.5		
Body-worn/Body	NR Band n77	100	K	0895M	1:1	-0.14	3930.00	662000	CW/SRS	19.0	18.10	Back	5	0.420	1.230	0.517	0.656	0.410		21.8		
Body-worn/Body	NR Band n77	100	K	0895M	1:1	0.01	3750.00	650000	CW/SRS	19.0	17.77	Front	5	0.238	1.327	0.316	0.401	0.251		24.0		
Body-worn/Body	NR Band n77	100	K	0895M	1:1	-0.11	3930.00	662000	CW/SRS	19.0	18.10	Front	5	0.386	1.230	0.475	0.603	0.377		22.2		
ANSI/IEEE C63.1 1997 - SAFETY LIMIT																						
Spatial Peak														Body								
Uncontrolled Exposure/General Population														1.6 W/kg (mW/g) averaged over 1.0 gm								

Table 12-173 Ant K Closed Body

[illegible]

Table 12-174 Ant C Open Body | Plot A67

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio [(y/g) SAR]	Pict #	Limit [dBm]	Overall P[dBm]	EFS Limit[dBm]
Body	NR Band n7f Dcd	100	C	089SM	1-1	-0.13	3500.01	633334	CW/SRS	17.5	17.08	Bottom	S	0.074	1.102	0.082	0.104	0.065		28.3		
Body	NR Band n7f	100	C	115TM	1-1	0.00	3750.00	650000	CW/SRS	17.5	17.48	Bottom	S	0.025	1.002	0.025	0.032	0.020		23.5		
Body	NR Band n7f Dcd	100	C	089SM	1-1	-0.02	3500.01	633334	CW/SRS	17.5	17.08	Left	S	0.727	1.102	0.801	1.017	0.636	Pict	18.4		
Body	NR Band n7f	100	C	089SM	1-1	-0.03	3750.00	650000	CW/SRS	17.5	17.48	Left	S	0.637	1.005	0.640	0.813	0.508		19.4		
Body	NR Band n7f Dcd	100	C	089SM	1-1	-0.07	3930.00	662000	CW/SRS	17.5	17.16	Left	S	0.333	1.081	0.360	0.457	0.286		21.9		
Body-worn/Body	NR band n7f	100	C	089SM	1-1	0.01	3500.01	633334	CW/SRS	17.5	17.08	Back	S	0.531	1.002	0.585	0.743	0.484		19.4		
Body-worn/Body	NR band n7f	100	C	089SM	1-1	0.00	3750.00	650000	CW/SRS	17.5	17.48	Back	S	0.343	1.002	0.435	0.575	0.275		21.9		
Body-worn/Body	NR Band n7f Dcd	100	C	089SM	1-1	-0.01	3500.01	633334	CW/SRS	17.5	17.08	Front	S	0.336	1.102	0.370	0.470	0.294		21.8		
Body-worn/Body	NR Band n7f	100	C	115TM	1-1	-0.08	3750.00	650000	CW/SRS	17.5	17.08	Front	S	0.144	1.005	0.145	0.180	0.115		25.8		
ANSI/IEEE C95.1 - 1992 - SAFETY LIMIT Spatial Peak																Body averaged over 1 gram						
Uncontrolled Exposure / General Population																						

Table 12-175 Ant C Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	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]	Exposure Ratio (1g SAR)	Plot #	PLimit [dBm]	Overall PLimit [dBm]	EFS PLimit [dBm]
Body	NR Band n77 DoD	100	C	0895M	1:1	0.20	3500.01	633334	CW/SRS	17.5	17.08	Top	5	0.070	1.102	0.077	0.098	0.061		28.6		
Body	NR Band n77	100	C	1157M	1:1	0.06	3750.00	650000	CW/SRS	17.5	17.48	Top	5	0.003	1.005	0.003	0.004	0.003		42.7		
Body	NR Band n77 DoD	100	C	0895M	1:1	0.05	3500.01	633334	CW/SRS	17.5	17.08	Bottom	5	0.044	1.102	0.040	0.050	0.039		30.6		
Body	NR Band n77	100	C	1157M	1:1	0.09	3750.00	650000	CW/SRS	17.5	17.48	Bottom	5	0.050	1.205	0.050	0.064	0.040		40.4		
Body	NR Band n77 DoD	100	C	0895M	1:1	-0.04	3500.01	633334	CW/SRS	17.5	17.08	Left	5	0.619	1.102	0.682	0.866	0.541		19.1		
Body	NR Band n77	100	C	0895M	1:1	-0.08	3750.00	650000	CW/SRS	17.5	17.48	Left	5	0.365	1.005	0.367	0.466	0.291		21.8	19.1	16.5
Body	NR Band n77	100	C	0895M	1:1	0.08	3930.00	662000	CW/SRS	17.5	17.16	Left	5	0.279	1.081	0.302	0.383	0.239		22.7		
Body-worn/Body	NR Band n77 DoD	100	C	0895M	1:1	0.05	3500.01	633334	CW/SRS	17.5	17.08	Back	5	1.102	0.341	0.435	0.475	0.272		22.1		
Body-worn/Body	NR Band n77	100	C	0895M	1:1	0.18	3750.00	650000	CW/SRS	17.5	17.48	Back	5	0.260	1.005	0.261	0.332	0.208		22.3		
Body-worn/Body	NR Band n77 DoD	100	C	0895M	1:1	0.07	3500.01	633334	CW/SRS	17.5	17.08	Front	5	0.104	1.102	0.115	0.146	0.091		26.9		
Body-worn/Body	NR Band n77	100	C	1157M	1:1	-0.04	3750.00	650000	CW/SRS	17.5	17.48	Front	5	0.017	1.005	0.017	0.022	0.014		35.1		

ANSI/IEEE C95.1-1992 - SAFETY LIMIT
Spatial Peak
Uncontrolled Exposure/General Population

Body
1.6 W/kg (nW/g)
averaged over 1 gram

12.30 NTN Band 255 Standalone SAR

Table 12-176 Ant M Open Body | Plot A68, A69

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Tone	Tone Start	Test Position	Spacing [mm]	Measured Ig SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	SAR Reported W/(kg)	Exposure Rate [µSAR/h]	Pilot #	Fimit [dBm]	Overall Pilm [dBm]	EFS Limit [dBm]
Body	NTH Band 255	OQSK	M	0359M	100.00	-0.01	1626.60	261505	23.0	23.51	1	G	Top	5	1.090	1.119	0.710	0.866	0.541		22.3		
Body	NTH Band 255	OQSK	M	0359M	100.00	0.02	1643.50	261674	23.0	22.34	1	G	Top	5	1.240	1.164	0.710	1.025	0.541	Pict	21.4		
Body	NTH Band 255	OQSK	M	0359M	100.00	0.00	1643.50	261674	23.0	22.31	1	G	Top	5	1.130	1.164	0.710	1.000	0.625		21.5		
Body	NTH Band 255	OQSK	M	0359M	100.00	0.00	1660.40	261843	23.0	22.95	1	G	Top	5	1.210	1.012	0.710	0.884	0.553		22.0	21.4	20.5
Body	NTH Band 255	OQSK	M	0359M	100.00	0.00	1660.40	261843	23.0	22.95	1	G	Left	5	0.921	1.012	0.710	0.159	0.099		29.1		
Body-worn/Body	NTH Band 255	OQSK	M	0359M	100.00	0.00	1660.40	261843	23.0	22.95	1	G	Back	5	0.878	1.012	0.710	0.159	0.099	Pict	26.6		
Body-worn/Body	NTH Band 255	OQSK	M	0359M	100.00	0.02	1660.40	261843	23.0	22.95	1	G	Front	5	0.278	1.012	0.710	0.272	0.170		27.1		
ANSI/IEEE C95.3-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure General Population																					Body 1.6 W/kg (in Wig) averaged over 1 g/m ³		

Note: Blue entry represents variability measurement

12.31 2.4 GHz WIFI SISO Standalone SAR

Table 12-177 Ant G Head | Plot A70

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power DfB [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Pilot #	Overall Pilot [dBm]	EPS [dBm]
Head	2.4 GHz WiFi / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.03	2472.00	1	1.0	18.5	-18.48	Right Cheek	0	0.938	1.009	1.012	0.958	1.216	0.760		29.6	
Head	2.4 GHz WiFi / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.15	2473.00	6	1.0	18.5	-17.95	Right Cheek	0	0.910	1.135	1.012	1.051	1.327	0.809	29.3		
Head	2.4 GHz WiFi / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.14	2462.00	11	1.0	18.5	-18.16	Right Cheek	0	0.942	1.081	1.012	1.033	1.299	0.818	Pilot 29.3		
Head	2.4 GHz WiFi / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.05	2472.00	1	1.0	18.5	-18.48	Right Tib	0	0.899	1.009	1.012	0.918	1.166	0.729	29.8		
Head	2.4 GHz WiFi / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.04	2473.00	6	1.0	18.5	-17.95	Right Tib	0	0.900	1.135	1.012	1.034	1.313	0.821	29.3		
Head	2.4 GHz WiFi / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.19	2462.00	11	1.0	18.5	-18.16	Left Cheek	0	0.935	1.081	1.012	1.023	1.299	0.812	29.4		
Head	2.4 GHz WiFi / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.09	2461.00	14	1.0	18.5	-18.48	Left Tib	0	0.889	1.009	1.012	0.849	1.071	0.632	29.8		
Head	2.4 GHz WiFi / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.05	2472.00	1	1.0	18.5	-18.48	Left Tib	0	0.865	1.009	1.012	0.734	0.945	0.297	33.7		
ANSI/IEEE C63.1-1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram							

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Table 12-178 Ant C Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Head	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0643M	98.85	0.03	2412.00	1	1.0	18.5	18.49	Right Cheek	0	0.031	1.002	1.012	0.031	0.040	0.025		13.5		
Head	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0643M	98.85	0.03	2412.00	1	1.0	18.5	18.49	Right Tib	0	0.008	1.002	1.012	0.008	0.010	0.006		19.4		
Head	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0643M	98.85	0.14	2412.00	1	1.0	18.5	18.49	Left Cheek	0	0.062	1.002	1.012	0.063	0.106	0.066		29.3		
Head	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0643M	98.85	0.01	2412.00	1	1.0	18.5	18.49	Left Tib	0	0.019	1.002	1.012	0.019	0.024	0.015		15.6		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-179 Ant G Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	G	0872M	98.86	-0.04	2462.00	11	1.0	20.0	19.99	Top	5	0.706	1.002	1.012	0.716	0.989	0.618		21.4		
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	G	0872M	98.86	0.00	2462.00	11	1.0	20.0	19.99	Left	5	0.259	1.002	1.012	0.242	0.335	0.209		26.1		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	G	0872M	98.86	-0.03	2462.00	11	1.0	20.0	19.99	Back	5	0.532	1.002	1.012	0.539	0.745	0.446		23.6		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	G	0872M	98.86	-0.02	2462.00	11	1.0	20.0	19.99	Front	5	0.576	1.002	1.012	0.586	0.810	0.506		22.3		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-180 Ant G Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	G	0643M	98.86	0.02	2412.00	1	1.0	18.0	17.97	Bottom	5	0.218	1.007	1.002	0.217	0.276	0.173		26.6		
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	G	0643M	98.86	0.03	2412.00	1	1.0	18.0	17.97	Left	5	0.172	1.007	1.002	0.175	0.223	0.139		26.5		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.05	2412.00	1	1.0	18.0	17.97	Back	5	0.108	1.007	1.002	0.110	0.140	0.088		18.5		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	G	0643M	98.86	-0.02	2412.00	1	1.0	18.0	17.97	Front	5	0.099	1.007	1.002	0.101	0.128	0.080		18.9		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-181 Ant C Open Body | Plot A71, A72

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0823M	98.85	-0.01	2412.00	1	1.0	20.0	19.99	Bottom	5	0.117	1.002	1.012	0.119	0.119	0.074		29.2		
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0823M	98.85	0.03	2412.00	1	1.0	20.0	19.99	Left	5	0.940	1.002	1.012	0.953	0.953	0.596		20.2		
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0823M	98.85	-0.05	2417.00	6	1.0	20.0	19.63	Left	5	0.960	1.089	1.012	1.058	1.058	0.661		19.7		
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0823M	98.85	-0.06	2462.00	11	1.0	20.0	19.97	Left	5	0.919	1.007	1.012	0.952	0.952	0.620	Plot	20.0		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0823M	98.85	-0.03	2412.00	1	1.0	20.0	19.99	Back	5	0.726	1.002	1.012	0.736	0.736	0.460	Plot	21.3		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0823M	98.85	-0.03	2412.00	1	1.0	20.0	19.99	Front	5	0.520	1.002	1.012	0.527	0.527	0.329		22.7		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-182 Ant C Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Limit [dBm]	Overall Limit [dBm]	EPS Limit [dBm]
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0643M	98.85	-0.05	2412.00	1	1.0	18.0	17.99	Bottom	5	0.087	1.002	1.002	0.088	0.112	0.070		19.5		
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0643M	98.85	0.02	2412.00	1	1.0	18.0	17.99	Left	5	0.496	1.002	1.002	0.503	0.639	0.399		19.9		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0643M	98.85	0.02	2412.00	1	1.0	18.0	17.99	Back	5	0.377	1.002	1.002	0.382	0.486	0.304		18.1		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	C	0643M	98.85	-0.01	2412.00	1	1.0	18.0	17.99	Front	5	0.051	1.002	1.002	0.051	0.040	0.025		18.9		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

12.32 2.4 GHz WIFI MIMO Standalone SAR

Table 12-183 Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	MIMO Ant G Limit [dBm]	MIMO Ant C Limit [dBm]	MIMO Ant G EPS Limit [dBm]	MIMO Ant C EPS Limit [dBm]
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	MIMO	1109M	98.84	0.01	2412.00	1	1.0	18.0	17.95	18.0	17.98	Top	5	0.013	1.012	1.012	0.013	0.017	0.011		36.7	36.7		
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	MIMO	1109M	98.84	-0.14	2412.00	1	1.0	18.0	17.95	18.0	17.99	Bottom	5	0.565	1.012	1.012	0.579	0.735	0.459		26.3	26.4		
Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	MIMO	1109M	98.84	-0.08	2412.00	1	1.0	18.0	17.95	18.0	17.99	Left	5	0.415	1.012	1.012	0.425	0.540	0.338		21.7	21.7		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	MIMO	1109M	98.84	0.12	2412.00	1	1.0	18.0	17.95	18.0	17.98	Back	5	0.199	1.012	1.012	0.247	0.441	0.276		22.5	22.6		
Body worn/Body	2.4 GHz WIFU / IEEE 802.11b	22	DSSS	MIMO	1109M	98.84	-0.08	2412.00	1	1.0	18.0	17.95	18.0	17.99	Front	5	0.444	1.012	1.012	0.455	0.577	0.361		21.4	21.4		
ANSI/IEEE C63.1 1992 - SAFETY LIMIT													Body														
Spatial Peak													1.6 W/kg (mW/g)														
Uncontrolled Exposure/General Population													averaged over 1 gram														

Note: To achieve the 21 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 15 dBm.

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12.33 5 GHz WIFI SISO Standalone SAR

Table 12-184 Ant F Head | Plot A73

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.20	5290.00	58	U-NII-2A	29.3	16.0	15.37	Right Cheek	0	0.273	1.029	1.043	0.341	0.434	0.271		206		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.08	5690.00	138	U-NII-2C	29.3	16.0	14.92	Right Cheek	0	0.440	1.282	1.043	0.588	0.747	0.467		183		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.01	5775.00	171	U-NII-3	29.3	16.0	15.62	Right Cheek	0	0.663	1.901	1.043	0.754	0.958	0.599		172		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.08	5853.00	155	U-NII-2C	29.3	16.0	15.72	Right Cheek	0	0.771	1.967	1.043	0.838	0.810	0.596		200		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.02	5290.00	58	U-NII-2A	29.3	16.0	15.37	Right TB	0	0.217	1.029	1.043	0.391	0.497	0.231		207		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.13	5690.00	138	U-NII-2C	29.3	16.0	14.92	Right TB	0	0.423	1.282	1.043	0.566	0.718	0.449		184		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.04	5775.00	155	U-NII-3	29.3	16.0	15.62	Right TB	0	0.488	1.091	1.043	0.665	1.225	0.766	Plot	161		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.09	5775.00	155	U-NII-3	29.3	16.0	15.72	Right TB	0	0.614	1.064	1.043	0.656	1.252	0.795		167		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.10	5853.00	171	U-NII-4	29.3	16.0	15.72	Right TB	0	0.769	1.067	1.043	0.856	1.087	0.679		166		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.19	5290.00	58	U-NII-2A	29.3	16.0	15.21	Left Cheek	0	0.102	1.199	1.043	0.128	0.162	0.101		240		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.15	5690.00	138	U-NII-2C	29.3	16.0	14.92	Left Cheek	0	0.211	1.282	1.043	0.309	0.392	0.245		211		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.01	5775.00	155	U-NII-3	29.3	16.0	15.62	Left Cheek	0	0.236	1.091	1.043	0.269	0.341	0.213		217		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.01	5853.00	171	U-NII-4	29.3	16.0	15.72	Left Cheek	0	0.208	1.067	1.043	0.231	0.294	0.164		223		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.04	5290.00	58	U-NII-2A	29.3	16.0	15.21	Left TB	0	0.125	1.199	1.043	0.156	0.199	0.124		240		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.06	5690.00	138	U-NII-2C	29.3	16.0	14.92	Left TB	0	0.265	1.282	1.043	0.354	0.450	0.281		205		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.07	5775.00	155	U-NII-3	29.3	16.0	15.62	Left TB	0	0.289	1.091	1.043	0.306	0.389	0.243		211		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.05	5853.00	171	U-NII-4	29.3	16.0	15.72	Left TB	0	0.248	1.067	1.043	0.277	0.352	0.220		215		
ANC/IEEE C95.3 (F2) - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram									

Note: Blue entry represents variability measurement

Table 12-185 Ant I Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.09	5290.00	58	U-NII-2A	29.3	16.0	15.35	Right Cheek	0	0.085	1.040	1.043	0.089	0.119	0.071		265		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.19	5330.00	106	U-NII-2C	29.3	16.0	15.71	Right Cheek	0	0.250	1.069	1.043	0.326	0.413	0.258		208		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.04	5775.00	155	U-NII-3	29.3	16.0	15.78	Right Cheek	0	0.337	1.052	1.043	0.370	0.470	0.294		203		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.13	5853.00	171	U-NII-4	29.3	16.0	15.73	Right Cheek	0	0.307	1.064	1.043	0.341	0.431	0.271		206		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.07	5290.00	58	U-NII-2A	29.3	16.0	15.35	Right TB	0	0.018	1.040	1.043	0.020	0.025	0.018		33.0		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.09	5430.00	106	U-NII-2C	29.3	16.0	15.78	Right TB	0	0.089	1.069	1.043	0.095	0.099	0.043		284		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.08	5775.00	155	U-NII-3	29.3	16.0	15.78	Right TB	0	0.015	1.052	1.043	0.016	0.021	0.013		33.8		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.01	5853.00	171	U-NII-4	29.3	16.0	15.73	Right TB	0	0.032	1.064	1.043	0.036	0.045	0.028		30.4		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.09	5290.00	58	U-NII-2A	29.3	16.0	15.35	Left Cheek	0	0.396	1.040	1.043	0.430	0.546	0.341		196		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.03	5330.00	106	U-NII-2C	29.3	16.0	15.71	Left Cheek	0	0.746	1.069	1.043	0.832	1.046	0.660		167		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.08	5610.00	122	U-NII-3	29.3	16.0	15.84	Left Cheek	0	0.614	1.064	1.043	0.819	1.066	0.660		167		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.05	5690.00	138	U-NII-2C	29.3	16.0	15.41	Left Cheek	0	0.693	1.146	1.043	0.828	1.052	0.658		168		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.01	5775.00	155	U-NII-3	29.3	16.0	15.78	Left Cheek	0	0.556	1.052	1.043	0.610	0.775	0.484		181		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.03	5853.00	171	U-NII-4	29.3	16.0	15.73	Left Cheek	0	0.800	1.064	1.043	0.888	1.128	0.705		165		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.06	5690.00	138	U-NII-2C	29.3	16.0	15.41	Left TB	0	0.027	1.040	1.043	0.029	0.037	0.023		32.3		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.10	5330.00	106	U-NII-2C	29.3	16.0	15.71	Left TB	0	0.080	1.069	1.043	0.089	0.113	0.073		26.4		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.06	5775.00	155	U-NII-3	29.3	16.0	15.78	Left TB	0	0.109	1.052	1.043	0.120	0.152	0.095		25.2		
Head	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.07	5853.00	171	U-NII-4	29.3	16.0	15.73	Left TB	0	0.110	1.064	1.043	0.122	0.155	0.097		25.1		
ANC/IEEE C95.3 (F2) - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram									

Table 12-186 Ant F Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]	
Body	5 GHz WiFi / IEEE 802.11n	40	OFDM	F	0869M	96.24	-0.15	5230.00	46	U-NII-1	13.5	18.0	16.68	Top	5	0.307	1.355	1.039	0.432	0.432	0.270		21.6			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.10	5290.00	58	U-NII-2A	29.3	18.0	16.94	Top	5	0.263	1.276	1.043	0.347	0.347	0.217		22.5			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.05	5690.00	138	U-NII-2C	29.3	18.0	16.72	Top	5	0.242	1.343	1.043	0.367	0.367	0.229		22.1			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.12	5775.00	155	U-NII-3	29.3	18.0	17.44	Top	5	0.293	1.138	1.043	0.348	0.348	0.218		22.5			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.02	5853.00	171	U-NII-4	29.3	18.0	17.56	Top	5	0.377	1.107	1.043	0.435	0.435	0.272		21.6			
Body	5 GHz WiFi / IEEE 802.11n	40	OFDM	F	0869M	96.24	-0.15	5190.00	46	U-NII-1	13.5	15.0	13.40	Left	5	0.483	1.445	1.039	0.725	0.731	0.844		16.3			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	96.24	0.03	5230.00	46	U-NII-1	13.5	18.0	16.68	Left	5	0.717	1.355	1.039	1.009	1.009	0.631		17.9			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.02	5290.00	58	U-NII-2A	29.3	18.0	16.94	Left	5	0.276	1.276	1.043	0.463	0.463	0.427		18.5			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.01	5330.00	106	U-NII-2C	29.3	18.0	16.44	Left	5	0.530	1.432	1.043	0.792	0.792	0.495		19.0			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.05	5610.00	122	U-NII-3	29.3	18.0	16.59	Left	5	0.601	1.384	1.043	0.868	0.868	0.549		18.6			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	1045M	95.86	-0.05	5690.00	138	U-NII-2C	29.3	18.0	16.72	Left	5	0.763	1.343	1.043	1.069	1.069	0.688		17.7			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.09	5775.00	155	U-NII-3	29.3	18.0	17.44	Left	5	0.546	1.138	1.043	0.652	0.652	0.468		19.8			
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.19	5853.00	171	U-NII-4	29.3	18.0	17.56	Left	5	0.603	1.107	1.043	0.656	0.656	0.435		19.5			
Body-worn/body	5 GHz WiFi / IEEE 802.11n	40	OFDM	F	0869M	96.24	-0.15	5190.00	46	U-NII-1	13.5	15.0	13.40	Back	5	0.483	1.445	1.039	0.624	0.624	0.790		17.7		17.7	
Body-worn/body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.12	5290.00	58	U-NII-2A	29.3	18.0	16.94	Back	5	0.249	1.276	1.043	0.571	0.571	0.357		20.4			
Body-worn/body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.06	5690.00	138	U-NII-2C	29.3	18.0	16.72	Back	5	0.494	1.343	1.043	0.678	0.678	0.424		19.6			
Body-worn/body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.13	5775.00	155	U-NII-3	29.3	18.0	17.44	Back	5	0.500	1.138	1.043	0.593	0.593	0.371		20.2			
Body-worn/body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.08	5853.00	171	U-NII-4	29.3	18.0	17.56	Back	5	0.507	1.107	1.043	0.595	0.595	0.366		20.2			
Body-worn/body	5 GHz WiFi / IEEE 802.11n	40	OFDM	F	0869M	96.24	-0.07	5230.00	46	U-NII-1	13.5	18.0	16.68	Front	5	0.725	1.355	1.039	0.917	0.917	0.198		22.9			
Body-worn/body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	-0.03	5290.00	58	U-NII-2A	29.3	18.0	16.94	Front	5	0.201	1.276	1.043	0.268	0.268	0.168		23.7			
Body-worn/body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.08	5690.00	138	U-NII-2C	29.3	18.0	16.72	Front	5	0.316	1.343	1.043	0.291	0.291	0.208		23.8			
Body-worn/body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.06	5775.00	155	U-NII-3	29.3	18.0	17.44	Front	5	0.245	1.138	1.043	0.281	0.281	0.182		23.3			
Body-worn/body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	F	0823M	95.86	0.50	5853.00	171	U-NII-4	29.3	18.0	17.56	Front	5	0.301	1.107	1.043	0.348	0.348	0.218		22.5			
Annotated Diagram: SRS1 - SAFETY LIM.																							Body			
Unlabeled Diagram: General Population																							1.6 W/kg (mW/g)			

Table 12-188 Ant I Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured Ig SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported Ig SAR [W/kg]	Adjusted Ig SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	PLimit [dBm]	Overall PLimit [dBm]	EFS PLimit [dBm]
Body	5 GHz WiFi / IEEE 802.11n	40	OFDM	I	0809M	96.43	0.02	5200.00	46	U-NI-1	13.5	18.0	16.27	Top	5	0.012	1.489	1.037	0.019	0.021	0.013			35.3	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.02	5200.00	58	U-NI-2A	29.3	18.0	16.19	Top	5	0.012	1.549	1.043	0.019	0.022	0.014			35.3	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.05	5600.00	155	U-NI-3C	29.3	18.0	16.16	Top	5	0.008	1.353	1.043	0.046	0.063	0.033			35.3	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.04	5775.00	155	U-NI-3	29.3	18.0	16.11	Top	5	0.000	1.545	1.043	0.032	0.037	0.023			32.9	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.03	5855.00	171	U-NI-4	29.3	18.0	16.08	Top	5	0.017	1.355	1.043	0.024	0.028	0.018			34.1	
	5 GHz WiFi / IEEE 802.11ac	40	OFDM	I	0809M	96.43	0.02	5200.00	46	U-NI-1	13.5	18.0	16.27	Right	5	0.126	1.489	1.037	0.198	0.222	0.142			16.0	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.03	5200.00	58	U-NI-2A	29.3	18.0	16.10	Right	5	0.127	1.549	1.043	0.205	0.236	0.148			24.8	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.15	5550.00	106	U-NI-2C	29.3	18.0	16.08	Right	5	0.475	1.556	1.043	0.771	0.885	0.553			19.1	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.05	5600.00	122	U-NI-2C	29.3	18.0	16.03	Right	5	0.329	1.574	1.043	0.368	0.397	0.232			18.6	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.11	5600.00	138	U-NI-2C	29.3	18.0	16.15	Right	5	0.520	1.531	1.043	0.830	0.953	0.596			18.8	
Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.05	5775.00	155	U-NI-3	29.3	18.0	16.11	Right	5	0.507	1.545	1.043	0.817	0.938	0.586			18.6	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.03	5855.00	171	U-NI-4	29.3	18.0	16.08	Right	5	0.500	1.355	1.043	0.907	0.811	0.507			19.3	
	5 GHz WiFi / IEEE 802.11n	40	OFDM	I	0809M	96.43	-0.18	5200.00	46	U-NI-1	13.5	18.0	16.27	Back	5	0.076	1.489	1.037	0.117	0.135	0.084			27.3	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.08	5200.00	58	U-NI-2A	29.3	18.0	16.16	Back	5	0.024	1.549	1.043	0.120	0.137	0.090			27.2	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.07	5600.00	138	U-NI-2C	29.3	18.0	16.15	Back	5	0.227	1.531	1.043	0.362	0.416	0.260			22.4	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.02	5775.00	155	U-NI-3	29.3	18.0	16.11	Back	5	0.162	1.545	1.043	0.261	0.300	0.188			23.8	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.06	5855.00	171	U-NI-4	29.3	18.0	16.08	Back	5	0.148	1.353	1.043	0.209	0.240	0.150			24.7	
	5 GHz WiFi / IEEE 802.11n	40	OFDM	I	0809M	96.43	0.05	5200.00	46	U-NI-1	13.5	18.0	16.27	Front	5	0.172	1.489	1.037	0.266	0.305	0.193			23.7	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.15	5200.00	58	U-NI-2A	29.3	18.0	16.10	Front	5	0.157	1.549	1.043	0.254	0.291	0.182			23.9	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.05	5600.00	138	U-NI-2C	29.3	18.0	16.15	Front	5	0.346	1.531	1.043	0.551	0.633	0.398			20.6	
Body worn/Body	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.08	5775.00	155	U-NI-3	29.3	18.0	16.11	Front	5	0.373	1.545	1.043	0.601	0.680	0.431			20.2	
	5 GHz WiFi / IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.00	5855.00	171	U-NI-4	29.3	18.0	16.08	Front	5	0.347	1.355	1.043	0.490	0.563	0.352			21.0	
	Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-189 Ant I Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured Ig SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported Ig SAR [W/kg]	Adjusted Ig SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	PLimit [dBm]	Overall PLimit [dBm]	EFS PLimit [dBm]
Body	5 GHz WiFi IEEE 802.11n	40	OFDM	I	0809M	96.43	0.02	5200.00	46	U-NI-1	13.5	18.0	16.27	Top	5	0.002	1.489	1.037	0.003	0.003	0.002			43.1	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.03	5200.00	58	U-NI-2A	29.3	18.0	16.10	Top	5	0.000	1.549	1.043	0.000	0.000	0.000			55.9	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.06	5600.00	138	U-NI-2C	29.3	18.0	16.15	Top	5	0.004	1.521	1.043	0.010	0.010	0.004			27.9	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.08	5775.00	155	U-NI-3	29.3	18.0	16.11	Top	5	0.003	1.545	1.043	0.015	0.015	0.005			27.2	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.08	5855.00	171	U-NI-4	29.3	18.0	16.08	Top	5	0.001	1.355	1.043	0.006	0.006	0.004			28.6	
Body	5 GHz WiFi IEEE 802.11n	40	OFDM	I	0809M	96.43	0.08	5200.00	46	U-NI-1	13.5	18.0	16.27	Bottom	5	0.009	1.489	1.037	0.014	0.014	0.009			36.5	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.02	5200.00	58	U-NI-2A	29.3	18.0	16.10	Bottom	5	0.014	1.549	1.043	0.023	0.023	0.014			34.4	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.16	5600.00	138	U-NI-2C	29.3	18.0	16.15	Bottom	5	0.046	1.531	1.043	0.073	0.073	0.046			29.3	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.04	5775.00	155	U-NI-3	29.3	18.0	16.11	Bottom	5	0.027	1.545	1.043	0.060	0.060	0.038			30.2	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.05	5855.00	171	U-NI-4	29.3	18.0	16.08	Bottom	5	0.053	1.355	1.043	0.075	0.075	0.047			29.2	
Body	5 GHz WiFi IEEE 802.11n	40	OFDM	I	0809M	96.43	0.16	5200.00	46	U-NI-1	13.5	18.0	16.27	Right	5	0.131	1.489	1.037	0.202	0.202	0.126			24.9	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.01	5200.00	58	U-NI-2A	29.3	18.0	16.10	Right	5	0.092	1.549	1.043	0.149	0.149	0.093			26.2	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0809M	95.86	-0.07	5300.00	106	U-NI-2C	29.3	18.0	16.08	Right	5	0.416	1.556	1.043	0.740	0.740	0.462			19.3	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0809M	95.86	0.06	5610.00	122	U-NI-2C	29.3	18.0	16.03	Right	5	0.630	1.524	1.043	1.067	1.067	0.667			17.7	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.08	5600.00	138	U-NI-2C	29.3	18.0	16.15	Right	5	0.629	1.531	1.043	1.004	1.004	0.628			17.9	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.10	5775.00	155	U-NI-3	29.3	18.0	16.11	Right	5	0.620	1.545	1.043	0.999	0.999	0.624			18.0	
Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.04	5855.00	171	U-NI-4	29.3	18.0	16.08	Right	5	0.636	1.355	1.043	1.167	1.167	0.725			17.3	
Body worn/Body	5 GHz WiFi IEEE 802.11n	40	OFDM	I	0809M	96.43	0.01	5200.00	46	U-NI-1	13.5	18.0	16.27	Back	5	0.006	1.489	1.037	0.012	0.012	0.006			37.0	
Body worn/Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.07	5200.00	58	U-NI-2A	29.3	18.0	16.10	Back	5	0.009	1.549	1.043	0.015	0.015	0.009			38.3	
Body worn/Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.06	5600.00	138	U-NI-2C	29.3	18.0	16.15	Back	5	0.055	1.531	1.043	0.088	0.088	0.055			28.5	
Body worn/Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.06	5775.00	155	U-NI-3	29.3	18.0	16.11	Back	5	0.072	1.545	1.043	0.116	0.116	0.073			27.3	
Body worn/Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.09	5855.00	171	U-NI-4	29.3	18.0	16.08	Back	5	0.084	1.355	1.043	0.119	0.119	0.074			27.2	
Body worn/Body	5 GHz WiFi IEEE 802.11n	40	OFDM	I	0809M	96.43	0.11	5200.00	46	U-NI-1	13.5	18.0	16.27	Front	5	0.044	1.489	1.037	0.068	0.068	0.044			26.4	
Body worn/Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.06	5200.00	58	U-NI-2A	29.3	18.0	16.10	Front	5	0.026	1.549	1.043	0.042	0.042	0.026			31.7	
Body worn/Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.08	5600.00	138	U-NI-2C	29.3	18.0	16.15	Front	5	0.198	1.531	1.043	0.316	0.316	0.198			22.9	
Body worn/Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	0.06	5775.00	155	U-NI-3	29.3	18.0	16.11	Front	5	0.183	1.545	1.043	0.295	0.295	0.184			23.3	
Body worn/Body	5 GHz WiFi IEEE 802.11ac	80	OFDM	I	0823M	95.86	-0.08	5855.00	171	U-NI-4	29.3	18.0	16.08	Front	5	0.190	1.355	1.043	0.269	0.269	0.186			23.4	
Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram									

12.34 5 GHz WIFI MIMO Standalone SAR



Table 12-191 MIMO Open Body | Plot A74, A75

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Dens [dBm]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Pilot [dBm]	Overall Pilot [dBm]	EFS Pilot [dBm]
Body	5 GHz WIF/ IEEE 802.11ac	40	OFDM	MIMO	0823M	94.84	-0.04	5230.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Top	5	0.313	1.493	1.054	0.493	0.493	0.308		21.0	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.11	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.01	Top	5	0.287	1.581	1.084	0.492	0.492	0.308		21.0	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.02	5690.00	48	U-NI-2C	58.5	18.0	17.18	18.0	16.97	Top	5	0.277	1.570	1.084	0.471	0.471	0.294		21.2	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.04	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Top	5	0.495	1.570	1.084	0.689	0.689	0.431		19.6	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.02	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Top	5	0.386	1.225	1.084	0.513	0.513	0.321		20.9	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	40	OFDM	MIMO	0823M	94.84	-0.08	5230.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Right	5	0.315	1.493	1.054	0.508	0.508	0.308		24.2	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.30	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Right	5	0.146	1.581	1.084	0.250	0.250	0.136		24.0	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.02	6060.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Right	5	0.409	1.570	1.084	0.686	0.686	0.429		19.6	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.17	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Right	5	0.380	1.225	1.084	0.478	0.478	0.299		21.2	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	94.84	-0.08	5190.00	38	U-NI-1	27.0	15.0	13.40	15.0	13.40	Left	5	0.402	1.445	1.054	0.612	0.612	0.361		17.1	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	40	OFDM	MIMO	0823M	94.84	-0.03	5230.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Left	5	0.146	1.493	1.054	0.172	0.172	0.130		17.3	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.03	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Left	5	0.594	1.581	1.084	1.018	1.018	0.636		17.9	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.14	5530.00	106	U-NI-2C	58.5	18.0	16.90	18.0	16.37	Left	5	0.638	1.455	1.084	1.006	1.006	0.629		17.9	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.04	5610.00	122	U-NI-2C	58.5	18.0	16.92	18.0	16.65	Left	5	0.581	1.581	1.084	0.996	0.996	0.629		18.1	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.02	6060.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Left	5	0.496	1.570	1.084	1.167	1.167	0.720		17.8	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.04	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Left	5	0.430	1.570	1.084	0.766	0.766	0.479		18.1	17.1	
Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.11	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Left	5	0.469	1.225	1.084	1.186	1.186	0.740	Plot	17.2	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	40	OFDM	MIMO	0823M	94.84	-0.19	5190.00	38	U-NI-1	27.0	15.0	13.40	15.0	13.40	Back	5	0.240	1.445	1.054	0.375	0.375	0.380		19.2	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	40	OFDM	MIMO	0823M	94.84	-0.18	5230.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Back	5	0.570	1.493	1.054	1.023	1.023	0.630	Plot	17.9	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.02	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Back	5	0.552	1.502	1.084	0.912	0.912	0.570		18.4	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	6060.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Back	5	0.347	1.570	1.084	0.551	0.551	0.308		20.2	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.04	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Back	5	0.379	1.570	1.084	0.645	0.645	0.405		19.9	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.01	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Back	5	0.548	1.225	1.084	0.728	0.728	0.455		19.3	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	40	OFDM	MIMO	0823M	94.84	-0.12	5290.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Front	5	0.149	1.493	1.054	0.181	0.181	0.131		20.7	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.15	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Front	5	0.183	1.581	1.084	0.314	0.314	0.186		23.0	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.06	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Front	5	0.309	1.570	1.084	0.526	0.526	0.329		20.7	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.07	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.317	1.570	1.084	0.574	0.574	0.374		20.4	17.1	
Body worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.18	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Front	5	0.390	1.225	1.084	0.518	0.518	0.324		20.8	17.1	
ANSI/CES CR-1.5 SAFETY LIMIT																		Body									
Spatial Peak																		1.6 W/kg (mW/g)									
Uncontrolled Exposure/General Population																		averaged over 5 gram									

Note: Blue entry represents variability measurement

Note: To achieve the 21 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 18 dBm.

Table 12-192 MIMO Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Dens [dBm]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Pilot [dBm]	Overall Pilot [dBm]	EFS Pilot [dBm]
Body	5 GHz WIF/ IEEE 802.11ac	40	OFDM	MIMO	0823M	94.84	-0.02	5230.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Top	5	0.304	1.493	1.054	0.493	0.493	0.308		21.2	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.02	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Top	5	0.307	1.581	1.084	0.512	0.512	0.308		17.2	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.04	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Top	5	0.285	1.570	1.084	0.138	0.138	0.086		26.6	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Top	5	0.347	1.570	1.084	0.574	0.574	0.374		20.2	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.20	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Top	5	0.275	1.225	1.084	0.100	0.100	0.063		28.0	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	94.84	-0.02	5290.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Bottom	5	0.308	1.493	1.054	0.510	0.510	0.308		22.4	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.17	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Bottom	5	0.113	1.581	1.084	0.194	0.194	0.121		25.1	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.02	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Bottom	5	0.220	1.570	1.084	0.374	0.374	0.234		22.2	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.04	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Bottom	5	0.355	1.570	1.084	0.536	0.536	0.355		20.7	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.07	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Bottom	5	0.480	1.225	1.084	0.531	0.531	0.334		20.7	17.1	
Body-worn	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	94.84	-0.07	5230.00	46	U-NI-1	27.0	15.0	13.40	15.0	13.40	Left	5	0.308	1.493	1.054	0.514	0.514	0.308		22.4	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.07	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Right	5	0.496	1.581	1.084	0.447	0.447	0.092		26.3	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.03	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Right	5	0.421	1.570	1.084	0.716	0.716	0.448		19.4	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.04	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Left	5	0.411	1.570	1.084	0.714	0.714	0.449		19.3	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.03	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Right	5	0.275	1.225	1.084	0.100	0.100	0.064		17.8	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	94.84	-0.18	5230.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Left	5	0.308	1.493	1.054	0.993	0.993	0.619		18.0	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.18	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Left	5	0.285	1.581	1.084	0.447	0.447	0.092		26.3	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.04	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Left	5	0.411	1.570	1.084	0.714	0.714	0.449		19.3	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.03	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Left	5	0.421	1.570	1.084	0.716	0.716	0.448		19.4	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.04	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Right	5	0.411	1.570	1.084	0.714	0.714	0.449		19.3	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	40	OFDM	MIMO	0823M	94.84	-0.03	5230.00	46	U-NI-1	27.0	18.0	16.69	18.0	16.26	Back	5	0.307	1.493	1.054	0.515	0.515	0.307		27.3	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.03	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Back	5	0.307	1.581	1.084	0.515	0.515	0.307		17.2	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.08	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Back	5	0.274	1.493	1.054	0.078	0.078	0.049		29.0	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.08	5690.00	138	U-NI-2C	58.5	18.0	17.18	18.0	16.94	Back	5	0.285	1.570	1.084	0.078	0.078	0.049		29.0	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.03	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Back	5	0.355	1.570	1.084	0.536	0.536	0.355		20.7	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.05	5850.00	171	U-NI-4	58.5	18.0	17.35	18.0	17.12	Back	5	0.289	1.225	1.084	0.118	0.118	0.074		28.2	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	94.84	-0.35	5590.00	38	U-NI-1	27.0	15.0	13.40	15.0	13.40	Front	5	0.288	1.493	1.054	0.439	0.439	0.232		26.6	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	94.84	-0.35	5590.00	38	U-NI-1	27.0	15.0	13.40	15.0	13.40	Front	5	0.288	1.493	1.054	0.439	0.439	0.232		26.6	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.08	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Front	5	0.305	1.581	1.084	0.626	0.626	0.391		18.7	17.1	
	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	-0.08	5290.00	58	U-NI-2A	58.5	18.0	16.47	18.0	16.04	Front	5	0.305	1.570	1.084	0.626	0.626	0.391		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.523		18.7	17.1	
Body-worn/Body	5 GHz WIF/ IEEE 802.11ac	80	OFDM	MIMO	0823M	92.29	0.00	5775.00	155	U-NI-3	58.5	18.0	16.89	18.0	16.64	Front	5	0.480	1.570	1.084	0.836	0.836	0.52				

Table 12-194 Ant I Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	-0.16	6465.00	103	U-NI-6	34.0	16.0	15.15	Right Cheek	0	0.551	1.216	1.003	0.672	0.533	0.533		17.7	16.2	15.0
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	-0.07	6465.00	103	U-NI-6	34.0	16.0	15.15	Right T8	0	0.513	1.216	1.003	0.640	0.501	0.501		29.5		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.01	5985.00	7	U-NI-5	34.0	16.0	14.51	Left Cheek	0	0.661	1.409	1.003	0.934	1.186	0.741		16.2		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.03	6305.00	71	U-NI-5	34.0	16.0	14.64	Left Cheek	0	0.440	1.368	1.003	0.604	0.767	0.475		18.1		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.00	6465.00	103	U-NI-6	34.0	16.0	15.15	Left Cheek	0	0.447	1.216	1.003	0.570	0.723	0.452		18.4		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.14	6705.00	151	U-NI-7	34.0	16.0	15.06	Left Cheek	0	0.450	1.242	1.003	0.561	0.712	0.445		18.5		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.08	7025.00	215	U-NI-8	34.0	16.0	15.13	Left Cheek	0	0.235	1.222	1.003	0.288	0.366	0.229		21.4		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.01	6465.00	103	U-NI-6	34.0	16.0	15.15	Left T8	0	0.557	1.216	1.003	0.670	0.588	0.595		27.5		
ANSI/IEEE C63.1 (S2) - 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 Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APO [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APO [W/m² (4cm²)]	Adjusted APO [W/m² (4cm²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	-0.16	6465.00	103	U-NI-6	34.0	16.0	15.15	Right Cheek	0	2.630	1.216	1.003	3.208	4.074	0.204		21.9	18.2	15.0
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	-0.07	6465.00	103	U-NI-6	34.0	16.0	15.15	Right T8	0	0.295	1.216	1.003	0.360	0.457	0.023		31.4		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.01	5985.00	7	U-NI-5	34.0	16.0	14.51	Left Cheek	0	5.260	1.409	1.003	7.424	9.441	0.472		18.2		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.03	6305.00	71	U-NI-5	34.0	16.0	14.64	Left Cheek	0	3.290	1.368	1.003	4.514	5.733	0.287		20.4		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.00	6465.00	103	U-NI-6	34.0	16.0	15.15	Left Cheek	0	3.220	1.216	1.003	4.537	5.762	0.288		20.4		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.14	6705.00	151	U-NI-7	34.0	16.0	15.06	Left Cheek	0	2.630	1.242	1.003	3.525	4.477	0.224		21.5		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.08	7025.00	215	U-NI-8	34.0	16.0	15.13	Left Cheek	0	1.800	1.222	1.003	2.206	2.802	0.140		23.5		
Head	6 GHz WUFI / IEEE 802.11a	80	OFDM	I	1045M	99.67	0.01	6465.00	103	U-NI-6	34.0	16.0	15.15	Left T8	0	0.485	1.216	1.003	0.592	0.751	0.338		29.2		
ANSI/IEEE C63.1 (S2) - SAFETY LIMIT																Body 1.6 W/kg (mW/g) averaged over 1 gram									
Spatial Peak Uncontrolled Exposure/General Population																									

Table 12-195 Ant F Open Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.02	6025.00	15	U-NI-5	68.1	12.0	11.89	Top	5	0.041	1.028	1.003	0.042	0.054	0.054		25.7	20.4	11.0
Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	0.04	6025.00	15	U-NI-5	68.1	12.0	11.89	Left	5	0.137	1.028	1.003	0.141	0.179	0.112		20.4		
Body-worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	0.03	6025.00	15	U-NI-5	68.1	12.0	11.89	Back	5	0.031	1.028	1.003	0.032	0.041	0.026		26.1		
Body-worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.01	6025.00	15	U-NI-5	68.1	12.0	11.89	Front	5	0.057	1.028	1.003	0.059	0.075	0.047		24.3		
ANSI/IEEE C63.1 (S2) - SAFETY LIMIT																Body 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 Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APO [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APO [W/m² (4cm²)]	Adjusted APO [W/m² (4cm²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.03	6025.00	15	U-NI-5	68.1	12.0	11.89	Top	5	0.142	1.028	1.003	0.146	0.186	0.095		31.3	23.6	11.0
Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	0.04	6025.00	15	U-NI-5	68.1	12.0	11.89	Left	5	0.636	1.028	1.003	0.662	1.095	0.555		23.6		
Body-worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	0.03	6025.00	15	U-NI-5	68.1	12.0	11.89	Back	5	0.197	1.028	1.003	0.203	0.258	0.113		29.8		
Body-worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.01	6025.00	15	U-NI-5	68.1	12.0	11.89	Front	5	0.130	1.028	1.003	0.136	0.162	0.092		27.6		
ANSI/IEEE C63.1 (S2) - SAFETY LIMIT																Body 1.6 W/kg (mW/g) averaged over 1 gram									
Spatial Peak Uncontrolled Exposure/General Population																									

Table 12-196 Ant F Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.01	6025.00	15	U-NI-5	68.1	12.0	11.89	Bottom	5	0.063	1.028	1.003	0.065	0.290	0.181		23.8	18.5	18.5
Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.11	6025.00	15	U-NI-5	68.1	12.0	11.89	Left	5	0.216	1.028	1.003	0.222	0.995	0.623		18.5		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	0.08	5965.00	3	U-NI-5	16.3	17.0	16.70	Back	5	0.019	1.050	1.003	0.020	0.028	0.019		33.9		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	0.10	5965.00	3	U-NI-5	16.3	17.0	16.70	Front	5	0.308	1.050	1.003	0.324	0.458	0.286		21.8		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.15	6285.00	87	U-NI-5	16.3	17.0	16.53	Front	5	0.023	1.114	1.003	0.024	0.026	0.023		16.3		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.67	-0.02	6465.00	103	U-NI-6	34.0	16.0	15.19	Front	5	0.627	1.205	1.003	0.516	0.918	0.574		18.8		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.08	6685.00	147	U-NI-7	16.3	17.0	15.90	Front	5	0.360	1.274	1.003	0.383	0.541	0.358		21.1		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	80	OFDM	F	1045M	99.67	0.06	7025.00	215	U-NI-8	34.0	16.0	14.41	Front	5	0.216	1.442	1.003	0.312	0.555	0.347		21.0		
ANSI/IEEE C63.1 (S2) - SAFETY LIMIT																Body 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 Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APO [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APO [W/m² (4cm²)]	Adjusted APO [W/m² (4cm²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	0.01	6025.00	15	U-NI-5	68.1	12.0	11.89	Bottom	5	0.226	1.028	1.003	0.243	1.087	0.954		28.1	22.0	18.5
Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	-0.21	6025.00	15	U-NI-5	68.1	12.0	11.89	Left	5	1.200	1.028	1.003	1.237	5.527	3.276		22.0		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	160	OFDM	F	1045M	99.69	0.15	6285.00	87	U-NI-5	16.3	17.0	16.53	Front	5	0.490	1.114	1.003	0.509	5.510	0.074		22.0		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	80	OFDM	F	1045M	99.67	0.02	6045.00	103	U-NI-6	34.0	16.0	15.19	Front	5	0.900	1.205	1.003	0.900	0.000	0.000		66.1		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	40	OFDM	F	1045M	99.68	0.00	6680.00	147	U-NI-7	16.3	17.0	15.95	Front	5	2.400	1.274	1.003	2.400	3.007	4.331		23.3		
Body worn/Body	6 GHz WUFI / IEEE 802.11a	80	OFDM	F	1045M	99.67	0.06	7245.00	215	U-NI-8	34.0	16.0	14.61	Front	5	1.500	1.442	1.003	2.300	4.089	0.004		23.3		

Table 12-198 Ant I Closed Body

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured Ig SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported Ig SAR [W/kg]	Adjusted Ig SAR [W/kg]	Exposure Ratio (Ig SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]	
Body	6 GHz WFF/IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.03	6505.00	111	U-NI-6	68.1	12.0	11.99	Top	5	0.000	1.002	1.003	0.000	0.000	0.000			51.9	20.3	20.3
Body	6 GHz WFF/IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.02	6505.00	111	U-NI-6	68.1	12.0	11.99	Bottom	5	0.000	1.002	1.003	0.000	0.000	0.000			51.9		
Body	6 GHz WFF/IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.02	6505.00	111	U-NI-6	68.1	12.0	11.99	Right	5	0.146	1.002	1.003	0.147	0.992	0.620			20.3		
Body-worn/body	6 GHz WFF/IEEE 802.11a	40	OFDM	I	1158M	99.71	0.01	6685.00	147	U-NI-7	16.3	17.0	16.59	Back	5	0.002	1.099	1.003	0.004	0.002	0.003			33.1		
Body-worn/body	6 GHz WFF/IEEE 802.11a	40	OFDM	I	1158M	99.71	0.23	6965.00	3	U-NI-5	16.3	17.0	15.94	Front	5	0.107	1.358	1.003	0.173	0.370	0.231			24.6		
Body-worn/body	6 GHz WFF/IEEE 802.11a	40	OFDM	I	1158M	99.71	0.01	6685.00	67	U-NI-5	16.3	17.0	15.94	Front	5	0.214	1.276	1.003	0.274	0.586	0.365			22.6		
Body-worn/body	6 GHz WFF/IEEE 802.11a	80	OFDM	I	1158M	99.67	0.01	6465.00	103	U-NI-6	34.0	16.0	15.15	Front	5	0.078	1.216	1.003	0.095	0.256	0.160			26.2		
Body-worn/body	6 GHz WFF/IEEE 802.11a	40	OFDM	I	1158M	99.71	0.09	6685.00	147	U-NI-7	16.3	17.0	16.59	Front	5	0.084	1.099	1.003	0.093	0.198	0.124			27.3		
Body-worn/body	6 GHz WFF/IEEE 802.11a	80	OFDM	I	1158M	99.67	0.01	6465.00	215	U-NI-8	34.0	16.0	15.15	Front	5	0.054	1.222	1.003	0.029	0.079	0.049			31.3		
ANS/IEEE C95.1 1992 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
1.6 W/kg (mW/g)																										
averaged over 1 gram																										
Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (cm²)]	Adjusted APD [W/m² (cm²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]	
Body	6 GHz WFF/IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.03	6505.00	111	U-NI-6	68.1	12.0	11.99	Top	5	0.001	1.002	1.003	0.001	0.001	0.000			52.9	22.8	20.1
Body	6 GHz WFF/IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.02	6505.00	111	U-NI-6	68.1	12.0	11.99	Bottom	5	0.001	1.002	1.003	0.000	0.000	0.000			62.9		
Body	6 GHz WFF/IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.02	6505.00	111	U-NI-6	68.1	12.0	11.99	Right	5	1.200	1.002	1.003	1.255	7.000	0.395			22.8		
Body-worn/body	6 GHz WFF/IEEE 802.11a	40	OFDM	I	1158M	99.71	0.01	6685.00	147	U-NI-7	16.3	17.0	16.59	Back	5	0.148	1.099	1.003	0.163	0.349	0.177			31.8		
Body-worn/body	6 GHz WFF/IEEE 802.11a	40	OFDM	I	1158M	99.71	0.21	6285.00	67	U-NI-5	16.3	17.0	15.94	Front	5	1.730	1.276	1.003	1.691	4.900	0.245			24.3		
Body-worn/body	6 GHz WFF/IEEE 802.11a	80	OFDM	I	1158M	99.67	0.01	6465.00	103	U-NI-6	34.0	16.0	15.15	Front	5	0.099	1.216	1.003	0.064	1.868	0.093			35.1		
Body-worn/body	6 GHz WFF/IEEE 802.11a	40	OFDM	I	1158M	99.71	0.09	6685.00	147	U-NI-7	16.3	17.0	16.59	Back	5	0.148	1.099	1.003	0.163	0.349	0.177			31.8		
Body-worn/body	6 GHz WFF/IEEE 802.11a	80	OFDM	I	1158M	99.67	0.01	6465.00	215	U-NI-8	34.0	16.0	15.15	Front	5	0.126	1.222	1.003	0.154	0.416	0.091			28.5		
ANS/IEEE C95.1 1992 - SAFETY LIMIT																										
Spatial Peak																										
Uncontrolled Exposure/General Population																										
1.6 W/kg (mW/g)																										
averaged over 1 gram																										

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APO [W/m² (kW/m²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APO [W/m² (kW/m²)]	Adjusted APO [W/m² (kW/m²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Body	6 GHz WFF/ IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.03	6505.00	111	U-NI-6	68.1	12.0	11.99	Top	5	0.001	1.002	1.003	0.001	0.007	0.000			52.9	20.3
Body	6 GHz WFF/ IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.02	6505.00	111	U-NI-6	68.1	12.0	11.99	Bottom	5	0.000	1.002	1.003	0.000	0.000	0.000			62.9	20.3
Body	6 GHz WFF/ IEEE 802.11a	160	OFDM	I	1045M	99.69	-0.02	6505.00	111	U-NI-6	68.1	12.0	11.99	Right	5	0.039	1.002	1.003	0.035	7.000	0.350			22.8	20.3
Body-worn/Body	6 GHz WFF/ IEEE 802.11a	40	OFDM	I	1158M	99.71	0.01	6685.00	147	U-NI-7	16.3	17.0	16.59	Back	5	0.148	1.099	1.003	0.163	0.345	0.037			35.8	20.3
Body-worn/Body	6 GHz WFF/ IEEE 802.11a	40	OFDM	I	1158M	99.71	0.21	6285.00	67	U-NI-5	16.3	17.0	15.94	Front	5	1.790	1.276	1.003	2.291	4.900	0.245			24.3	20.3
Body-worn/Body	6 GHz WFF/ IEEE 802.11a	80	OFDM	I	1158M	99.67	0.01	6465.00	103	U-NI-6	34.0	16.0	15.15	Front	5	0.569	1.216	1.003	0.694	1.868	0.093			28.5	20.3
Body-worn/Body	6 GHz WFF/ IEEE 802.11a	40	OFDM	I	1158M	99.71	0.09	6685.00	147	U-NI-7	16.3	17.0	16.59	Front	5	0.640	1.099	1.003	0.750	1.603	0.360			29.2	20.3
Body-worn/Body	6 GHz WFF/ IEEE 802.11a	80	OFDM	I	1158M	99.67	0.01	6465.00	215	U-NI-8	34.0	16.0	15.15	Front	5	0.126	1.222	1.003	0.154	0.416	0.021			35.1	20.3

12.36 6 GHz WIFI MIMO Standalone SAR and APD

Table 12-199 MIMO Head

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured Ig SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported Ig SAR [W/kg]	Adjusted Ig SAR [W/kg]	Exposure Ratio (Ig SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.04	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.96	Right Cheek	0	0.493	1.107	1.003	0.547	0.05	0.34		18.6	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	0.01	6305.00	71	U-NI-5	65.1	16.0	15.49	16.0	15.81	Right Cheek	0	0.705	1.125	1.003	0.796	1.010	0.61		16.9	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.05	6465.00	103	U-NI-6	65.1	16.0	14.89	16.0	15.99	Right Cheek	0	0.641	1.201	1.003	0.810	1.014	0.69		16.8	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.05	6705.00	151	U-NI-7	65.1	16.0	14.89	16.0	15.75	Right Cheek	0	0.919	1.449	1.003	0.933	1.058	0.80		16.7	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.02	7025.00	215	U-NI-8	65.1	16.0	14.41	16.0	15.61	Right Cheek	0	0.217	1.442	1.003	0.314	0.399	0.249		21.0	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.09	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.50	Right Tr	0	0.493	1.107	1.003	0.547	0.05	0.34		18.6	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.03	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.50	Left Cheek	0	0.493	1.107	1.003	0.505	0.642	0.401		18.9	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	0.01	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.50	Left Tr	0	0.518	1.107	1.003	0.175	0.223	0.139		23.5	15.0	
ANS/IEEE C95.1 1992 - SAFETY LIMIT																											
Spatial Peak																											
Uncontrolled Exposure/General Population																											
1.6 W/kg (mW/g) averaged over 1 gram																											
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured APO [W/m² (kW/m²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APO [W/m² (kW/m²)]	Adjusted APO [W/m² (kW/m²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.04	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.96	Right Cheek	0	2.998	1.107	1.003	3.320	4.216	0.211		21.7	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	0.01	6305.00	71	U-NI-5	65.1	16.0	15.49	16.0	15.81	Right Cheek	0	4.480	1.125	1.003	5.015	6.420	0.321		19.8	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.05	6465.00	103	U-NI-6	65.1	16.0	14.89	16.0	15.99	Right Cheek	0	4.140	1.201	1.003	5.387	6.841	0.342		19.6	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	0.01	6705.00	151	U-NI-7	65.1	16.0	14.89	16.0	15.75	Right Cheek	0	3.800	1.449	1.003	5.523	7.014	0.351		19.3	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.02	7025.00	215	U-NI-8	65.1	16.0	14.41	16.0	15.61	Right Cheek	0	1.100	1.442	1.003	2.188	2.702	0.148		23.5	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.09	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.50	Right Tr	0	2.190	1.107	1.003	2.432	3.088	0.156		23.1	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	-0.03	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.50	Left Cheek	0	3.708	1.107	1.003	3.986	5.062	0.253		20.9	15.0	
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1158M	99.71	0.01	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.50	Left Tr	0	3.806	1.107	1.003	0.995	1.157	0.057		27.4	15.0	

Note: To achieve the 19.01m maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 16.01m.																											
Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NI band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured APO [W/m² (kW/m²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APO [W/m² (kW/m²)]	Adjusted APO [W/m² (kW/m²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EPS Plimit [dBm]
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1115M	99.71	-0.04	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.86	Right Cheek	0	2.590	1.107	1.003	3.320	4.276	0.231		21.7		
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1115M	99.71	-0.01	6309.50	71	U-NI-5	65.1	16.0	15.90	16.0	15.81	Right Cheek	0	4.486	1.125	1.003	5.055	6.420	0.221		19.2		
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1115M	99.71	-0.05	6445.00	103	U-NI-6	65.1	16.0	14.89	16.0	15.99	Right Cheek	0	4.130	1.291	1.003	5.387	6.841	0.342		19.6		
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1115M	99.71	-0.01	6700.00	133	U-NI-7	65.1	16.0	14.89	16.0	15.97	Right Cheek	0	3.890	1.449	1.003	5.523	7.014	0.333		19.3		
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1115M	99.71	-0.02	7025.00	215	U-NI-8	65.1	16.0	14.81	16.0	15.81	Right Cheek	0	4.150	1.642	1.003	2.198	2.792	0.140		23.3		
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1115M	99.71	-0.05	6885.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.85	Right Th	0	2.196	1.107	1.003	2.432	3.088	0.154		25.4		
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1115M	99.71	-0.05	5985.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.87	Right Th	0	3.100	1.107	1.003	3.596	4.626	0.253		20.3		
Head	6 GHz WFF/ IEEE 802.11a	80	OFDM	MIMO	1115M	99.71	-0.06	5885.00	7	U-NI-5	65.1	16.0	15.90	16.0	15.86	Left Th	0	0.896	1.107	1.003	0.895	1.137	0.507		27.1		
ANS/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population 1.6 W/kg (mW/g) averaged over 1 gram																											

12.37 2.4 GHz Bluetooth SISO Standalone SAR

Table 12-202 Ant G Head | Plot A79

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.01	2441.00	39	1	17.0	15.70	Right Cheek	0	0.489	1.349	1.025	0.676	0.859	0.537	Plot	17.8	17.8	15.0
Head	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.02	2441.00	39	1	17.0	15.70	Right Tilt	0	0.434	1.349	1.025	0.600	0.762	0.476		18.4	17.8	15.0
Head	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.01	2441.00	39	1	17.0	15.70	Left Cheek	0	0.216	1.349	1.025	0.299	0.379	0.227		21.4	17.8	15.0
Head	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.02	2441.00	39	1	17.0	15.70	Left Tilt	0	0.189	1.349	1.025	0.261	0.332	0.208		22.0	17.8	15.0
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-203 Ant C Head

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.05	2480.00	78	1	17.0	15.83	Right Cheek	0	0.013	1.309	1.025	0.017	0.022	0.014		33.7	29.2	15.0
Head	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.01	2480.00	78	1	17.0	15.83	Right Tilt	0	0.009	1.309	1.025	0.012	0.015	0.009		35.3	29.2	15.0
Head	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.08	2480.00	78	1	17.0	15.83	Left Cheek	0	0.037	1.309	1.025	0.050	0.063	0.039		29.2	29.2	15.0
Head	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.07	2480.00	78	1	17.0	15.83	Left Tilt	0	0.007	1.309	1.025	0.009	0.012	0.008		36.4	29.2	15.0
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-204 Ant G Open Body

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.04	2441.00	39	1	19.0	18.79	Top	5	0.382	1.050	1.025	0.411	0.608	0.436		22.0	20.3	20.3
Body	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.02	2441.00	39	1	19.0	18.79	Left	5	0.354	1.050	1.025	0.273	0.464	0.290		23.8	20.3	20.3
Body-worn/Body	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.08	2441.00	39	1	19.0	18.79	Back	5	0.219	1.050	1.025	0.236	0.400	0.250		24.4	20.3	20.3
Body-worn/Body	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.04	2441.00	39	1	19.0	18.79	Front	5	0.568	1.050	1.025	0.611	1.038	0.649		20.3	20.3	20.3
Body-worn/Body	2.4 GHz Bluetooth LE	DSSS	G	0643M	85.11	-0.01	2440.00	19	1	20.0	19.98	Front	5	0.594	1.005	1.022	0.610	0.750	0.469		21.7	20.3	20.3
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-205 Ant G Closed Body

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.00	2441.00	39	1	19.0	18.79	Bottom	5	0.249	1.050	1.025	0.268	0.738	0.461		23.9	22.4	22.4
Body	2.4 GHz Bluetooth LE	DSSS	G	0872M	85.11	-0.05	2440.00	19	1	20.0	19.98	Bottom	5	0.510	1.005	1.022	0.524	1.045	0.653		22.4	22.4	22.4
Body	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.04	2441.00	39	1	19.0	18.79	Left	5	0.187	1.050	1.025	0.201	0.554	0.346		25.1	22.4	22.4
Body	2.4 GHz Bluetooth LE	DSSS	G	0872M	85.11	-0.04	2440.00	19	1	20.0	19.98	Left	5	0.215	1.005	1.022	0.227	0.640	0.275		26.1	22.4	22.4
Body-worn/Body	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.01	2441.00	39	1	19.0	18.79	Back	5	0.079	1.050	1.025	0.085	0.234	0.146		28.9	22.4	22.4
Body-worn/Body	2.4 GHz Bluetooth LE	DSSS	G	0872M	85.11	-0.06	2440.00	19	1	20.0	19.98	Back	5	0.121	1.005	1.022	0.124	0.248	0.155		28.6	22.4	22.4
Body-worn/Body	2.4 GHz Bluetooth	FHSS	G	0643M	77.07	-0.01	2441.00	39	1	19.0	18.79	Front	5	0.125	1.050	1.025	0.135	0.371	0.232		26.9	22.4	22.4
Body-worn/Body	2.4 GHz Bluetooth LE	DSSS	G	0872M	85.11	-0.03	2440.00	19	1	20.0	19.98	Front	5	0.368	1.005	1.022	0.378	0.754	0.471		23.8	22.4	22.4
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-206 Ant C Open Body | Plot A80

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.02	2402.00	0	1	19.0	18.29	Bottom	5	0.383	1.178	1.025	0.342	0.342	0.214		23.8	19.1	18.0
Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.02	2402.00	0	1	19.0	18.29	Left	5	0.623	1.178	1.025	0.752	0.752	0.470		19.4	19.1	18.0
Body-worn/Body	2.4 GHz Bluetooth	FHSS	C	0872M	77.07	-0.12	2402.00	0	1	19.0	18.29	Back	5	0.662	1.178	1.025	0.799	0.799	0.499	Plot	19.1	19.1	18.0
Body-worn/Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.09	2402.00	0	1	19.0	18.29	Front	5	0.462	1.178	1.025	0.558	0.558	0.349		20.7	19.1	18.0
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-207 Ant C Closed Body | Plot A81

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.02	2402.00	0	1	19.0	18.29	Top	5	0.010	1.178	1.025	0.012	0.015	0.009		37.3	19.0	19.0
Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.02	2402.00	0	1	19.0	18.29	Bottom	5	0.085	1.178	1.025	0.103	0.129	0.081		28.0	19.0	19.0
Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.00	2402.00	0	1	19.0	18.29	Left	5	0.681	1.178	1.025	0.822	1.035	0.647	Plot	19.0	19.0	19.0
Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.05	2441.00	39	1	19.0	17.65	Left	5	0.484	1.364	1.025	0.676	0.853	0.533		19.8	19.0	19.0
Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.15	2480.00	78	1	19.0	17.45	Left	5	0.488	1.429	1.025	0.715	0.900	0.563		19.6	19.0	19.0
Body-worn/Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.03	2402.00	0	1	19.0	18.29	Back	5	0.515	1.178	1.025	0.622	0.783	0.489		20.2	19.0	19.0
Body-worn/Body	2.4 GHz Bluetooth	FHSS	C	0643M	77.07	-0.05	2402.00	0	1	19.0	18.29	Front	5	0.045	1.178	1.025	0.054	0.068	0.043		30.8	19.0	19.0
ANSI/IEEE C63.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

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12.38 2.4 GHz Bluetooth MIMO Standalone SAR

Table 12-208 MIMO Closed Body

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	MIMO Ant G Pmax [dBm]	MIMO Ant C Pmax [dBm]	MIMO Ant G EFS Pmax [dBm]	MIMO Ant C EFS Pmax [dBm]
Body	2.4 GHz Bluetooth	FRSS	MIMO	0827M	77.07	-0.09	2441.00	39	1	15.0	14.92	12.5	11.76	Top	5	0.025	1.185	1.025	0.030	0.065	0.041		305	268		
Body	2.4 GHz Bluetooth	FRSS	MIMO	0872M	77.07	0.18	2441.00	39	1	15.0	14.92	12.5	11.76	Bottom	5	0.403	1.185	1.025	0.489	1.047	0.854		179	148		
Body	2.4 GHz Bluetooth	FRSS	MIMO	0872M	77.07	-0.20	2441.00	39	1	15.0	14.92	12.5	11.76	Left	5	0.310	1.185	1.025	0.377	0.805	0.593		191	159	148	148
Body-worn/Body	2.4 GHz Bluetooth	FRSS	MIMO	0872M	77.07	0.17	2441.00	39	1	15.0	14.92	12.5	11.76	Back	5	0.122	1.185	1.025	0.149	0.319	0.199		231	199		
Body-worn/Body	2.4 GHz Bluetooth	FRSS	MIMO	0872M	77.07	0.04	2441.00	39	1	15.0	14.92	12.5	11.76	Front	5	0.107	1.185	1.025	0.130	0.278	0.174		237	205		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT																Body										
Spatial Peak																1.6 W/kg (mW/g)										
Uncontrolled Exposure/General Population																averaged over 1 gram										

Note: To achieve the 17 dBm maximum allowed MIMO power shown in the documentation, Antenna G transmits at a maximum allowed power of 15.0 dBm and Antenna C transmits at a maximum power of 12.5 dBm.

Note: To achieve the 17 dBm maximum allowed MIMO power shown in the documentation, Antenna C transmits at a maximum allowed power of 15.0 dBm and Antenna B transmits at a maximum power of 12.5 dBm.

12.39 NFC Standalone SAR

Table 12-209 Open Configuration

Exposure	Band / Mode	Signal Type	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NFC	B	NFC	0350M	-0.05	13.60	Back	0	0.018	0.011	
Body	NFC	B	NFC	0350M	0.03	13.60	Front	0	0.000	0.000	
Body	NFC	B	NFC	0350M	0.02	13.60	Top	0	0.000	0.000	
Body	NFC	B	NFC	0350M	0.02	13.60	Bottom	0	0.000	0.000	
Body	NFC	B	NFC	0350M	0.01	13.60	Right	0	0.000	0.000	
Body	NFC	B	NFC	0350M	0.01	13.60	Left	0	0.000	0.000	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT							Body				
Spatial Peak							1.6 W/kg (mW/g)				
Uncontrolled Exposure/General Population							averaged over 1 gram				

Table 12-210 Closed Configuration | Plot A82

Exposure	Band / Mode	Signal Type	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NFC	B	NFC	0869M	0.06	13.60	Back	0	0.020	0.013	Plot
Body	NFC	B	NFC	0869M	0.06	13.60	Front	0	0.000	0.000	
Body	NFC	B	NFC	0869M	0.07	13.60	Top	0	0.000	0.000	
Body	NFC	B	NFC	0869M	0.08	13.60	Bottom	0	0.000	0.000	
Body	NFC	B	NFC	0869M	0.04	13.60	Right	0	0.000	0.000	
Body	NFC	B	NFC	0869M	0.01	13.60	Left	0	0.000	0.000	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT							Body				
Spatial Peak							1.6 W/kg (mW/g)				
Uncontrolled Exposure/General Population							averaged over 1 gram				

SAR Test Notes

General Notes:

- The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, and FCC KDB Publication 447498 D04v01.
- Batteries are fully charged at the beginning of the SAR measurements.
- Liquid tissue depth was at least 15.0 cm for all frequencies.
- The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
- SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04v01.
- Device was tested using a fixed spacing for body-worn accessory testing. A separation distance of 5 mm was considered because the manufacturer has determined that there will be body-worn accessories available in the marketplace for users to support this separation distance.

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7. Per FCC KDB Publication 648474 D04, body-worn SAR was evaluated without a headset connected to the device. Since the standalone reported body-worn SAR was ≤ 1.2 W/kg, no additional body-worn SAR evaluations using a headset cable were required.
8. Per FCC KDB 865664 D01v01r04, variability SAR tests were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg. Repeated SAR measurements are highlighted in the tables above for clarity. Please see Section 14 for variability analysis.
9. During SAR Testing for the Wireless Router conditions per FCC KDB Publication 941225 D06v02r01, the actual Portable Hotspot operation (with actual simultaneous transmission of a transmitter with WIFI) was not activated (See Section 7.7 for more details).
10. Per FCC KDB Publication 648474 D04, this device is considered a "phablet" when it is in the open configuration since the display diagonal dimension is > 150 mm and < 200 mm. However, because 5 mm body testing excludes 0 mm extremity testing, phablet SAR tests were not required even when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg.
11. This device supports dynamic antenna tuning for some bands. Per FCC Guidance, SAR was measured according to the normally required SAR measurement configurations with tuner active. The auto-tune state determined by the device was verified before and after each SAR measurement and is listed in tables above. Please see Section 15 for supplemental data.
12. Unless otherwise noted, when 10g SAR measurement is considered, a factor of 2.5 is applied to the 1g thresholds for the equivalent test cases.
13. This device uses Qualcomm Smart Transmit for WWAN/WLAN/BT operations to control and manage transmitting power in real time to ensure RF Exposure compliance. Per FCC Guidance, compliance for was assessed at the minimum of the time averaged power and the maximum output power for each band/mode/exposure condition (DSI).
14. Per October 2020 TCB Workshop notes, absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.

GSM Test Notes:

1. Body-Worn accessory testing is typically associated with voice operations. Per FCC guidance, since the frame average target of GPRS is higher than GSM, GPRS was evaluated for body-worn SAR.
2. Justification for reduced test configurations per KDB Publication 941225 D01v03r01 and October 2013 TCB Workshop Notes: The source-based frame-averaged output power was evaluated for all GPRS/EDGE slot configurations. The configuration with the highest target frame averaged output power was evaluated for hotspot SAR. When the maximum frame-averaged powers are equivalent across two or more slots (within 0.25 dB), the configuration with the most number of time slots was tested.
3. Per FCC KDB Publication 447498 D04v01, if the reported (scaled) SAR measured at the highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s).

UMTS Notes:

1. UMTS mode was tested under RMC 12.2 kbps with HSPA Inactive per KDB Publication 941225 D01v03r01. AMR and HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
2. Per FCC KDB Publication 447498 D04v01, if the reported (scaled) SAR measured at the highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s).

LTE Notes:

1. LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r04. The general test procedures used for testing can be found in Section 9.5.4.
2. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

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3. A-MPR was disabled for all SAR tests by setting NS=01 and MCC=001 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
4. Per FCC KDB Publication 447498 D04v01, when the reported 1g SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for LTE B41/48, testing at the other channels was required for such test configurations.
5. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r04. Testing was performed using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.
6. Per KDB Publication 941225 D05Av01r02, SAR for downlink only LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive.
7. For LTE Band 48 per FCC guidance, SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active. The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.

NR Notes:

1. NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.
2. Due to test setup limitations, SAR testing for NR TDD was performed using test mode software to establish the connection.
3. Simultaneous transmission analysis for EN-DC operations is addressed in the Part 2 Test Report (Serial Number can be found in the bibliography).
4. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
5. Per FCC Guidance, NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
6. Per FCC KDB Publication 447498 D04v01, when the reported NR Band n77 C-Band SAR measured at the highest output power channel in a given a test configuration was > 0.4 W/kg for 1g evaluations and > 1 W/kg for 10g evaluation, testing at the other channels was required for such test configurations.
7. Per FCC KDB Publication 447498 D04v01, when the reported NR Band n41/48 SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for 1g evaluations and > 1.5 W/kg for 10g evaluation, testing at the other channels was required for such test configurations.
8. SRS was tested with CW signal per Qualcomm guidance in 80-w2112-4.
9. For final implementation, NR Band n38, n41, n48 and n77 slot configuration is synchronized using maximum duty cycle of 100%. SAR testing was performed using FTM mode with a 100% duty cycle applied to match final duty cycle.
10. Per FCC Guidance, C-Band for NR n77 (3705 – 3975 MHz) was fully tested according to FCC procedures. For each exposure condition and antenna, the worst-case position was additionally evaluated for the NR n77 DoD (3455.01 – 3544.98 MHz).
11. This device uses two transmit pathways for n41 operations (Path 1 and Path 2). For each exposure condition, the pathway with the highest target power was fully evaluated. The worst case for each antenna and exposure condition was additionally evaluated using the other path.

WLAN Notes:

1. For held-to-ear, hotspot, and phablet operations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When reported

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SAR for the initial test position is ≤ 0.4 W/kg for 1g evaluations, no additional testing for the remaining test positions was required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.

2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 2.4 GHz WIFI single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11g/n/ax) was not required due to the maximum allowed powers and the highest reported DSSS SAR. See Section 9.6.5 for more information.
3. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 5 GHz WIFI operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission modes were not investigated since the highest reported SAR for initial test configuration adjusted by the ratio of maximum output powers is less than 1.2 W/kg for 1g evaluations. See Section 9.6.6 for more information.
4. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D04v01 by either evaluating the sum of the 1g SAR values of each antenna transmitting independently or making a SAR measurement with both antennas transmitting simultaneously. Please see Multi-TX and Antenna SAR Considerations Appendix for complete analysis.
5. When the maximum reported 1g averaged SAR is ≤ 0.8 W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was ≤ 1.20 W/kg for 1g evaluations or all test channels were measured.
6. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated EMC test reports.
7. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.
8. Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factor for WIFI 6E. Per October 2020 TCB Workshop notes, 5 channels were tested for WIFI 6E.

Bluetooth Notes

1. Bluetooth SAR was measured with the device connected to a call box with hopping disabled with DH5 operation and Tx Tests test mode type. Per October 2016 TCB Workshop Notes, the reported SAR was scaled to the 79% transmission duty factor for Bluetooth and 87% transmission duty factor for Bluetooth LE to determine compliance. See RF Conducted Power Section for the time domain plot and calculation for the duty factor of the device.
2. Head and Hotspot Bluetooth SAR were evaluated for BT BDR tethering applications.
3. The highest frame average power configurations for both Bluetooth and Bluetooth LE were evaluated for SAR. The worst case configuration was used for the remaining test positions as the most conservative scenario.

NTN Notes:

1. Due to equipment limitations, NTN was tested using factory test mode software transmitting CW at 100% duty cycle. The results were scaled down to the maximum duty cycle of 71%, declared by the manufacturer.
2. NTN NB-IoT only supports data transmission, therefore only body-worn and phablet exposure conditions were evaluated.

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13 POWER DENSITY DATA SUMMARY

13.1 6 GHz WIFI Power Density Results

Table 13-1 Open PD Data | Plot A83

MEASUREMENT RESULTS																								Plot #		
Frequency (MHz)	Channel	Mode	Service	Bandwidth (MHz)	Maximum Allowed Power (Ant 1) (dBm)	Conducted Power (Ant 1) (dBm)	Maximum Allowed Power (Ant 2) (dBm)	Conducted Power (Ant 2) (dBm)	Power Df/B (dB)	Spacing (m)	Antenna Config.	Peak	DUT Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	Grid Step (A)	PD (W/m²)	Scaling Factor for Measurement Uncertainty per IEC 62479	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Normal pAPD (W/m²)	Scaled Normal pAPD (W/m²)		Total pAPD (W/m²)	Scaled Total pAPD (W/m²)
6465.00	103	802.11ax	OFDM	80	16.00	15.19	N/A	N/A	-0.16	2	F	N/A	1154M	34.0	Front	99.67	0.05	-	1.610	1.205	1.003	2.180	4.242	2.850	5.546	
6025.00	15	802.11ax	OFDM	160	12.00	11.88	N/A	N/A	0.05	2	F	N/A	1158M	68.1	Front	99.69	0.05	-	1.610	1.028	1.003	0.888	1.474	1.100	1.826	
6025.00	15	802.11ax	OFDM	160	12.00	11.88	N/A	N/A	0.00	2	F	N/A	1154M	68.1	Left	99.69	0.05	0.629	1.610	1.028	1.003	1.190	1.975	1.440	2.390	
6025.00	15	802.11ax	OFDM	160	12.00	11.88	N/A	N/A	0.14	9.95	F	N/A	1154M	68.1	Left	99.69	0.25	0.393	1.610	1.028	1.003	0.677	1.124	0.737	1.223	
5985.00	7	802.11ax	OFDM	80	N/A	N/A	16.00	14.51	-0.05	2	I	N/A	1158M	34.0	Front	99.67	0.05	-	1.610	1.409	1.003	2.410	5.483	2.610	5.939	
6605.00	111	802.11ax	OFDM	160	N/A	N/A	12.00	11.99	0.17	2	I	N/A	1158M	68.1	Back	99.69	0.05	-	1.610	1.002	1.003	1.370	2.217	1.480	2.395	
6605.00	111	802.11ax	OFDM	160	N/A	N/A	12.00	11.99	-0.14	2	I	N/A	1154M	68.1	Right	99.69	0.05	1.160	1.610	1.002	1.003	2.800	4.531	3.140	5.081	Plot
6605.00	111	802.11ax	OFDM	160	N/A	N/A	12.00	11.99	0.05	9.22	I	N/A	1158M	68.1	Right	99.69	0.25	0.541	1.610	1.002	1.003	0.503	0.814	0.533	0.861	
6705.00	151	802.11ax	OFDM	80	16.00	14.39	16.00	15.75	-0.18	2	MMMO	1	1158M	68.1	Front	99.71	0.05	-	1.610	1.440	1.003	1.140	2.967	2.790	4.165	
6705.00	151	802.11ax	OFDM	80	16.00	14.39	16.00	15.75	0.01	2	MMMO	2	1158M	68.1	Front	99.71	0.05	-	1.610	1.440	1.003	2.130	4.984	2.700	6.318	
6345.00	79	802.11ax	OFDM	160	12.00	11.85	12.00	11.85	0.02	2	MMMO	1	1158M	136.1	Front	99.69	0.05	1.030	1.610	1.035	1.003	1.300	2.173	1.530	2.557	
6345.00	79	802.11ax	OFDM	160	12.00	11.85	12.00	11.85	0.20	2	MMMO	2	1158M	136.1	Front	99.69	0.05	-	1.610	1.035	1.003	1.740	2.908	1.800	3.042	
6345.00	79	802.11ax	OFDM	160	12.00	11.85	12.00	11.85	0.04	9.45	MMMO	1	1158M	136.1	Front	99.69	0.25	1.030	1.610	1.035	1.003	0.575	0.961	0.628	1.050	
47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population													Power Density 10 W/m² averaged over 4 cm²													

Table 13-2 Closed PD Data

MEASUREMENT RESULTS																									Plot #	
Frequency (MHz)	Channel	Mode	Service	Bandwidth (MHz)	Maximum Allowed Power (Ant 1) (dBm)	Conducted Power (Ant 1) (dBm)	Maximum Allowed Power (Ant 2) (dBm)	Conducted Power (Ant 2) (dBm)	Power Df/B (dB)	Spacing (m)	Antenna Config.	Peak	DUT Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	Grid Step (A)	PD (W/m²)	Scaling Factor for Measurement Uncertainty per IEC 62479	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Normal ppFD (W/m²)	Scaled Normal ppFD (W/m²)	Total ppFD (W/m²)		Scaled Total ppFD (W/m²)
6025.00	15	802.11ax	OFDM	160	12.00	11.88	N/A	N/A	-0.16	2	F	N/A	1158M	68.1	Left	99.69	0.05	-	1.610	1.028	1.003	0.221	0.367	0.350	0.581	
6285.00	67	802.11ax	OFDM	40	17.00	16.53	N/A	N/A	-0.10	2	F	N/A	0867M	16.3	Front	99.69	0.05	1.220	1.610	1.114	1.003	1.240	2.231	1.760	3.166	
6285.00	67	802.11ax	OFDM	40	17.00	16.53	N/A	N/A	0.09	9.54	F	N/A	0867M	16.3	Front	99.69	0.05	1.100	1.610	1.114	1.003	0.554	0.997	0.574	1.033	
6005.00	111	802.11ax	OFDM	160	N/A	N/A	12.00	11.99	-0.15	2	I	N/A	1158M	68.1	Right	99.69	0.05	-	1.610	1.002	1.003	0.921	1.438	1.220	1.905	
6285.00	67	802.11ax	OFDM	40	N/A	N/A	17.00	15.94	0.06	2	I	N/A	0867M	16.3	Front	99.71	0.05	1.160	1.610	1.276	1.003	2.370	4.883	2.710	5.584	
6285.00	67	802.11ax	OFDM	40	N/A	N/A	17.00	15.94	-0.04	9.54	I	N/A	0867M	16.3	Front	99.71	0.05	1.080	1.610	1.276	1.003	0.948	1.953	1.030	2.122	
6345.00	79	802.11ax	OFDM	160	12.00	11.85	12.00	11.85	-0.19	2	MMMO	N/A	0867M	136.1	Left	99.69	0.05	-	1.610	1.035	1.003	1.270	2.123	1.580	2.657	
6285.00	67	802.11ax	OFDM	40	17.00	16.99	17.00	15.60	0.15	2	MMMO	1	0867M	32.5	Front	99.71	0.05	-	1.610	1.380	1.003	1.450	3.231	1.570	3.499	
6285.00	67	802.11ax	OFDM	40	17.00	16.99	17.00	15.60	0.10	2	MMMO	2	0867M	32.5	Front	99.71	0.05	1.180	1.610	1.380	1.003	1.750	3.900	2.380	4.858	
6285.00	67	802.11ax	OFDM	40	17.00	16.99	17.00	15.60	-0.20	9.54	MMMO	2	0867M	32.5	Front	99.71	0.125	1.240	1.610	1.380	1.003	1.050	2.340	1.150	2.563	
47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population																			Power Density 10 W/m² averaged over 4 cm²							

Power Density General Notes

- The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
- Batteries are fully charged at the beginning of the measurements. The DUT was connected to a wall charger for some measurements due to the test duration. It was confirmed that the charger plugged into this DUT did not impact the near-field PD test results.
- Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
- The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
- Per FCC guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.80 dB (90.5%) was used to determine the psPD measurement scaling factor.

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6. Per equipment manufacturer guidance, power density was measured at $d=2\text{mm}$ and $d=\lambda/5\text{mm}$ using the same grid size and grid step size for some frequencies and surfaces. The integrated Power Density (iPD) was calculated based on these measurements. Since iPD ratio between the two distances is $\geq -1\text{dB}$, the grid step was sufficient for determining compliance at $d=2\text{mm}$.
7. psPD for MIMO was evaluated by making a measurement with both antennas transmitting simultaneously.
8. PTP-PR algorithm was used during psPD measurement and calculations.
9. PD results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04.

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14 SAR MEASUREMENT VARIABILITY

14.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.
- 2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~10% from the 1g SAR limit).
- 3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
- 4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg
- 5) When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

Table 14-1
Head SAR Measurement Variability Results

HEAD VARIABILITY RESULTS														
Band	FREQUENCY		Mode	Service	Side	Test Position	Antenna Config	Measured SAR (1g)	1st Repeated SAR (1g)	Ratio	2nd Repeated SAR (1g)	Ratio	3rd Repeated SAR (1g)	Ratio
	MHz	Ch.						(W/kg)	(W/kg)		(W/kg)			
5750	5775.00	155	5 GHz WiFi IEEE 802.11ac, 80 MHz Bandwidth	OFDM	Right	Tilt	F	0.848	0.840	1.01	N/A	N/A	N/A	N/A
6500	6465.00	103	6 GHz WiFi IEEE 802.11ax, 80 MHz Bandwidth	OFDM	Right	Cheek	F	0.904	0.890	1.02	N/A	N/A	N/A	N/A
ANSI / IEEE C95.1.1992 - SAFETY LIMIT							Head							
Spatial Peak							1.6 W/kg (mW/g)							
Uncontrolled Exposure/General Population							averaged over 1 gram							

Table 14-2
Body SAR Measurement Variability Results

BODY VARIABILITY RESULTS														
Band	FREQUENCY		Mode	Service	Side	Spacing	Antenna Config	Measured SAR (1g)	1st Repeated SAR (1g)	Ratio	2nd Repeated SAR (1g)	Ratio	3rd Repeated SAR (1g)	Ratio
	MHz	Ch.						(W/kg)	(W/kg)		(W/kg)		(W/kg)	
750	680.50	136100	NR Band n71, 35 MHz Bandwidth	QPSK	Back	5	A	0.985	0.980	1.01	N/A	N/A	N/A	N/A
835	846.60	4233	UMTS 850	RMC	Back	5	A	1.050	0.980	1.07	N/A	N/A	N/A	N/A
1640	1643.50	261674	NTN Band 255	QPSK, 1 Tone, 6 Tone Start	Top	5	M	1.240	1.210	1.02	N/A	N/A	N/A	N/A
1750	1745.00	132322	LTE Band 66, 20 MHz Bandwidth	QPSK, 1 RB, 50 RB Offset	Bottom	5	B	0.901	0.887	1.02	N/A	N/A	N/A	N/A
1900	1909.80	810	GPRS 1900	GPRS 4 Tx Slots	Back	5	B	1.070	1.070	1.00	N/A	N/A	N/A	N/A
2300	2310.00	27710	LTE Band 30, 10 MHz Bandwidth	QPSK, 1 RB, 0 RB Offset	Back	5	B	1.010	0.984	1.03	N/A	N/A	N/A	N/A
2450	2506.00	39750	LTE Band 41, 20 MHz Bandwidth	QPSK, 50 RB, 0 RB Offset	Back	5	B	1.030	1.020	1.01	N/A	N/A	N/A	N/A
2600	2592.99	518598	NR Band n41, 100 MHz Bandwidth	DFT-s-OFDM, QPSK, 1 RB, 271 RB Offset	Back	5	B	1.120	1.060	1.06	N/A	N/A	N/A	N/A
3500	3570.00	639000	NR Band n48, 40 MHz Bandwidth	DFT-s-OFDM, QPSK, 1 RB, 104 RB Offset	Left	5	F	0.933	0.902	1.03	N/A	N/A	N/A	N/A
3700	3679.98	645332	NR Band n48, 40 MHz Bandwidth	CP-OFDM, QPSK, 1 RB, 1 RB Offset	Left	5	F	0.917	0.901	1.02	N/A	N/A	N/A	N/A
5850	5855.00	171	5 GHz WiFi IEEE 802.11ac, 80MHz Bandwidth	OFDM	Left	5	MMO	0.893	0.749	1.19	N/A	N/A	N/A	N/A
ANSI / IEEE C95.1.1992 - SAFETY LIMIT								Body						
Uncontrolled Exposure/General Population								1.6 W/kg (mW/g) averaged over 1 gram						

14.2 Measurement Uncertainty

The measured SAR was < 1.5 W/kg for 1g and < 3.75 W/kg for 10g for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE 1528-2013 was not required.

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15 ADDITIONAL TESTING PER FCC GUIDANCE

15.1 Tuner Testing

Per April 2025 TCB Workshop Notes, the following test procedures were followed to demonstrate that the SAR results in Section 12 represented the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR was measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements were evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence on the antenna characteristics, other than impedance matching.

For each band, mode, and exposure condition that supports dynamic antenna tuning, the following procedure was followed to determine the validity of the algorithm.

1. Identify the worst-case position and configuration per band/mode per head or body exposure condition.
2. Run an area scan with the auto-tune feature enabled to determine the peak SAR location.
3. With auto-enabled and ensuring no fluctuation in auto-tune state, run a single point SAR measurement at the peak SAR location.
4. Remotely disable the auto-tune feature and run two subsequent single point SAR measurements on the adjacent tune states; i.e. one state above and one state below the auto-tune state used in step 3.
5. Compare the single point SAR measurements
 - a. If the single point SAR measurements for the adjacent states are lower than the auto-tune state single point SAR measurement, proceed to step 6.
 - b. If the adjacent state single point SAR measurement is higher than the auto-tune state, but within the allowable tolerance, proceed to the next state in the list and run another single point SAR measurement. Repeat until there is a single point SAR measurement less than auto-tune state. Then proceed to step 6
 - c. If any single point SAR measurement is more than 5% higher than the auto-tune single point SAR measurement, the DAT is considered inoperative.
6. Once all additional states are run, without moving the DUT, repeat step 3 for a variability measurement. The variability measurement should be within the allowable tolerance to consider the DAT is functioning properly.

Additional tuner testing notes:

- The tuner state was able to be established remotely so that the device was not moved for the entire series of single point SAR for the tuner states in each combination.
- The SAR probe remained stationary at the same position throughout the entire series of single point measurements for each combination.
- When the single point SAR is >1.4 W/kg or 1g SAR was > 1.2 W/kg for a particular band/mode/exposure condition, point SAR measurements were made for all possible tuner states.

The operational description contains more information about the design and implementation of the dynamic antenna tuning.

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Table 15-1
UMTS Supplemental Head SAR Data

Supplemental Head SAR Data	
UMTS B5	
RMC	
Test Position	Right Cheek
Frequency (MHz)	846.60
Channel	4183
Measured 1g SAR (W/kg)	0.137
Average Value of Time Sweep (W/kg)	
Auto-tune (State 125)	
State 124	0.147
State 125	0.152
State 126	0.105
Auto-Tune Variability	0.143

Table 15-2
LTE Supplemental Head SAR Data

Supplemental Head SAR Data									
LTE B71		LTE B12		LTE B13		LTE B14		LTE B26	
QPSK, 20 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 15 MHz Bandwidth, 1 RB, 74 RB Offset	
Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	782.00	Frequency (MHz)	793.00	Frequency (MHz)	831.50
Channel	133297	Channel	23095	Channel	23230	Channel	23330	Channel	26865
Measured 1g SAR (W/kg)	0.193	Measured 1g SAR (W/kg)	0.163	Measured 1g SAR (W/kg)	0.214	Measured 1g SAR (W/kg)	0.192	Measured 1g SAR (W/kg)	0.141
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 1)		Auto-tune (State 1)		Auto-tune (State 110)		Auto-tune (State 110)		Auto-tune (State 89)	
State 1	0.219	State 1	0.193	State 109	0.197	State 109	0.181	State 88	0.189
State 2	0.166	State 2	0.166	State 110	0.212	State 110	0.202	State 89	0.201
State 144	0.001	State 144	0.002	State 111	0.213	State 111	0.202	State 90	0.212
Auto-Tune Variability	0.220	Auto-Tune Variability	0.166	State 112	0.202	Auto-Tune Variability	0.204	State 91	0.053
				Auto-Tune Variability	0.213			Auto-Tune Variability	0.201

Table 15-3
NR Supplemental Head SAR Data

Supplemental Head SAR Data							
NR Band n71		NR Band n12		NR Band n14		NR Band n26	
DFT-s-OFDM QPSK, 35 MHz Bandwidth, 90 RB, 49 RB Offset		DFT-s-OFDM QPSK, 15 MHz Bandwidth, 1 RB, 77 RB Offset		DFT-s-OFDM QPSK, 10 MHz Bandwidth, 25 RB, 14 RB Offset		DFT-s-OFDM QPSK, 20 MHz Bandwidth, 1 RB, 104 RB Offset	
Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	793.00	Frequency (MHz)	831.50
Channel	136100	Channel	141500	Channel	158600	Channel	166300
Measured 1g SAR (W/kg)	0.180	Measured 1g SAR (W/kg)	0.203	Measured 1g SAR (W/kg)	0.225	Measured 1g SAR (W/kg)	0.202
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 1)		Auto-tune (State 1)		Auto-tune (State 110)		Auto-tune (State 88)	
State 1	0.204	State 1	0.197	State 109	0.193	State 87	0.263
State 2	0.159	State 2	0.181	State 110	0.213	State 88	0.267
State 144	0.116	State 144	0.040	State 111	0.215	State 89	0.257
Auto-Tune Variability	0.204	Auto-Tune Variability	0.196	State 112	0.212	Auto-Tune Variability	0.276
				Auto-Tune Variability	0.215		

Table 15-4
UMTS Supplemental Body SAR Data

Supplemental Body SAR Data	
UMTS B5	
RMC	
Test Position	Open Back
Spacing	5 mm
Frequency (MHz)	846.60
Channel	4233
Measured 1g SAR (W/kg)	1.050
Average Value of Time Sweep (W/kg)	
Auto-tune (State 50)	
State 49	1.240
State 50	1.260
State 51	1.240
Auto-Tune Variability	1.260

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Table 15-5
LTE Supplemental Body SAR Data

Supplemental Body SAR Data									
LTE B71		LTE B12		LTE B13		LTE B14		LTE B26	
QPSK, 20 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 49 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset		QPSK, 15 MHz Bandwidth, 1 RB, 74 RB Offset	
Test Position	Open Back	Test Position	Open Back	Test Position	Open Back	Test Position	Open Back	Test Position	Closed Back
Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	782.00	Frequency (MHz)	793.00	Frequency (MHz)	831.50
Channel	133297	Channel	23095	Channel	23230	Channel	23330	Channel	26865
Measured 1g SAR (W/kg)	0.932	Measured 1g SAR (W/kg)	0.806	Measured 1g SAR (W/kg)	0.958	Measured 1g SAR (W/kg)	0.917	Measured 1g SAR (W/kg)	0.992
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 1)		Auto-tune (State 28)		Auto-tune (State 14)		Auto-tune (State 110)		Auto-tune (State 54)	
State 1	1.180	State 27	0.916	State 13	1.190	State 109	1.040	State 48	1.170
State 2	0.911	State 28	0.917	State 14	1.220	State 110	1.290	State 49	1.190
State 144	0.145	State 29	0.913	State 15	1.190	State 111	1.230	State 50	1.210
Auto-Tune Variability	1.190	Auto-Tune Variability	0.918	Auto-Tune Variability	1.210	Auto-Tune Variability	1.210	State 51	1.210
								State 52	1.210
								State 53	1.220
								State 54	1.180
								State 55	0.458
								Auto-Tune Variability	1.170

Table 15-6
NR Supplemental Body SAR Data

Supplemental Body SAR Data							
NR Band n71		NR Band n12		NR Band n14		NR Band n26	
DFT-s-OFDM, QPSK, 35 MHz Bandwidth, 90 RB, 49 RB Offset		DFT-s-OFDM, QPSK, 15 MHz Bandwidth, 1 RB, 77 RB Offset		CP-OFDM, QPSK, 10 MHz Bandwidth, 1 RB, 1 RB Offset		CP-OFDM, QPSK, 20 MHz Bandwidth, 1 RB, 1 RB Offset	
Test Position	Open Back	Test Position	Closed Back	Test Position	Open Back	Test Position	Open Back
Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	793.00	Frequency (MHz)	831.50
Channel	136100	Channel	141500	Channel	158600	Channel	166300
Measured 1g SAR (W/kg)	0.985	Measured 1g SAR (W/kg)	0.858	Measured 1g SAR (W/kg)	0.979	Measured 1g SAR (W/kg)	0.908
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 1)		Auto-tune (State 1)		Auto-tune (State 110)		Auto-tune (State 86)	
State 1	1.350	State 1	1.010	State 109	1.020	State 85	1.130
State 2	1.140	State 2	0.968	State 110	1.090	State 86	1.190
State 144	0.047	State 144	0.051	State 111	1.070	State 87	1.110
Auto-Tune Variability	1.350	Auto-Tune Variability	1.000	Auto-Tune Variability	1.090	Auto-Tune Variability	1.130

15.2 NTN Duty Cycle Linearity Verification

SAR measurements were performed using FTM continuous wave (CW) mode at 100% duty cycle to represent worst-case conditions, in accordance with FCC KDB 447498 D04.

A scaling factor of 71% was applied to reflect the operational duty cycle declared by the manufacturer. Linearity was verified across multiple power levels, with deviations within 10%, consistent with the FCC TCB Workshop guidance (May 2017).

Table 15-7
Body Linearity verification

Exposure condition	Mode	Modulation	Antenna	SN	FRQ	CH	Tones	Tone Start	Spacing	Position
Body	NTN Band 255	CW	Ant M	0359M	1643.5	261674	1	6	5	Top Edge

Power %	Max Allowed Power	Measured Output power	Power Scale Factor	Duty Cycle Scale Factor	Measured SAR	Calculated Measured SAR (Theoretical)	Reported SAR	Scaled SAR from 100% Duty Cycle	Measured SAR vs. Calculated Measured SAR Deviation (%)	Reported SAR vs. Calculated Reported SAR Deviation (%)
100%	23.00	22.34	1.164	1	1.240	1.240	1.444	1.444	0.00%	0.00%
71%	21.51	21.30	1.050	0.71	1.010	0.976	1.061	1.025	-3.37%	-3.37%
50%	19.99	19.93	1.014	0.5	0.782	0.712	0.793	0.722	-8.96%	-8.96%

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16 EQUIPMENT LIST

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	E4404B	Spectrum Analyzer	N/A	N/A	N/A	MY45113242
Agilent	E4438C	ESG Vector Signal Generator	2025-11-02	Annual	2026-11-02	MY45093852
Agilent	N5182A	MXG Vector Signal Generator	2025-05-30	Annual	2026-05-30	MY48180366
Agilent	8753ES	S-Parameter Vector Network Analyzer	2025-10-28	Annual	2026-10-28	MY40003841
Agilent	8753ES	S-Parameter Vector Network Analyzer	2025-10-27	Annual	2026-10-27	US39170118
Agilent	E5515C	Wireless Communications Test Set	2025-07-03	Annual	2026-07-03	MY50262130
Agilent	N4010A	Wireless Connectivity Test Set	N/A	N/A	N/A	GB46170464
Amplifier Research	1551G6	Amplifier	CBT	N/A	CBT	433973
Amplifier Research	1551G6	Amplifier	CBT	N/A	CBT	433974
Amplifier Research	150A100C	Amplifier	CBT	N/A	CBT	350132
Anritsu	MN8110B	I/O Adaptor	CBT	N/A	CBT	6261747881
Anritsu	ML2496A	Power Meter	2025-08-21	Annual	2026-08-21	1138001
Anritsu	ML2496A	Power Meter	2025-06-27	Annual	2026-06-27	1840005
Anritsu	MA2411B	Pulse Power Sensor	2025-10-14	Annual	2026-10-14	1726262
Anritsu	MA2411B	Pulse Power Sensor	2025-10-14	Annual	2026-10-14	1027293
Insize	1108-150	Insize - Digital Caliper	2026-01-07	Annual	2027-01-07	1410255640
Anritsu	MA24106A	USB Power Sensor	2025-08-04	Annual	2026-08-04	1827530
Anritsu	MA24106A	USB Power Sensor	2026-02-20	Annual	2027-02-20	1520501
Mini-Circuits	PWR-4GHS	9-KHz-4000MHz USB Power Sensor	2025-06-20	Annual	2026-06-20	12503270057
Control Company	4352	Long Stem Thermometer	2025-12-22	Biennial	2027-12-22	250770121
Control Company	4352	Long Stem Thermometer	2025-12-22	Biennial	2027-12-22	250770096
Control Company	4040	Therm./ Clock/ Humidity Monitor	2025-12-29	Biennial	2027-12-29	250778120
Control Company	4040	Therm./ Clock/ Humidity Monitor	2025-10-24	Biennial	2027-10-24	250652331
Control Company	4040	Therm./ Clock/ Humidity Monitor	2024-10-15	Biennial	2026-10-15	240763503
Keysight Technologies	N9020A	MXA Signal Analyzer	2025-07-07	Annual	2026-07-07	MY48010233
Agilent	N9020A	MXA Signal Analyzer	2025-07-07	Biennial	2027-07-07	MY56470202
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1139
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	2025-07-03	Annual	2026-07-03	31634
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-1200+	Low Pass Filter DC to 1000 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	BW-N20W5	Power Attenuator	CBT	N/A	CBT	1226
Mini-Circuits	ZUDC10-83-S+	Directional Coupler	CBT	N/A	CBT	2050
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Narda	BW-S3W2	Attenuator (3dB)	CBT	N/A	CBT	120
Pasternack	NC-100	Torque Wrench	2025-05-29	Biennial	2027-05-29	N/A
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	2025-07-09	Annual	2026-07-09	166462
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	2024-08-27	Biennial	2026-08-27	167085
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	2025-10-24	Annual	2026-10-24	131453
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	2025-10-24	Annual	2026-10-24	131454
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	2025-10-23	Annual	2026-10-23	150117
Anritsu	MT8000A	Radio Communication Test Station	2025-10-17	Annual	2026-10-17	6272337405
Anritsu	MT8000A	Radio Communication Test Station	2025-06-05	Annual	2026-06-05	6261987986
Anritsu	MT8821C	Radio Communication Analyzer	2025-09-15	Annual	2026-09-15	6201144419
Anritsu	MT8821C	Radio Communication Analyzer	2025-09-15	Annual	2026-09-15	6201381786
Anritsu	MT8821C	Radio Communication Analyzer	2025-09-15	Annual	2026-09-15	6201381794

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Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
SPEAG	DAK-3.5	Dielectric Assessment Kit	2025-11-10	Annual	2026-11-10	1277
SPEAG	DAKS-3.5	Portable Dielectric Assessment Kit	2025-08-05	Annual	2026-08-05	1041
SPEAG	DAKS-3.5	Portable Dielectric Assessment Kit	2025-07-14	Annual	2026-07-14	1039
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1237
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1331
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1390
SPEAG	DAK-12	Dielectric Assessment Kit (4MHz - 3GHz)	2025-11-16	Annual	2026-11-16	1220
GW Instek	GPS-3030DD	DC Power Supply	N/A	N/A	N/A	E1883874
SPEAG	CLA-13	Confined Loop Antenna	2025-09-04	Annual	2026-09-04	1002
SPEAG	D1640V2	1640 MHz SAR Dipole	2025-11-03	Annual	2026-11-03	321
SPEAG	D1750V2	1750 MHz SAR Dipole	2025-06-04	Annual	2026-06-04	1092
SPEAG	D1750V2	1750 MHz SAR Dipole	2025-06-04	Annual	2026-06-04	1051
SPEAG	D1750V2	1750 MHz SAR Dipole	2024-11-07	Biennial	2026-11-07	1150
SPEAG	D1750V2	1750 MHz SAR Dipole	2025-01-13	Biennial	2027-01-13	1148
SPEAG	D1900V2	1900 MHz SAR Dipole	2025-06-03	Annual	2026-06-03	5d026
SPEAG	D1900V2	1900 MHz SAR Dipole	2025-02-07	Biennial	2027-02-07	5d148
SPEAG	D1900V2	1900 MHz SAR Dipole	2025-08-07	Annual	2026-08-07	5d080
SPEAG	D1900V2	1900 MHz SAR Dipole	2025-06-03	Annual	2026-06-03	5d141
SPEAG	D2300V2	2300 MHz SAR Dipole	2026-02-12	Annual	2027-02-12	1008
SPEAG	D2300V2	2300 MHz SAR Dipole	2024-06-14	Biennial	2026-06-14	1116
SPEAG	D2450V2	2450 MHz SAR Dipole	2025-10-07	Annual	2026-10-07	797
SPEAG	D2450V2	2450 MHz SAR Dipole	2024-08-07	Biennial	2026-08-07	719
SPEAG	D2450V2	2450 MHz SAR Dipole	2025-06-03	Annual	2026-06-03	945
SPEAG	D2600V2	2600 MHz SAR Dipole	2025-08-11	Annual	2026-08-11	1126
SPEAG	D2600V2	2600 MHz SAR Dipole	2025-06-03	Annual	2026-06-03	1009
SPEAG	D2600V2	2600 MHz SAR Dipole	2025-11-10	Annual	2026-11-10	1071
SPEAG	D2600V2	2600 MHz SAR Dipole	2025-06-06	Annual	2026-06-06	1064
SPEAG	D3500V2	3500 MHz SAR Dipole	2025-12-08	Annual	2026-12-08	1068
SPEAG	D3500V2	3500 MHz SAR Dipole	2025-06-02	Annual	2026-06-02	1127
SPEAG	D3700V2	3700 MHz SAR Dipole	2025-12-08	Annual	2026-12-08	1029
SPEAG	D3700V2	3700 MHz SAR Dipole	2025-06-02	Annual	2026-06-02	1096
SPEAG	D3900V2	3900 MHz SAR Dipole	2025-11-03	Annual	2026-11-03	1113
SPEAG	D3900V2	3900 MHz SAR Dipole	2025-06-02	Annual	2026-06-02	1074
SPEAG	D5GHzV2	5 GHz SAR Dipole	2024-02-21	Triennial	2027-02-21	1057
SPEAG	D5GHzV2	5 GHz SAR Dipole	2026-01-16	Annual	2027-01-16	1191
SPEAG	D6.5GHzV2	6.5 GHz SAR Dipole	2025-12-05	Annual	2026-12-05	1018
SPEAG	D6.5GHzV2	6.5 GHz SAR Dipole	2026-02-10	Annual	2027-02-10	1111
SPEAG	D750V3	750 MHz SAR Dipole	2026-02-03	Annual	2027-02-03	1046
SPEAG	D750V3	750 MHz SAR Dipole	2024-10-07	Biennial	2026-10-07	1161
SPEAG	D750V3	750 MHz SAR Dipole	2025-06-03	Annual	2026-06-03	1003
SPEAG	D835V2	835 MHz SAR Dipole	2024-03-11	Triennial	2027-03-11	4d133
SPEAG	D835V2	835 MHz SAR Dipole	2025-06-03	Annual	2026-06-03	4d180
SPEAG	5G Verification Source 10 GHz	10GHz System Verification Antenna	2025-08-06	Annual	2026-08-06	1004
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-06-04	Annual	2026-06-04	1333
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-06-05	Annual	2026-06-05	1558
SPEAG	DAE4	Dasy Data Acquisition Electronics	2026-03-10	Annual	2027-03-10	1450
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-05-09	Annual	2026-05-09	1678
SPEAG	DAE4	Dasy Data Acquisition Electronics	2026-02-09	Annual	2027-02-09	859
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-09-10	Annual	2026-09-10	1364
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-10-13	Annual	2026-10-13	1449
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-06-04	Annual	2026-06-04	1652
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-06-04	Annual	2026-06-04	1502
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-12-04	Annual	2026-12-04	1322
SPEAG	DAE4	Dasy Data Acquisition Electronics	2026-01-12	Annual	2027-01-12	1466
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-11-05	Annual	2026-11-05	1677
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-10-13	Annual	2026-10-13	1583
SPEAG	DAE4ip	Dasy Data Acquisition Electronics	2026-02-09	Annual	2027-02-09	1638
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-04-07	Annual	2026-04-07	1368
SPEAG	DAE4	Dasy Data Acquisition Electronics	2025-04-10	Annual	2026-04-10	1272
SPEAG	DAE4ip	Dasy Data Acquisition Electronics	2026-01-08	Annual	2027-01-08	1639
SPEAG	EX3DV4	SAR Probe	2025-06-12	Annual	2026-06-12	7402
SPEAG	EX3DV4	SAR Probe	2025-06-11	Annual	2026-06-11	7409
SPEAG	EX3DV4	SAR Probe	2025-10-13	Annual	2026-10-13	7670
SPEAG	EX3DV4	SAR Probe	2025-12-10	Annual	2026-12-10	7547
SPEAG	EX3DV4	SAR Probe	2025-10-13	Annual	2026-10-13	7803
SPEAG	EX3DV4	SAR Probe	2026-02-11	Annual	2027-02-11	7570
SPEAG	EX3DV4	SAR Probe	2026-01-14	Annual	2027-01-14	7565
SPEAG	EX3DV4	SAR Probe	2025-06-11	Annual	2026-06-11	7661
SPEAG	EX3DV4	SAR Probe	2025-05-09	Annual	2026-05-09	7660
SPEAG	EX3DV4	SAR Probe	2025-10-14	Annual	2026-10-14	7527
SPEAG	EX3DV4	SAR Probe	2025-11-07	Annual	2026-11-07	7406
SPEAG	EX3DV4	SAR Probe	2025-09-15	Annual	2026-09-15	7558
SPEAG	EX3DV4	SAR Probe	2026-02-11	Annual	2027-02-11	7417
SPEAG	EX3DV4	SAR Probe	2026-03-11	Annual	2027-03-11	7539
SPEAG	EX3DV4	SAR Probe	2025-06-12	Annual	2026-06-12	7637
SPEAG	EX3DV4	SAR Probe	2025-04-07	Annual	2026-04-07	7659
SPEAG	EX3DV4	SAR Probe	2025-04-11	Annual	2026-04-11	7546
SPEAG	EUmWV3	EUmWV3 Probe	2025-10-08	Annual	2026-10-08	9407

Note: CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.

Note: All equipment was used solely within its respective calibration period.

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17 MEASUREMENT UNCERTAINTIES

Note: The tables below represent the worst-case uncertainty budget among the uncertainty budgets of all testing laboratories listed in Section 1.2

Applicable for SAR measurements < 6GHz on a flat phantom:

SAR Uncertainty Budget based on IEEE 1528-2013 and SPEAG (0.3 GHz to 6 GHz)

a	b	c	d	e f(d,k)	f	g	h cx/e	i cxg/e	k
Uncertainty component	Reference	Tol. (± %)	Prob. dist.	Dvi.	ci (1g)	ci (10g)	1g ui (± %)	10g ui (± %)	vi
Measurement system									
Probe calibration	E.2.1	6.55	N	1	1	1	6.55	6.55	∞
Axial isotropy	E.2.2	0.25	N	1	0.707	0.707	0.18	0.18	∞
Hemispherical isotropy	E.2.2	1.30	N	1	0.707	0.707	0.92	0.92	∞
Boundary effect	E.2.3	2.00	R	1.73	1	1	1.15	1.15	∞
Linearity	E.2.4	0.30	R	1.73	1	1	0.17	0.17	∞
System detection limits	E.2.4	0.25	R	1.73	1	1	0.14	0.14	∞
Modulation response	E.2.5	4.80	R	1.73	1	1	2.77	2.77	∞
Readout electronics	E.2.6	0.30	N	1	1	1	0.30	0.30	∞
Response time	E.2.7	1.01	R	1.73	1	1	0.58	0.58	∞
Integration time	E.2.8	2.60	R	1.73	1	1	1.50	1.50	∞
RF ambient conditions - noise	E.6.1	3.00	R	1.73	1	1	1.73	1.73	∞
RF ambient conditions - reflections	E.6.1	3.00	R	1.73	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	E.6.2	0.04	R	1.73	1	1	0.02	0.02	∞
Probe positioning with respect to phantom shell	E.6.3	0.80	R	1.73	1	1	0.46	0.46	∞
Extrapolation, interpolation, and integration algorithms for max. SAR evaluation	E.5	4.00	R	1.73	1	1	2.31	2.31	∞
Test sample related									
Test sample positioning	E.4.2	3.12	N	1	1	1	3.12	3.12	35
Device holder uncertainty	E.4.1	1.67	N	1	1	1	1.67	1.67	5
Output power variation - SAR drift	E.2.9	5.00	R	1.73	1	1	2.89	2.89	∞
SAR scaling	E.6.5	0.00	R	1.73	1	1	0.00	0.00	∞
Phantom and tissue parameters									
Phantom shell uncertainty - shape, thickness and permittivity	E.3.1	7.60	R	1.73	1	1	4.39	4.39	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	0.00	N	1	1	1	0.00	0.00	∞
Liquid conductivity measurement	E.3.3	2.50	N	1	0.78	0.71	1.95	1.78	∞
Liquid permittivity measurement	E.3.3	2.50	N	1	0.23	0.26	0.58	0.65	∞
Liquid conductivity - temperature uncertainty	E.3.4	3.36	R	1.73	0.78	0.71	1.51	1.38	∞
Liquid permittivity - temperature uncertainty	E.3.4	0.77	R	1.73	0.23	0.26	0.10	0.12	∞
Liquid Conductivity - deviation from target values	E.3.2	5.00	R	1.73	0.64	0.43	1.85	1.24	∞
Liquid Permittivity - deviation from target values	E.3.2	5.00	R	1.73	0.60	0.49	1.73	1.41	∞
Combined standard uncertainty							11.0	10.8	40
Expanded uncertainty (95% confidence interval)							21.9	21.6	

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Applicable for SAR measurements <300 MHz and > 6 GHz on a flat phantom:

SAR Uncertainty Budget based on IEC/IEEE 62209-1528:2020 (4 MHz to 10 GHz)

Symbol	Input quantity X (source of uncertainty)	Ref.	Prob. Dist. PDFi	Unc. a(xi)	Div. qi	u(xi) = a(xi)/qi	ci (1g)	ci (10g)	u(y) = cixu(xi) 1g (± %)	u(y) = cixu(xi) 10g (± %)	vi
Measurement system errors											
CF	Probe calibration	8.4.1.1	N (k=2)	9.30	1	9.30	1	1	9.30	9.30	∞
CFdrift	Probe calibration drift	8.4.1.2	R	1.70	1.73	0.98	1	1	0.98	0.98	∞
LIN	Probe linearity and detection limit	8.4.1.3	R	4.70	1.73	2.71	1	1	2.71	2.71	∞
BBS	Broadband signal	8.4.1.4	R	2.80	1.73	1.62	1	1	1.62	1.62	∞
ISO	Probe isotropy	8.4.1.5	R	7.60	1.73	4.39	1	1	4.39	4.39	∞
DAE	Other probe and data acquisition errors	8.4.1.6	N	2.40	1	2.40	1	1	2.40	2.40	∞
AMB	RF ambient and noise	8.4.1.7	N	1.80	1	1.80	1	1	1.80	1.80	∞
Δxyz	Probe positioning errors	8.4.1.8	N	0.30	1	0.30	1	1	0.30	0.30	∞
DAT	Data processing errors	8.4.1.9	N	3.50	1.00	3.50	1	1	3.50	3.50	∞
Phantom and device (DUT or validation antenna) errors											
LIQ(σ)	Measurement of phantom conductivity	8.4.2.1	N	2.50	1	2.50	0.78	0.71	1.95	1.78	∞
LIQ(Tc)	Temperature effects (medium)	8.4.2.2	R	5.40	1.73	3.12	0.78	0.71	2.43	2.21	∞
EPS	Shell permittivity	8.4.2.3	R	14.00	1.73	8.08	0.5	0.5	4.04	4.04	∞
DIS	Distance between the radiating element of the DUT and the phantom medium	8.4.2.4	N	2.00	1	2.00	2	2	4.00	4.00	∞
Dxyz	Repeatability of positioning the DUT or source against the phantom	8.4.2.5	N	3.12	1	3.12	1	1	3.12	3.12	35
H	Device holder effects	8.4.2.6	N	1.67	1	1.67	1	1	1.67	1.67	5
MOD	Effect of operating mode on probe sensitivity	8.4.2.7	R	2.40	1.73	1.39	1	1	1.39	1.39	∞
TAS	Time-average SAR	8.4.2.8	R	1.73	1.73	1.00	1	1	1.00	1.00	∞
RFdrift	Variation in SAR due to drift in output power of DUT	8.4.2.9	N	2.50	1	2.50	1	1	2.50	2.50	∞
VAL	Validation antenna uncertainty (validation measurement only)	8.4.2.10	N	0.00	1	0.00	1	1	0.00	0.00	∞
Pin	Uncertainty in accepted power (validation measurement only)	8.4.2.11	N	0.00	1	0.00	1	1	0.00	0.00	∞
Corrections to the SAR result (if applied)											
C(ε',σ)	Phantom deviation from target	8.4.3.1	R	5.00	1.73	2.89	0.64	0.43	1.85	1.24	∞
C(R)	SAR scaling	8.4.3.2	R	0.00	1.73	0.00	1	1	0.00	0.00	∞
u(ASAR)	Combined uncertainty								14.32	14.20	40
U	Expanded uncertainty and effective degrees of freedom								28.65	28.40	

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Applicable for Incident Power Density Measurements:

PD Uncertainty Budget based on IEC IEEE 63195-1 for PTP-PR Reconstruction Mode and/or IPD Measurement at $d < \lambda/5$ under 24 GHz

Symbol	Source of uncertainty	Description	Unc. $\pm$ dB	Prob. Dist.	Div. q_i	c_i	Standard uncertainty $\pm$ dB	v_i
Uncertainty terms dependent on the measurement system								
CAL	Calibration	8.4.1	0.49	N	1	1	0.49	∞
COR	Probe correction	8.4.2	0.00	R	1.73	1	0.00	∞
FRS	Frequency response	8.4.3	0.20	R	1.73	1	0.12	∞
SCC	Sensor cross coupling	8.4.4	0.00	R	1.73	1	0.00	∞
ISO	Isotropy	8.4.5	0.50	R	1.73	1	0.29	∞
LIN	System linearity error	8.4.6	0.20	R	1.73	1	0.12	∞
PSC	Probe scattering	8.4.7	0.00	R	1.73	1	0.00	∞
PPO	Probe positioning offset	8.4.8	0.30	R	1.73	1	0.17	∞
PPR	Probe positioning repeatability	8.4.9	0.04	R	1.73	1	0.02	∞
SMO	Sensor mechanical offset	8.4.10	0.02	R	1.73	1	0.01	∞
PSR	Probe spatial resolution	8.4.11	0.00	R	1.73	1	0.00	∞
FLD	Field impedance dependence	8.4.12	0.00	R	1.73	1	0.00	∞
MED	Measurement drift	8.4.13	0.00	R	1.73	1	0.00	∞
APN	Amplitude and phase noise	8.4.14	0.04	R	1.73	1	0.02	∞
TR	Measurement area truncation	8.4.15	0.10	R	1.73	1	0.06	∞
DAQ	Data acquisition	8.4.16	0.03	N	1	1	0.03	∞
SMP	Sampling	8.4.17	0.00	R	1.73	1	0.00	∞
REC	Field reconstruction	8.4.18	2.00	R	1.73	1	1.15	∞
SNR	Signal-to-noise ratio	8.4.19	0.00	N	1	1	0.00	∞
TRA	Forward and backward transformation	8.4.20	0.70	R	1.73	1	0.40	∞
SCA	Power density scaling	8.4.21	0.00	R	1.73	1	0.00	∞
SAV	Spatial averaging	8.4.22	0.10	R	1.73	1	0.06	∞
COM	Exposure combining	8.4.23	0.00	N	1	1	0.00	∞
SDL	System detection limit		0.04	R	1.73	1	0.02	∞
Uncertainty terms dependent on the DUT and environmental factors								
PC	Probe coupling with DUT	8.5.1	0.00	R	1.73	1	0.00	∞
MOD	Modulation response	8.5.2	0.40	R	1.73	1	0.23	∞
IT	Integration time	8.5.3	0.00	R	1.73	1	0.00	∞
RT	Response time	8.5.4	0.00	R	1.73	1	0.00	∞
DH	Device holder influence	8.5.5	0.10	R	1.73	1	0.06	∞
DA	DUT alignment	8.5.6	0.00	R	1.73	1	0.00	∞
AC	RF ambient conditions	8.5.7	0.04	R	1.73	1	0.02	∞
TEM	Laboratory temperature	8.5.8	0.00	R	1.73	1	0.00	∞
REF	Reflections in laboratory	8.5.9	0.04	R	1.73	1	0.02	∞
MSI	Immunity / secondary reception	8.5.10	0.00	R	1.73	1	0.00	∞
DRI	DUT drift	8.5.11	0.22	R	1.73	1	0.13	∞
u(ASAR)	Combined uncertainty						1.40	
U	Expanded uncertainty and effective degrees of freedom (95 % confidence interval)						2.80	

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18 CONCLUSION

18.1 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Innovation, Science, and Economic Development Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables. [3]

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APPENDIX A: SAR TEST PLOTS

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ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0668M

Communication System: UID:10021, GSM; MAIA: Y; Frequency: 848.800 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 848.800 MHz; cond = 0.887 S/m; perm = 41.1; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/10/2026; Ambient Temp: 20.8°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7409; ConvF:(9.16,8.82,9.31); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V17.0.2.6775

Mode: GSM 850, Antenna E, Exp: Head| Right Cheek, Ch. High

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

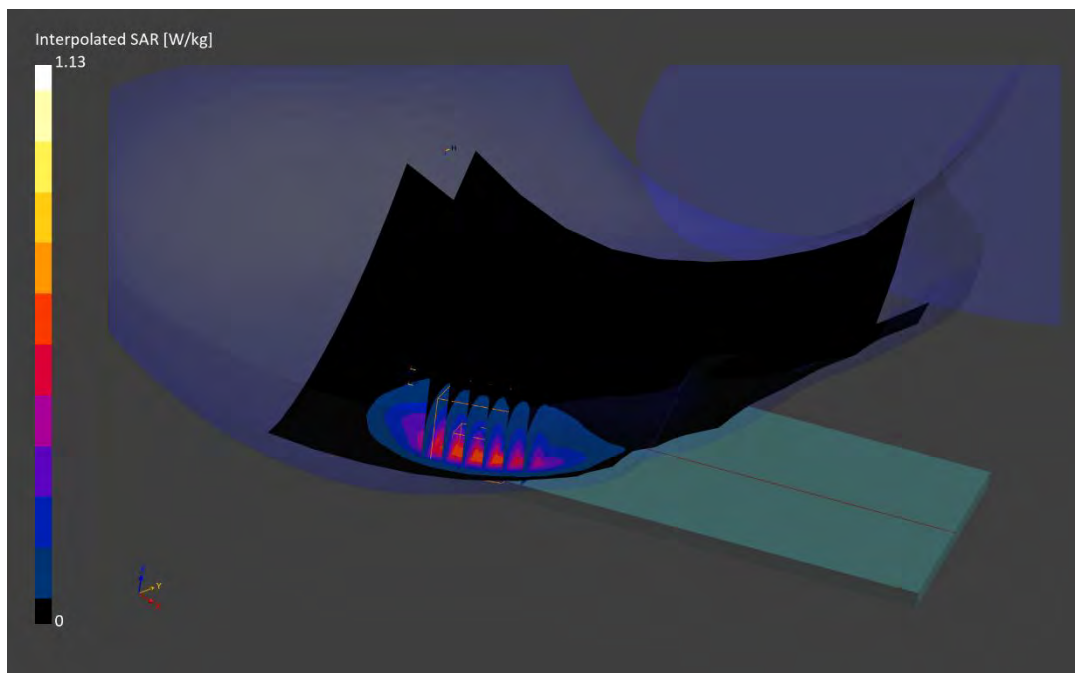
Reference Value = 0.43 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.531 W/kg

Smallest distance from peaks to all points 3 dB below is 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 77.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1153M

Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 836.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 836.600 MHz; cond = 0.897 S/m; perm = 40.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/02/2026; Ambient Temp: 20.7°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7409; ConvF:(9.16,8.82,9.31); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V8.0; Serial: 2063

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: GPRS 850, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. Mid, 4 Tx Slots

Area Scan (140.0 x 220.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

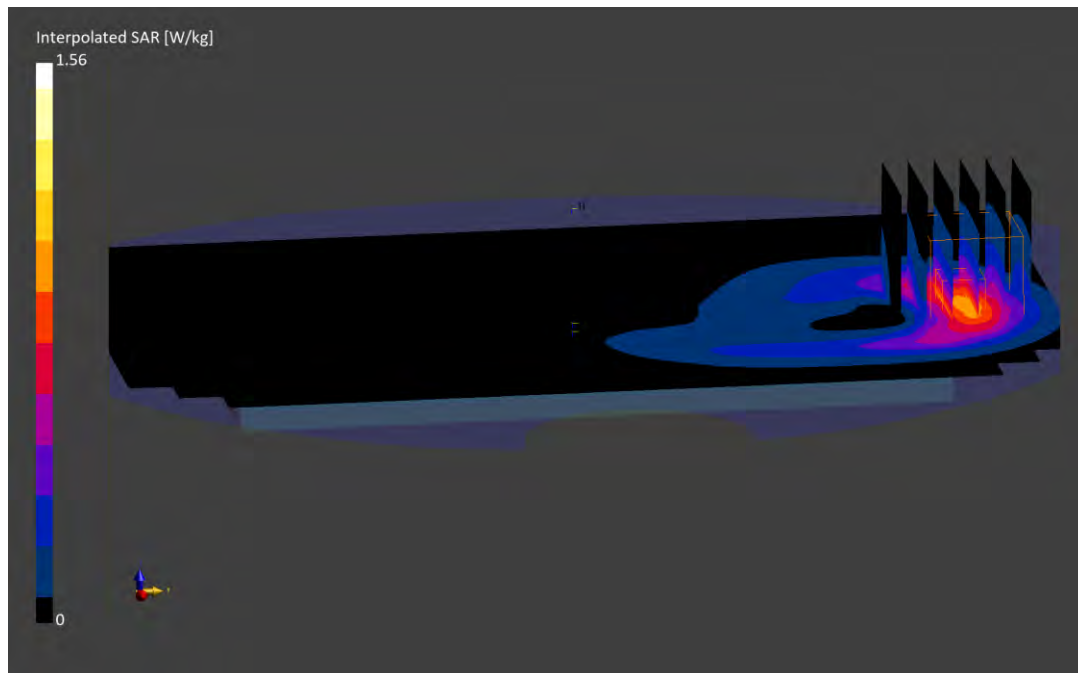
Reference Value = 0.08 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.842 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 82.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1156M

Communication System: UID:10021, GSM; MAIA: Y; Frequency: 1850.200 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1850.200 MHz; cond = 1.37 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 20.4°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7558; ConvF:(7.74,7.43,8.05); Calibrated: 2025-09-15

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1364; Calibrated: 2025-09-10

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V17.0.2.6775

Mode: GSM 1900, Antenna B, Exp: Head| Left Cheek, Ch. Low

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (42.0 x 42.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

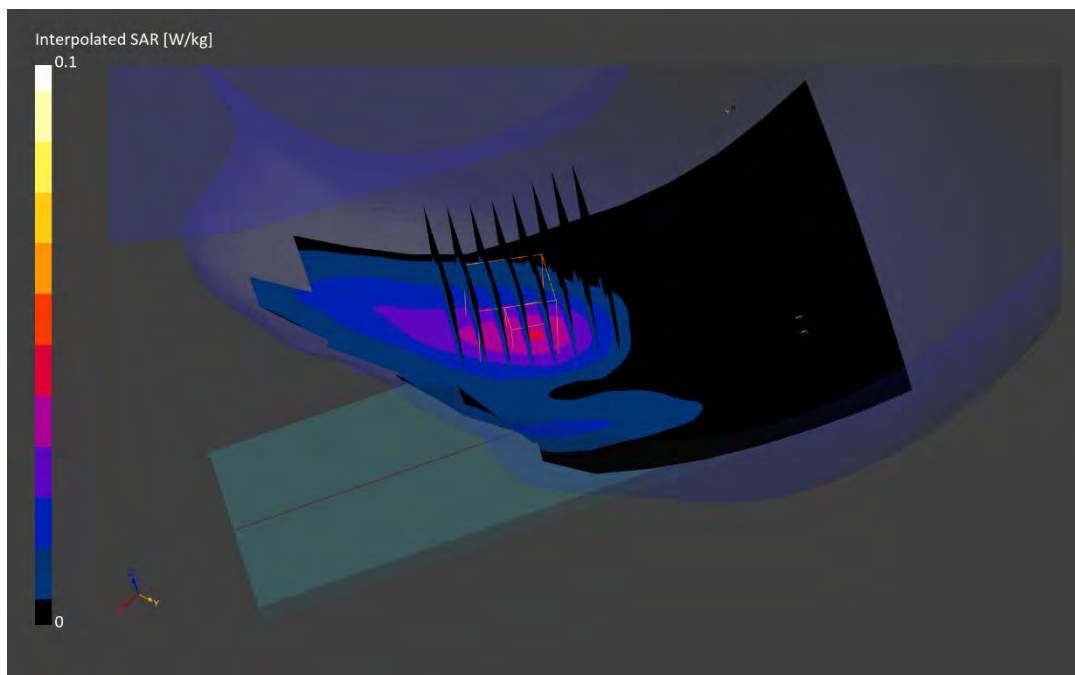
Reference Value = 0.03 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.048 W/kg

SAR(1 g) = 0.035 W/kg

Smallest distance from peaks to all points 3 dB below is 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 93.6 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0369M

Communication System: UID:10028 - DAC, GSM; MAIA: Y; Frequency: 1909.800 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1909.800$ MHz; $\text{cond} = 1.42$ S/m; $\text{perm} = 41.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/08/2026; Ambient Temp: 19.7°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7565; ConvF:(8.17,6.98,6.54); Calibrated: 2026-01-14

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1466; Calibrated: 2026-01-12

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: GPRS 1900, Antenna B, Open, Exp: Body-worn/ Body| Back Side, Ch. High, 4 Tx Slots

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (36.0 x 31.5 x 31.2): Measurement grid: $dx=4.5$ mm, $dy=4.5$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

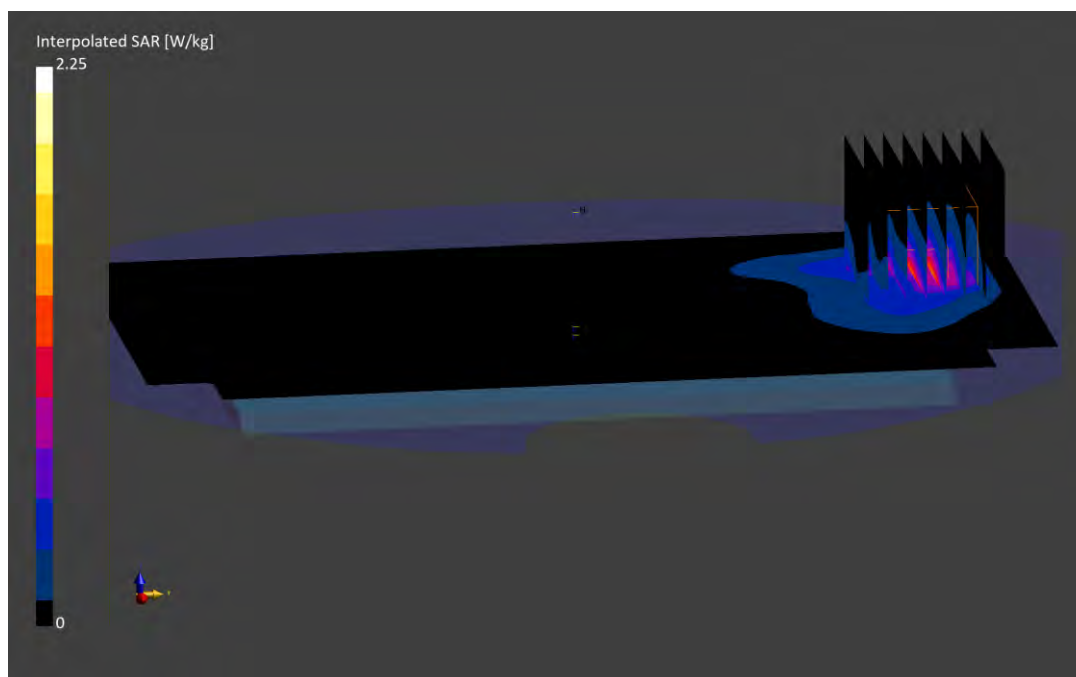
Reference Value = 0.83 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 1.07 W/kg

Smallest distance from peaks to all points 3 dB below is 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 78.4 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1165M

Communication System: UID:10011, UMTS-FDD; MAIA: Y; Frequency: 836.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 836.600 MHz; cond = 0.902 S/m; perm = 42.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/02/2026; Ambient Temp: 22.1°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7570; ConvF:(9.47,10.21,9.59); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V17.0.2.6775

Mode: UMTS 850, Antenna E, Exp: Head| Right Cheek, Ch. Mid

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

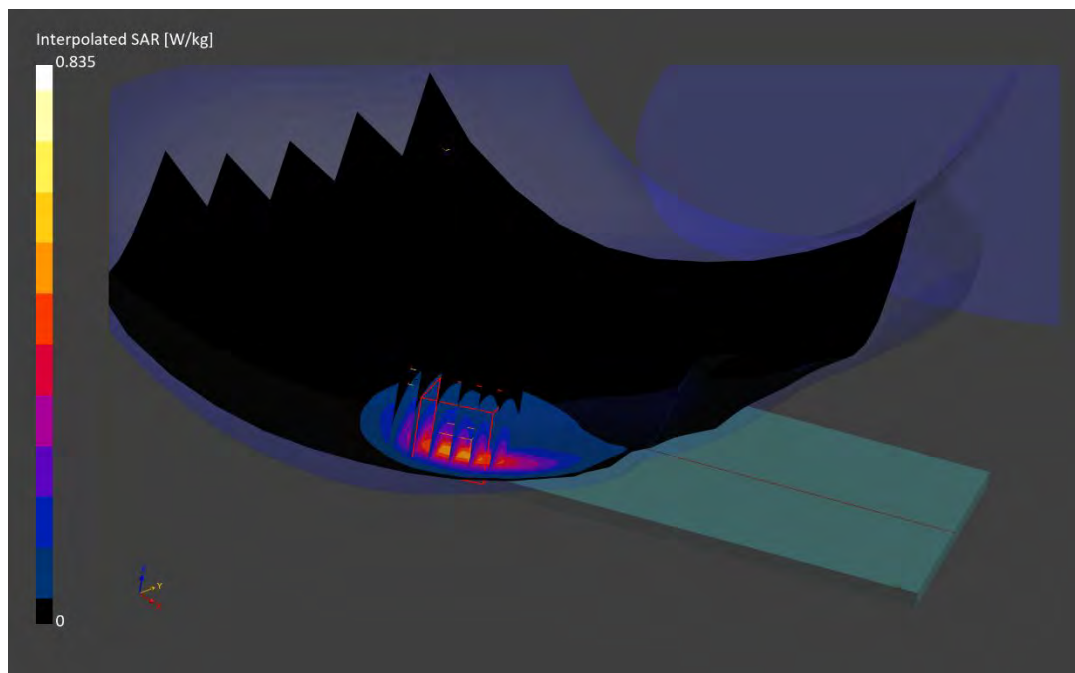
Reference Value = 0.43 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.835 W/kg

SAR(1 g) = 0.426 W/kg

Smallest distance from peaks to all points 3 dB below is 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 78.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0662M

Communication System: UID:10011, UMTS-FDD; MAIA: Y; Frequency: 846.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 846.600 MHz; cond = 0.906 S/m; perm = 42.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/02/2026 Ambient Temp: 22.1°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7570; ConvF:(9.47,10.21,9.59); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V17.0.2.6775

Mode: UMTS 850, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. High

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (35.4 x 35.4 x 31.2): Measurement grid: dx=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5

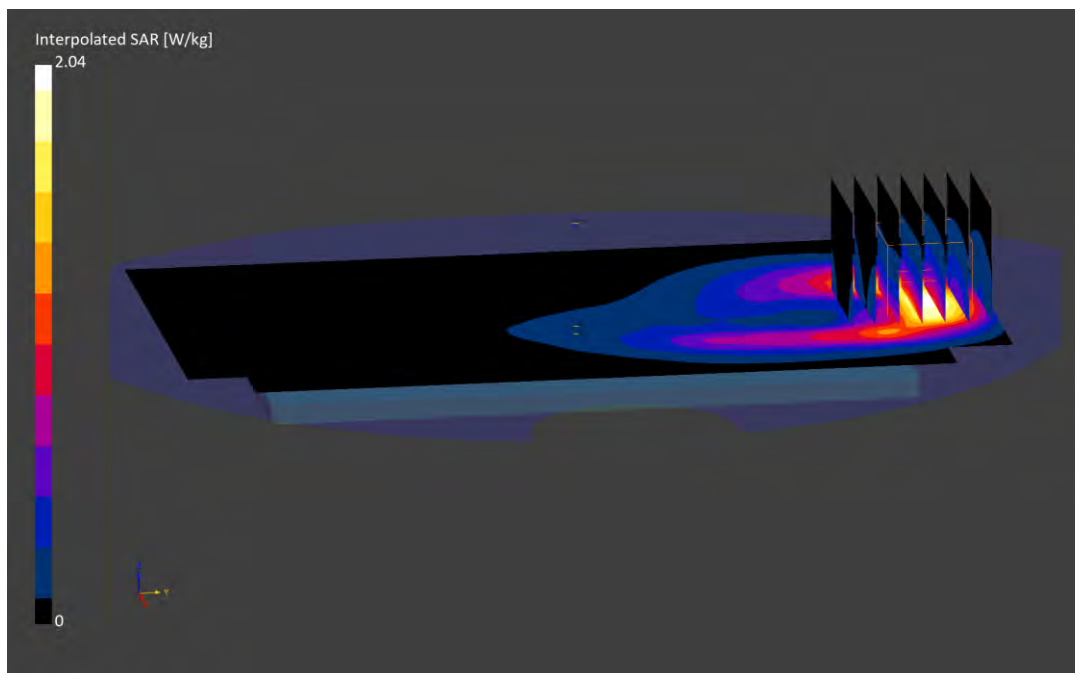
Reference Value = 1.02 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.05 W/kg

Smallest distance from peaks to all points 3 dB below is 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 81.2 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1165M

Communication System: UID:10011, UMTS-FDD; MAIA: Y; Frequency: 1752.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1752.600 MHz; cond = 1.31 S/m; perm = 39.8; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/05/2026; Ambient Temp: 22.1°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7570; ConvF:(7.65,8.24,7.75); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V17.0.2.6775

Mode: UMTS 1750, Antenna B, Exp: Head| Right Cheek, Ch. High

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

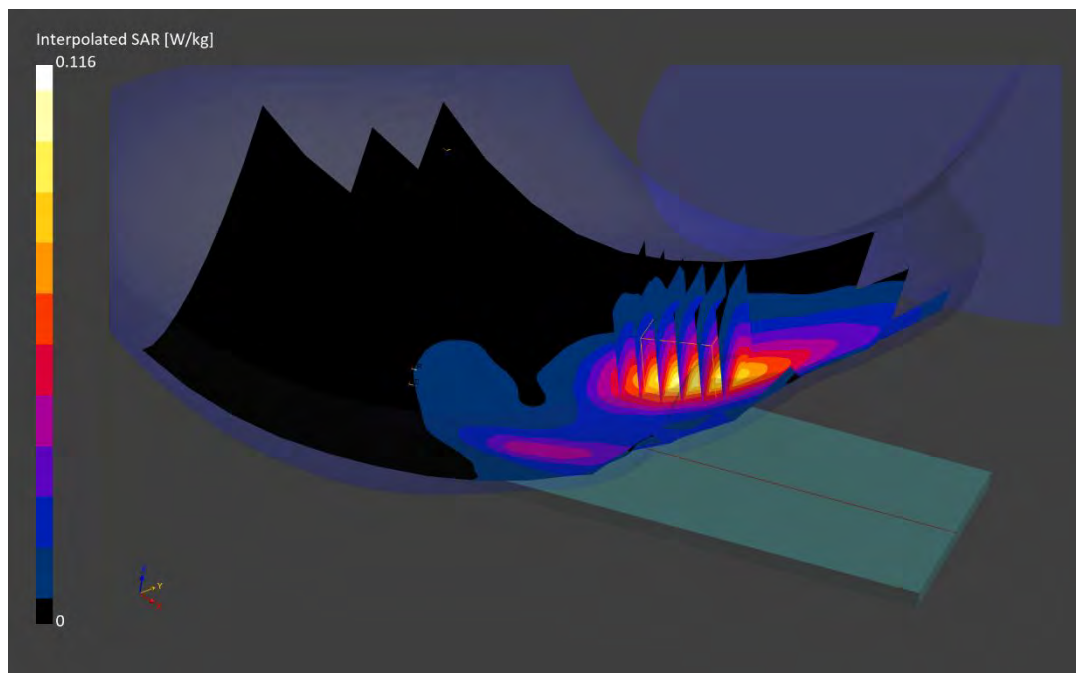
Reference Value = 0.09 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.116 W/kg

SAR(1 g) = 0.083 W/kg

Smallest distance from peaks to all points 3 dB below is 11.8 mm

Ratio of SAR at M2 to SAR at M1 = 90.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0876M

Communication System: UID:10011, WCDMA; MAIA: Y; Frequency: 1752.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1752.600 MHz; cond = 1.31 S/m; perm = 39.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/06/2026; Ambient Temp: 19.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(8.03,7.54,8.16); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: UMTS 1750, Antenna B, Open, Exp: Body| Bottom Edge, Ch. High

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

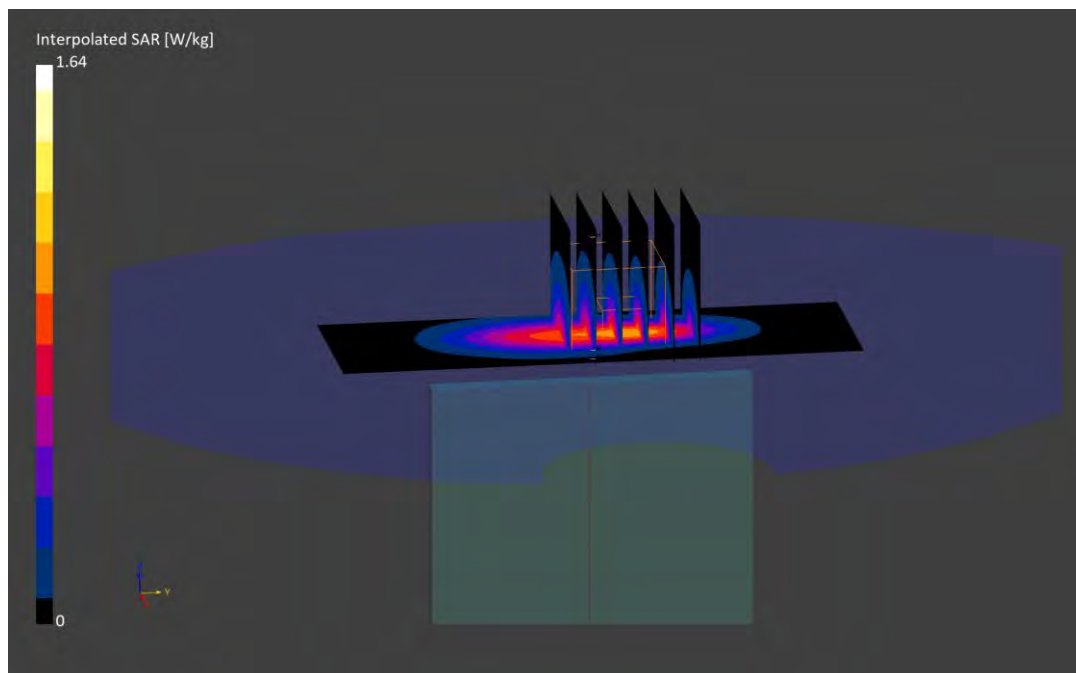
Reference Value = 0.65 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.822 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 80.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0876M

Communication System: UID: 10011, WCDMA; MAIA: Y; Frequency: 1752.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1752.600 MHz; cond = 1.31 S/m; perm = 39.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/06/2026; Ambient Temp: 19.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(8.03,7.54,8.16); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: UMTS 1750, Antenna B, Open, Exp: Body-worn/Body| Back Side, Ch. High

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

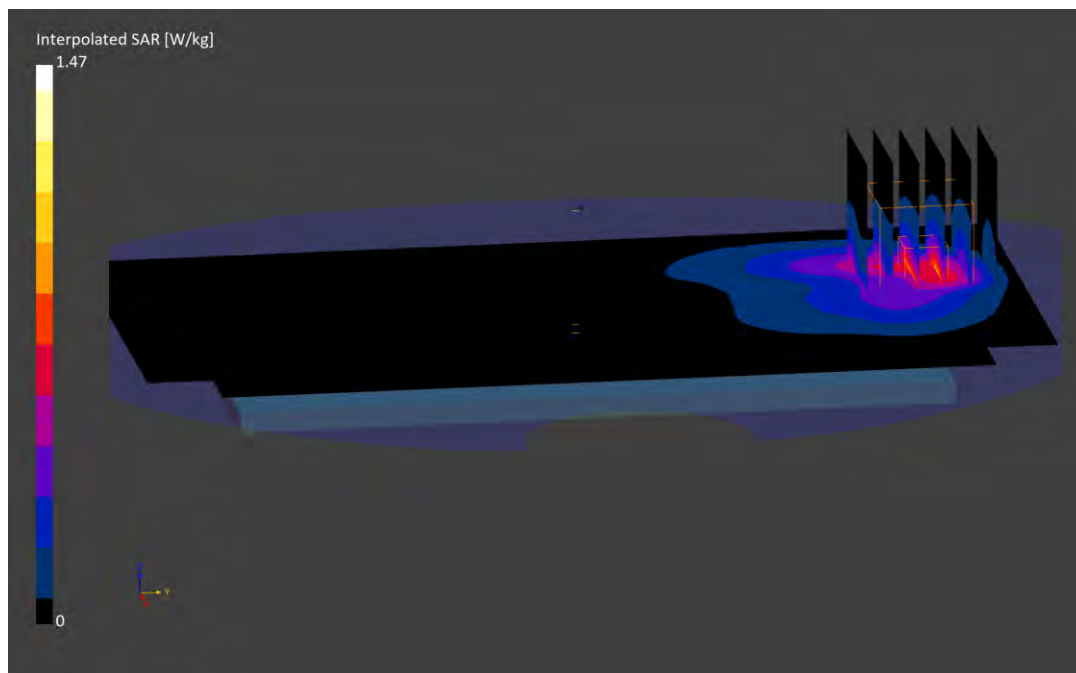
Reference Value = 0.54 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.759 W/kg

Smallest distance from peaks to all points 3 dB below is 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 80.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1165M

Communication System: UID:10011, UMTS-FDD; MAIA: Y; Frequency: 1907.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1907.600 MHz; cond = 1.39 S/m; perm = 39.6; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/05/2026; Ambient Temp: 22.1°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7570; ConvF:(7.3,7.87,7.4); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V17.0.2.6775

Mode: UMTS 1900, Antenna B, Exp: Head| Right Cheek, Ch. High

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

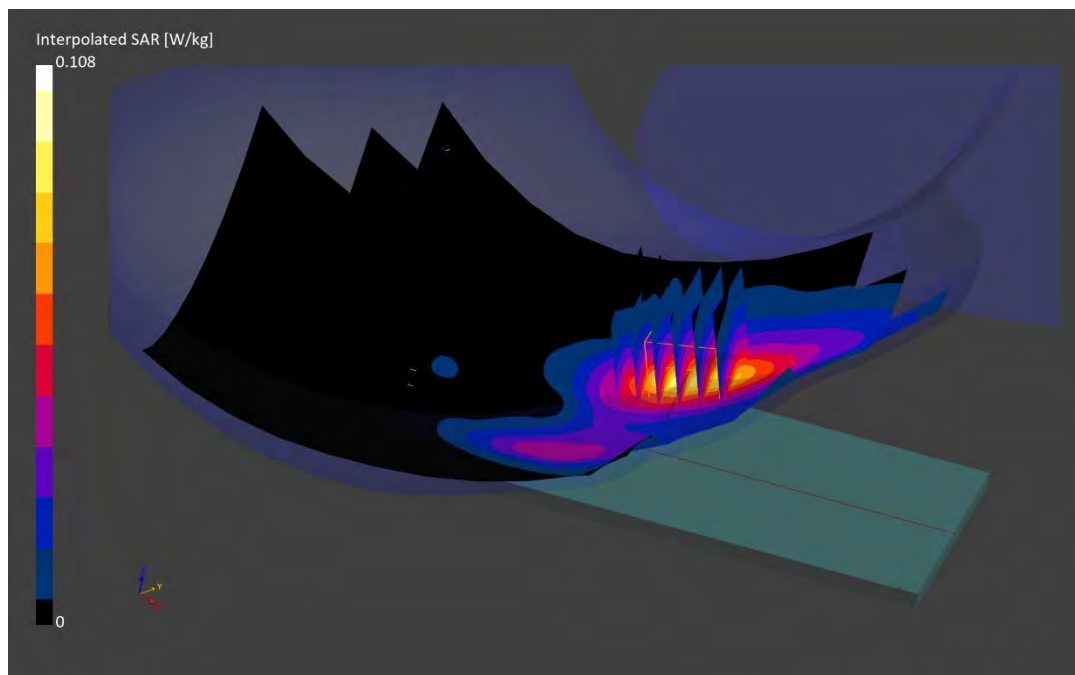
Reference Value = 0.04 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.108 W/kg

SAR(1 g) = 0.075 W/kg

Smallest distance from peaks to all points 3 dB below is 11.0 mm

Ratio of SAR at M2 to SAR at M1 = 89.9 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0876M

Communication System: UID:10011 - , WCDMA; MAIA: Y; Frequency: 1880.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1880.000 MHz; cond = 1.39 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/09/2026; Ambient Temp: 23.4°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.19,7.79); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: UMTS 1900, Antenna B, Open, Exp: Body| Bottom Edge, Ch. Mid

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (35.4 x 35.4 x 31.2): Measurement grid: dx=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5

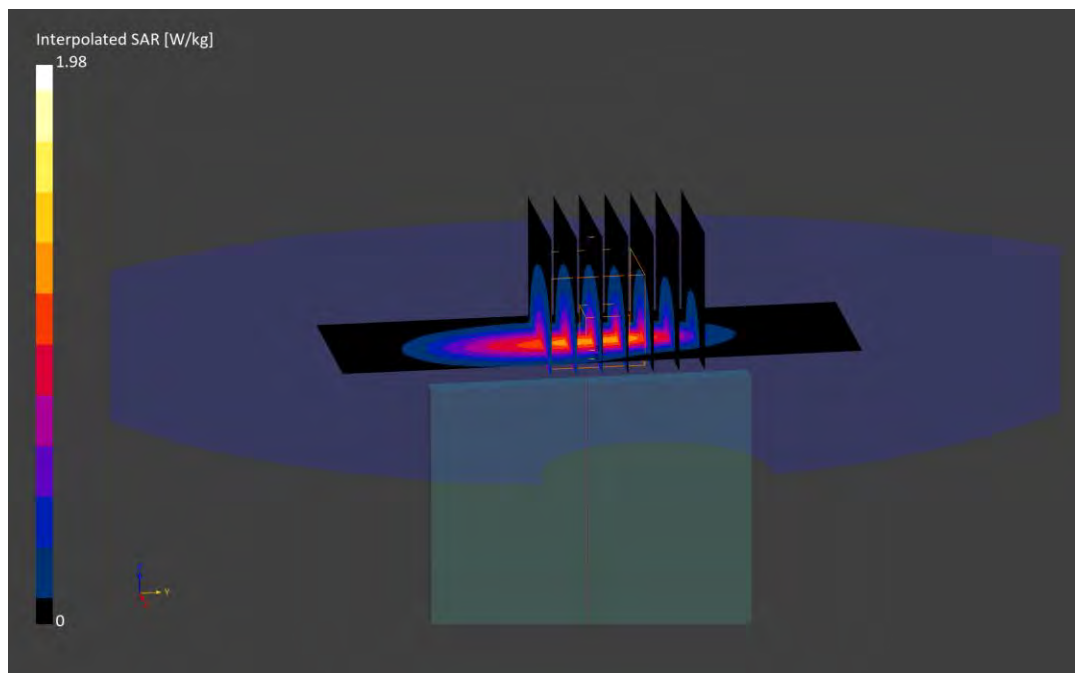
Reference Value = 0.70 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.952 W/kg

Smallest distance from peaks to all points 3 dB below is 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 79.2 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0876M

Communication System: UID:10011, WCDMA; MAIA: Y; Frequency: 1907.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1907.600 MHz; cond = 1.40 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/09/2026; Ambient Temp: 23.4°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.66,7.19,7.79); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: UMTS 1900, Antenna B, Open, Exp: Body-worn/ Body| Back Side, Ch. High

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

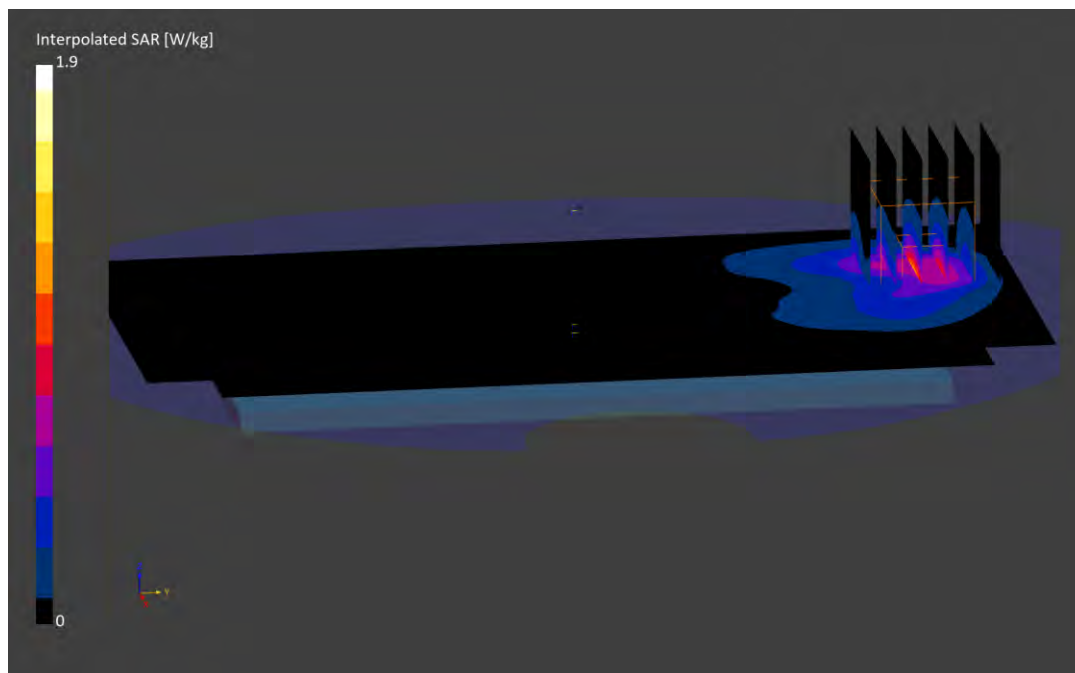
Reference Value = 0.64 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.911 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 79.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0777M

Communication System: UID:10100 - CAF, LTE-FDD; MAIA: Y; Frequency: 680.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 680.500 MHz; cond = 0.879 S/m; perm = 40.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7637; ConvF:(9.65,9.9,10.18); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1652; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1797

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 71, Antenna E, Exp: Head| Right Cheek, Ch. Mid,
20 MHz Bandwidth, QPSK, 100 RB, 0 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (43.2 x 43.2 x 31.2): Measurement grid: dx=5.4 mm, dy=5.4 mm, dz=1.5 mm; Graded Ratio: 1.5

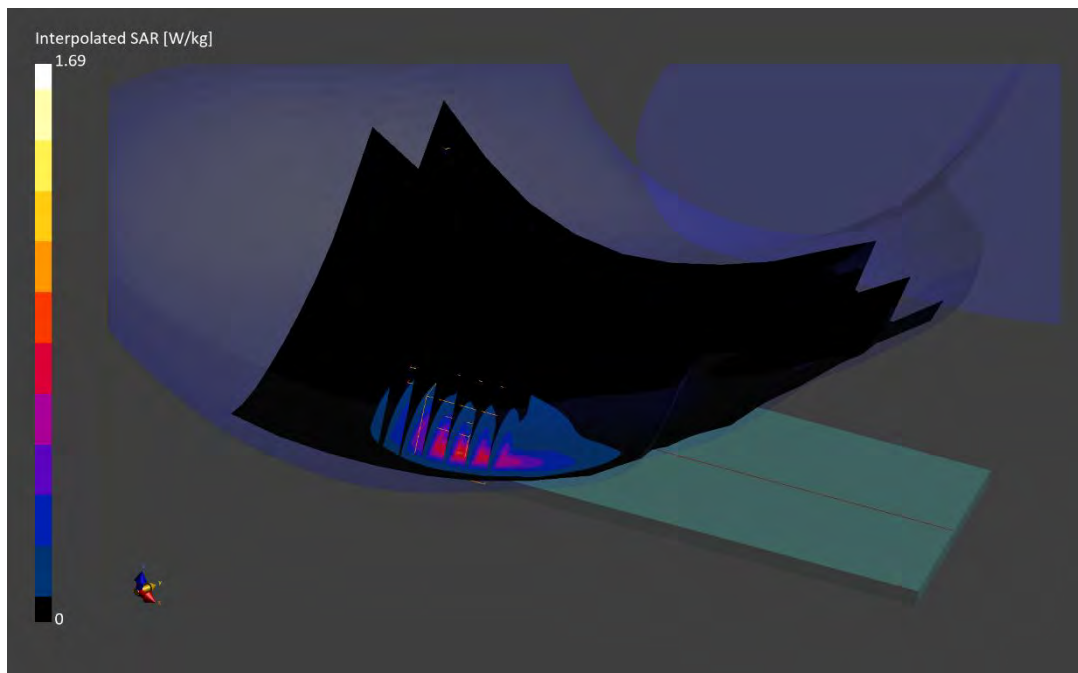
Reference Value = 0.55 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.695 W/kg

Smallest distance from peaks to all points 3 dB below is 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 73.6 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0777M

Communication System: UID:10169, LTE-FDD; MAIA: Y; Frequency: 680.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 680.500 MHz; cond = 0.845 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 02/25/2026; Ambient Temp: 22.7 °C; Tissue Temp: 23.5 °C

Probe: EX3DV4 - SN7547; ConvF:(9.95,9.84,8.92); Calibrated: 2025-12-10

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1322; Calibrated: 2025-12-04

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: LTE Band 71, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. Mid,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (35.4 x 35.4 x 31.2): Measurement grid: dx=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5

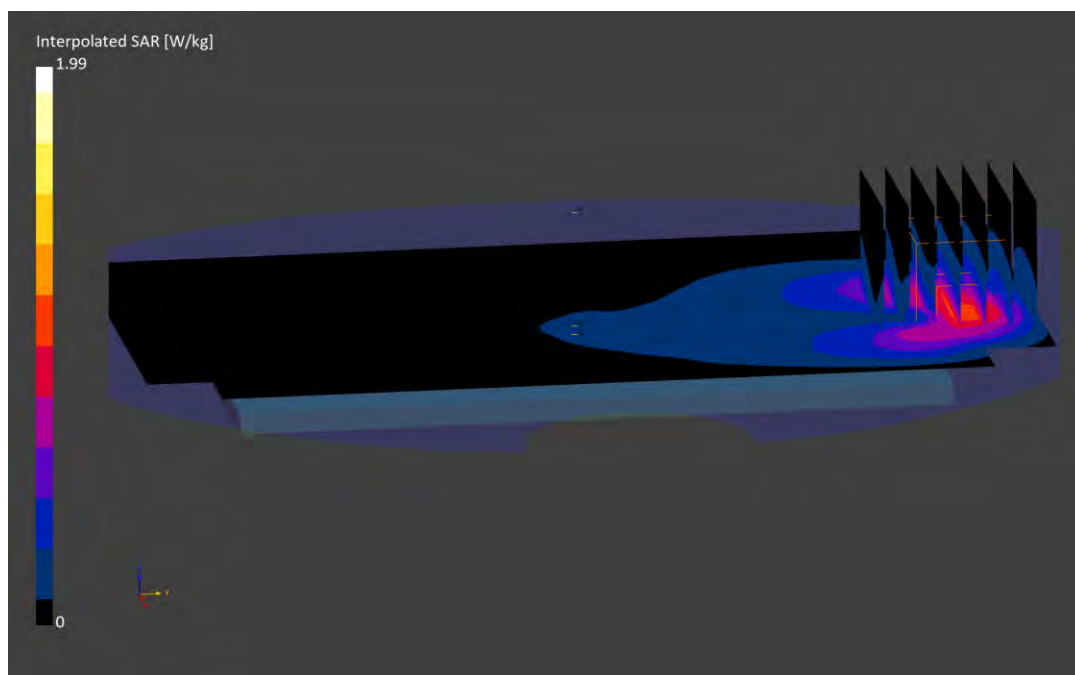
Reference Value = 0.68 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.932 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 77.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0777M

Communication System: UID:10154 - CAH, LTE-FDD; MAIA: Y; Frequency: 707.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 707.500 MHz; cond = 0.887 S/m; perm = 40.2; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7637; ConvF:(9.65,9.9,10.18); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1652; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1797

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 12, Antenna E, Exp: Head| Right Cheek, Ch. Mid,
10 MHz Bandwidth, QPSK, 25 RB, 25 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (42.0 x 42.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

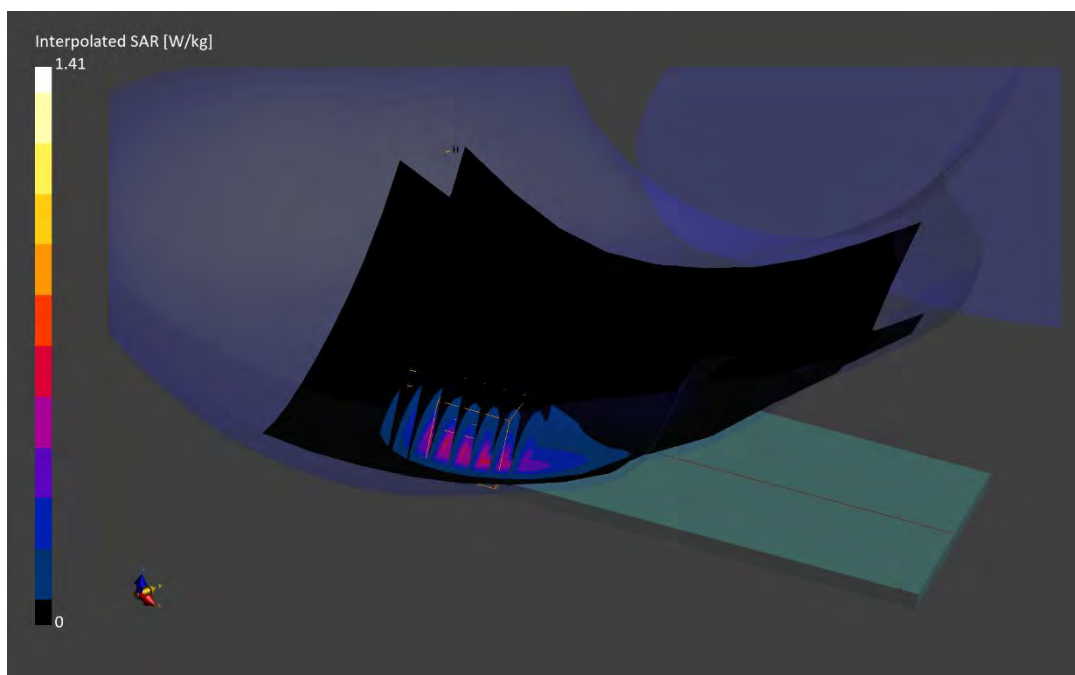
Reference Value = 0.47 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.598 W/kg

Smallest distance from peaks to all points 3 dB below is 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 72.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0350M

Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 707.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 707.500 MHz; cond = 0.899 S/m; perm = 41.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/13/2026; Ambient Temp: 23.1°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7570; ConvF:(9.63,10.38,9.76); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 12, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

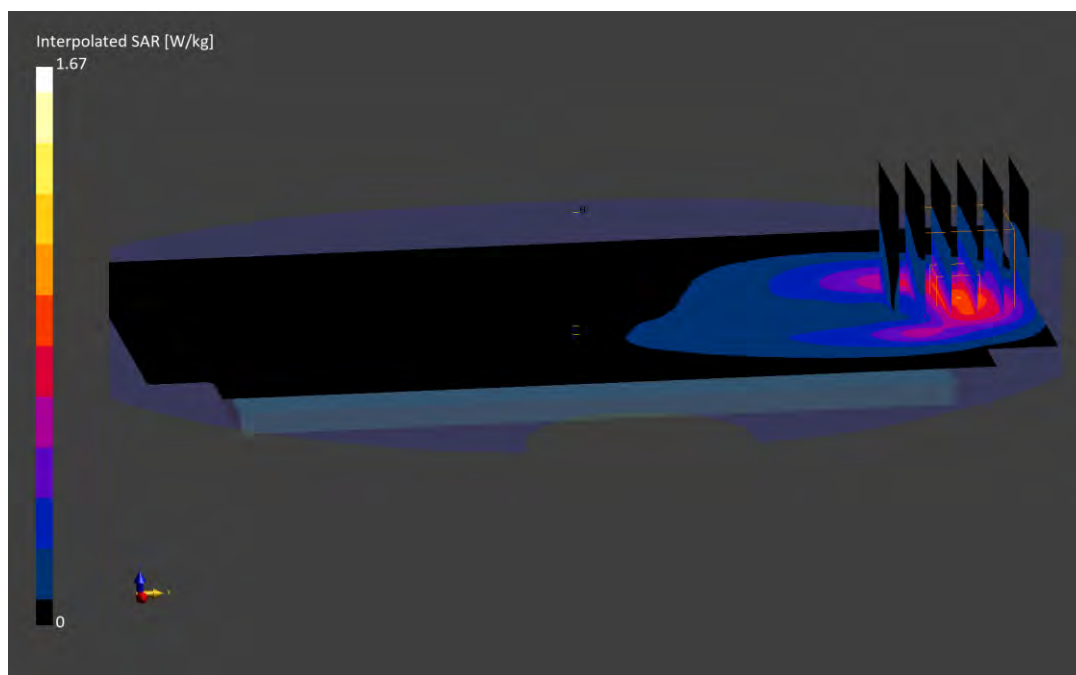
Reference Value = 0.72 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.806 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 77.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0777M

Communication System: UID:10154 - CAH, LTE-FDD; MAIA: Y; Frequency: 782.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 782.000 MHz; cond = 0.913 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7637; ConvF:(9.65,9.9,10.18); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1652; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1797

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 13, Antenna E, Exp: Head| Right Cheek, Ch. Mid,
10 MHz Bandwidth, QPSK, 25 RB, 0 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (35.4 x 35.4 x 31.2): Measurement grid: dx=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5

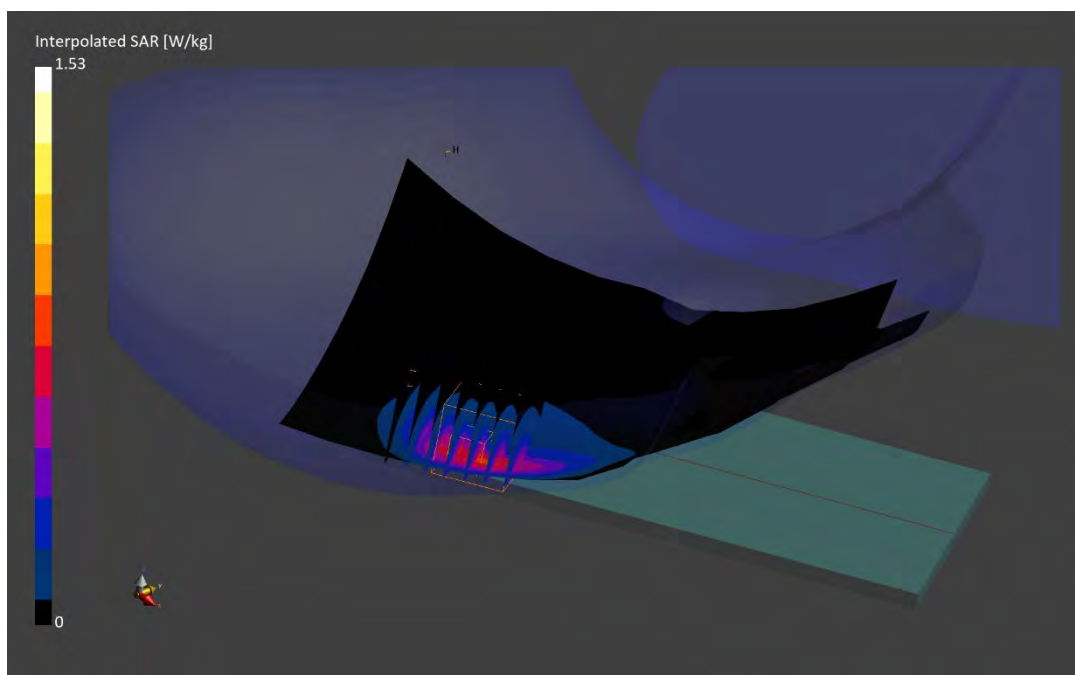
Reference Value = 0.57 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.692 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 76.6 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0777M

Communication System: UID:10175, LTE-FDD; MAIA: Y; Frequency: 782.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 782.000 MHz; cond = 0.895 S/m; perm = 40.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/05/2026; Ambient Temp: 22.9°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7547; ConvF:(9.95,9.84,8.92); Calibrated: 2025-12-10

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1322; Calibrated: 2025-12-04

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: LTE Band 13, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

Area Scan (120.0 x 240.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (38.5 x 33.0 x 31.2): Measurement grid: dx=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5

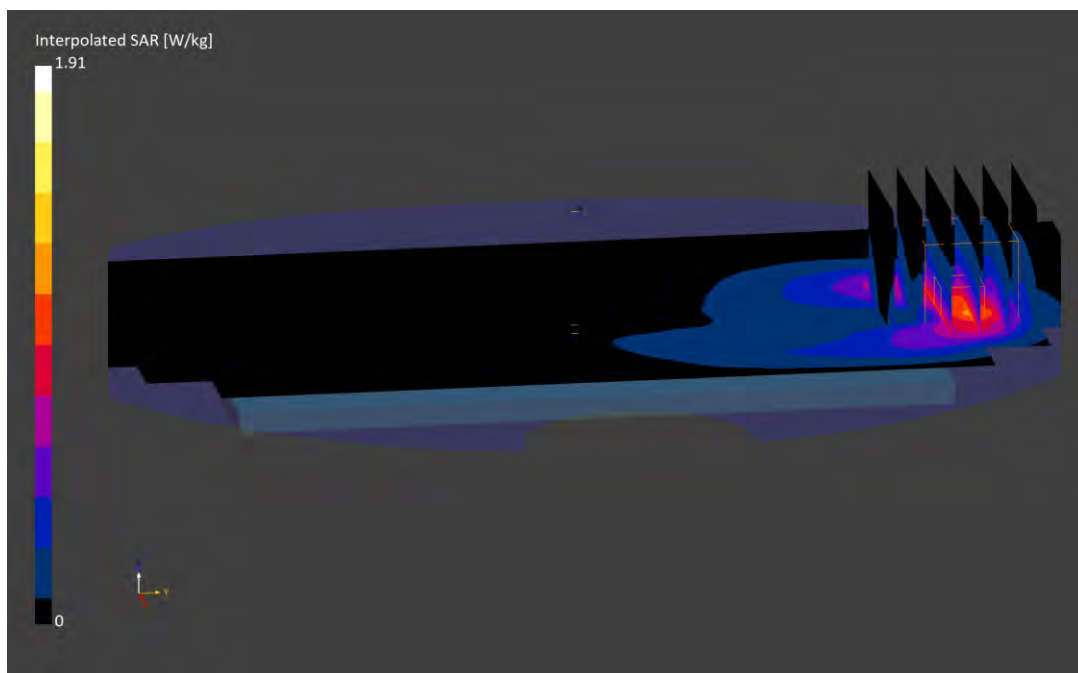
Reference Value = 0.75 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.958 W/kg

Smallest distance from peaks to all points 3 dB below is 7.7 mm

Ratio of SAR at M2 to SAR at M1 = 79.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0375M

Communication System: UID:10108 - CAH, LTE-FDD; MAIA: Y; Frequency: 793.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 793.000 MHz; cond = 0.888 S/m; perm = 42.4; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/16/2026; Ambient Temp: 21.0°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7803; ConvF:(9.58,9.58,9.92); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1583; Calibrated: 2025-10-13

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 14, Antenna E, Exp: Head| Right Cheek, Ch. Mid,
10 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (32.9 x 32.9 x 33.4): Measurement grid: dx=4.7 mm, dy=4.7 mm, dz=1.4 mm; Graded Ratio: 1.4

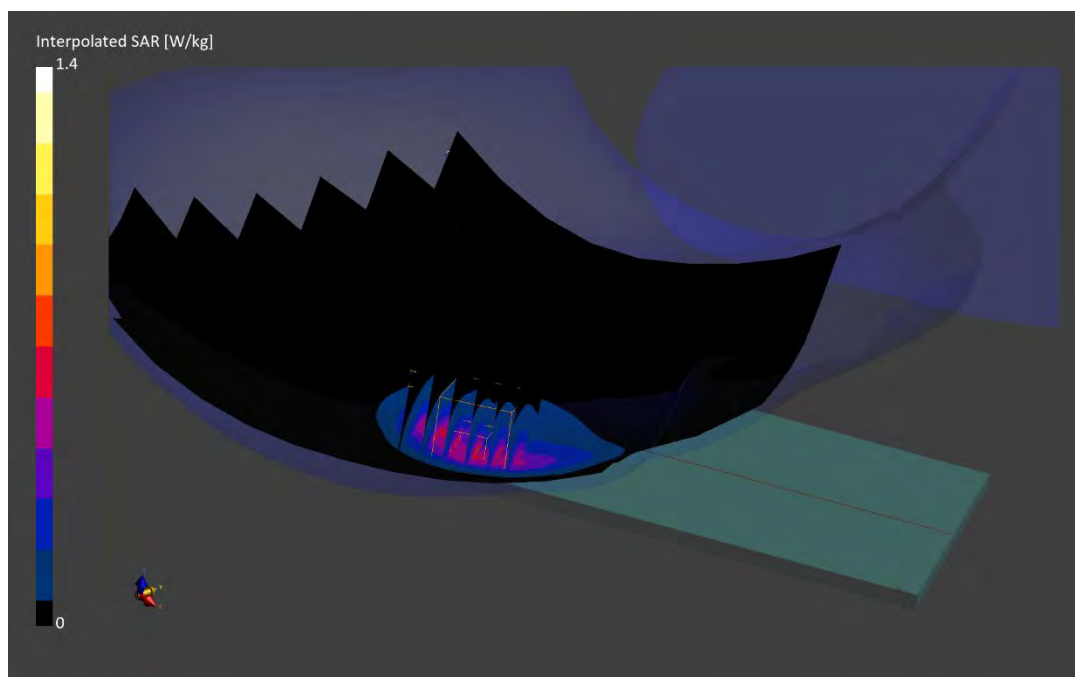
Reference Value = 0.06 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.624 W/kg

Smallest distance from peaks to all points 3 dB below is 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 80.4 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0777M

Communication System: UID:10175, LTE-FDD; MAIA: Y; Frequency: 793.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 793.000 MHz; cond = 0.899 S/m; perm = 40.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/05/2026; Ambient Temp: 22.9°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7547; ConvF:(9.95,9.84,8.92); Calibrated: 2025-12-10

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1322; Calibrated: 2025-12-04

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: LTE Band 14, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

Area Scan (120.0 x 240.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (35.4 x 35.4 x 31.2): Measurement grid: dx=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5

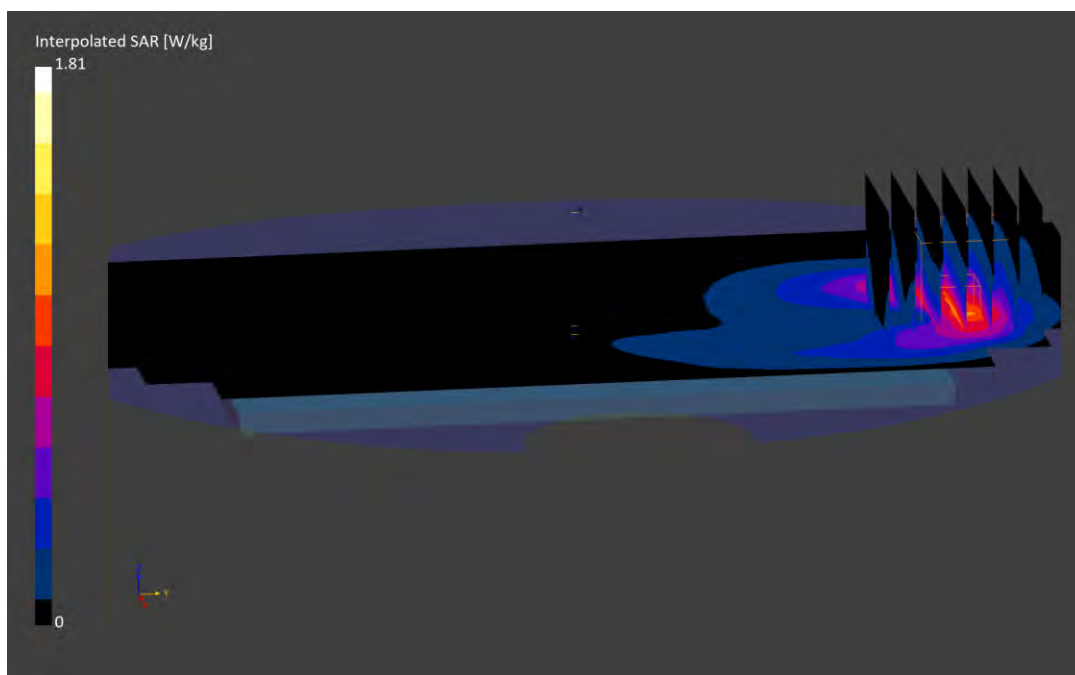
Reference Value = 0.69 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.917 W/kg

Smallest distance from peaks to all points 3 dB below is 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 80.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0777M

Communication System: UID:10160 - CAF, LTE-FDD; MAIA: Y; Frequency: 831.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 831.500 MHz; cond = 0.903 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/06/2026; Ambient Temp: 21.8°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7637; ConvF:(9.54,9.79,10.07); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1652; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1797

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 26, Antenna E, Exp: Head| Right Cheek, Ch. Mid,
15 MHz Bandwidth, QPSK, 36 RB, 18 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (36.9 x 36.9 x 31.2): Measurement grid: dx=4.1 mm, dy=4.1 mm, dz=1.5 mm; Graded Ratio: 1.5

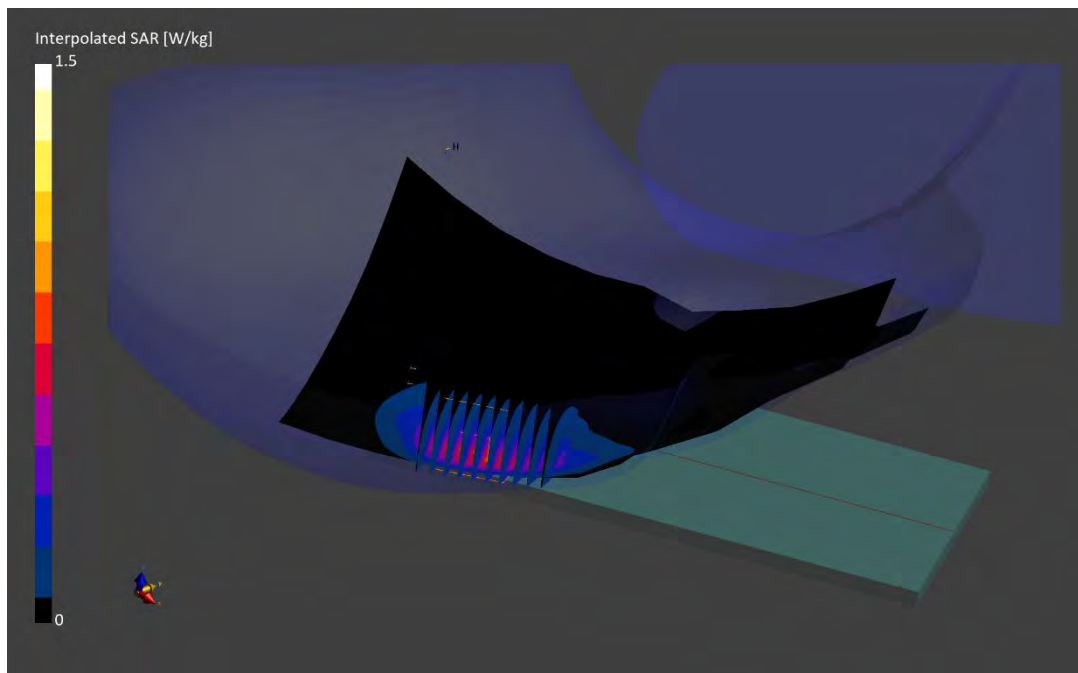
Reference Value = 0.54 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.701 W/kg

Smallest distance from peaks to all points 3 dB below is 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 78.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0375M

Communication System: UID:10181 - CAF, LTE-FDD; MAIA: Y; Frequency: 831.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 831.500 MHz; cond = 0.916 S/m; perm = 41.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/13/2026; Ambient Temp: 21.4°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7803; ConvF:(9.18,9.19,9.51); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1583; Calibrated: 2025-10-13

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 26, Antenna A, Closed, Exp: Body-worn/Body| Back Side, Ch. Mid,
15 MHz Bandwidth, QPSK, 1 RB, 74 RB Offset**

Area Scan (120.0 x 150.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

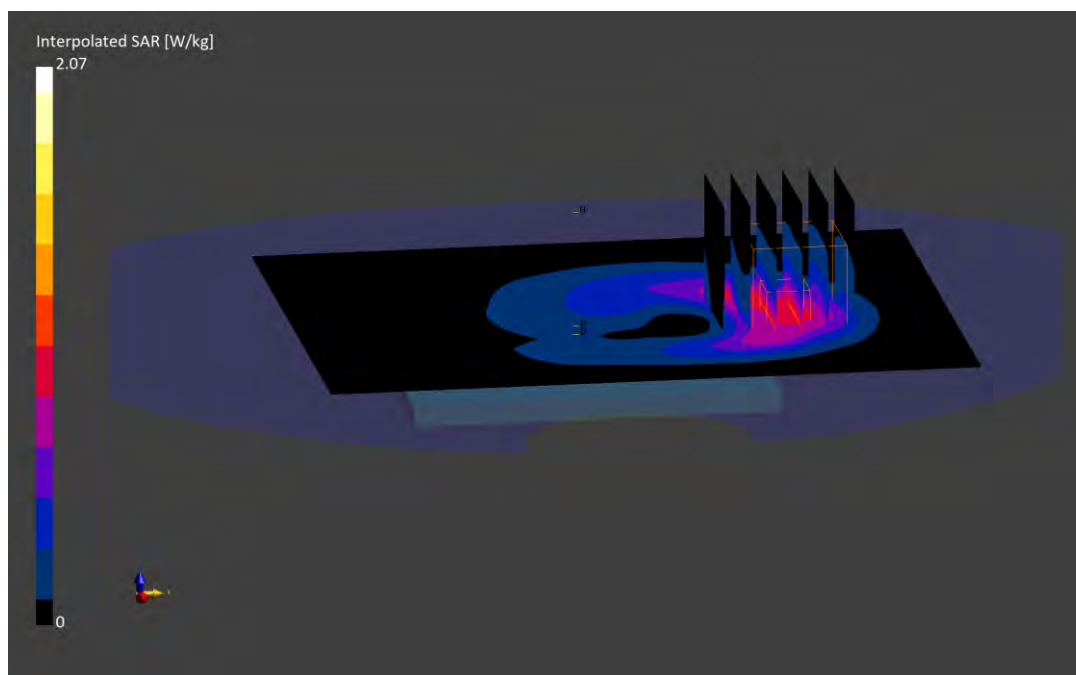
Reference Value = 0.33 W/kg; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.992 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 75.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1159M

Communication System: UID:10169 - , LTE-FDD; MAIA: Y; Frequency: 1770.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1770.000 MHz; cond = 1.35 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 20.2°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7803; ConvF:(7.91,7.91,8.19); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1583; Calibrated: 2025-10-13

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: LTE Band 66, Antenna H, Exp: Head| Left Cheek, Ch. High,
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (31.8 x 31.8 x 31.2): Measurement grid: dx=5.3 mm, dy=5.3 mm, dz=1.5 mm; Graded Ratio: 1.5

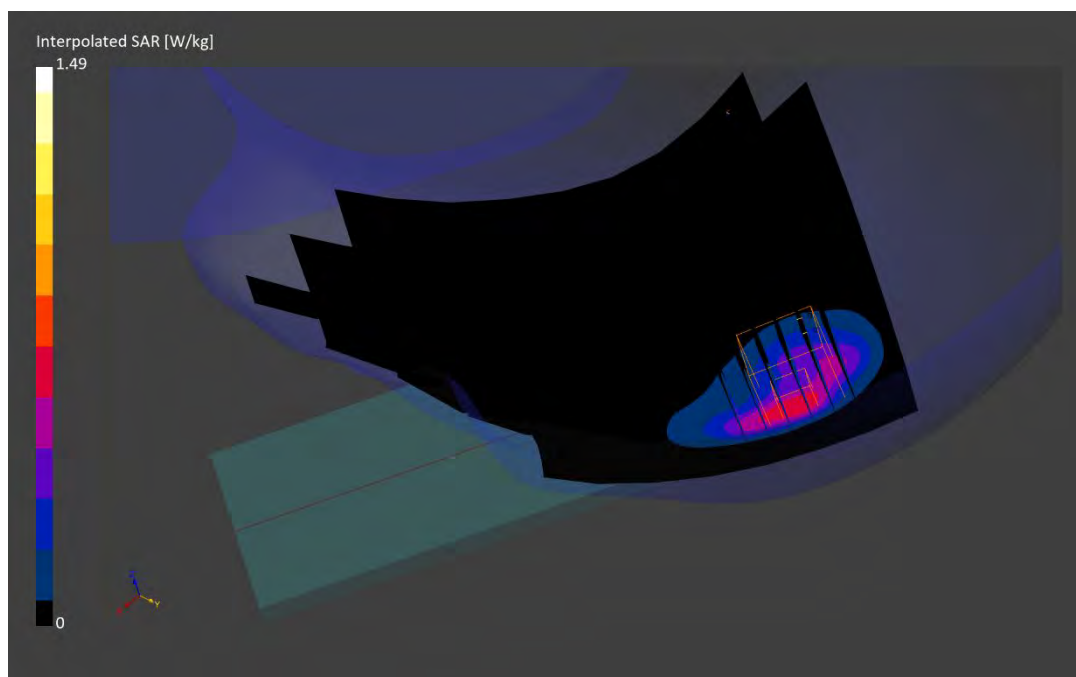
Reference Value = 0.57 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.653 W/kg

Smallest distance from peaks to all points 3 dB below is 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 78.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1159M

Communication System: UID:10169, LTE-FDD; MAIA: Y; Frequency: 1770.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1770.000 MHz; cond = 1.32 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/09/2026; Ambient Temp: 22.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7803; ConvF:(7.91,7.91,8.19); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1583; Calibrated: 2025-10-13

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: LTE Band 66, Antenna B, Open, Exp: Body-worn/Body| Back Side, Ch. High,
20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset**

Area Scan (120.0 x 240.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (33.0 x 33.0 x 31.2): Measurement grid: dx=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5

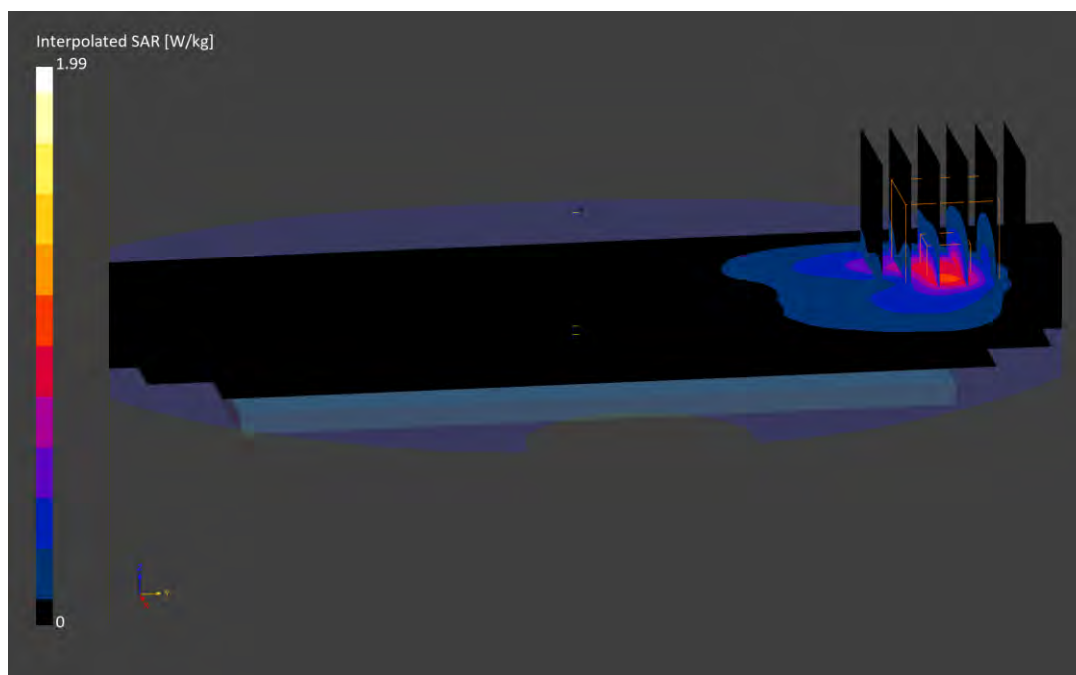
Reference Value = 0.73 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.847 W/kg

Smallest distance from peaks to all points 3 dB below is 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 77.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1159M

Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1745.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1745.000 MHz; cond = 1.34 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/16/2026; Ambient Temp: 20.2°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7803; ConvF:(7.91,7.91,8.19); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1583; Calibrated: 2025-10-13

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 66, Antenna B, Closed, Exp: Body| Bottom Edge, Ch. Mid,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

Area Scan (60.0 x 150.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (35.7 x 40.8 x 31.2): Measurement grid: dx=5.1 mm, dy=5.1 mm, dz=1.5 mm; Graded Ratio: 1.5

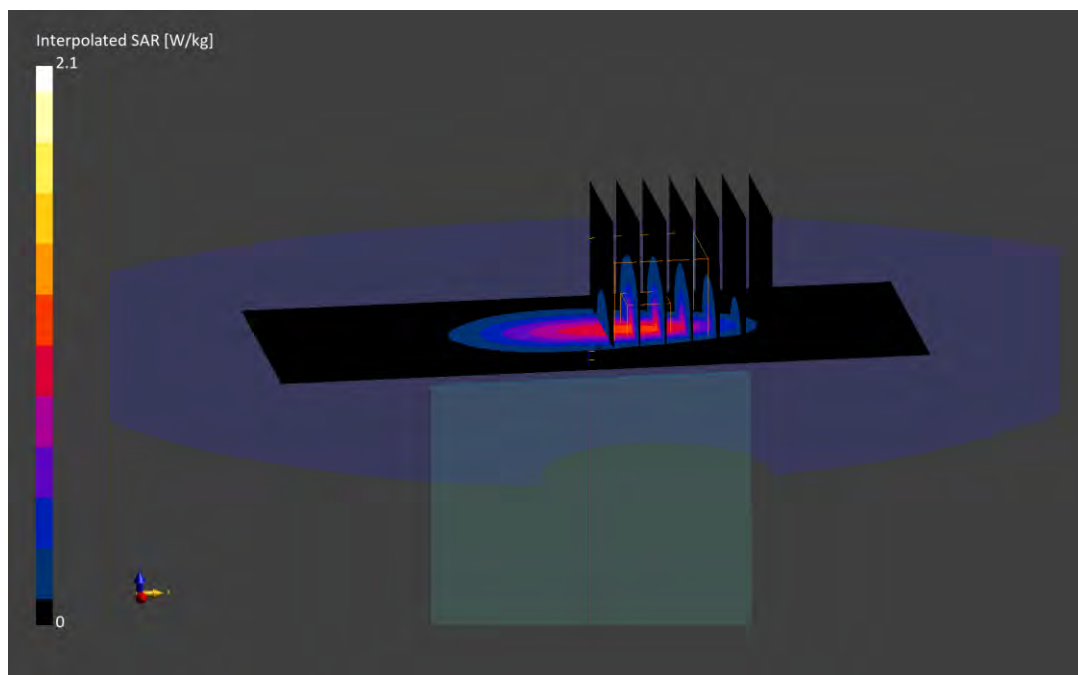
Reference Value = 0.35 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 0.901 W/kg

Smallest distance from peaks to all points 3 dB below is 6.2 mm

Ratio of SAR at M2 to SAR at M1 = 78.4 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0312M

Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1860.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1860.000 MHz; cond = 1.40 S/m; perm = 39.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/23/2026; Ambient Temp: 21.4°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7803; ConvF:(7.84,7.84,8.12); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1583; Calibrated: 2025-10-13

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 25, Antenna H, Exp: Head| Left Cheek, Ch. Low,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (43.2 x 43.2 x 31.2): Measurement grid: dx=5.4 mm, dy=5.4 mm, dz=1.5 mm; Graded Ratio: 1.5

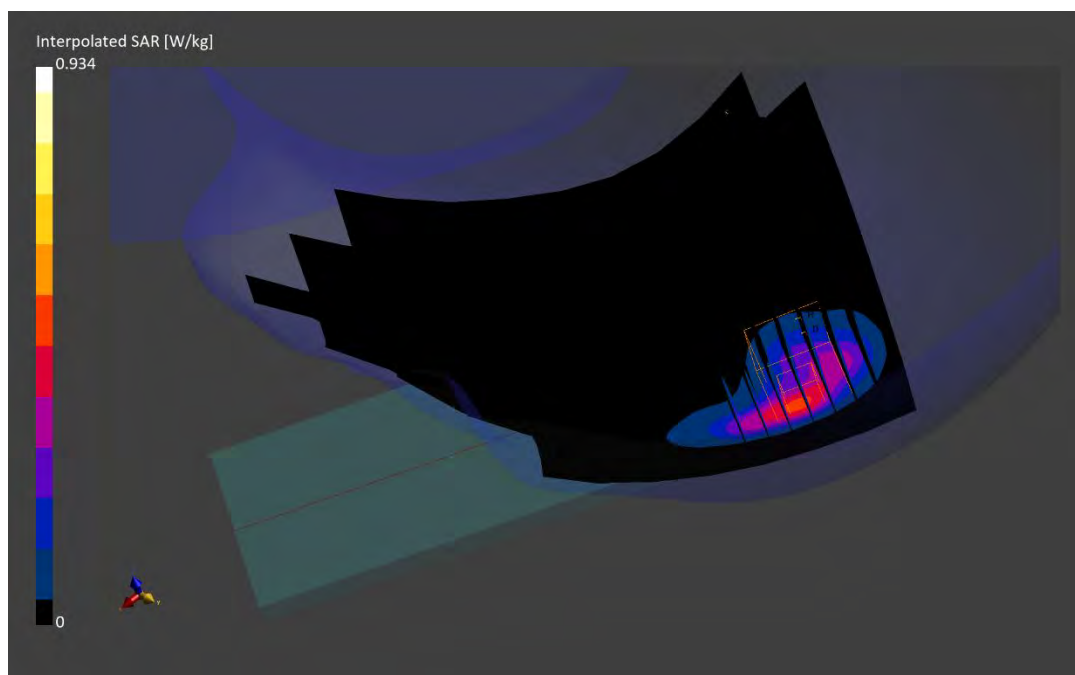
Reference Value = 0.07 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.934 W/kg

SAR(1 g) = 0.425 W/kg

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 79.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1513M

Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 1905.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1905.000 MHz; cond = 1.42 S/m; perm = 41.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/08/2026; Ambient Temp: 19.7°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7565; ConvF:(8.17,6.98,6.54); Calibrated: 2026-01-14

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1466; Calibrated: 2026-01-12

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 25, Antenna B, Open, Exp: Body| Bottom Edge, Ch. High,
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

Area Scan (50.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (35.7 x 40.8 x 31.2): Measurement grid: dx=5.1 mm, dy=5.1 mm, dz=1.5 mm; Graded Ratio: 1.5

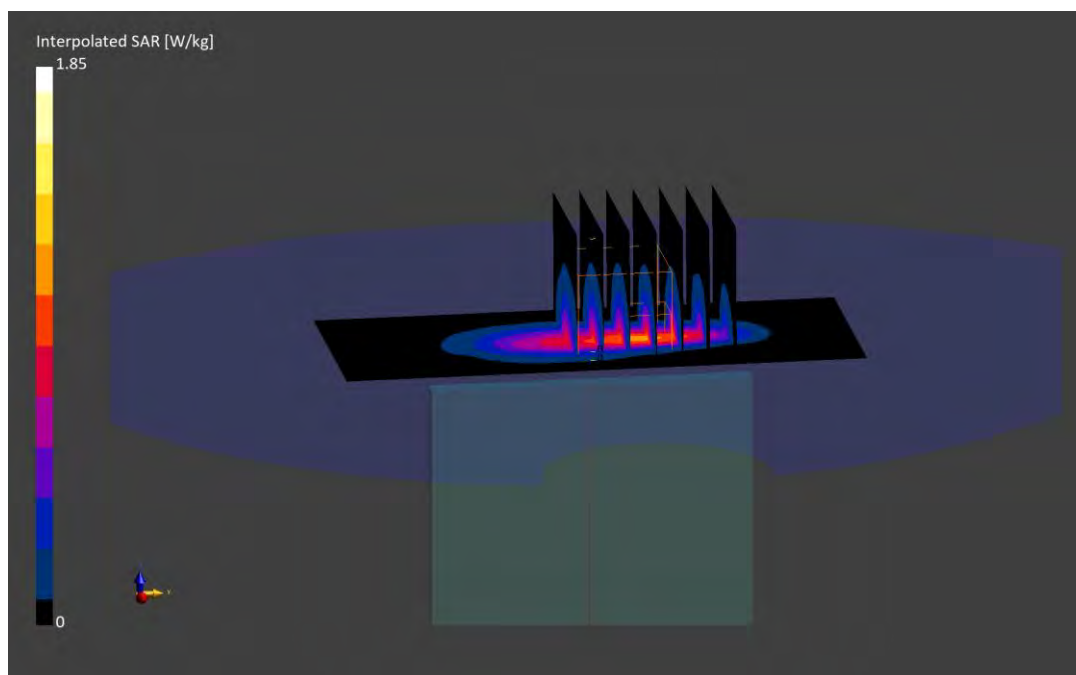
Reference Value = 0.68 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.861 W/kg

Smallest distance from peaks to all points 3 dB below is 6.9 mm

Ratio of SAR at M2 to SAR at M1 = 79.0 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1513M

Communication System: UID:10297 - AAE, LTE-FDD; MAIA: Y; Frequency: 1905.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1905.000 MHz; cond = 1.42 S/m; perm = 41.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/08/2026; Ambient Temp: 19.7°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7565; ConvF:(8.17,6.98,6.54); Calibrated: 2026-01-14

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1466; Calibrated: 2026-01-12

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 25, Antenna B, Open, Exp: Body-worn/Body| Back Side, Ch. High,
20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (33.0 x 33.0 x 31.2): Measurement grid: dx=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5

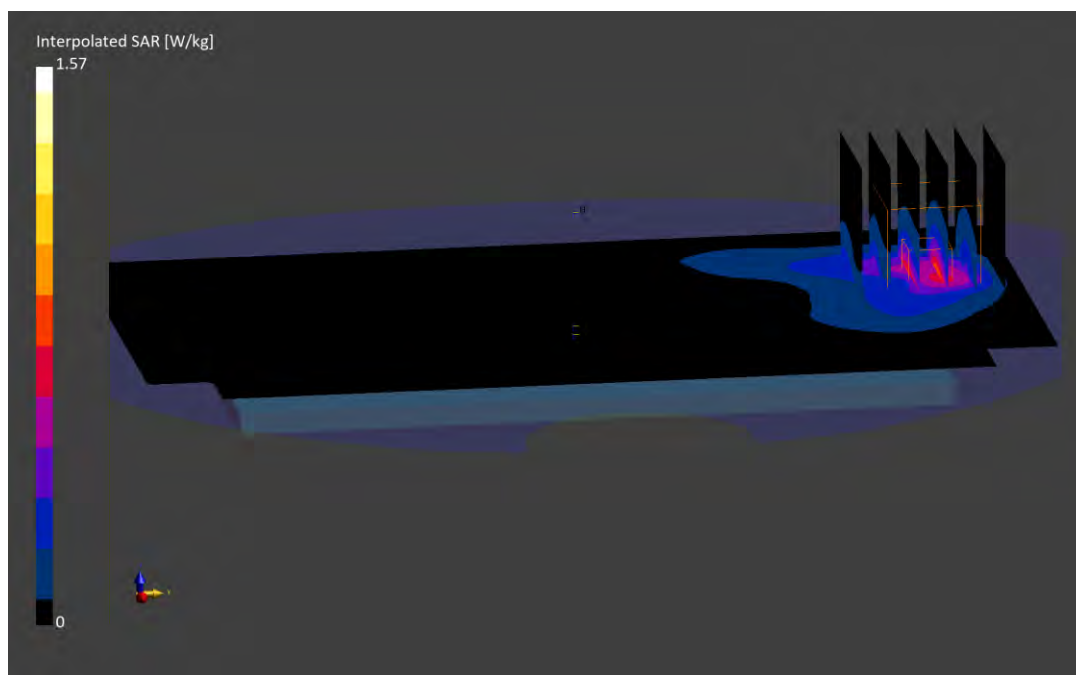
Reference Value = 0.62 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.752 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 80.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0887M

Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 2310.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2310.000 MHz; cond = 1.66 S/m; perm = 40.4; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/23/2026; Ambient Temp: 21.2°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7670; ConvF:(7.12,7.55,7.79); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1449; Calibrated: 2025-10-13

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 30, Antenna H, Exp: Head| Left Cheek, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

Area Scan (120.0 x 216.0): Measurement grid: dx=12.0 mm, dy=12.0 mm

Zoom Scan (40.0 x 40.0 x 33.4): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

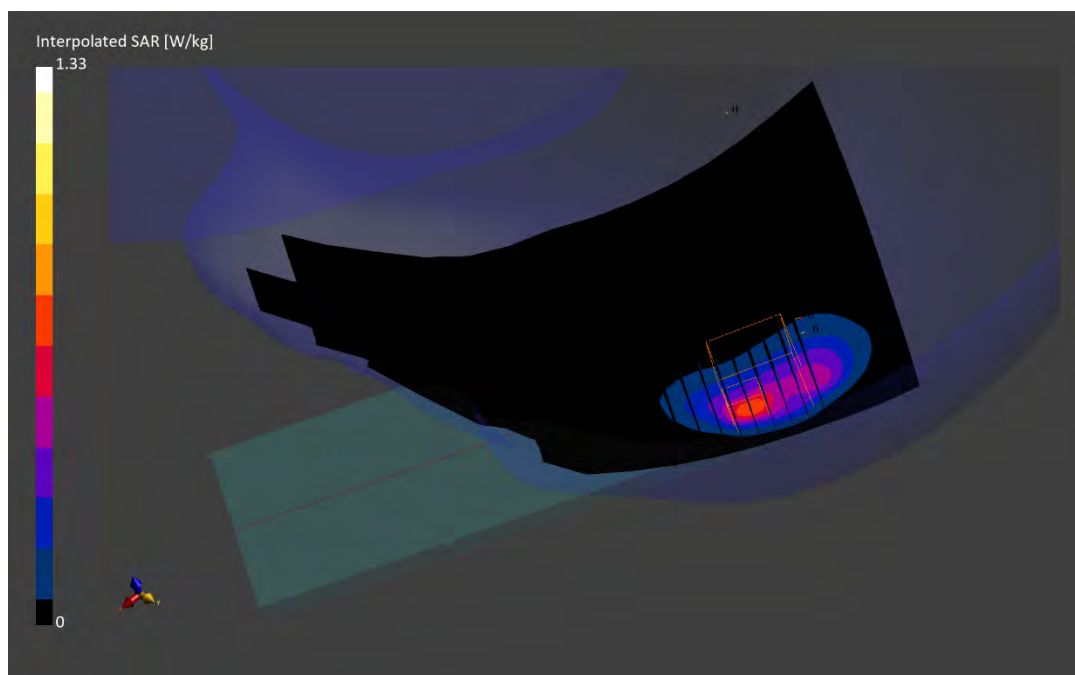
Reference Value = 0.33 W/kg; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.512 W/kg

Smallest distance from peaks to all points 3 dB below is 4.5 mm

Ratio of SAR at M2 to SAR at M1 = 75.9 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0359M

Communication System: UID:10175 - CAH, LTE-FDD; MAIA: Y; Frequency: 2310.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2310.000 MHz; cond = 1.65 S/m; perm = 40.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/23/2026; Ambient Temp: 21.2°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7670; ConvF:(7.12,7.55,7.79); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1449; Calibrated: 2025-10-13

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 30, Antenna B, Closed, Exp: Body-worn/Body| Back Side, Ch. Mid,
10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (120.0 x 120.0): Measurement grid: dx= mm, dy= mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

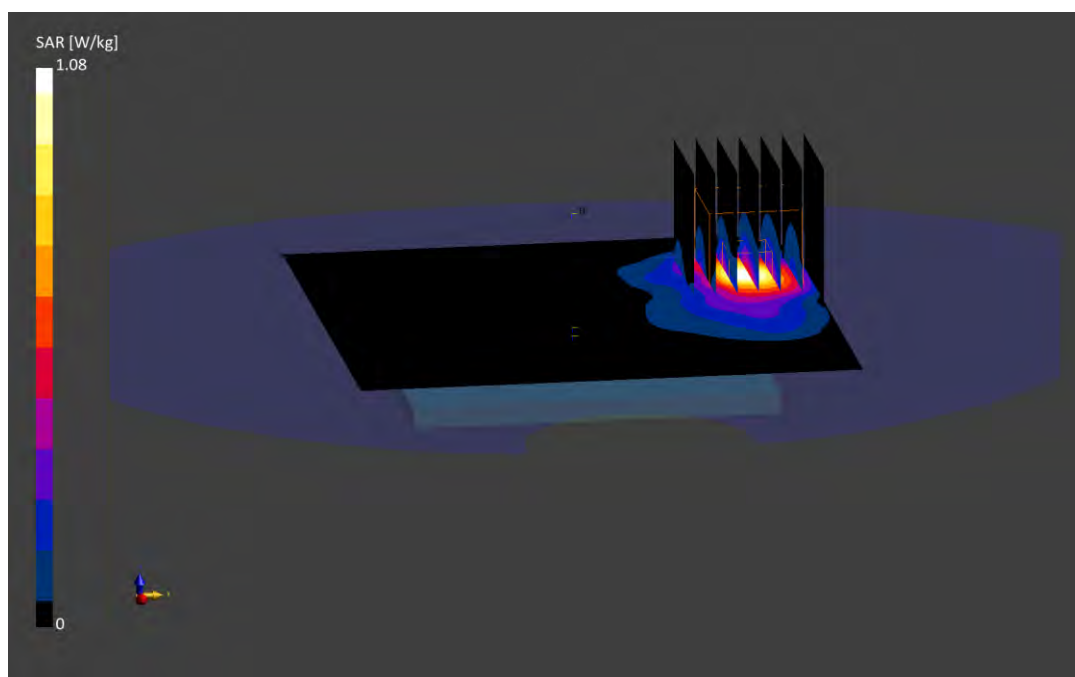
Reference Value = 0.82 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 1.01 W/kg

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 78.4 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0779M

Communication System: UID:10297 - AAE, LTE-FDD; MAIA: Y; Frequency: 2510.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2510.000 MHz; cond = 1.87 S/m; perm = 38.8; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/05/2026; Ambient Temp: 20.8°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7660; ConvF:(7.76,7.38,8.01); Calibrated: 2025-05-09

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1678; Calibrated: 2025-05-09

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 7, Antenna H, Exp: Head| Left Cheek, Ch. Low,
20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

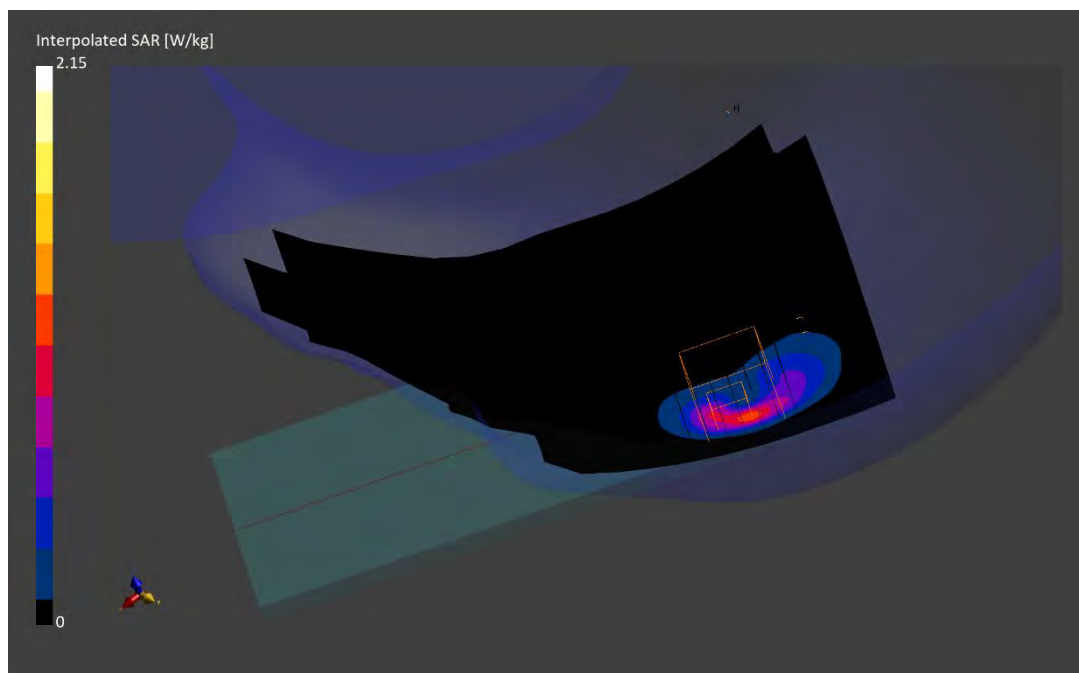
Reference Value = 0.52 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 0.860 W/kg

Smallest distance from peaks to all points 3 dB below is 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 78.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1165M

Communication System: UID:10297 - AAE, LTE-FDD; MAIA: Y; Frequency: 2510.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2510.000 MHz; cond = 1.82 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/19/2026; Ambient Temp: 22.7°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7660; ConvF:(7.76,7.38,8.01); Calibrated: 2025-05-09

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1678; Calibrated: 2025-05-09

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 7, Antenna B, Open, Exp: Body-worn/Body| Back Side, Ch. Low,
20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

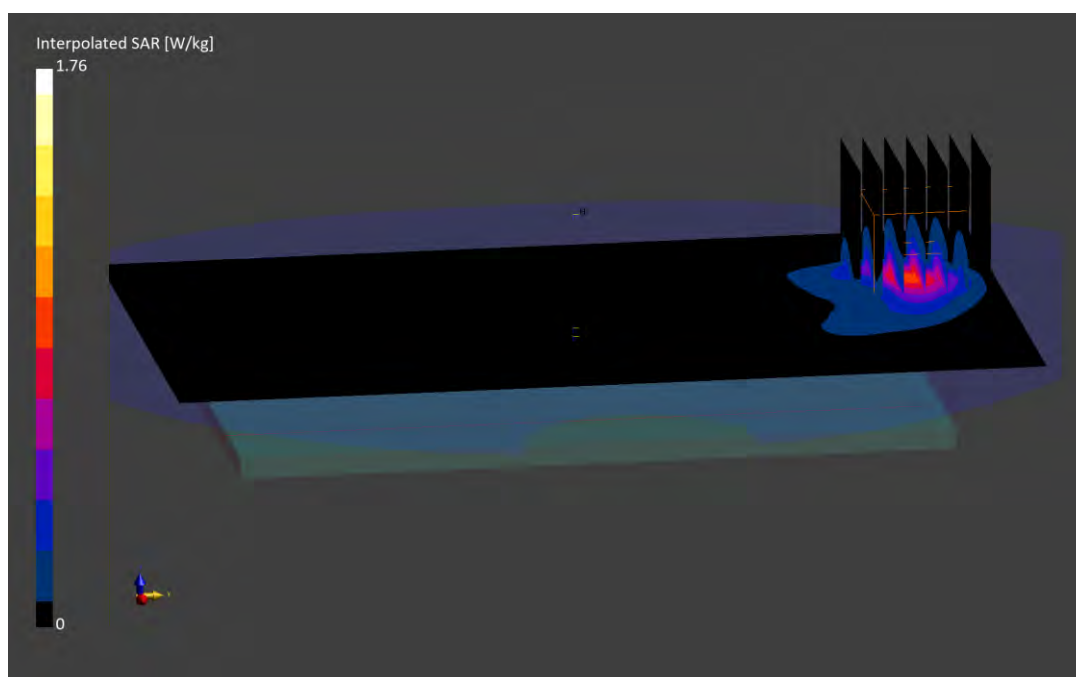
Reference Value = 0.53 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.743 W/kg

Smallest distance from peaks to all points 3 dB below is 6.5 mm

Ratio of SAR at M2 to SAR at M1 = 73.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0662M

Communication System: UID:10169 - CAF, LTE-FDD; MAIA: Y; Frequency: 2510.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2510.000 MHz; cond = 1.81 S/m; perm = 40.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7660; ConvF:(7.76,7.38,8.01); Calibrated: 2025-05-09

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1678; Calibrated: 2025-05-09

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 7, Antenna H, Open, Exp: Body| Right Edge, Ch. Low,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 35.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

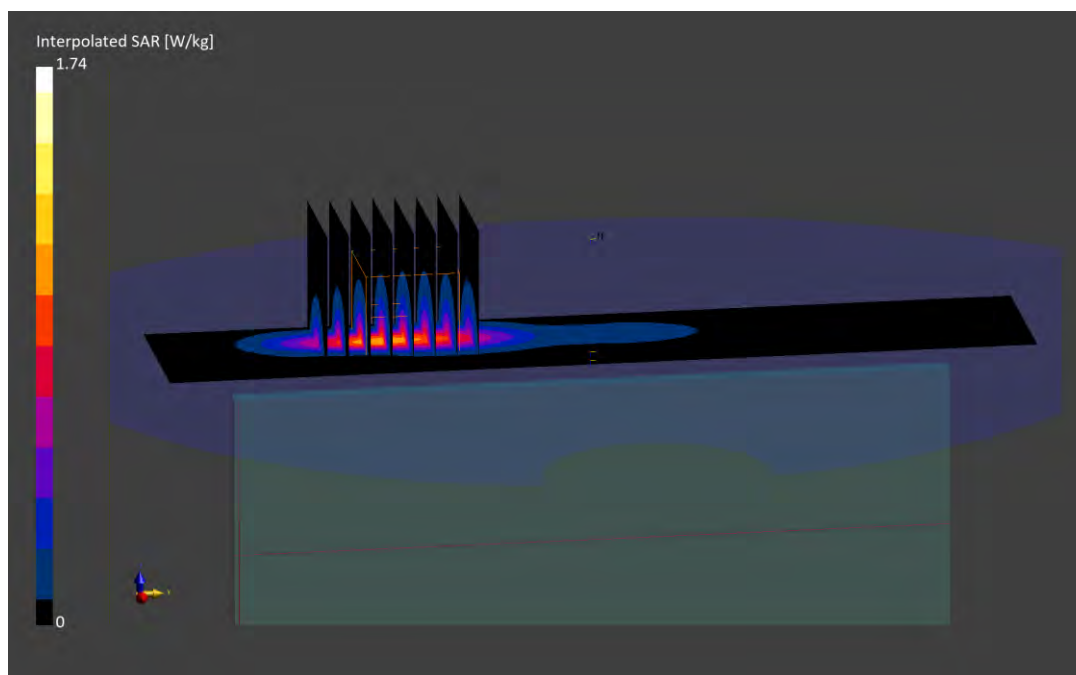
Reference Value = 0.55 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.811 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 79.9 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1165M

Communication System: UID:10435 - AAG, LTE-TDD; MAIA: Y; Frequency: 2636.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2636.500 MHz; cond = 1.92 S/m; perm = 40.7; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/10/2026; Ambient Temp: 22.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7660; ConvF:(7.58,7.22,7.84); Calibrated: 2025-05-09

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1678; Calibrated: 2025-05-09

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 41, Antenna H, Exp: Head| Left Cheek, Ch. Mid-High,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (40.0 x 40.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

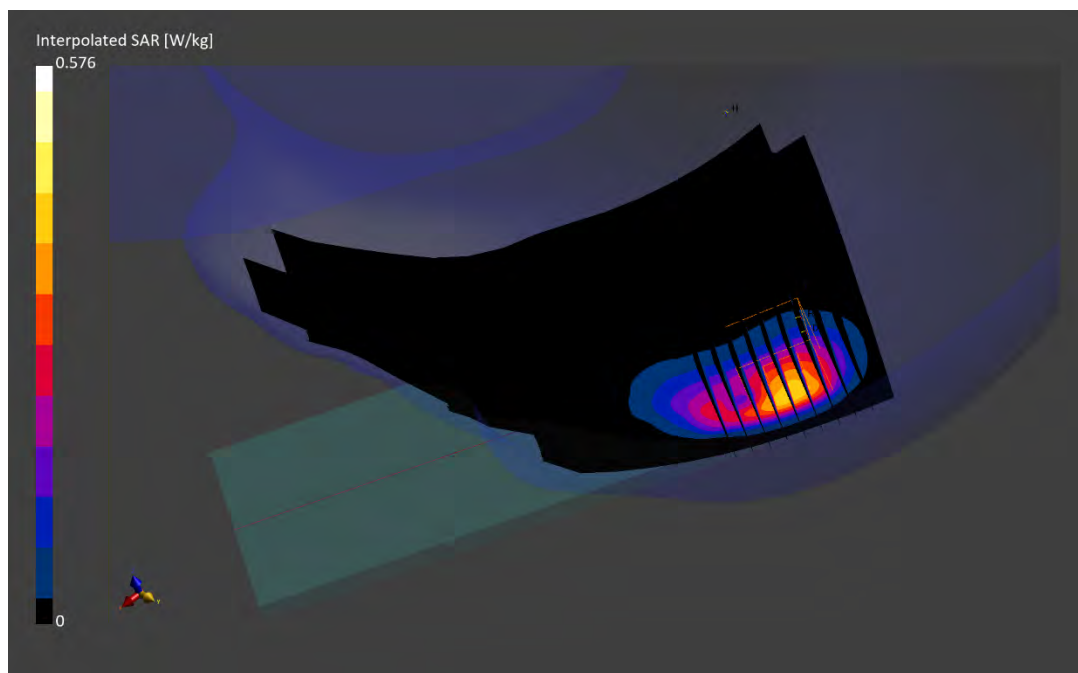
Reference Value = 0.21 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.306 W/kg

Smallest distance from peaks to all points 3 dB below is 9.0 mm

Ratio of SAR at M2 to SAR at M1 = 83.0 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0884M

Communication System: UID:10494 - AAG, LTE-TDD; MAIA: Y; Frequency: 2506.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2506.000 MHz; cond = 1.88 S/m; perm = 40.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/21/2026; Ambient Temp: 20.6°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7565; ConvF:(7.68,6.56,6.15); Calibrated: 2026-01-14

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1466; Calibrated: 2026-01-12

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 41, Antenna B, Closed, Exp: Body-worn/ Body | Back Side, Ch. Low,
20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset**

Area Scan (120.0 x 140.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (34.4 x 34.4 x 31.2): Measurement grid: dx=4.3 mm, dy=4.3 mm, dz=1.5 mm; Graded Ratio: 1.5

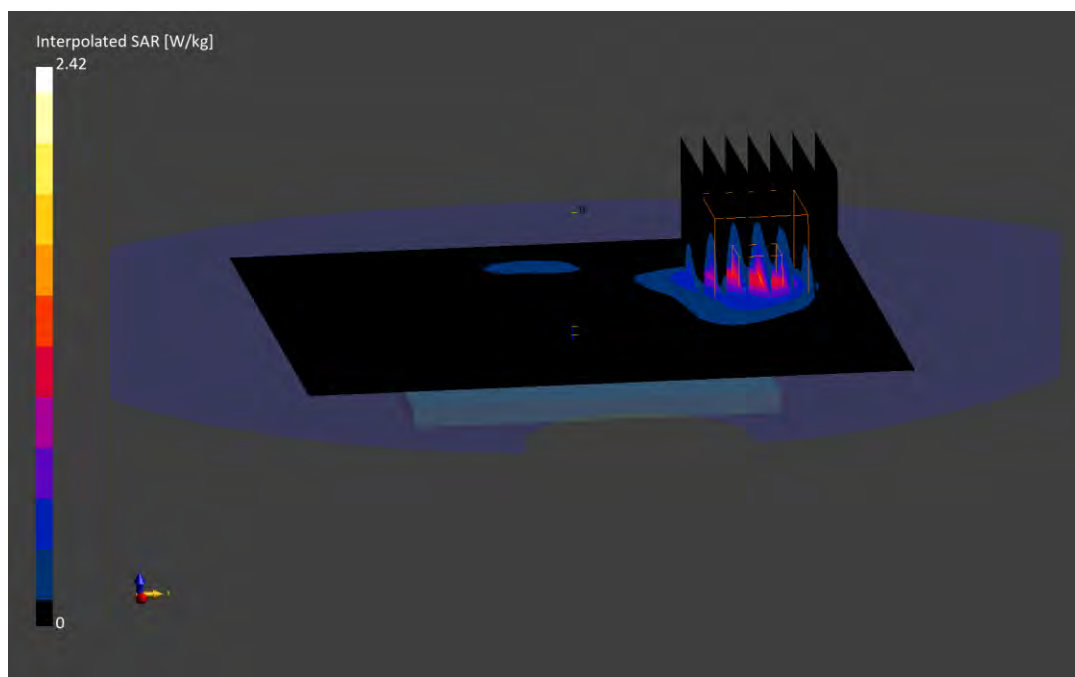
Reference Value = 0.82 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.42 W/kg

SAR(1 g) = 1.03 W/kg

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 79.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0895M

Communication System: UID:10435 - AAG, LTE-TDD; MAIA: Y; Frequency: 3646.700 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3646.700 MHz; cond = 3.10 S/m; perm = 38.6; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/23/2026; Ambient Temp: 21.1°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7402; ConvF:(6.35,6.86,6.54); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1502; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 48, Antenna F, Exp: Head| Right Cheek, Ch. Mid-High,
20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 29.1): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5

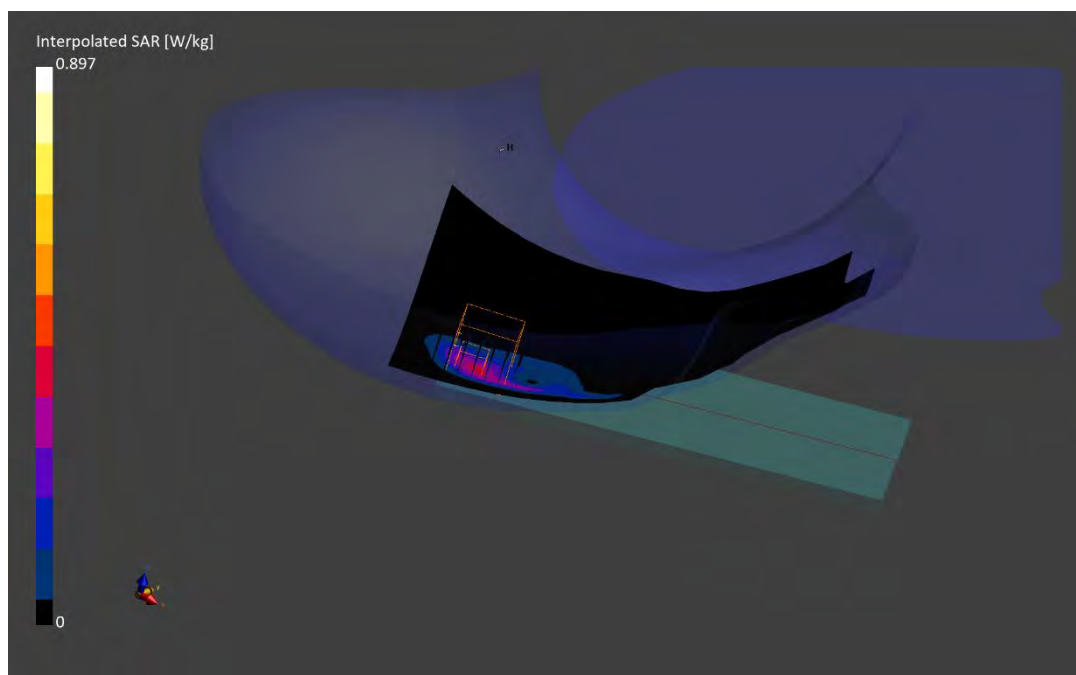
Reference Value = 0.24 W/kg; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.897 W/kg

SAR(1 g) = 0.317 W/kg

Smallest distance from peaks to all points 3 dB below is 7.7 mm

Ratio of SAR at M2 to SAR at M1 = 70.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0891M

Communication System: UID:10494 - AAG, LTE-TDD; MAIA: Y; Frequency: 3603.300 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3603.300 MHz; cond = 2.87 S/m; perm = 39.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/27/2026; Ambient Temp: 21.3°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7558; ConvF:(6.51,6.25,6.77); Calibrated: 2025-09-15

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1364; Calibrated: 2025-09-10

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 48, Antenna F, Open, Exp: Body| Left Edge, Ch. Low-Mid,
20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset**

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 29.1): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5

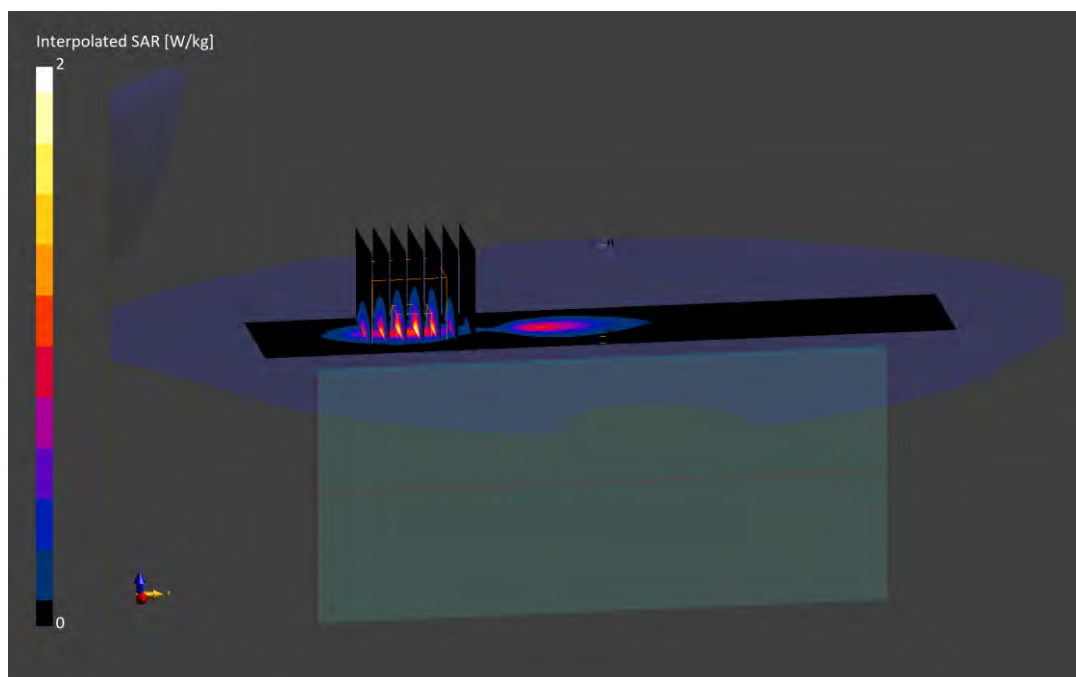
Reference Value = 0.62 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.723 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 75.0 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0891M

Communication System: UID:10494 - AAG, LTE-TDD; MAIA: Y; Frequency: 3646.700 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3646.700 MHz; cond = 2.91 S/m; perm = 39.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/27/2026; Ambient Temp: 21.3°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7558; ConvF:(6.51,6.25,6.77); Calibrated: 2025-09-15

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1364; Calibrated: 2025-09-10

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: LTE Band 48, Antenna F, Open, Exp: Body-worn/Body| Back Side, Ch. Mid-High,
20 MHz Bandwidth, QPSK, 50 RB, 0 RB Offset**

Area Scan (140.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 29.1): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5

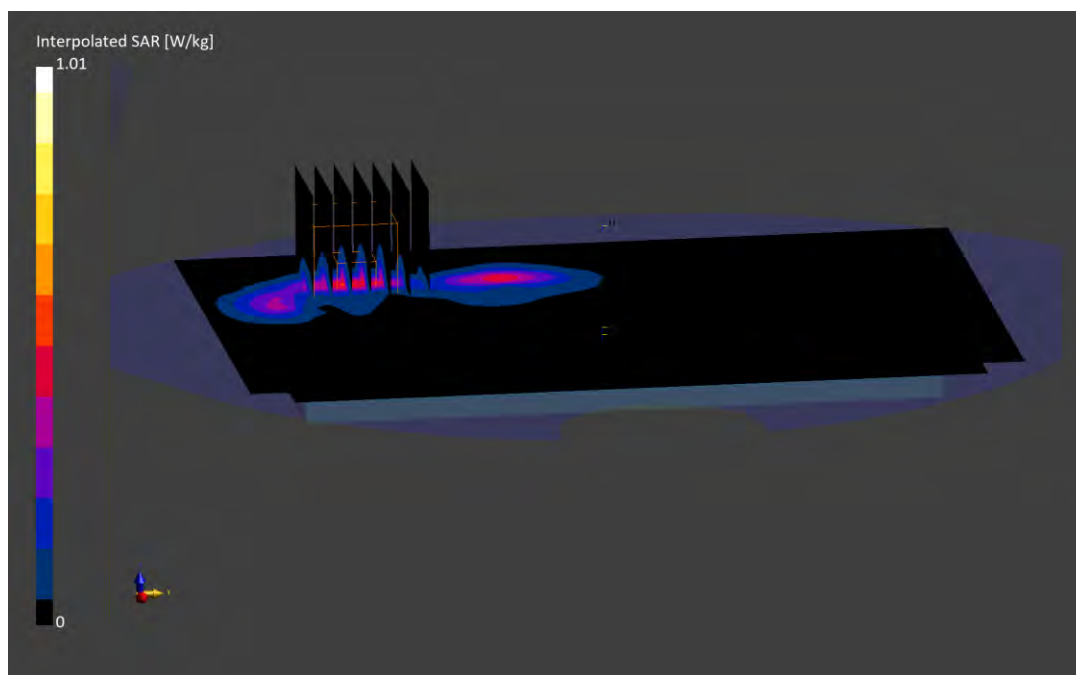
Reference Value = 0.30 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.370 W/kg

Smallest distance from peaks to all points 3 dB below is 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 74.9 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1153M

Communication System: UID:10770 - AAE, CW; MAIA: Y; Frequency: 680.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 680.500 MHz; cond = 0.852 S/m; perm = 41.8; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7546; ConvF:(9.51,8.86,9.45); Calibrated: 2025-04-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1368; Calibrated: 2025-04-07

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n71, Antenna E, Exp: Head| Right Cheek, Ch. 136100,
35 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (40.0 x 40.0 x 33.4): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.4

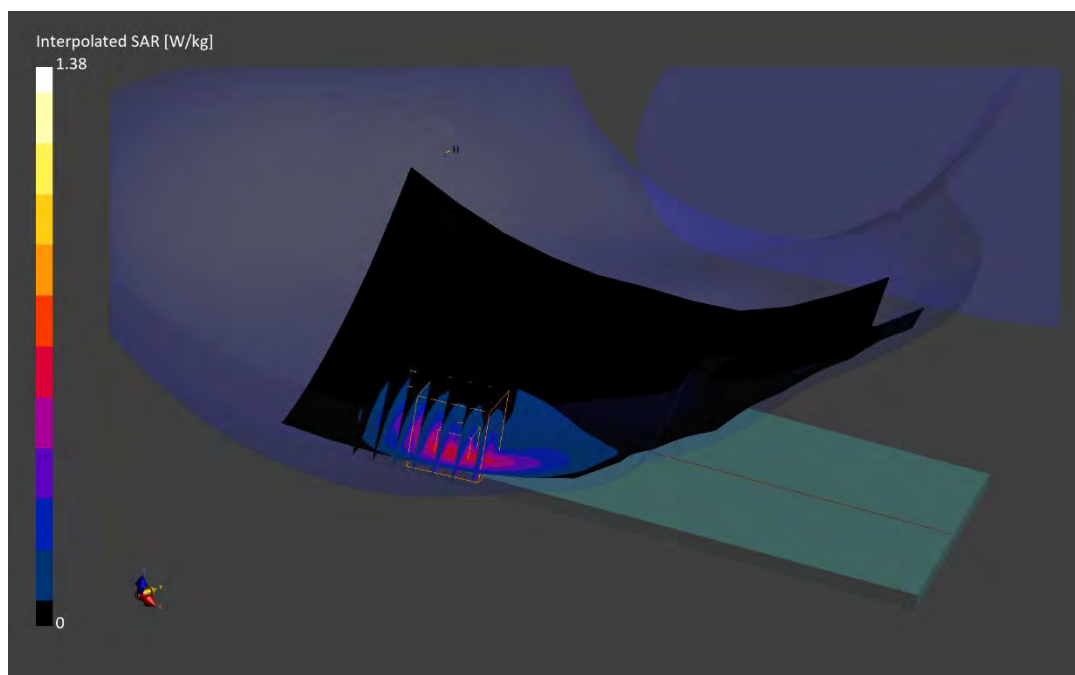
Reference Value = 0.44 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.570 W/kg

Smallest distance from peaks to all points 3 dB below is 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 75.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1153M

Communication System: UID:10939 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 680.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 680.500$ MHz; $\text{cond} = 0.852$ S/m; $\text{perm} = 41.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7546; ConvF:(9.51,8.86,9.45); Calibrated: 2025-04-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1368; Calibrated: 2025-04-07

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n71, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. 136100,
35 MHz Bandwidth, DFT-s-OFDM QPSK, 90 RB, 49 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (35.4 x 35.4 x 31.2): Measurement grid: $dx=5.9$ mm, $dy=5.9$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

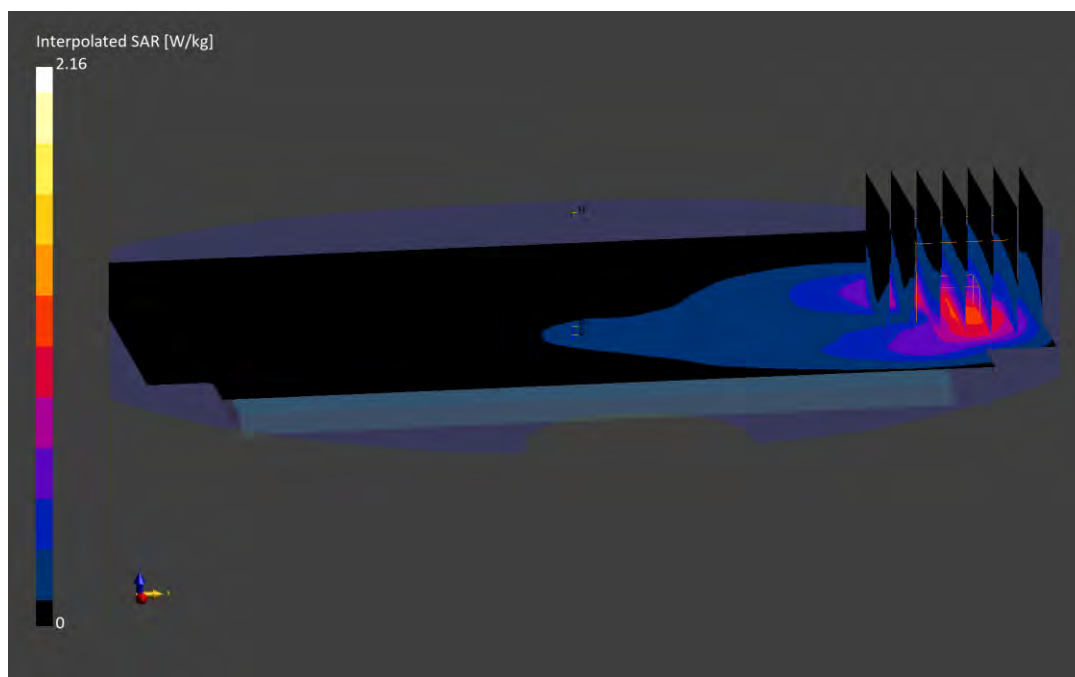
Reference Value = 0.78 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 0.985 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 76.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1153M

Communication System: UID:10938 - , 5G NR FR1 FDD; MAIA: Y; Frequency: 707.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 707.500 MHz; cond = 0.861 S/m; perm = 43.6; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/09/2026; Ambient Temp: 19.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7546; ConvF:(9.51,8.86,9.45); Calibrated: 2025-04-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1368; Calibrated: 2025-04-07

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: NR Band n12, Antenna E, Exp: Head| Right Cheek, Ch. 141500,
15 MHz Bandwidth, DFT-s-OFDM QPSK, 36 RB, 43 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (36.9 x 36.9 x 31.2): Measurement grid: dx=4.1 mm, dy=4.1 mm, dz=1.5 mm; Graded Ratio: 1.5

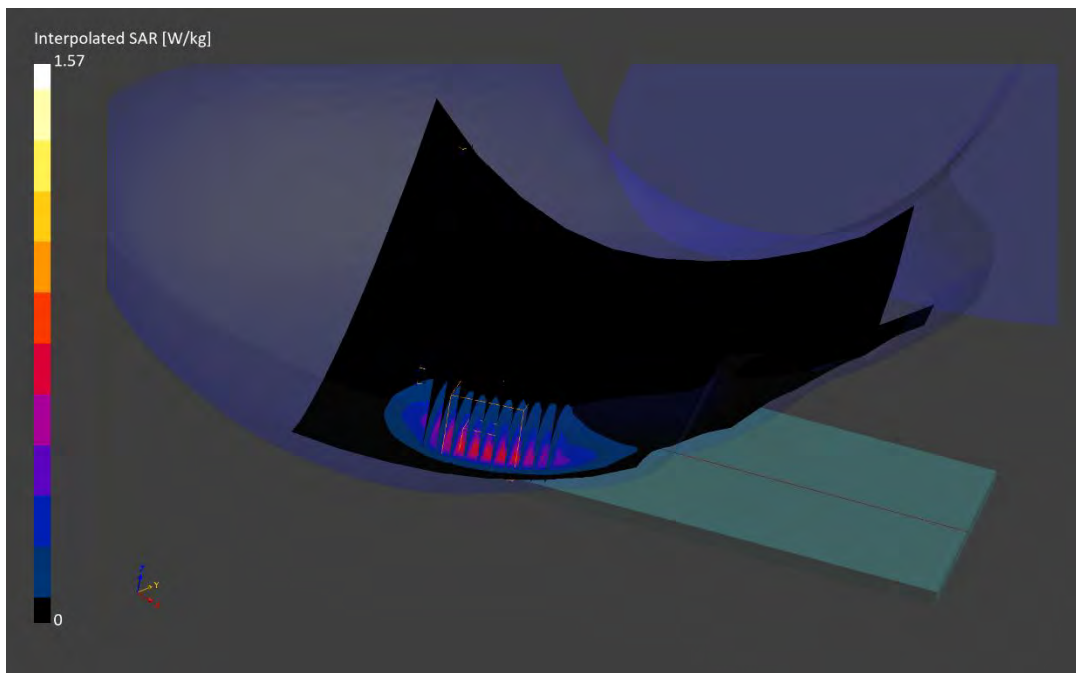
Reference Value = 0.54 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.664 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 76.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1157M

Communication System: UID:10930 - , 5G NR FR1 FDD; MAIA: Y; Frequency: 707.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 707.500 MHz; cond = 0.868 S/m; perm = 42.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/23/2026; Ambient Temp: 21.5°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7546; ConvF:(9.51,8.86,9.45); Calibrated: 2025-04-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1368; Calibrated: 2025-04-07

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n12, Antenna A, Closed, Exp: Body-worn/Body| Back Side, Ch. 141500,
20 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 77 RB Offset**

Area Scan (120.0 x 150.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (35.4 x 35.4 x 31.2): Measurement grid: dx=5.9 mm, dy=5.9 mm, dz=1.5 mm; Graded Ratio: 1.5

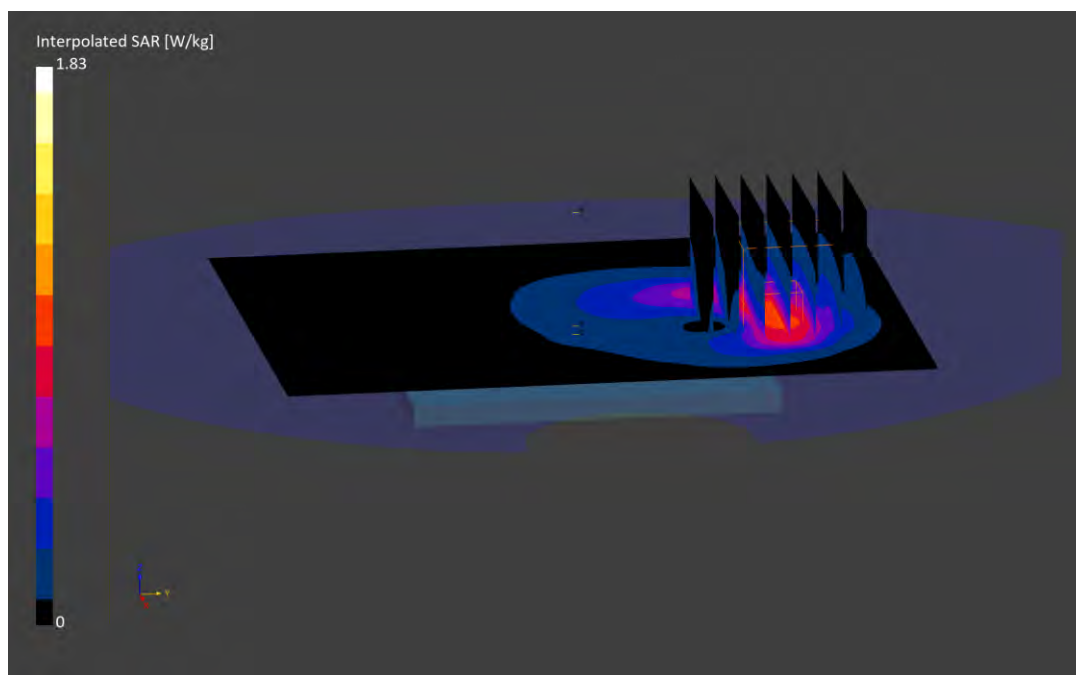
Reference Value = 0.69 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.858 W/kg

Smallest distance from peaks to all points 3 dB below is 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 77.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0869M

Communication System: UID:10937 - AAD, 5G NR FR1 FDD; MAIA: Y; Frequency: 793.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 793.000 MHz; cond = 0.878 S/m; perm = 41.7; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/07/2026; Ambient Temp: 20.9°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7570; ConvF:(9.63,10.38,9.76); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n14, Antenna E, Exp: Head| Right Cheek, Ch. 158600,
10 MHz Bandwidth, DFT-s-OFDM QPSK, 25 RB, 0 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (35.7 x 35.7 x 31.2): Measurement grid: dx=5.1 mm, dy=5.1 mm, dz=1.5 mm; Graded Ratio: 1.5

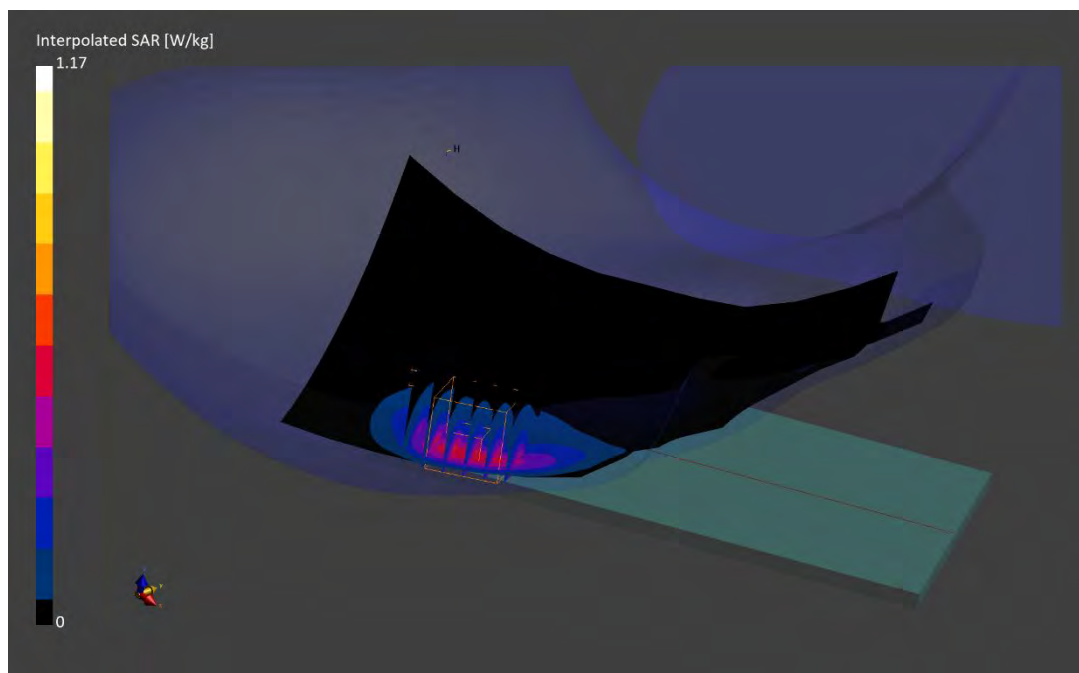
Reference Value = 0.04 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.504 W/kg

Smallest distance from peaks to all points 3 dB below is 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 74.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1153M

Communication System: UID:10768 - AAE, CW; MAIA: Y; Frequency: 793.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 793.000 MHz; cond = 0.892 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7546; ConvF:(9.51,8.86,9.45); Calibrated: 2025-04-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1368; Calibrated: 2025-04-07

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n14, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. 158600,
10 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (120.0 x 240.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (38.5 x 33.0 x 31.2): Measurement grid: dx=5.5 mm, dy=5.5 mm, dz=1.5 mm; Graded Ratio: 1.5

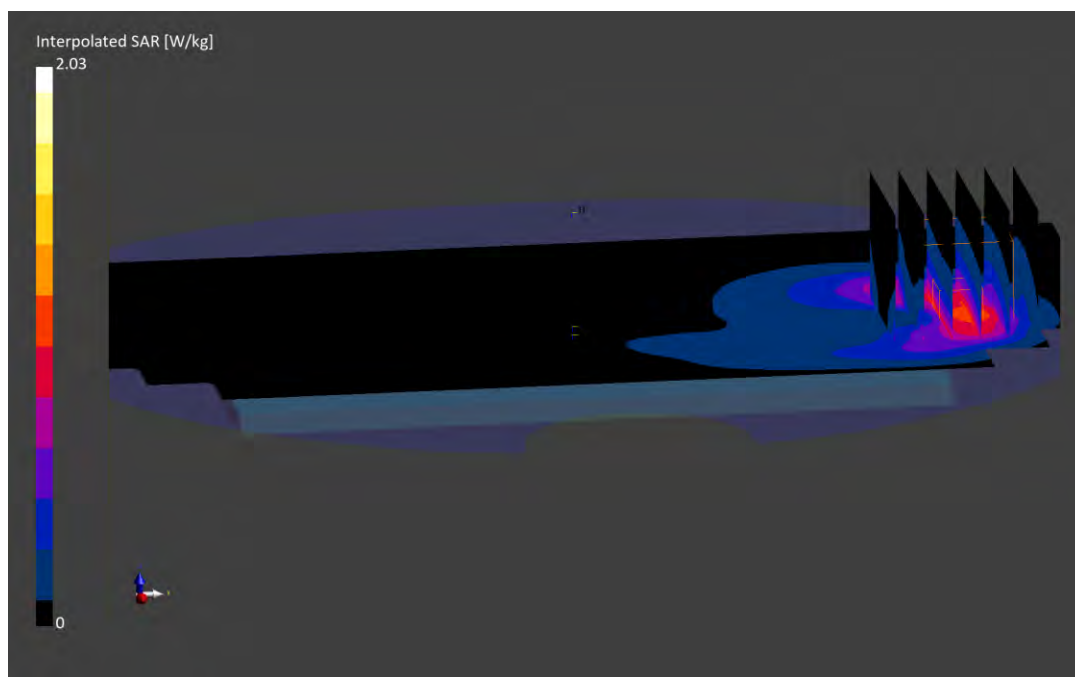
Reference Value = 0.77 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.979 W/kg

Smallest distance from peaks to all points 3 dB below is 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 79.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1153M

Communication System: UID:10770 - AAE, CW; MAIA: Y; Frequency: 831.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 831.500 MHz; cond = 0.904 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7546; ConvF:(9.26,8.63,9.2); Calibrated: 2025-04-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1368; Calibrated: 2025-04-07

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n26, Antenna E, Exp: Head| Right Cheek, Ch. 166300,
20 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (36.8 x 36.8 x 31.2): Measurement grid: dx=4.6 mm, dy=4.6 mm, dz=1.5 mm; Graded Ratio: 1.5

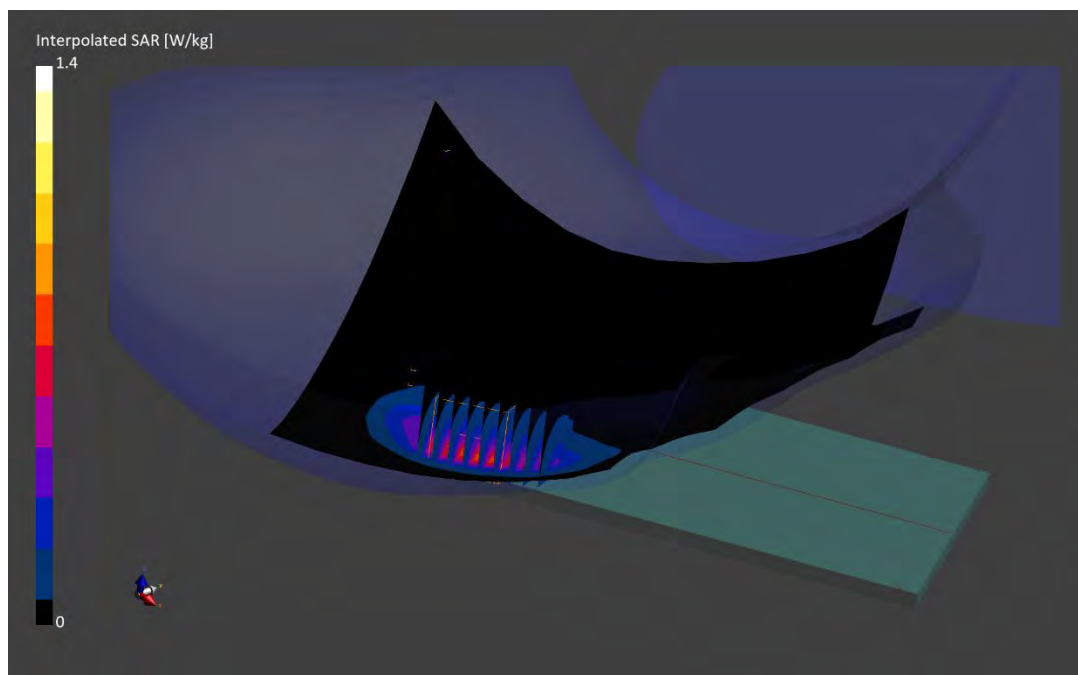
Reference Value = 0.48 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.605 W/kg

Smallest distance from peaks to all points 3 dB below is 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 76.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1153M

Communication System: UID:10770 - AAE, CW; MAIA: Y; Frequency: 831.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 831.500 MHz; cond = 0.904 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/16/2026; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7546; ConvF:(9.26,8.63,9.2); Calibrated: 2025-04-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1368; Calibrated: 2025-04-07

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n26, Antenna A, Open, Exp: Body-worn/Body| Back Side, Ch. 166300,
20 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (120.0 x 240.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (35.7 x 35.7 x 31.2): Measurement grid: dx=5.1 mm, dy=5.1 mm, dz=1.5 mm; Graded Ratio: 1.5

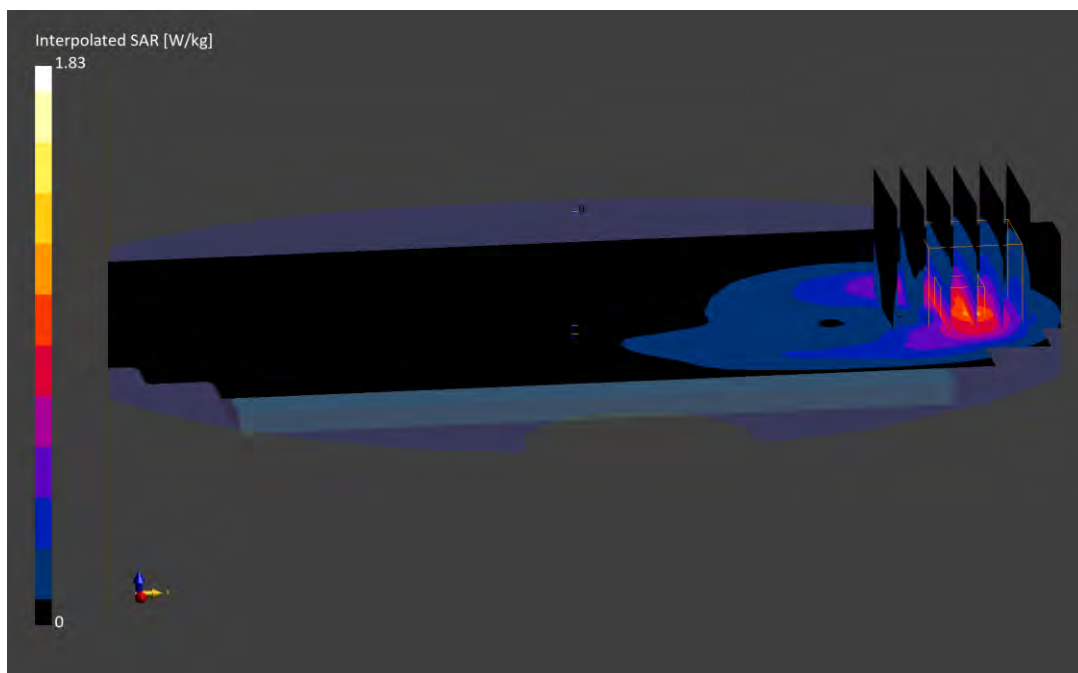
Reference Value = 0.76 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.908 W/kg

Smallest distance from peaks to all points 3 dB below is 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 79.9 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1155M

Communication System: UID:10938 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1702.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1702.500$ MHz; $\text{cond} = 1.28$ S/m; $\text{perm} = 41.5$; $\text{density} = 1000$ kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/18/2026; Ambient Temp: 20.9°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7409; ConvF:(8.07,7.76,8.19); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V8.0; Serial: 2063

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n70, Antenna H, Exp: Head| Left Cheek, Ch. 340500,
15 MHz Bandwidth, DFT-s-OFDM QPSK, 36 RB, 0 RB Offset**

Area Scan (120.0 x 210.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (36.8 x 36.8 x 33.4): Measurement grid: $dx=4.6$ mm, $dy=4.6$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

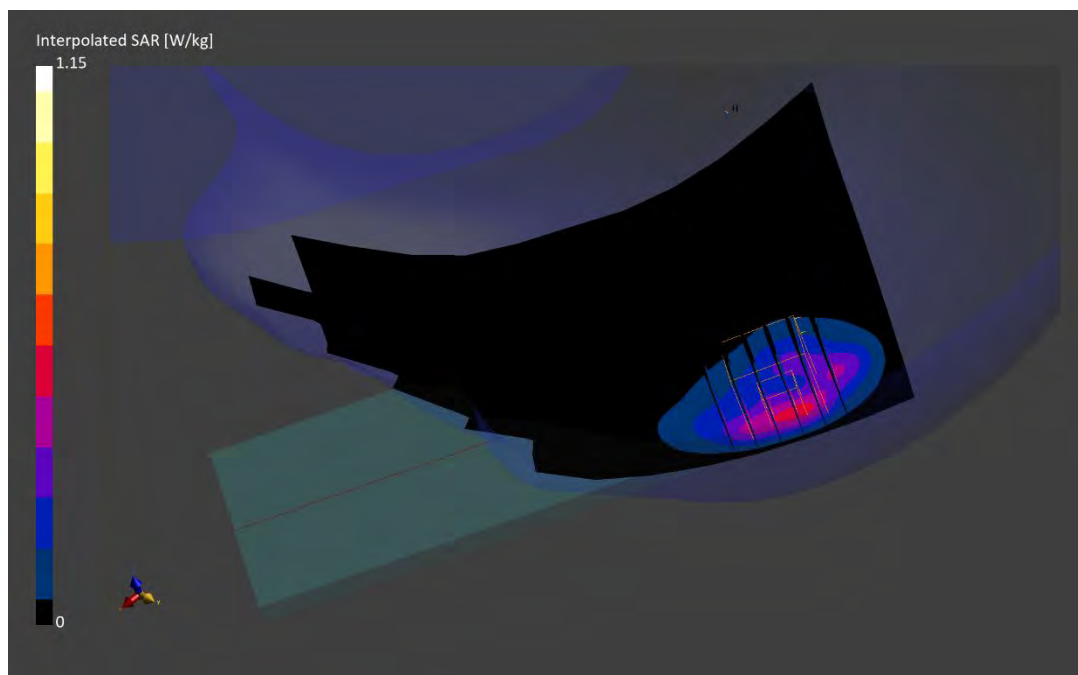
Reference Value = 0.40 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.522 W/kg

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 83.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0893M

Communication System: UID:10938 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1702.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1702.500 MHz; cond = 1.28 S/m; perm = 42.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/21/2026; Ambient Temp: 21.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7409; ConvF:(8.07,7.76,8.19); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V8.0; Serial: 2063

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n70, Antenna B, Open, Exp: Body| Bottom Edge, Ch. 340500,
15 MHz Bandwidth, DFT-s-OFDM QPSK, 36 RB, 0 RB Offset**

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 36.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

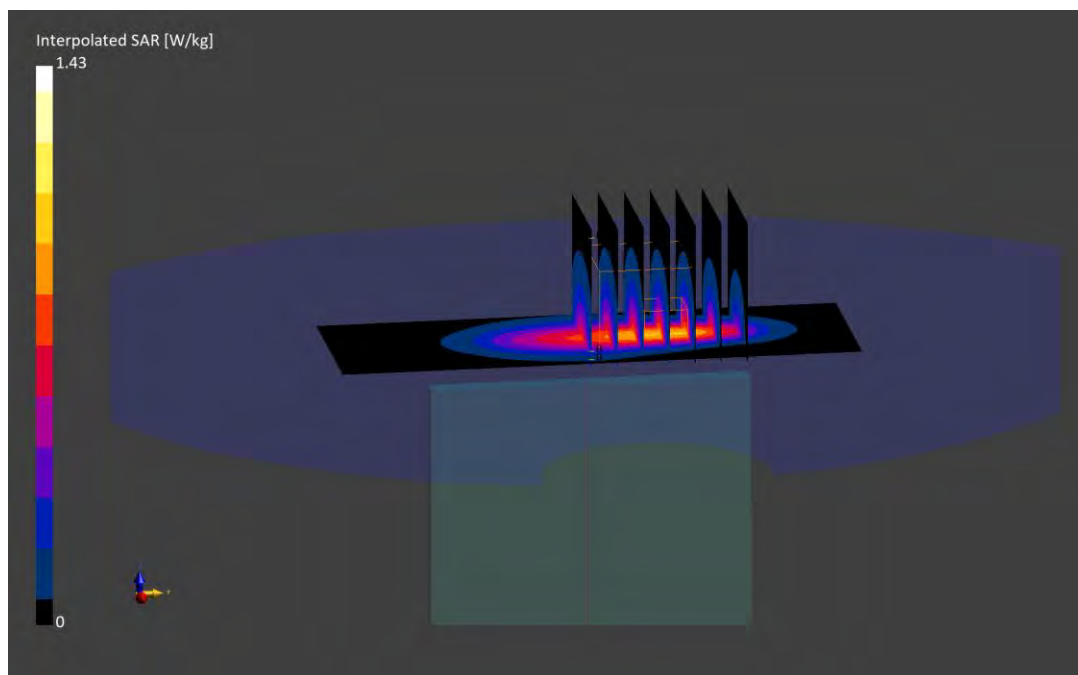
Reference Value = 0.66 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.749 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 82.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0893M

Communication System: UID:10938 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1702.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1702.500 MHz; cond = 1.28 S/m; perm = 42.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/21/2026; Ambient Temp: 21.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7409; ConvF:(8.07,7.76,8.19); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V8.0; Serial: 2063

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n70, Antenna B, Closed, Exp: Body-worn/Body| Back Side, Ch. 340500,
15 MHz Bandwidth, DFT-s-OFDM QPSK, 36 RB, 0 RB Offset**

Area Scan (120.0 x 150.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (35.7 x 35.7 x 31.2): Measurement grid: dx=5.1 mm, dy=5.1 mm, dz=1.5 mm; Graded Ratio: 1.5

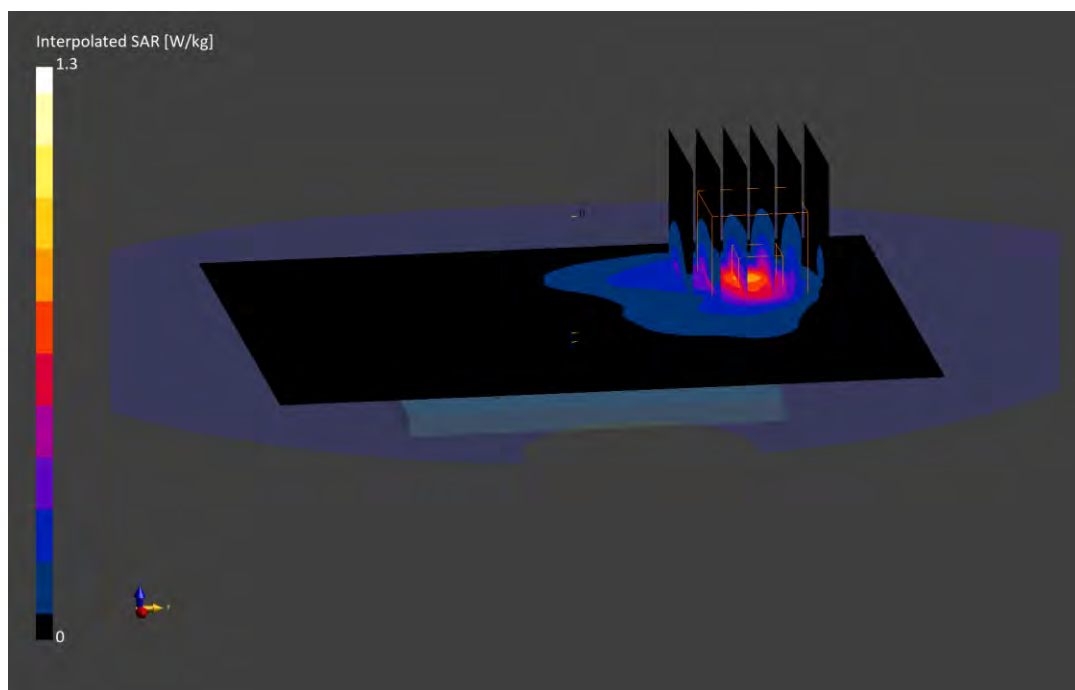
Reference Value = 0.50 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.599 W/kg

Smallest distance from peaks to all points 3 dB below is 6.3 mm

Ratio of SAR at M2 to SAR at M1 = 78.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1155M

Communication System: UID:10773 - AAF, CW; MAIA: Y; Frequency: 1745.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1745.000 MHz; cond = 1.30 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/18/2026; Ambient Temp: 20.9°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7409; ConvF:(8.07,7.76,8.19); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V8.0; Serial: 2063

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n66, Antenna H, Exp: Head| Left Cheek, Ch. 349000,
45 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (32.4 x 32.4 x 31.2): Measurement grid: dx=5.4 mm, dy=5.4 mm, dz=1.5 mm; Graded Ratio: 1.5

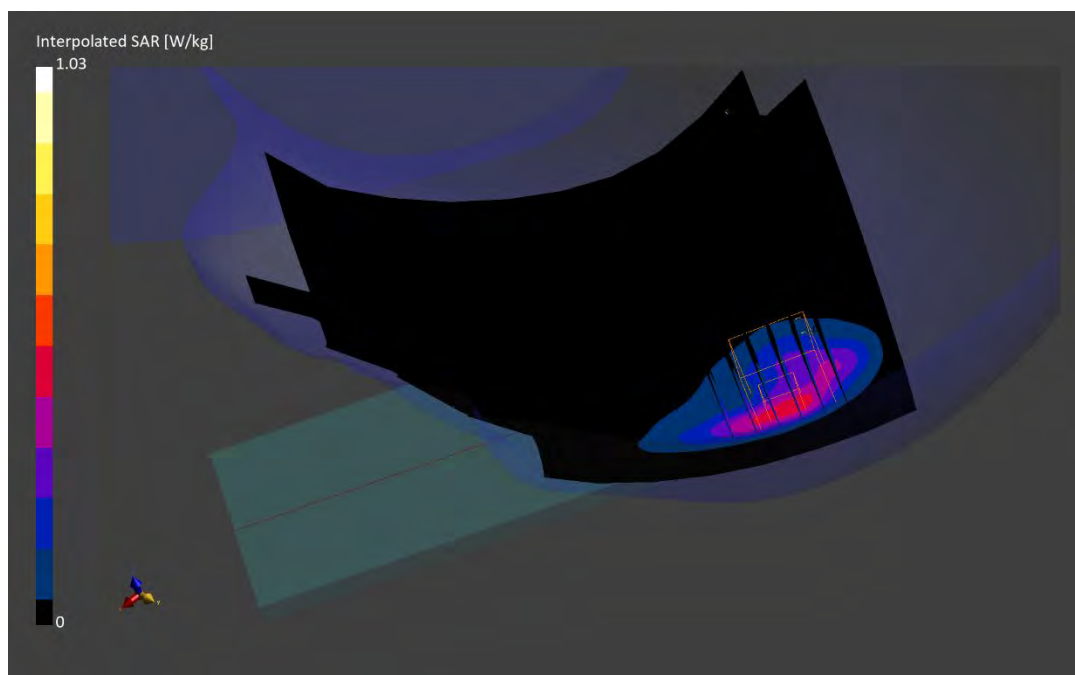
Reference Value = 0.34 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.458 W/kg

Smallest distance from peaks to all points 3 dB below is 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 78.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0876M

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1745.000$ MHz; $\text{cond} = 1.32$ S/m; $\text{perm} = 40.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/20/2026; Ambient Temp: 19.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7417; ConvF:(8.1,7.55,7.78); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4ip Sn1639; Calibrated: 2026-01-08

Phantom: Twin-SAM V8.0; Serial: 1979

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n66, Antenna B, Closed, Exp: Body| Bottom Edge, Ch. 349000,
45 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 240 RB Offset**

Area Scan (40.0 x 120.0): Measurement grid: $dx=5.0$ mm, $dy=15.0$ mm

Zoom Scan (30.0 x 36.0 x 31.2): Measurement grid: $dx=6.0$ mm, $dy=6.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

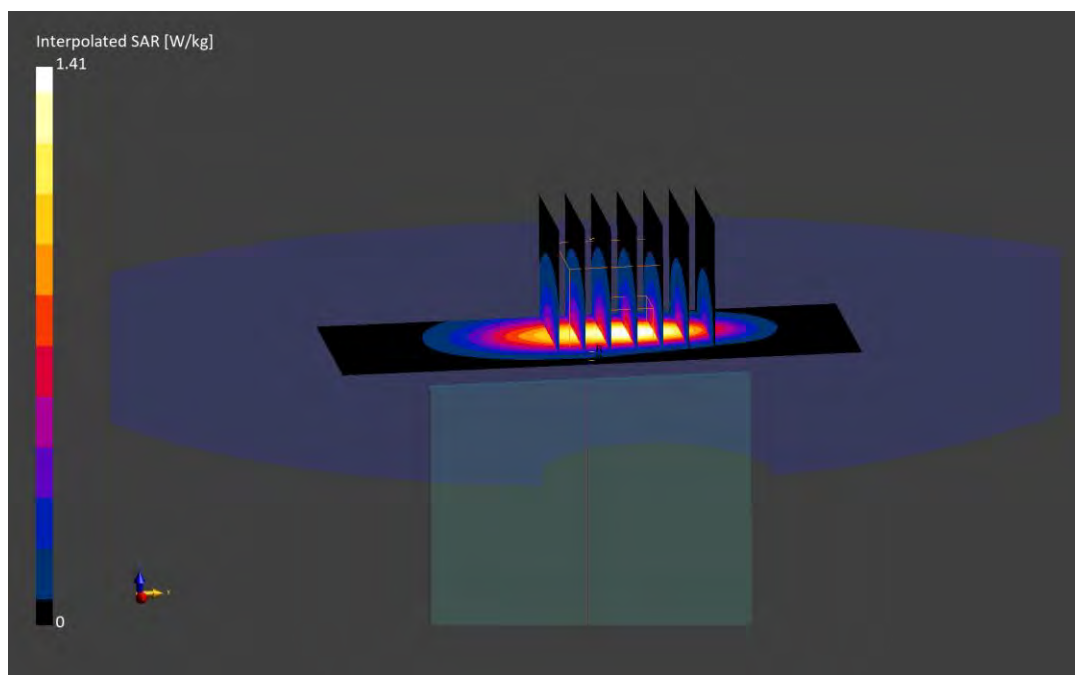
Reference Value = 0.70 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.716 W/kg

Smallest distance from peaks to all points 3 dB below is 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 80.0 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0876M

Communication System: UID:10934 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1745.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1745.000 MHz; cond = 1.32 S/m; perm = 40.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/20/2026; Ambient Temp: 19.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7417; ConvF:(8.1,7.55,7.78); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4ip Sn1639; Calibrated: 2026-01-08

Phantom: Twin-SAM V8.0; Serial: 1979

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n66, Antenna B, Closed, Exp: Body-worn/Body| Back, Ch. 349000,
45 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 240 RB Offset**

Area Scan (120.0 x 120.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

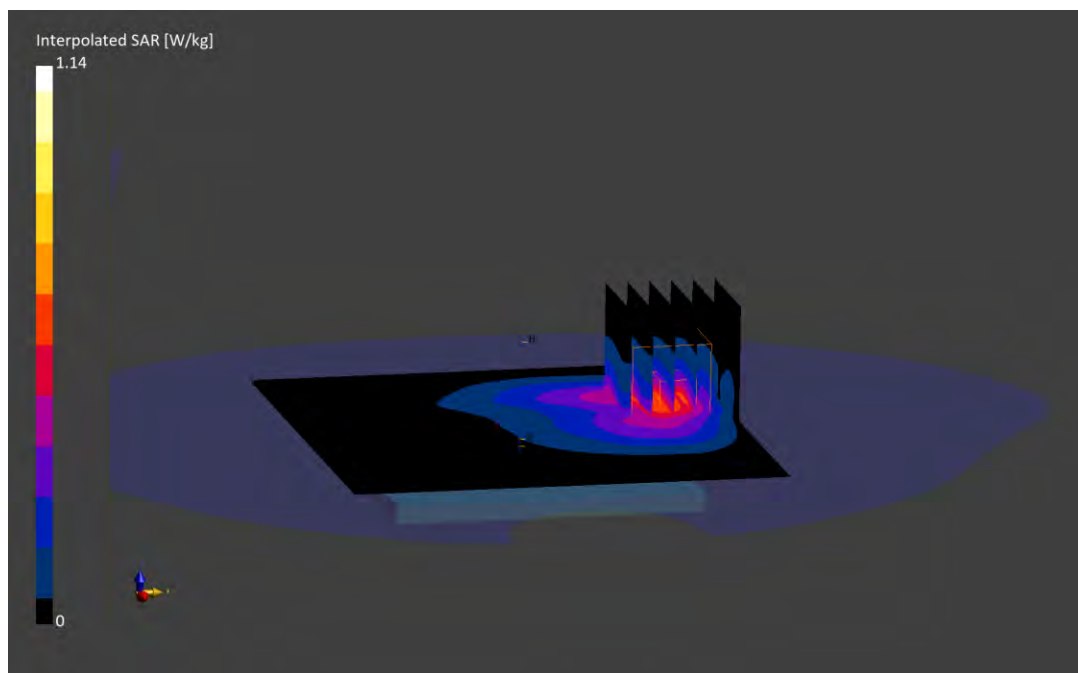
Reference Value = 0.12 W/kg; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.566 W/kg

Smallest distance from peaks to all points 3 dB below is 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 80.6 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0989M

Communication System: UID:10773 - AAF, CW; MAIA: Y; Frequency: 1882.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1882.500 MHz; cond = 1.43 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/23/2026; Ambient Temp: 21.0°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7409; ConvF:(7.64,7.35,7.76); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V8.0; Serial: 2063

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n25, Antenna H, Exp: Head| Left Cheek, Ch. 376500,
40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (150.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (32.4 x 32.4 x 31.2): Measurement grid: dx=5.4 mm, dy=5.4 mm, dz=1.5 mm; Graded Ratio: 1.5

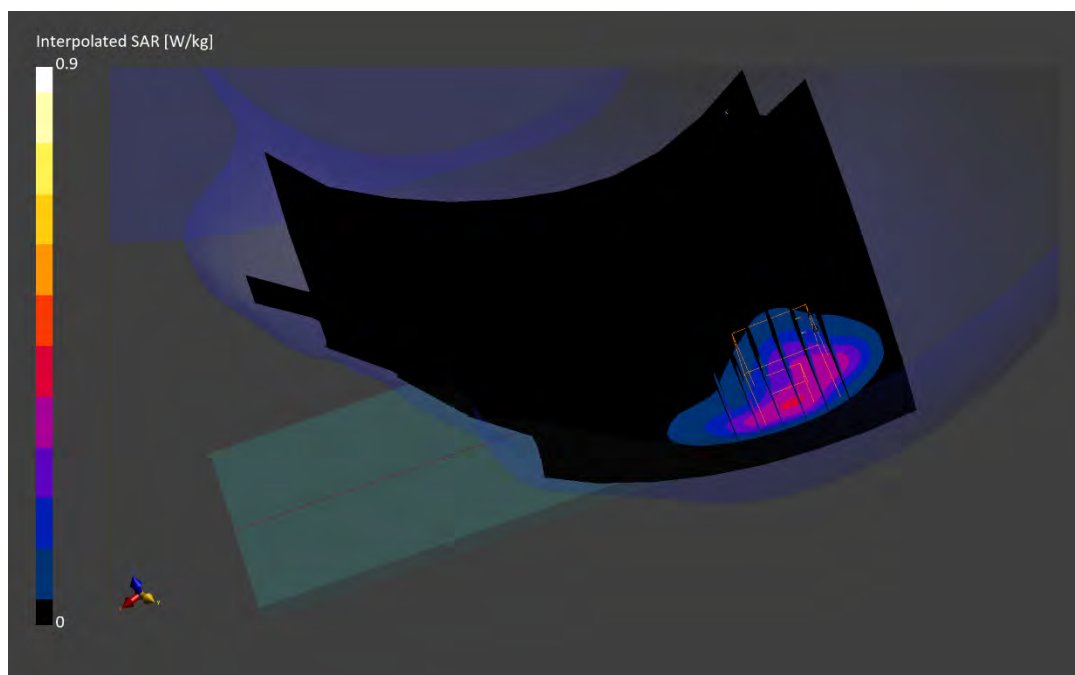
Reference Value = 0.32 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.416 W/kg

Smallest distance from peaks to all points 3 dB below is 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 80.2 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0893M

Communication System: UID:10942 - AAC, 5G NR FR1 FDD; MAIA: Y; Frequency: 1882.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1882.500$ MHz; $\text{cond} = 1.43$ S/m; $\text{perm} = 40.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/20/2026; Ambient Temp: 22.0°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7565; ConvF:(8.17,6.98,6.54); Calibrated: 2026-01-14

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1466; Calibrated: 2026-01-12

Phantom: Twin-SAM V5.0; Serial: 1715

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n25, Antenna B, Closed, Exp: Body-worn/Body| Back Side, Ch. 376500,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 108 RB, 0 RB Offset**

Area Scan (120.0 x 120.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (39.2 x 39.2 x 31.2): Measurement grid: $dx=5.6$ mm, $dy=5.6$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

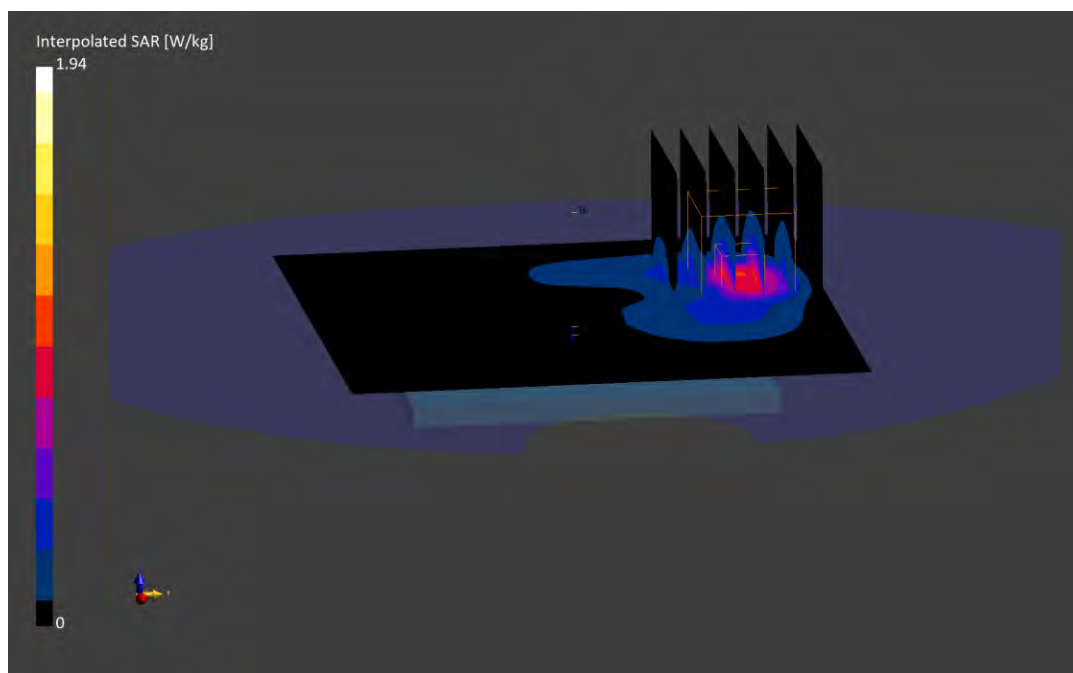
Reference Value = 0.70 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.901 W/kg

Smallest distance from peaks to all points 3 dB below is 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 81.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0893M

Communication System: UID:10768 - AAE, CW; MAIA: Y; Frequency: 2310.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2310.000 MHz; cond = 1.67 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/22/2026; Ambient Temp: 21.5°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7409; ConvF:(7.27,6.99,7.38); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V8.0; Serial: 2063

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n30, Antenna H, Exp: Head| Left Cheek, Ch. 462000,
10 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (140.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (38.0 x 38.0 x 33.4): Measurement grid: dx=3.8 mm, dy=3.8 mm, dz=1.4 mm; Graded Ratio: 1.4

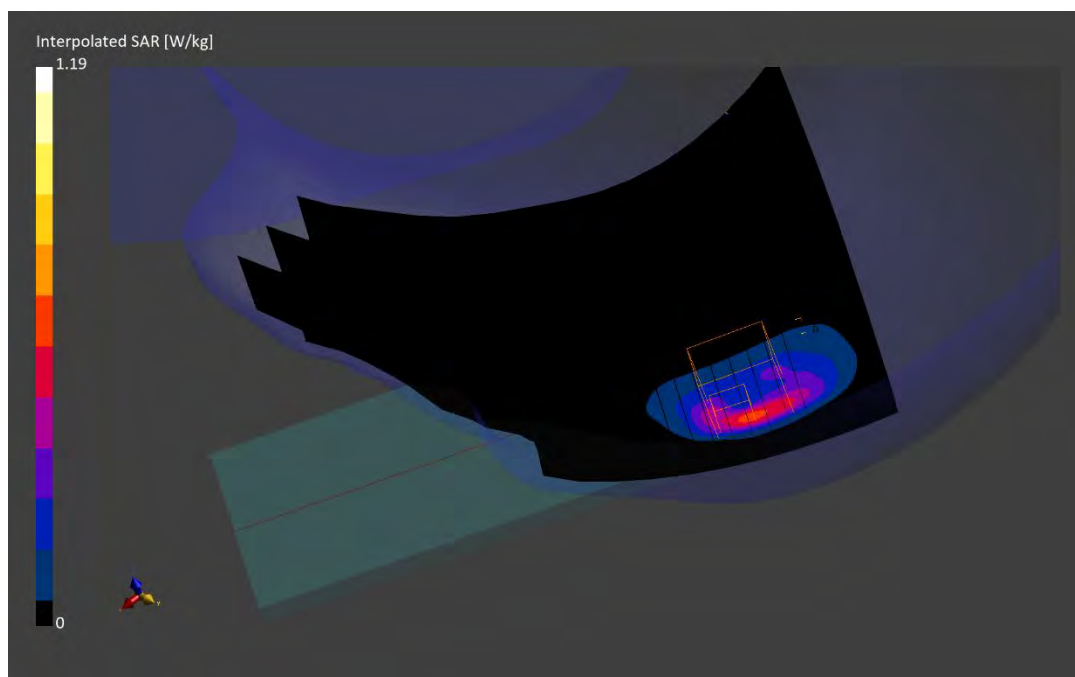
Reference Value = 0.36 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.452 W/kg

Smallest distance from peaks to all points 3 dB below is 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 76.4 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0876M

Communication System: UID:10945 - AAD, 5G NR FR1 FDD; MAIA: Y; Frequency: 2310.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2310.000$ MHz; $\text{cond} = 1.65$ S/m; $\text{perm} = 40.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/27/2026; Ambient Temp: 21.1°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7670; ConvF:(7.12,7.55,7.79); Calibrated: 2025-10-13

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1449; Calibrated: 2025-10-13

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n30, Antenna B, Closed, Exp: Body-worn/Body| Back Side, Ch. 462000,
10 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 0 RB Offset**

Area Scan (120.0 x 120.0): Measurement grid: $dx=12.0$ mm, $dy=12.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=3.0$ mm, $dy=3.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

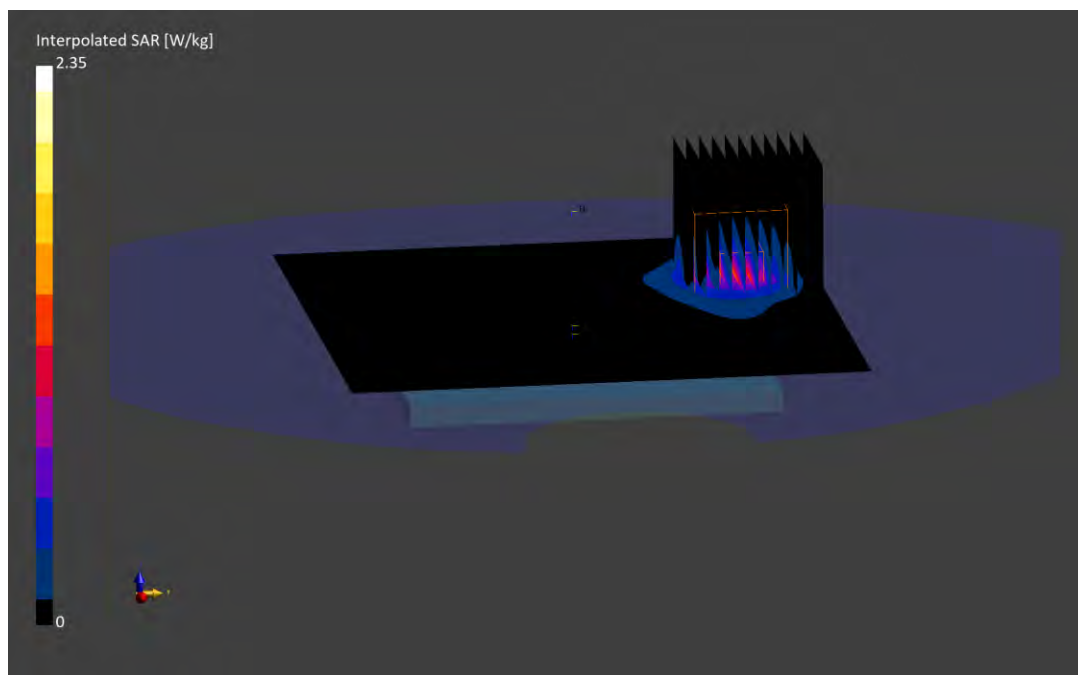
Reference Value = 0.80 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.973 W/kg

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 76.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0369M

Communication System: UID:10935 - AAD, 5G NR FR1 FDD; MAIA: Y; Frequency: 2535.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2535.000 MHz; cond = 1.83 S/m; perm = 39.9; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/13/2026; Ambient Temp: 21.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7558; ConvF:(7.14,6.85,7.42); Calibrated: 2025-09-15

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1364; Calibrated: 2025-09-10

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n7, Antenna H, Exp: Head| Left Cheek, Ch. 507000,
50 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (31.9 x 31.9 x 31.2): Measurement grid: dx=2.9 mm, dy=2.9 mm, dz=1.2 mm; Graded Ratio: 1.2

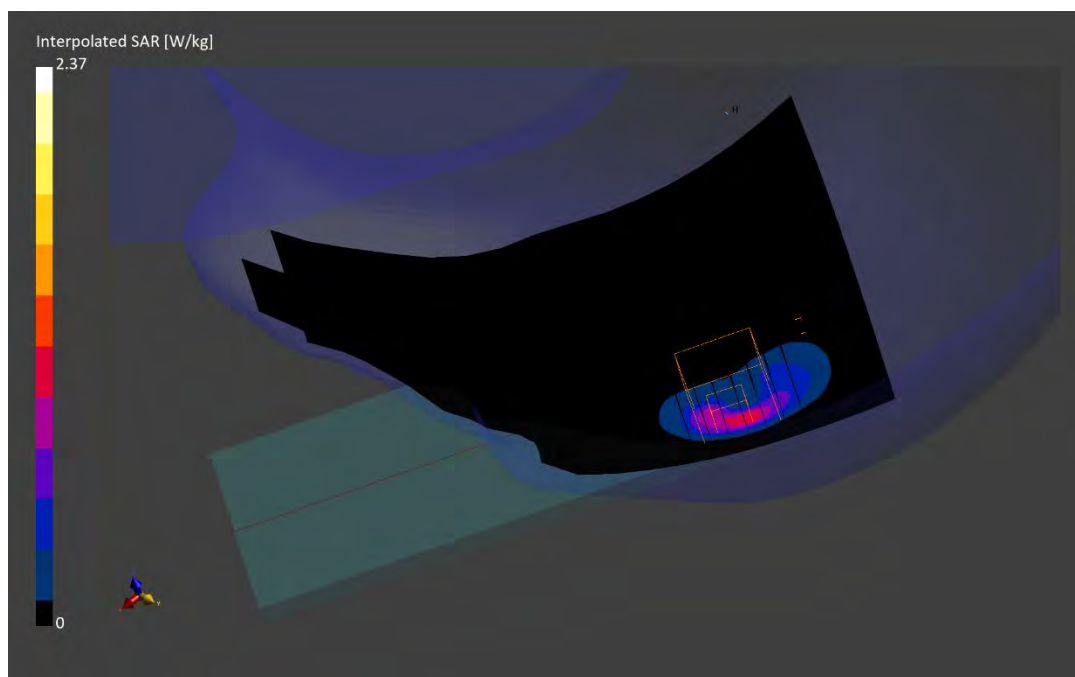
Reference Value = 0.69 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.37 W/kg

SAR(1 g) = 0.840 W/kg

Smallest distance from peaks to all points 3 dB below is 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 76.5 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0662M

Communication System: UID:10943 - , NR FR1 FDD; MAIA: Y; Frequency: 2535.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2535.000 MHz; cond = 1.88 S/m; perm = 40.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/11/2026 Ambient Temp: 21.3°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7406; ConvF:(7.23,6.79,7.35); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: NR Band n7, Antenna B, Open, Exp: Body-worn/Body| Back Side, Ch. 507000,
50 MHz Bandwidth, DFT-s-OFDM QPSK, 135 RB, 0 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

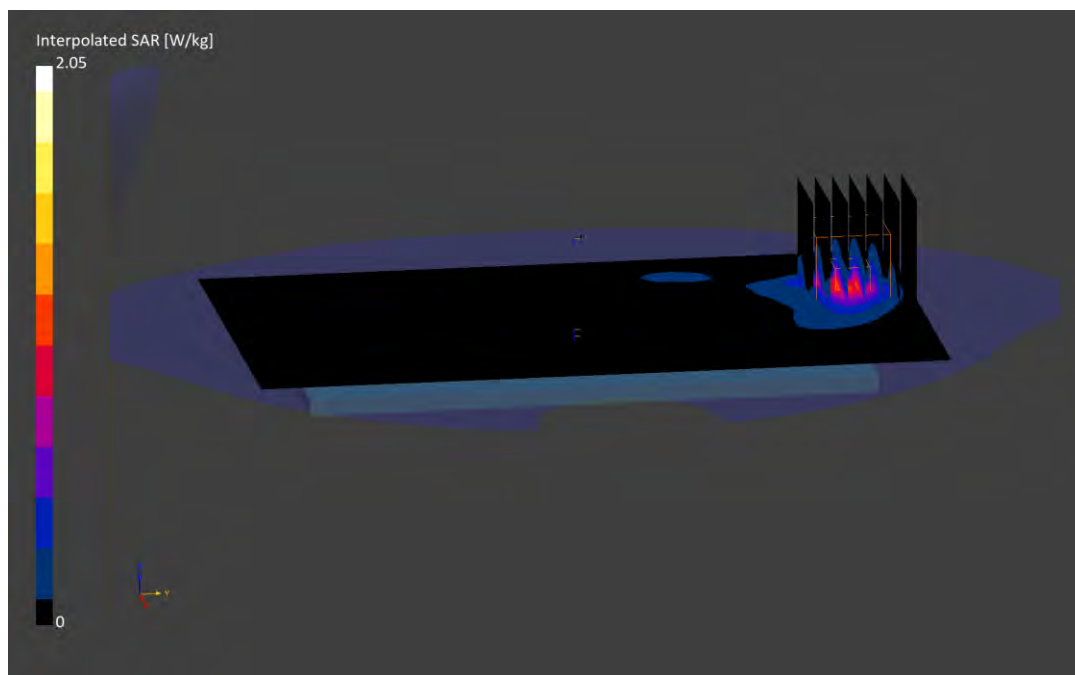
Reference Value = 0.71 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.912 W/kg

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 78.6 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0668M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 2593.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2593.000 MHz; cond = 1.88 S/m; perm = 40.5; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 20.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.14,6.87,7.25); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1333; Calibrated: 2025-06-04

Phantom: Twin-SAM V8.0; Serial: 2063

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n41, Antenna H, Path 1, Exp: Head| Left Cheek, Ch. 518598,
100 MHz Bandwidth, CW/SRS**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (40.0 x 40.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

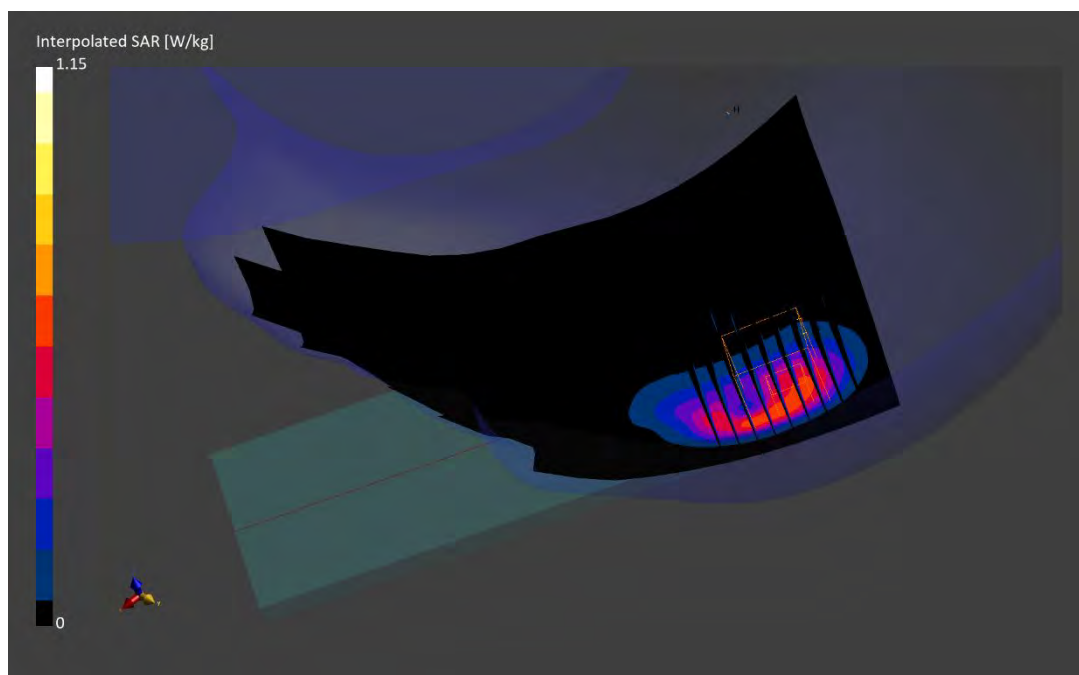
Reference Value = 0.34 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.535 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 79.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1159M

Communication System: UID:10866 - AAF, 5G NR FR1 TDD; MAIA: Y; Frequency: 2592.990 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2592.990 MHz; cond = 1.90 S/m; perm = 40.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/23/2026; Ambient Temp: 19.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7402; ConvF:(7.06,7.63,7.26); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1502; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n41, Antenna B, Path 1, Closed, Exp: Body-worn/Body| Back Side,
Ch. 518598, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 271 RB Offset**

Area Scan (120.0 x 140.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (33.6 x 33.6 x 31.2): Measurement grid: dx=4.2 mm, dy=4.2 mm, dz=1.5 mm; Graded Ratio: 1.5

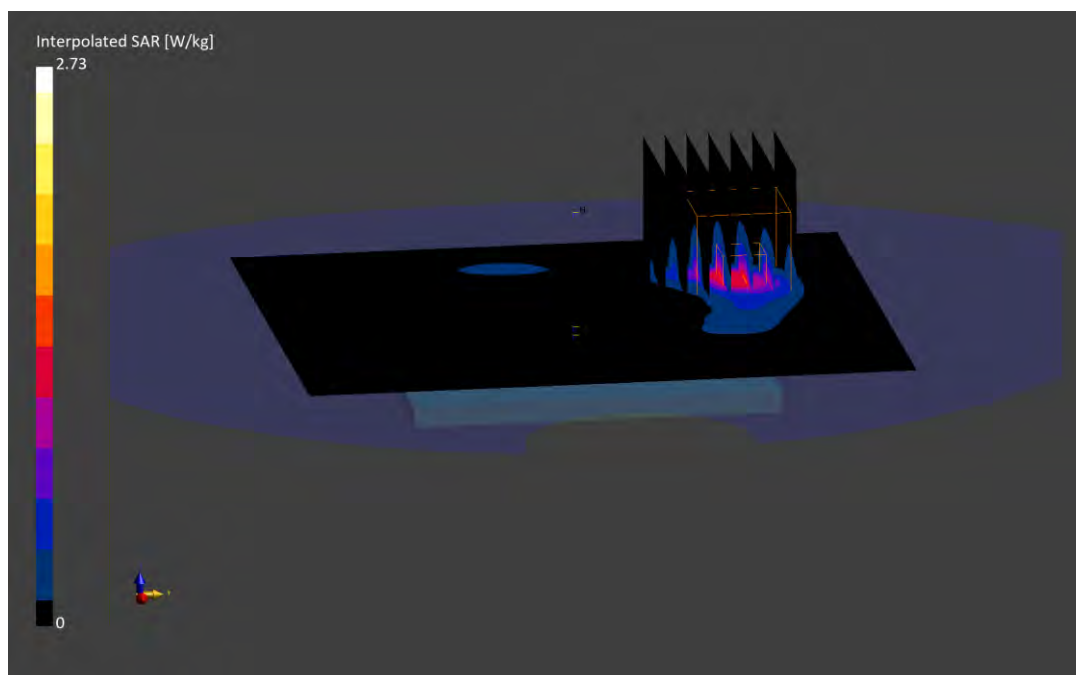
Reference Value = 0.83 W/kg; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.73 W/kg

SAR(1 g) = 1.12 W/kg

Smallest distance from peaks to all points 3 dB below is 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 78.0 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0668M

Communication System: UID:10797 - AAF, CW; MAIA: Y; Frequency: 2595.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2595.000 MHz; cond = 1.89 S/m; perm = 38.7; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 04/01/2026; Ambient Temp: 20.6°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7402; ConvF:(7.06,7.63,7.26); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1502; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n38, Antenna H, Exp: Head| Left Cheek, Ch. 519000,
40 MHz Bandwidth, CP-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (120.0 x 220.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (40.0 x 40.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

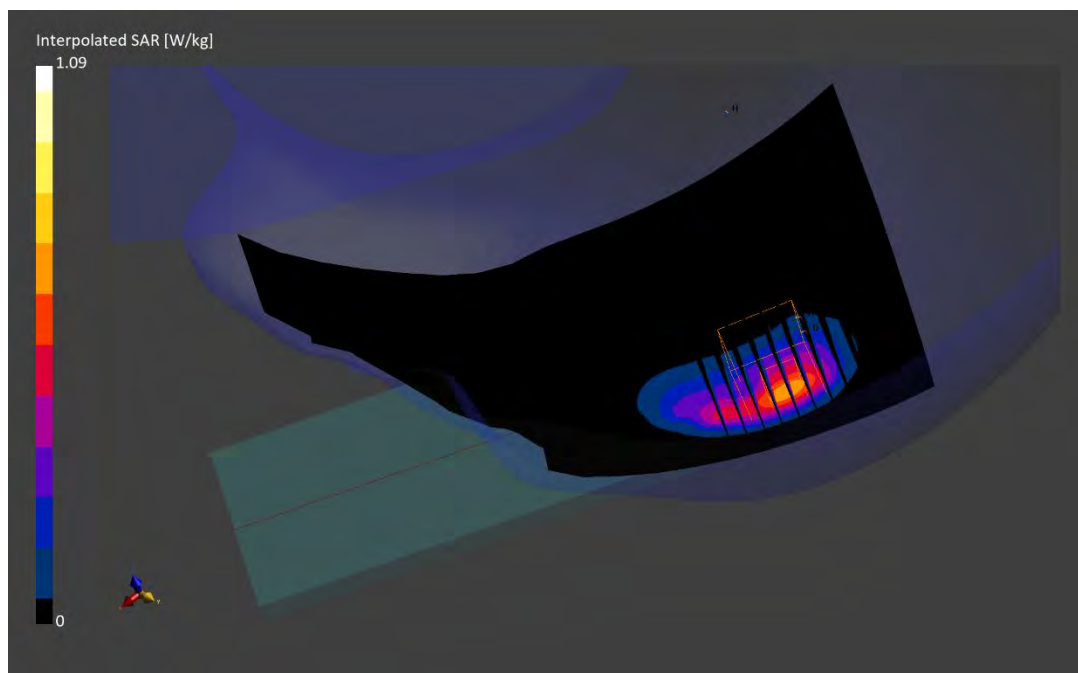
Reference Value = 0.43 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.505 W/kg

Smallest distance from peaks to all points 3 dB below is 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 79.9 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0776M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3680.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3680.000 MHz; cond = 3.00 S/m; perm = 36.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/16/2026; Ambient Temp: 20.7°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7402; ConvF:(6.35,6.86,6.54); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1502; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n48, Antenna H, Exp: Head| Left Cheek, Ch. 645332,
40 MHz Bandwidth, CW/SRS**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (34.2 x 34.2 x 33.4): Measurement grid: dx=3.8 mm, dy=3.8 mm, dz=1.4 mm; Graded Ratio: 1.4

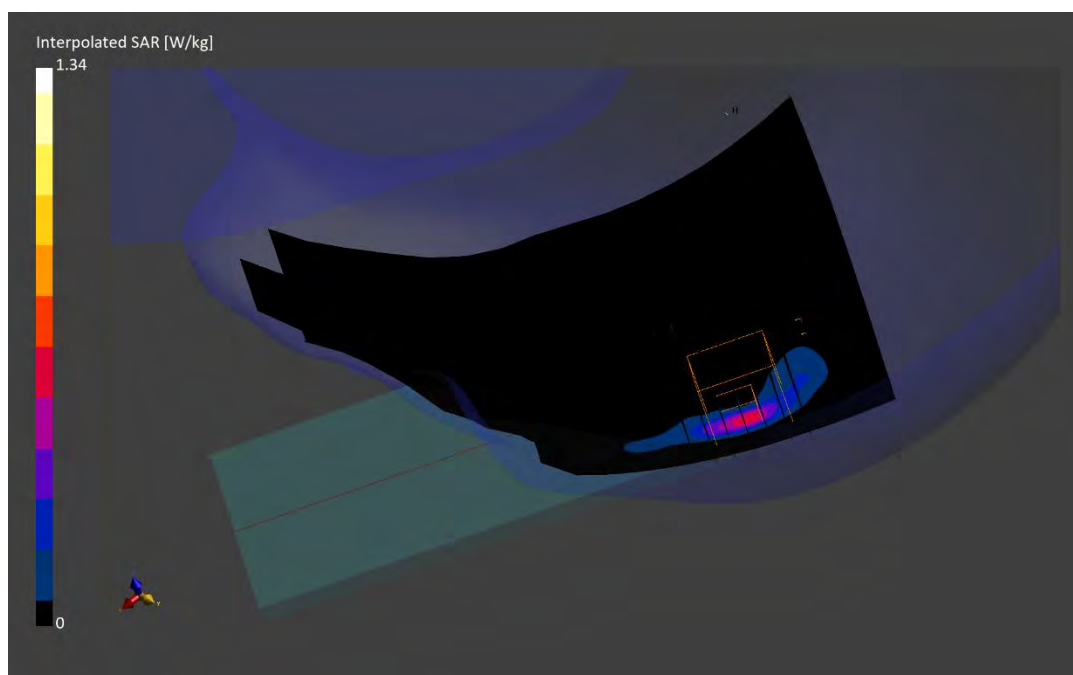
Reference Value = 0.27 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.384 W/kg

Smallest distance from peaks to all points 3 dB below is 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 70.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0895M

Communication System: UID:10903 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3569.995 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3569.995 MHz; cond = 2.96 S/m; perm = 37.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/20/2026; Ambient Temp: 21.2°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7402; ConvF:(6.24,6.75,6.43); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1502; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n48, Antenna F, Open, Exp: Body| Left Edge, Ch. 638000,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 104 RB Offset**

Area Scan (50.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 29.1): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5

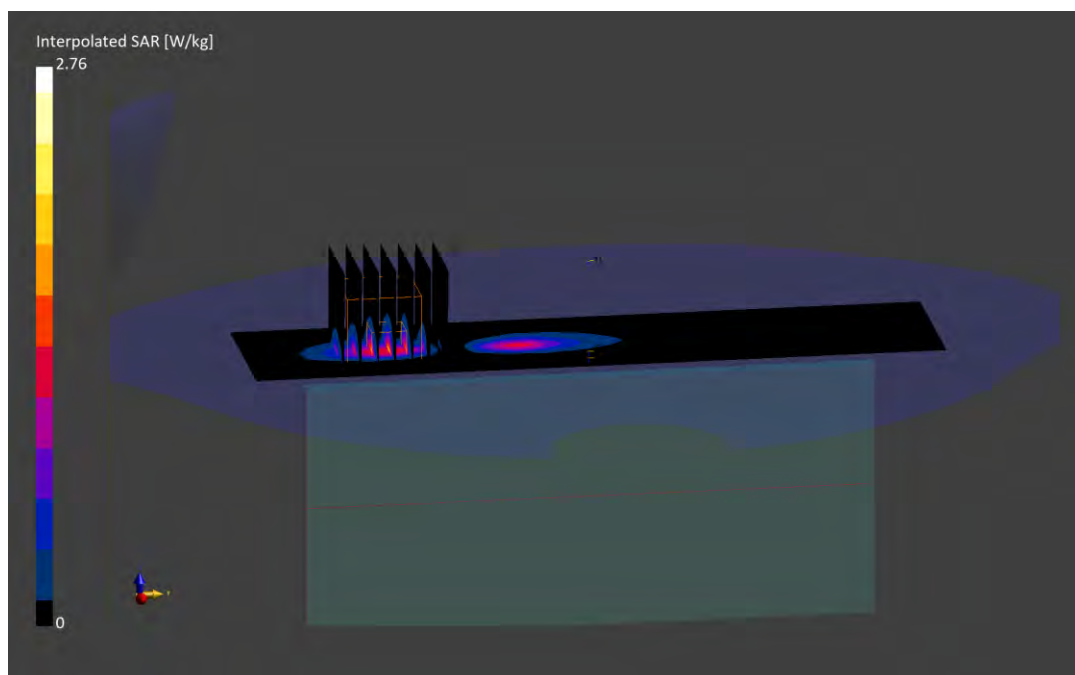
Reference Value = 0.66 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.76 W/kg

SAR(1 g) = 0.933 W/kg

Smallest distance from peaks to all points 3 dB below is 6.0 mm

Ratio of SAR at M2 to SAR at M1 = 73.9 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0895M

Communication System: UID:10903 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3679.975 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3679.975 MHz; cond = 3.05 S/m; perm = 37.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/20/2026; Ambient Temp: 21.2°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7402; ConvF:(6.35,6.86,6.54); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1502; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n48, Antenna F, Open, Exp: Body-worn/Body| Back Side, Ch. 645332,
40 MHz Bandwidth, DFT-s-OFDM QPSK, 50 RB, 0 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (29.4 x 29.4 x 29.1): Measurement grid: dx=4.2 mm, dy=4.2 mm, dz=1.4 mm; Graded Ratio: 1.5

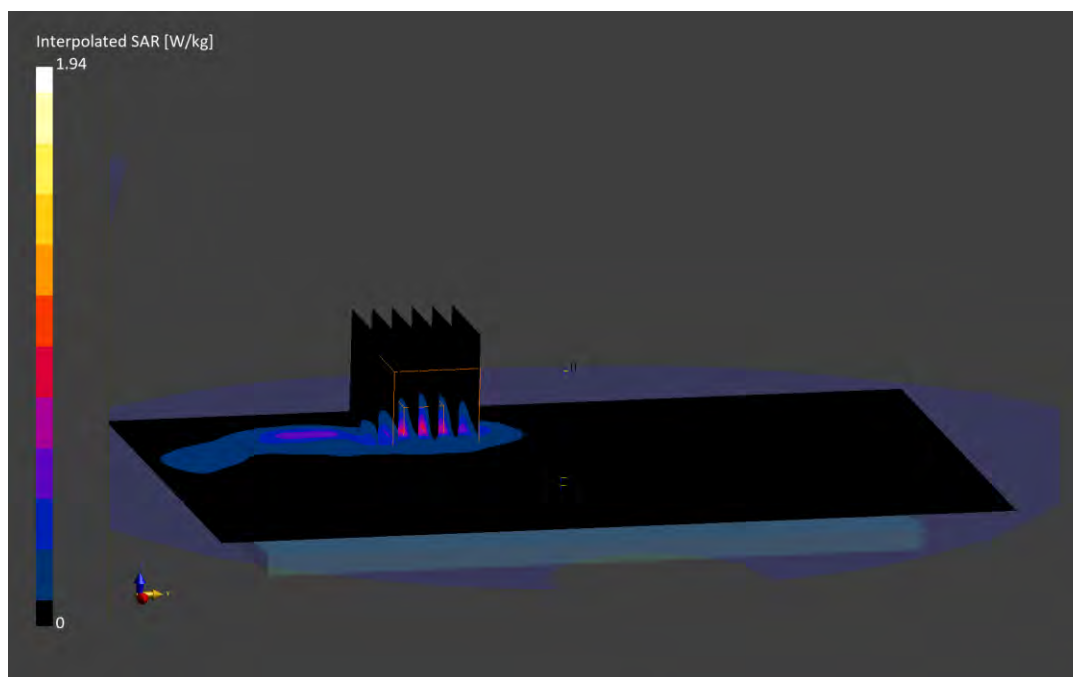
Reference Value = 0.44 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.623 W/kg

Smallest distance from peaks to all points 3 dB below is 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 71.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0776M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3500.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3500.000 MHz; cond = 2.87 S/m; perm = 36.3; density = 1000 kg/m³

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 03/18/2026; Ambient Temp: 21.0°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7558; ConvF:(6.46,6.2,6.72); Calibrated: 2025-09-15

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1364; Calibrated: 2025-09-10

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n77 DoD, Antenna H, Exp: Head| Left Cheek, Ch. 633334,
100 MHz Bandwidth, CW/SRS**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (29.4 x 29.4 x 33.4): Measurement grid: dx=4.2 mm, dy=4.2 mm, dz=1.4 mm; Graded Ratio: 1.4

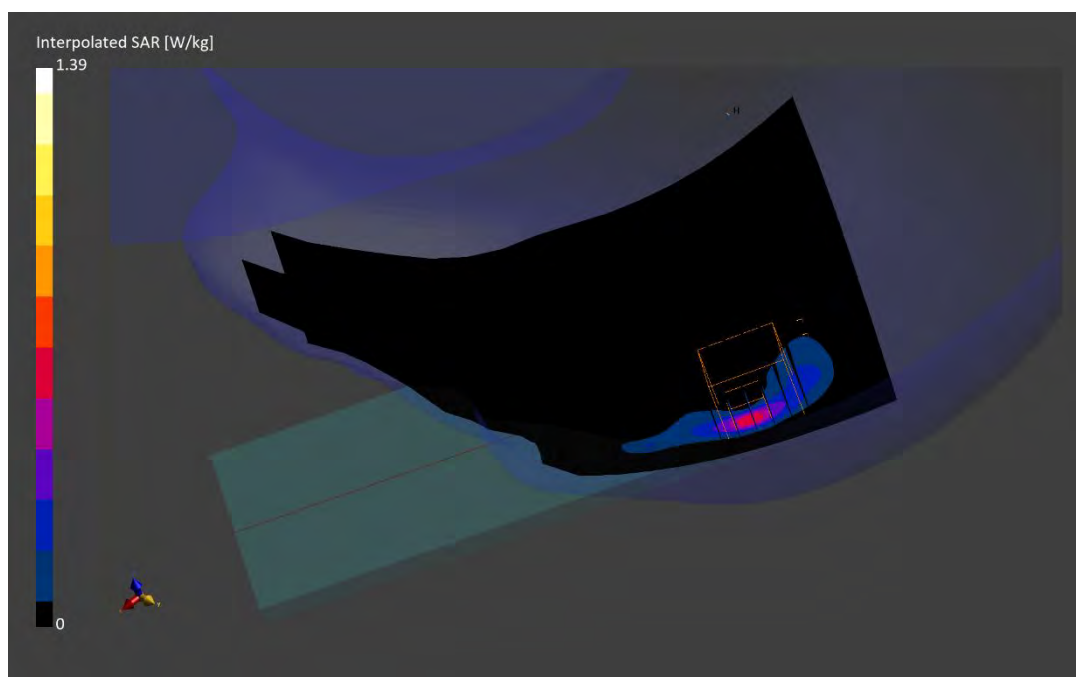
Reference Value = 0.32 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.407 W/kg

Smallest distance from peaks to all points 3 dB below is 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 69.9 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0369M

Communication System: UID:10866 - AAF, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3750.000 MHz; cond = 3.10 S/m; perm = 36.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/27/2026; Ambient Temp: 20.8°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7402; ConvF:(6.35,6.86,6.54); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1502; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n77, Antenna F, Open, Exp: Body-worn/Body| Back Side, Ch. 650000,
100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (29.4 x 33.6 x 29.1): Measurement grid: dx=4.2 mm, dy=4.2 mm, dz=1.4 mm; Graded Ratio: 1.5

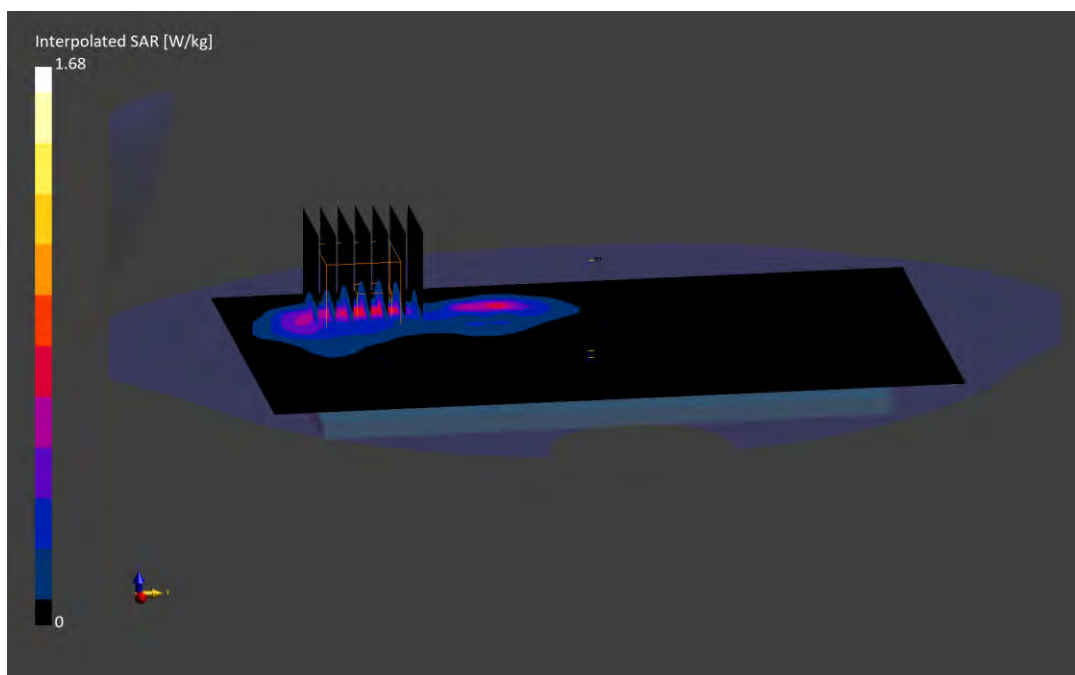
Reference Value = 0.42 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.603 W/kg

Smallest distance from peaks to all points 3 dB below is 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 74.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0895M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 3500.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3500.000 MHz; cond = 2.89 S/m; perm = 37.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/27/2026; Ambient Temp: 20.8°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7402; ConvF:(6.24,6.75,6.43); Calibrated: 2025-06-12

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1502; Calibrated: 2025-06-04

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NR Band n77 DoD, Antenna C, Open, Exp: Body| Left Edge, Ch. 633334,
100 MHz Bandwidth, CW/SRS**

Area Scan (50.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 29.1): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5

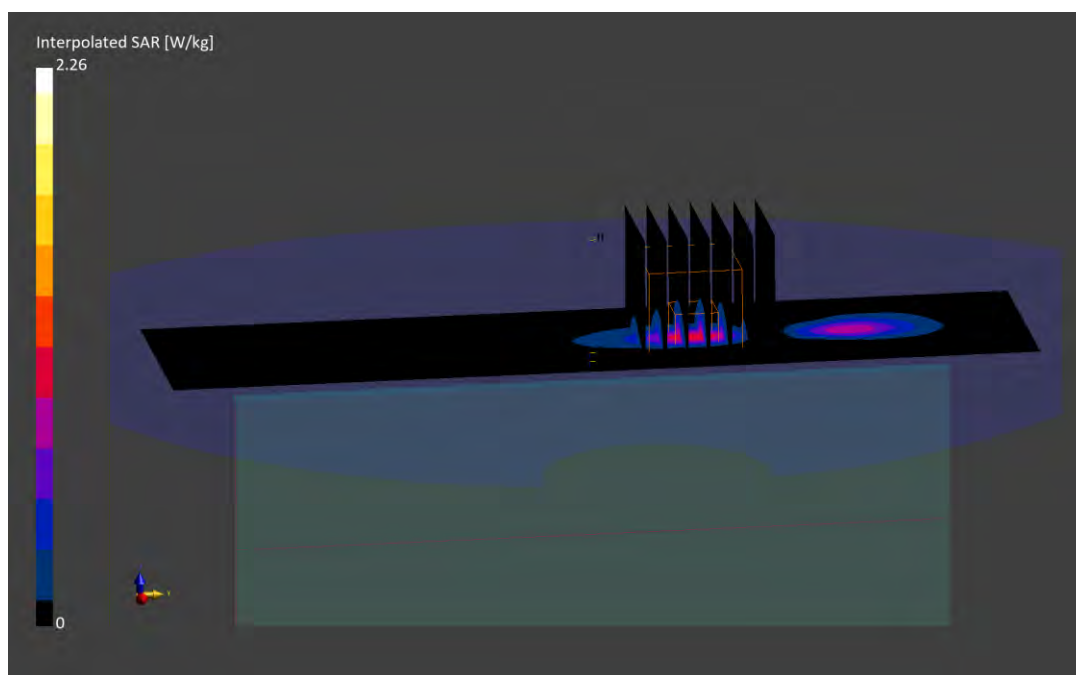
Reference Value = 0.49 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 0.727 W/kg

Smallest distance from peaks to all points 3 dB below is 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 74.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0359M

Communication System: UID:10931, NR FR1 FDD; MAIA: Y; Frequency: 1643.500 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1643.500 MHz; cond = 1.25 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/30/2026; Ambient Temp: 21.5°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7527; ConvF:(7.5,6.83,8.36); Calibrated: 2025-10-14

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V17.0.4.7034

**Mode: NTN Band 255, Antenna M, Open, Exp: Body| Top Edge, Ch. 261674, 200 kHz
Bandwidth, QPSK, 1 Tone, 6 Tone Start**

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

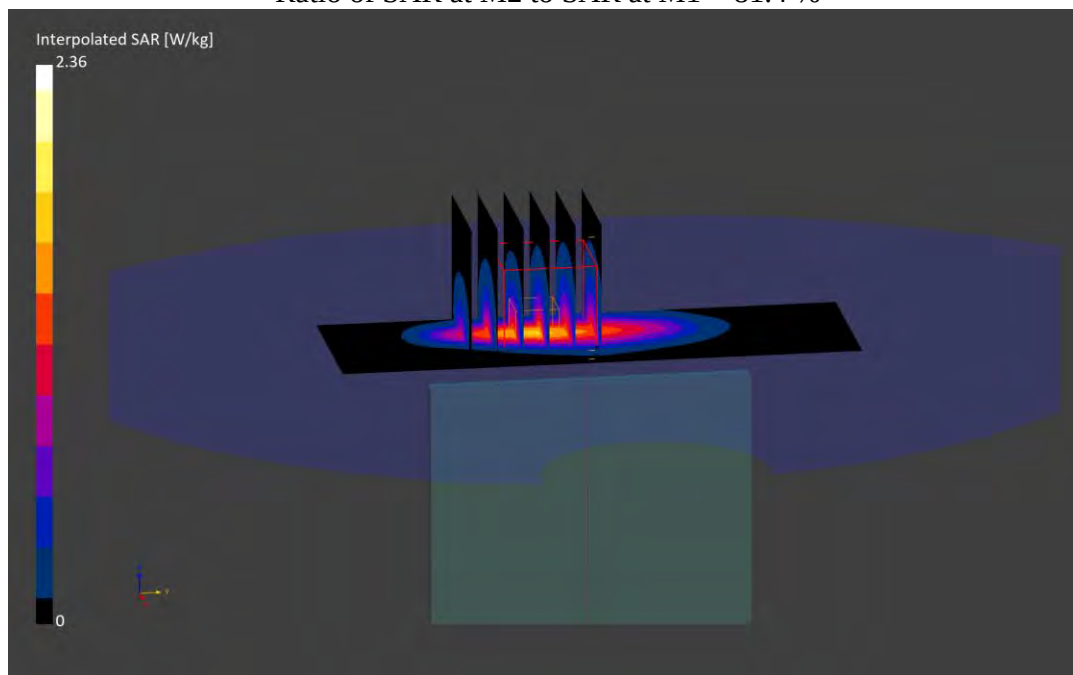
Reference Value = 1.14 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 1.24 W/kg

Smallest distance from peaks to all points 3 dB below is 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 81.4 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0359M

Communication System: UID: 1000658; MAIA: Y; Frequency: 1660.400 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1660.400 MHz; cond = 1.26 S/m; perm = 41.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/30/2026; Ambient Temp: 21.5°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7527; ConvF:(7.5,6.83,8.36); Calibrated: 2025-10-14

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V17.0.4.7034

**Mode: NTN Band 255, Antenna M, Open, Exp: Body| Back Side, Ch. 261843, 200 kHz
Bandwidth, QPSK, 1 Tone, 6 Tone Start**

Area Scan (120.0 x 210.0): Measurement grid: dx=15.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

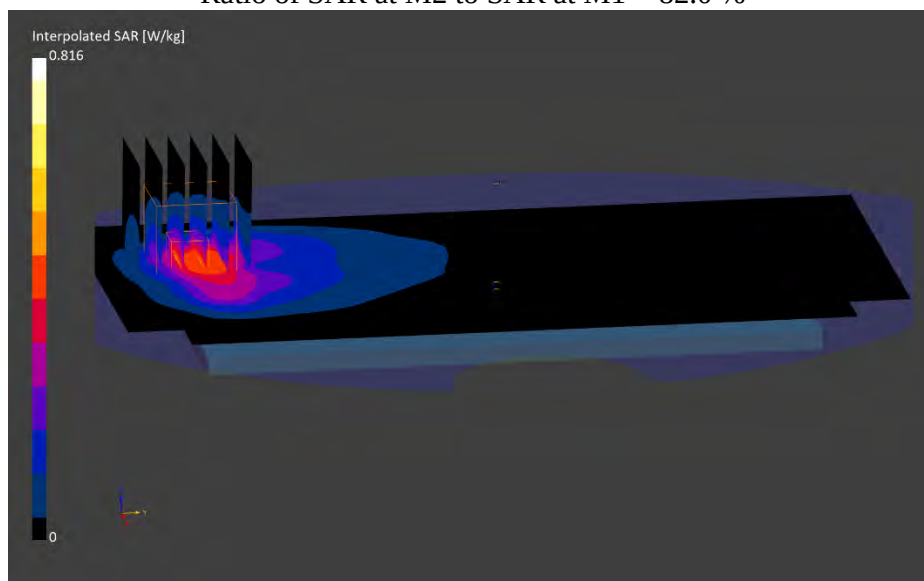
Reference Value = 0.41 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.816 W/kg

SAR(1 g) = 0.428 W/kg

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 82.0 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0643M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2462.000 MHz; cond = 1.87 S/m; perm = 37.9; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/23/2026; Ambient Temp: 20.3°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7659; ConvF:(7.91,7.59,7.69); Calibrated: 2025-04-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1272; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna G, 22 MHz Bandwidth,
Exp: Head| Right Cheek, Ch. 11, 1Mbps**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (40.0 x 40.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

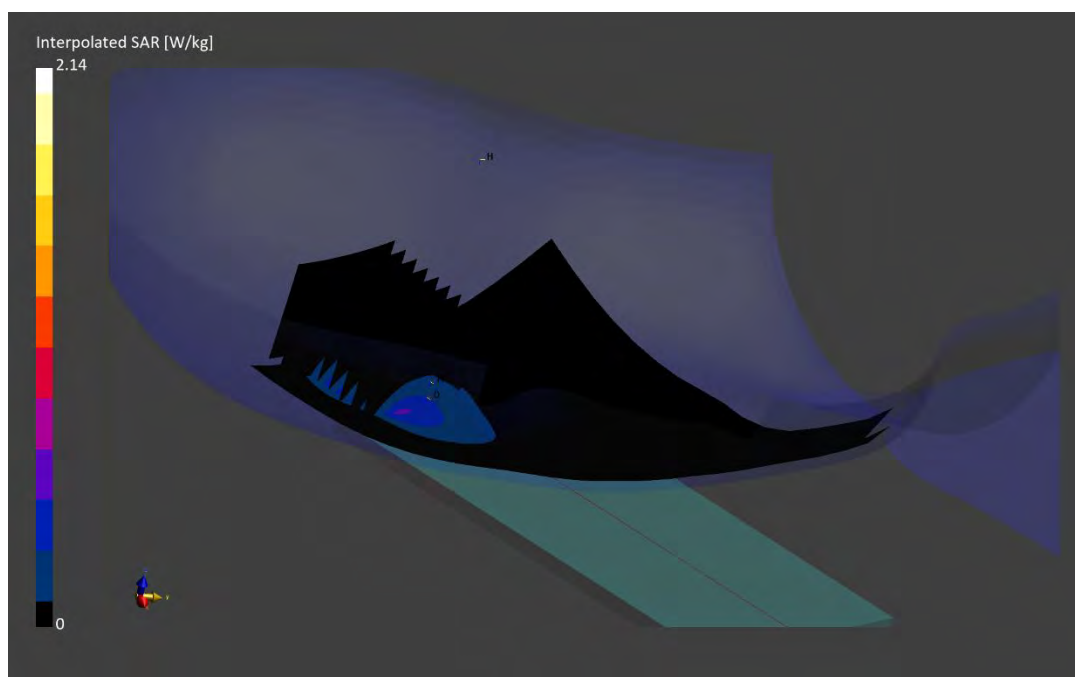
Reference Value = 0.16 W/kg; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.942 W/kg

Smallest distance from peaks to all points 3 dB below is 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 79.2 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0823M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2462.000 MHz; cond = 1.78 S/m; perm = 38.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/16/2026; Ambient Temp: 22.5°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7659; ConvF:(7.91,7.59,7.69); Calibrated: 2025-04-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1272; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna C, 22 MHz Bandwidth,
Open, Exp: Body| Left Edge, Ch. 11, 1Mbps**

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (32.0 x 32.0 x 31.2): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.5 mm; Graded Ratio: 1.5

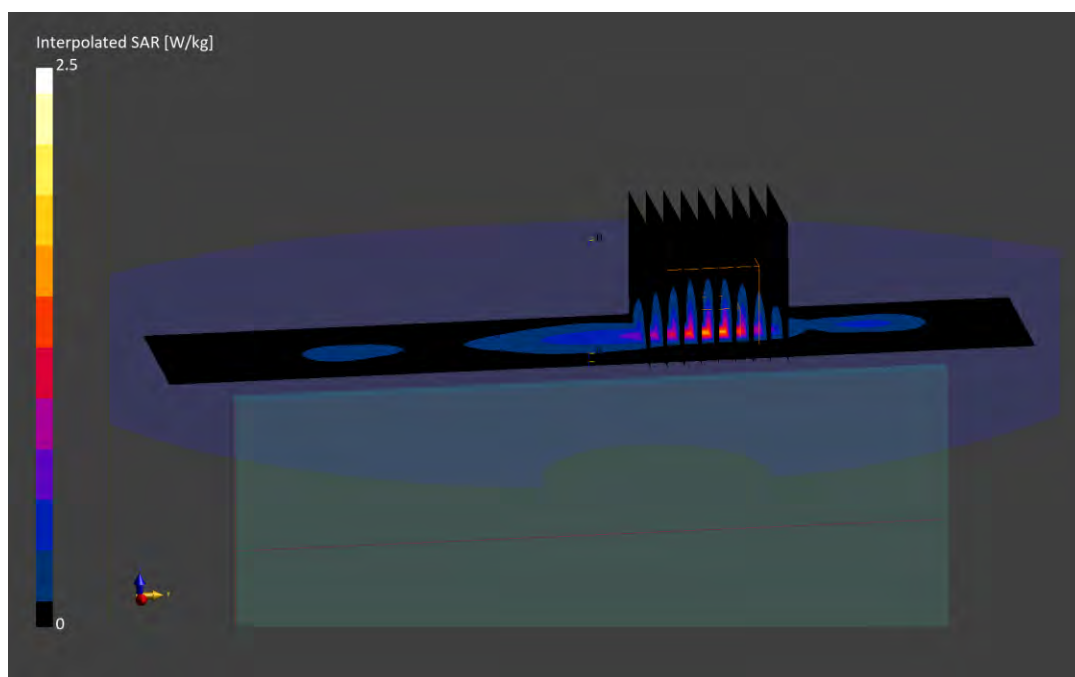
Reference Value = 0.88 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 0.973 W/kg

Smallest distance from peaks to all points 3 dB below is 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 76.4 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0823M

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2412.000 MHz; cond = 1.74 S/m; perm = 38.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/16/2026; Ambient Temp: 22.5°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7659; ConvF:(7.91,7.59,7.69); Calibrated: 2025-04-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1272; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna C, 22 MHz Bandwidth,
Open, Exp: Body-worn/Body| Back Side, Ch. 1, 1Mbps**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (40.0 x 40.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

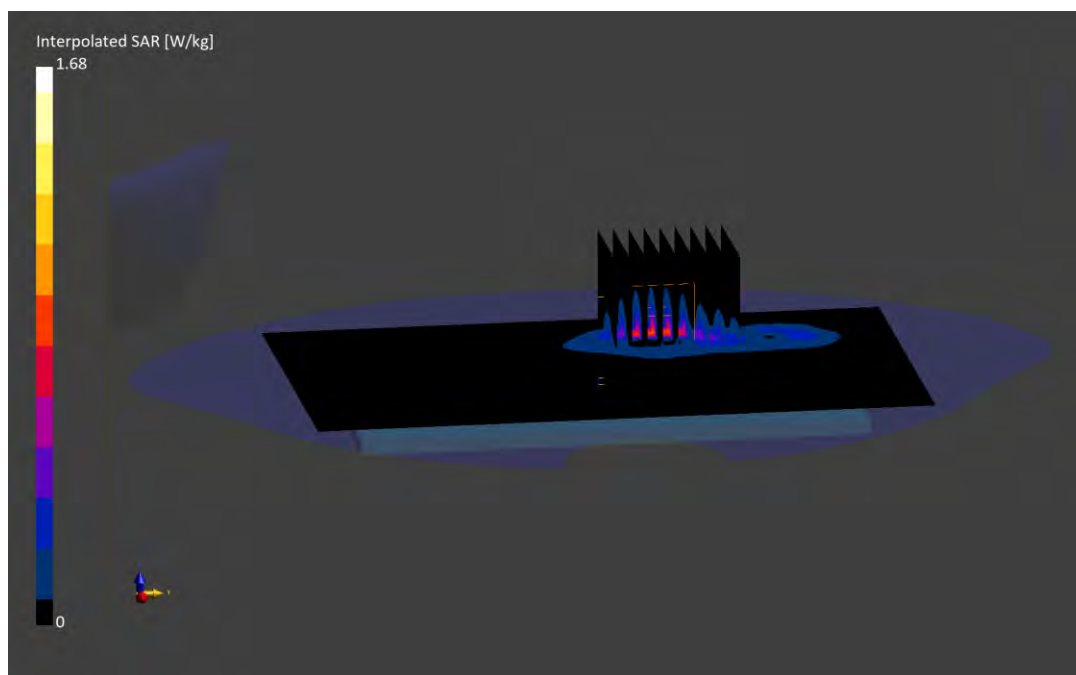
Reference Value = 0.64 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.726 W/kg

Smallest distance from peaks to all points 3 dB below is 6.0 mm

Ratio of SAR at M2 to SAR at M1 = 80.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0823M

Communication System: UID:10544 - AAD, WLAN; MAIA: Y; Frequency: 5775.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 5775.000 MHz; cond = 5.12 S/m; perm = 36.2; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 03/23/2026; Ambient Temp: 20.9°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.27,5.61,5.61); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1558; Calibrated: 2025-06-05

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna F, 80 MHz Bandwidth, U-NII-3,
Exp: Head| Right Tilt, Ch. 155, 29.3 Mbps**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (38.0 x 38.0 x 22.9): Measurement grid: dx=3.8 mm, dy=3.8 mm, dz=1.4 mm; Graded Ratio: 1.4

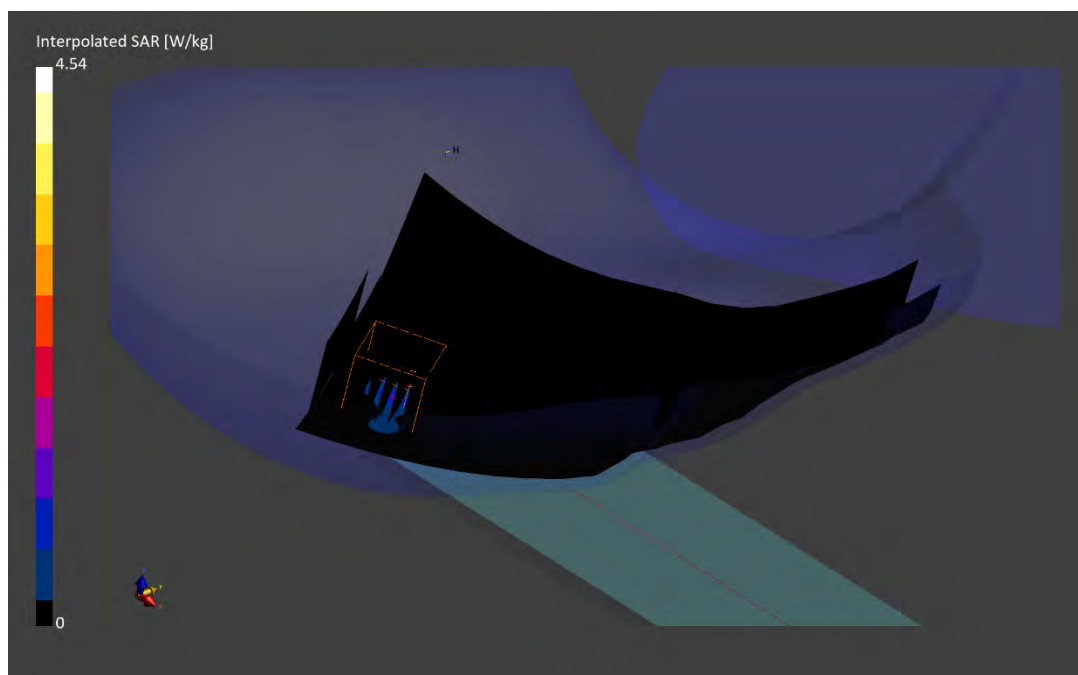
Reference Value = 0.45 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.54 W/kg

SAR(1 g) = 0.848 W/kg

Smallest distance from peaks to all points 3 dB below is 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 56.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0823M

Communication System: UID:10544 - AAD, CW; MAIA: Y; Frequency: 5855.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 5855.000 MHz; cond = 5.16 S/m; perm = 33.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/16/2026; Ambient Temp: 19.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.07,5.39,5.38); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1558; Calibrated: 2025-06-05

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna MIMO, 80 MHz Bandwidth, U-NII-4,
Open, Exp: Body| Left Edge, Ch. 171, 58.5 Mbps**

Area Scan (40.0 x 200.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (24.0 x 24.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

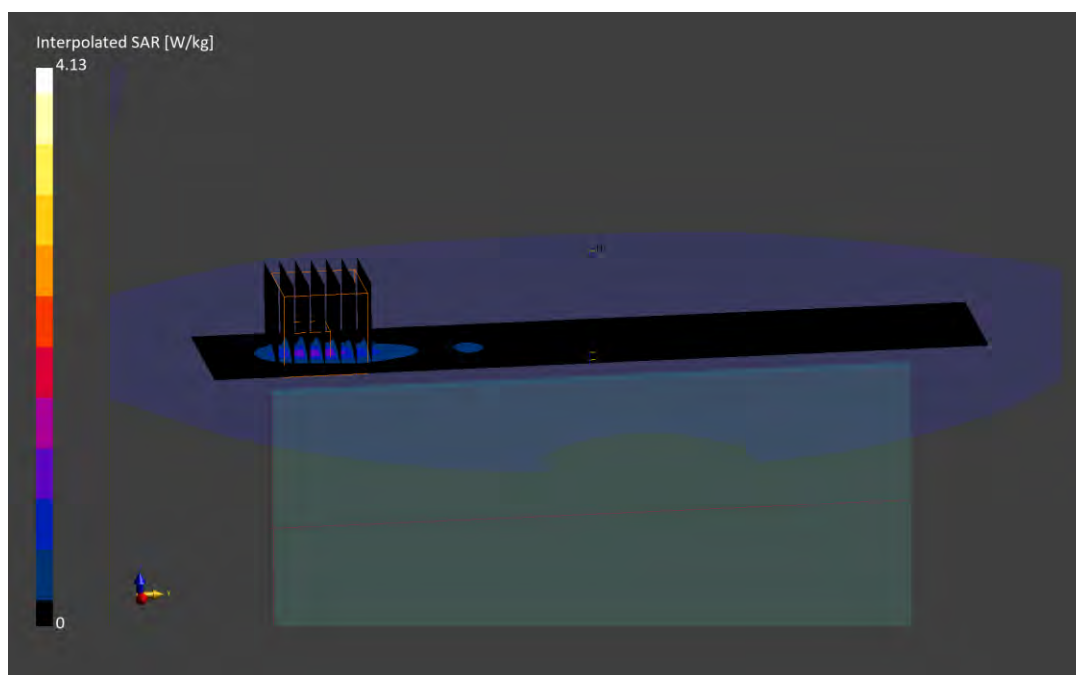
Reference Value = 0.69 W/kg; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.13 W/kg

SAR(1 g) = 0.893 W/kg

Smallest distance from peaks to all points 3 dB below is 5.9 mm

Ratio of SAR at M2 to SAR at M1 = 57.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0869M

Communication System: UID:10599 - AAD, WLAN; MAIA: Y; Frequency: 5230.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 5230.000 MHz; cond = 4.49 S/m; perm = 36.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/20/2026; Ambient Temp: 19.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7661; ConvF:(5.7,6.07,6.06); Calibrated: 2025-06-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1558; Calibrated: 2025-06-05

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11n, Antenna MIMO, 40 MHz Bandwidth, U-NII-1,
Open, Exp: Body-worn/Body| Back Side, Ch. 46, 27 Mbps**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (32.0 x 36.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

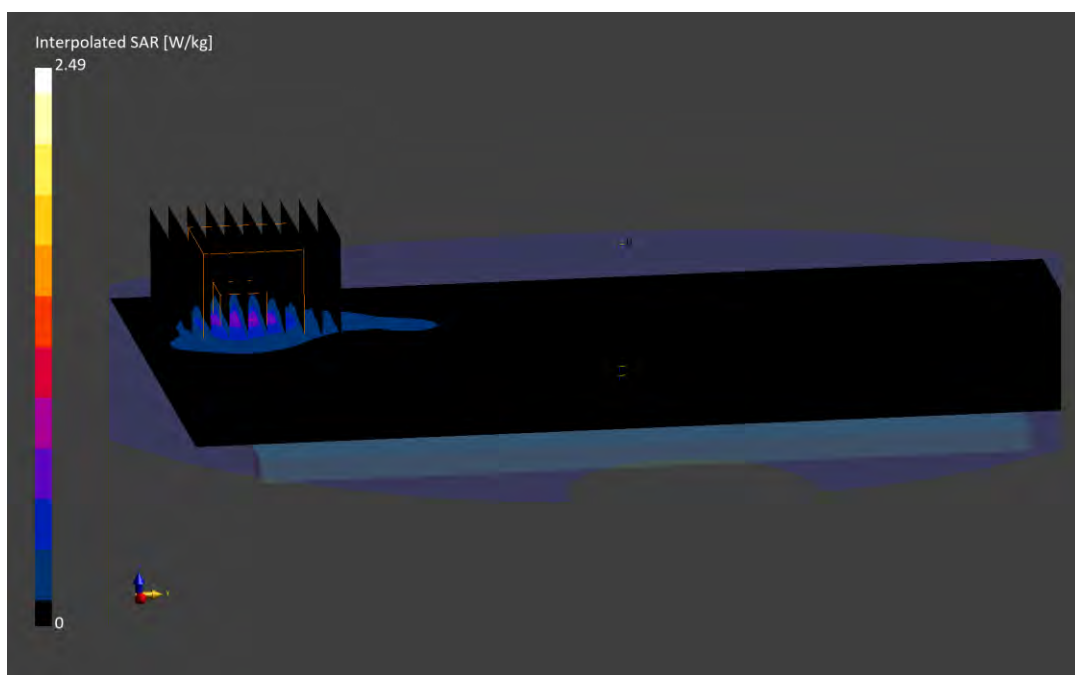
Reference Value = 0.50 W/kg; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.49 W/kg

SAR(1 g) = 0.650 W/kg

Smallest distance from peaks to all points 3 dB below is 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 63.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1045M

Communication System: UID:10731, WiFi (802.11ax); MAIA: Y; Frequency: 6465.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 6465.000 MHz; cond = 5.83 S/m; perm = 34.5; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/14/2026; Ambient Temp: 20.2°C, Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7406; ConvF:(5.58,5.24,5.67); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna F, 80 MHz Bandwidth, U-NII-6,
Exp: Head| Right Cheek, Ch. 103, 34 Mbps**

Area Scan (119.0 x 204.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (30.6 x 30.6 x 22.9): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

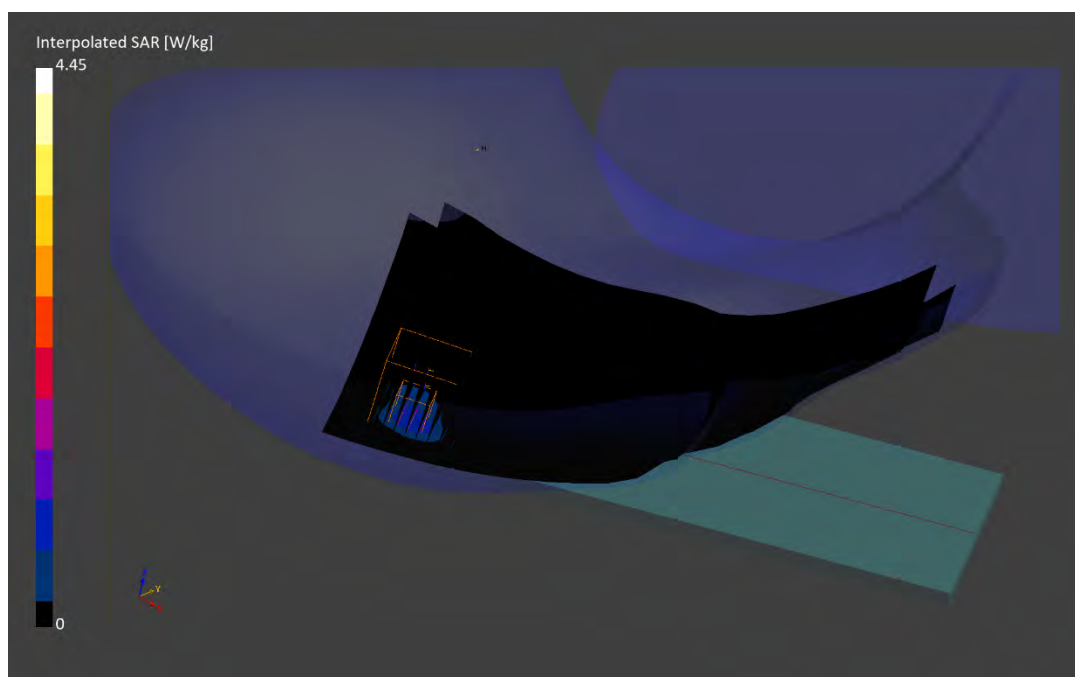
Reference Value = 0.23 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.45 W/kg

SAR(1 g) = 0.904 W/kg; APD(4cm²) = 5.76 W/m²

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 55.0 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1045M

Communication System: UID:10731, WiFi (802.11ax); MAIA: Y; Frequency: 6465.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 6465.000 MHz; cond = 5.89 S/m; perm = 33.6; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/24/2026; Ambient Temp: 20.7°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7406; ConvF:(5.58,5.24,5.67); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna F, 80 MHz Bandwidth, U-NII-6,
Exp: Head| Right Cheek, Ch. 103, 34 Mbps**

Area Scan (119.0 x 204.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (30.6 x 30.6 x 22.9): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

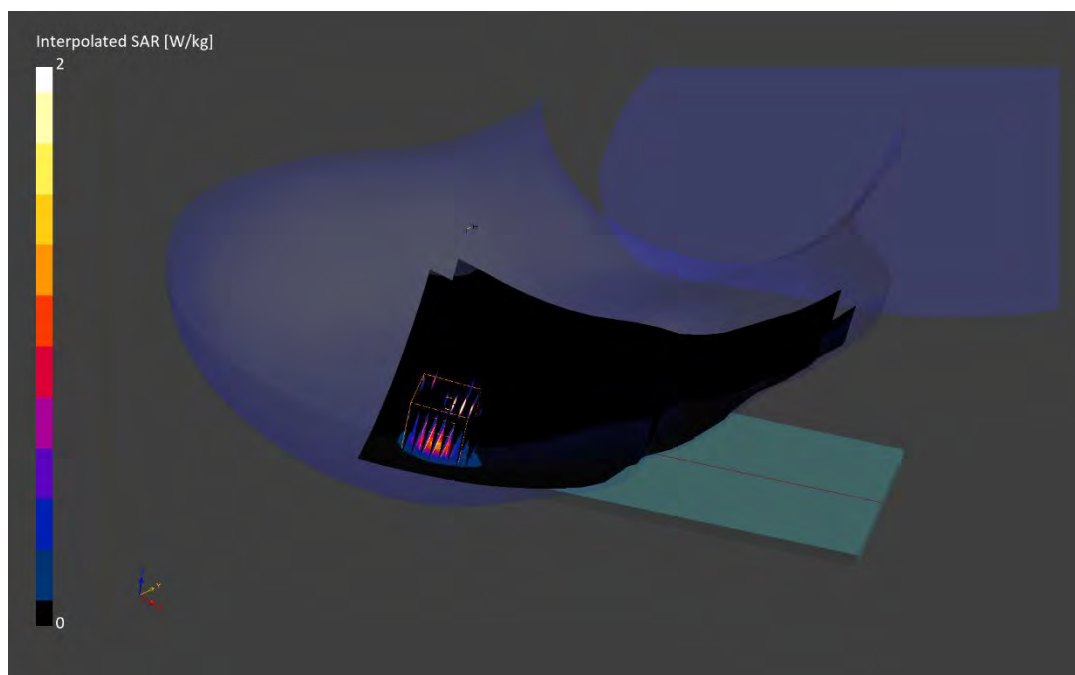
Reference Value = 0.83 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.890 W/kg; APD(4cm²) = 5.82 W/m²

Smallest distance from peaks to all points 3 dB below is 5.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.0 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 1045M

Communication System: UID:10707, WiFi (802.11ax); MAIA: Y; Frequency: 6285.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 6285.000 MHz; cond = 5.57 S/m; perm = 33.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/20/2026 Ambient Temp: 20.9°C, Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7406; ConvF:(5.58,5.24,5.67); Calibrated: 2025-11-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; Calibrated: 2025-11-05

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V17.0.2.6775

**Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna MIMO, 40 MHz Bandwidth, U-NII-5,
Closed, Exp: Body-worn/Body| Front Side, Ch. 67, 32.5 Mbps**

Area Scan (119.0 x 119.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (30.6 x 27.2 x 22.9): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

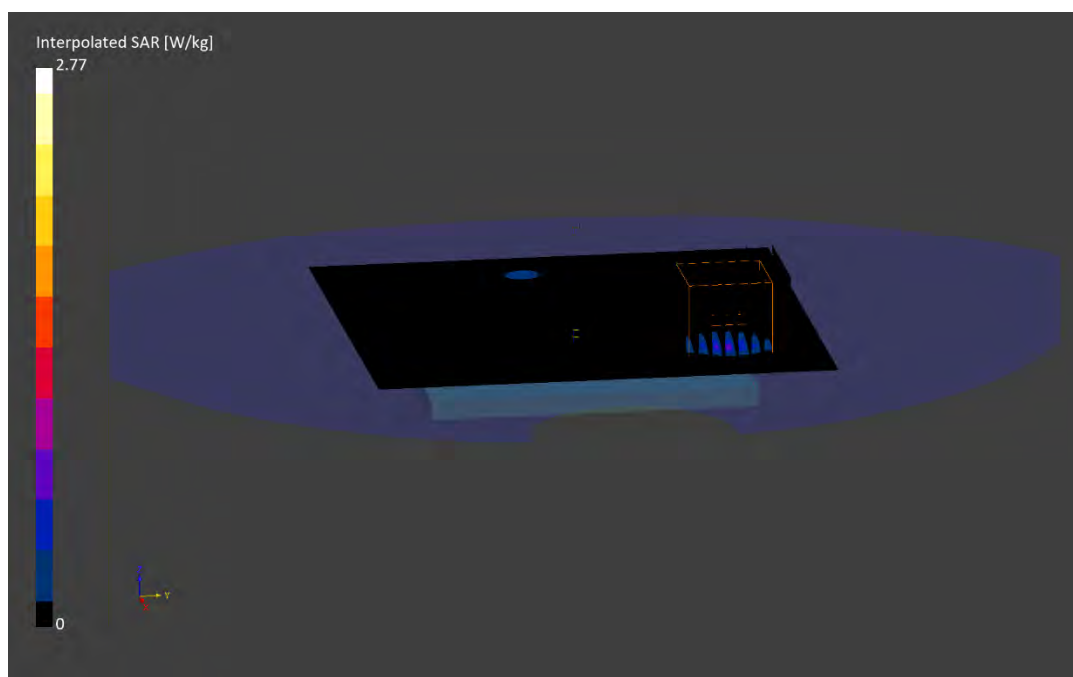
Reference Value = 0.20 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 0.605 W/kg; APD(4cm²) = 4.09 W/m²

Smallest distance from peaks to all points 3 dB below is 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 52.8 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0643M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2441.000 MHz; cond = 1.81 S/m; perm = 39.8; density = 1000 kg/m³

Phantom Section: RightHead; Space: 0.00 mm

Test Date: 04/09/2026; Ambient Temp: 21.1°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz Bluetooth, Antenna G, Exp: Head| Right Cheek, Ch. 39, 1 Mbps

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (40.0 x 40.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

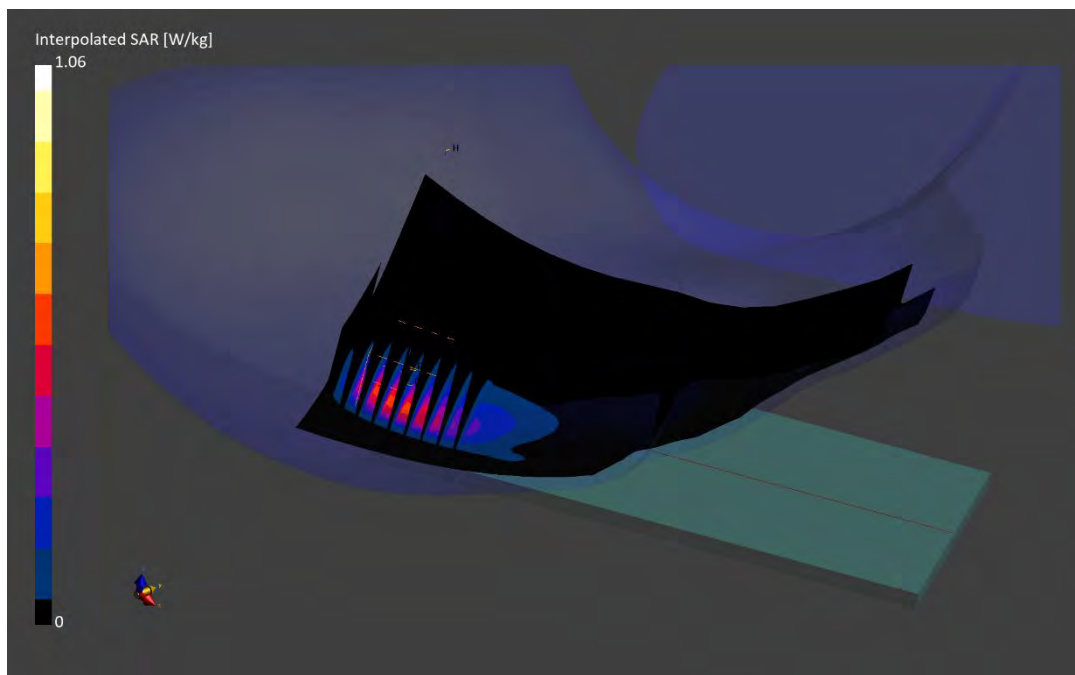
Reference Value = 0.38 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.489 W/kg

Smallest distance from peaks to all points 3 dB below is 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 78.1 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0872M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2402.000 MHz; cond = 1.77 S/m; perm = 39.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 04/20/2026; Ambient Temp: 20.9°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7539; ConvF:(7.12,6.76,7.63); Calibrated: 2026-03-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1450; Calibrated: 2026-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz Bluetooth, Antenna C, Open, Exp: Body-worn/Body|
Back Side, Ch. 0, 1 Mbps**

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

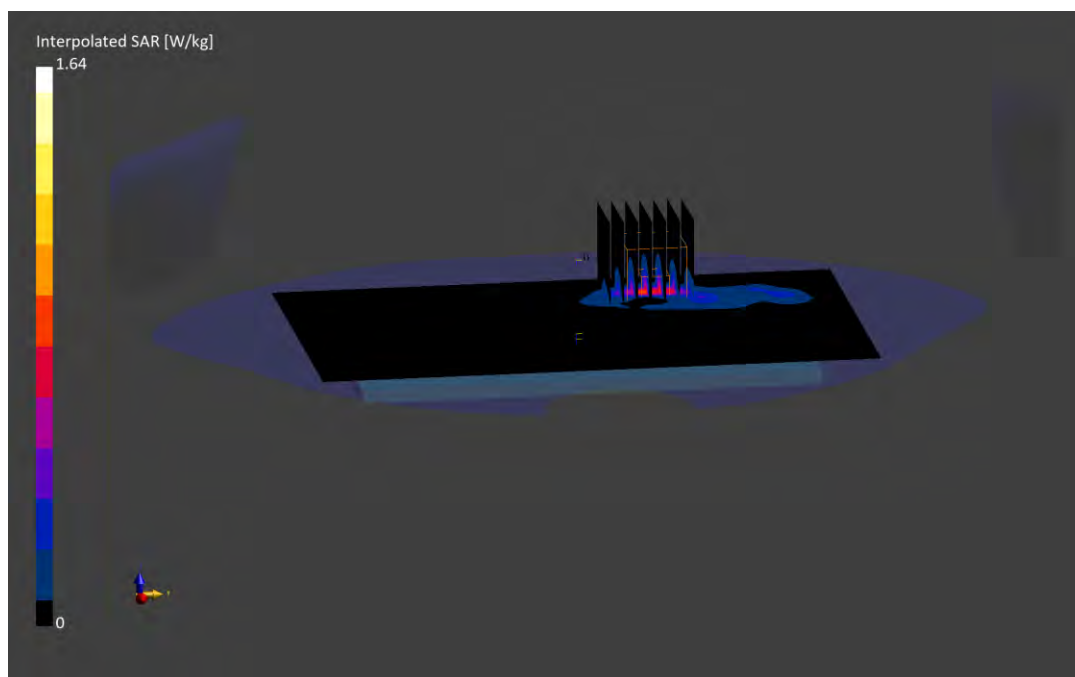
Reference Value = 0.58 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.662 W/kg

Smallest distance from peaks to all points 3 dB below is 6.0 mm

Ratio of SAR at M2 to SAR at M1 = 78.3 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0643M

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2402.000 MHz; cond = 1.82 S/m; perm = 38.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 03/23/2026; Ambient Temp: 20.3°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7659; ConvF:(7.91,7.59,7.69); Calibrated: 2025-04-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1272; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz Bluetooth, Antenna C, Exp: Body| Left Edge, Ch. 0, 1 Mbps

Area Scan (40.0 x 120.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (33.6 x 33.6 x 31.2): Measurement grid: dx=4.2 mm, dy=4.2 mm, dz=1.5 mm; Graded Ratio: 1.5

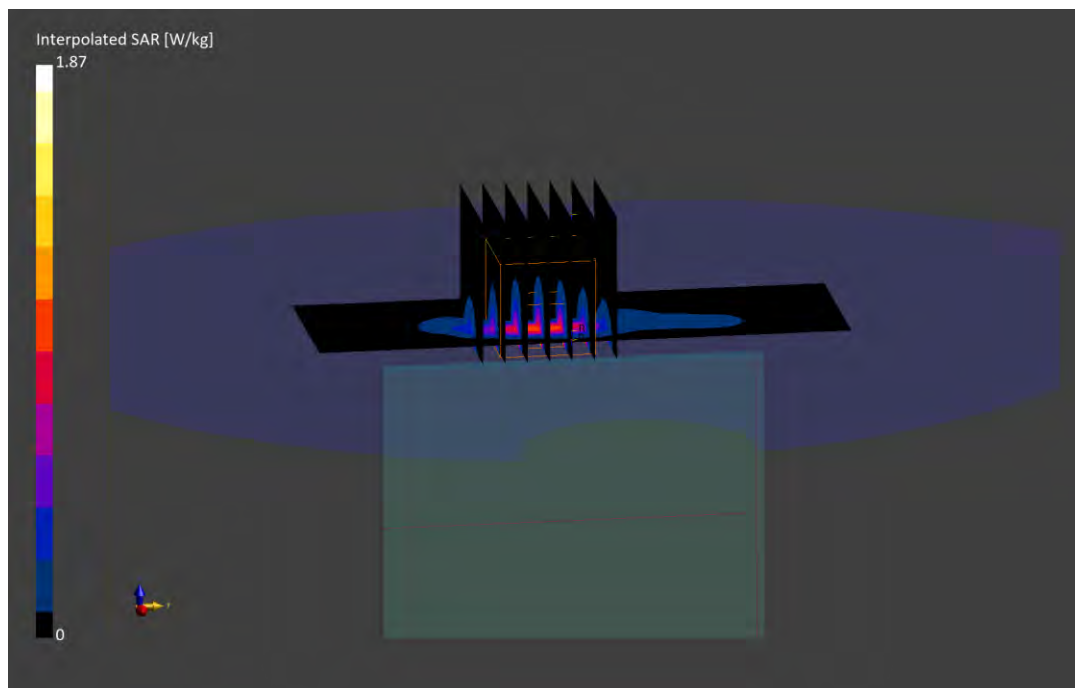
Reference Value = 0.61 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.681 W/kg

Smallest distance from peaks to all points 3 dB below is 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 71.7 %



ELEMENT

DUT: A3LSMF776U; Type: Portable Handset; Serial: 0869M

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 13.600$ MHz; $\text{cond} = 0.786$ S/m; $\text{perm} = 53.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/23/2026; Ambient Temp: 20.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7570; ConvF:(19.27,21.05,18.22); Calibrated: 2026-02-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn859; Calibrated: 2026-02-09

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: NFC, Antenna NFC, Closed, Exp: Body| Back Side

Area Scan (120.0 x 120.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (36.0 x 36.0 x 31.2): Measurement grid: $dx=6.0$ mm, $dy=6.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

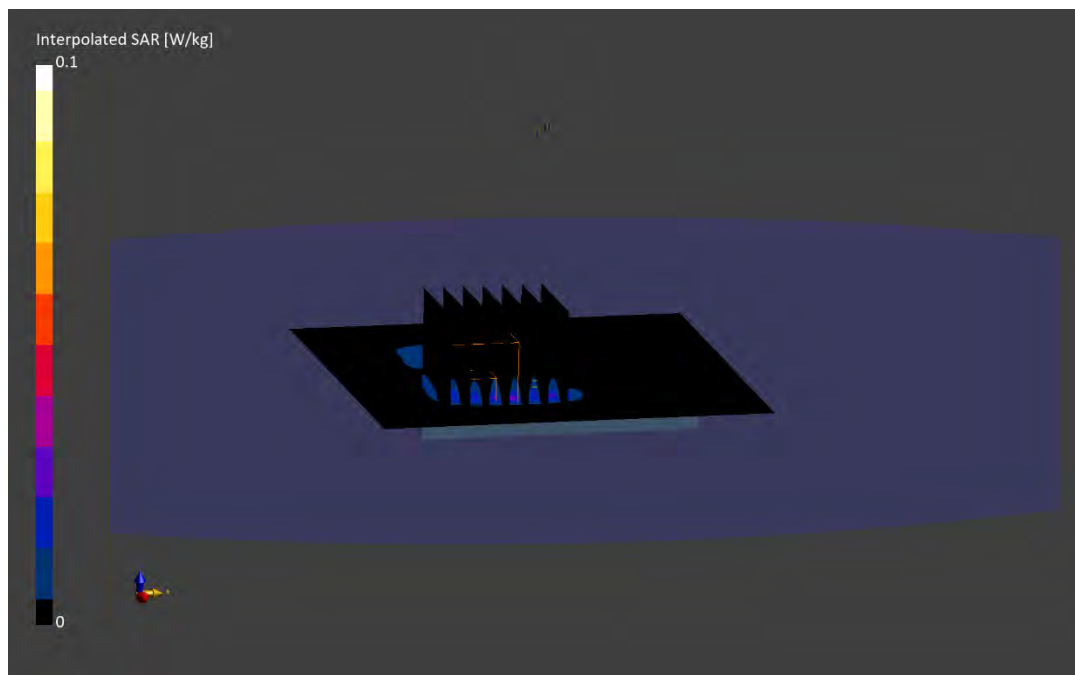
Reference Value = 0.03 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.020 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 56.7 %



Date: 03/26/2026

Mode: 6GHz WIFI/ IEEE 802.11ax, Antenna I, 160 MHz Bandwidth, U-NII-6, Exp: Right Edge, Ch.111, 68.1 Mbps

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF776U	1164M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	RIGHT	2.00	111	10755	6505.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 2025-10-08	DAE4 - SN1449, 2025-10-13

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	3.14
pS _n avg [W/m²]	2.80
E _{peak} [V/m]	61.2
Power Drift [dB]	-0.14

