



**RF SAFETY
LAB**

A NEXT GENERATION
TEST LABORATORY™

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PART 1 RF EXPOSURE REPORT

FCC ID:	A3LSMS942U
Model (s):	SM-S942U, SM-S942U1
Device Type:	Portable Handset
Report Issue Date:	January 15, 2026

Samsung Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Certification

FCC Equipment Class	Head SAR [W/kg]	Body-worn SAR [W/kg]	Hotspot SAR [W/kg]	1g Simultaneous Tx SAR [W/kg]	Phablet SAR [W/kg]	10g Simultaneous Tx SAR [W/kg]	psPD over 4cm ² [W/m ²]
PCE	1.19	1.20	1.19	1.58	-	2.49	-
CBE	1.02	1.17	1.17		-		-
TNE	-	-	-		1.87		-
DTS	1.12	0.70	0.70		-		-
NII	0.85	0.84	0.57		1.69		-
6CD/6VL	0.85	0.37	0.37		1.80		8.01
DSS	0.89	0.68	0.68		1.61		-
DXD	-	-	-		< 0.10		-
FCC Limit	1.6	1.6	1.6	1.6	4.0	4.0	10.0

The measurement evaluations presented in this report are based on the maximum performance of the tested device(s), which has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/ general population exposure federal limits in 47CFR § 1.1310 and has been tested in accordance with the measurement procedures specified within this report.

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This document has been revised and replaces all previously issued versions of this document with the same Test Report S/N.



Steve Liu
President



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1. DUT Specifics

1.1. Device under Test

The device under test is a wireless device, incorporating the technologies listed in Table 1-1 below. The manufacturer has confirmed that the device is within operational tolerances expected for production units and has the same physical, mechanical, and thermal characteristics expected for production units. The serial number of the device used for each test is indicated alongside the results.

1.2. Maximum SAR per Mode

Table 1-1 Maximum SAR Summary

Band/Mode	Frequency (MHz)	Head SAR [W/kg]	Body-worn SAR [W/kg]	Hotspot SAR [W/kg]	Phablet SAR [W/kg]
GSM 850	824 - 849 MHz	1.018	1.002	1.140	-
GSM 1900	1850 - 1910 MHz	0.077	1.200	1.154	-
UMTS Band 5	824 - 849 MHz	0.985	1.040	1.040	-
UMTS Band 4	1710 - 1755 MHz	0.270	0.926	0.926	-
UMTS Band 2	1850 - 1910 MHz	0.201	0.944	0.944	-
LTE Band 71	663 - 698 MHz	0.628	0.741	0.741	-
LTE Band 12	699 - 716 MHz	1.003	0.935	0.935	-
LTE Band 13	777 - 787 MHz	1.077	1.006	1.006	-
LTE Band 14	788 - 798 MHz	1.045	1.030	1.030	-
LTE Band 26	814 - 849 MHz	1.081	0.990	0.990	-
LTE Band 5	824 - 849 MHz	-	-	-	-
LTE Band 66	1710 - 1780 MHz	1.011	0.784	0.784	-
LTE Band 4	1710 - 1755 MHz	-	-	-	-
LTE Band 25	1850 - 1915 MHz	1.077	0.943	0.943	-
LTE Band 2	1850 - 1910 MHz	-	-	-	-
LTE Band 30	2305 - 2315 MHz	1.099	1.012	1.012	-
LTE Band 7	2500 - 2570 MHz	0.946	1.128	1.128	-
LTE Band 41	2496 - 2690 MHz	0.854	0.958	0.958	-
LTE Band 38	2570 - 2620 MHz	-	-	-	-
LTE Band 48	3550 - 3700 MHz	1.023	1.151	1.151	-
NR Band n71	663 - 698 MHz	0.676	0.668	0.668	-
NR Band n12	699 - 716 MHz	0.856	1.113	1.113	-
NR Band n14	788 - 798 MHz	0.880	1.055	1.055	-
NR Band n26	814 - 849 MHz	0.861	1.004	1.004	-
NR Band n5	824 - 849 MHz	-	-	-	-
NR Band n70	1695 - 1710 MHz	1.194	1.163	1.163	-
NR Band n66	1710 - 1780 MHz	0.794	1.033	1.033	-
NR Band n25	1850 - 1915 MHz	0.825	1.185	1.185	-
NR Band n2	1850 - 1910 MHz	-	-	-	-
NR Band n30	2305 - 2315 MHz	1.053	0.750	0.750	-
NR Band n7	2500 - 2570 MHz	0.952	0.926	0.926	-
NR Band n41	2496 - 2690 MHz	0.863	1.035	1.035	-
NR Band n38	2570 - 2620 MHz	-	-	-	-
NR Band n48	3550 - 3700 MHz	1.023	1.167	1.167	-
NR Band n77	3450 - 3550 MHz	0.987	0.763	0.763	-
NR Band n78	3700 - 3980 MHz	-	-	-	-
NTN L-Band Band 255	1626.5 - 1660.4 MHz	-	-	-	1.868
2.4 GHz WIFI	2412 - 2462 MHz	1.121	0.704	0.704	-
5 GHz WIFI	5180 - 5885 MHz	0.851	0.837	0.570	1.687
6 GHz WIFI	5935 - 7115 MHz	0.853	0.374	0.374	1.802
2.4 GHz Bluetooth LE	2402 - 2480 MHz	0.892	0.680	0.680	1.609
NFC	13.56 MHz	-	-	-	0.011



1.3. LTE and NR Supported Bandwidths and Modulations

Table 1-2 LTE and NR Bands and Modulations

Band	Bandwidth (MHz)	UL Modulation	SCS (kHz)
LTE Band 71	20, 15, 10, 5	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 12	10, 5, 3, 1.4	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 13	10, 5	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 14	10, 5	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 26	15, 10, 5, 3, 1.4	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 5	10, 5, 3, 1.4	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 66	20, 15, 10, 5, 3, 1.4	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 4	20, 15, 10, 5, 3, 1.4	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 25	20, 15, 10, 5, 3, 1.4	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 2	20, 15, 10, 5, 3, 1.4	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 30	10, 5	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 7	20, 15, 10, 5	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 41	20, 15, 10, 5	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 38	20, 15, 10, 5	QPSK, 16QAM, 64QAM, 256QAM	N/A
LTE Band 48	20, 15, 10, 5	QPSK, 16QAM, 64QAM, 256QAM	N/A
NR Band n71	35, 30, 25, 20, 15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n12	15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n14	10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n26	20, 15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n5	20, 15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n70	15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n66	45, 40, 35, 30, 25, 20, 15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n25	40, 35, 30, 25, 20, 15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n2	40, 35, 30, 25, 20, 15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n30	10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n7	50, 40, 35, 30, 25, 20, 15, 10, 5	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	15
NR Band n41	100, 90, 80, 70, 60, 50, 45, 40, 35, 30, 25, 20, 15, 10	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	30
NR Band n38	40, 30, 25, 20, 15, 10	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	30
NR Band n48	40, 30, 20, 15, 10	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	30
NR Band n77	100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	30
NR Band n78	100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10	DFT-s-OFDM: $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM	30

1.4. Time-Averaging Algorithm for RF Exposure Compliance

This device is enabled with the Qualcomm® Smart Transmit Gen2 feature. This feature implements a 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.

Note that NFC operations are not enabled with Smart Transmit for this device.

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., Plimit for sub-6 radio), for each characterized technology and band. Characterization is achieved by determining Plimit for WWAN sub-6/WLAN/BT/NTN that corresponds to the exposure design targets after accounting for all device design related uncertainties. The SAR characterization is denoted as SAR Char in this report.

Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit EFS settings and maximum tune up output power Pmax configured for this EUT for various transmit conditions (Device State Index DSI).

Note that the device uncertainty for sub-6GHz WWAN is 1.0 dB for this EUT.

*Note all Plimit EFS and maximum tune up output power Pmax levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of modulation schemes (e.g. LTE TDD, GPRS and WLAN/BT).

The maximum time-averaged output power (dBm) for any Sub6 WWAN/WLAN/BT/NTN technology, band, and DSI = minimum of the "Plimit EFS" and "Maximum tune up output power Pmax", +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.



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Table 1-3 SAR Char

Exposure Scenario			Maximum Tune-Up Output Power*	Body- worn/ Hotspot/ Phablet	Head
DSI				DSI0	DSI1
Band/Mode	Antenna	Antenna Group	Pmax (dBm)	Plimit (dBm)	Plimit (dBm)
GSM 850	A	AG0	25.3	24.3	26.3
GSM 850	E	AG1	25.3	20.8	20.8
GSM 1900	A	AG0	22.1	18.8	27.2
UMTS Band 5	A	AG0	24.0	24.9	25.5
UMTS Band 5	E	AG1	24.0	21.5	20.0
UMTS Band 4	A	AG0	23.0	16.0	24.5
UMTS Band 2	A	AG0	23.0	17.0	25.7
LTE Band 71	A	AG0	24.0	23.0	27.0
LTE Band 71	E	AG1	24.0	21.0	19.0
LTE Band 12	A	AG0	24.0	27.0	27.0
LTE Band 12	E	AG1	24.0	21.0	19.0
LTE Band 13	A	AG0	24.0	24.8	25.6
LTE Band 13	E	AG1	24.0	22.0	21.0
LTE Band 14	A	AG0	24.0	23.0	26.6
LTE Band 14	E	AG1	24.0	22.0	21.0
LTE Band 26	A	AG0	24.0	24.9	25.5
LTE Band 26	E	AG1	24.0	21.5	20.0
LTE Band 5	A	AG0	24.0	24.9	25.5
LTE Band 5	E	AG1	24.0	21.5	20.0
LTE Band 66	A	AG0	23.5	16.0	24.7
LTE Band 66	F	AG1	23.5	17.5	16.5
LTE Band 4	A	AG0	23.5	16.0	24.7
LTE Band 4	F	AG1	23.5	17.5	16.5
LTE Band 25	A	AG0	23.5	17.0	25.7
LTE Band 25	F	AG1	23.5	18.5	17.0
LTE Band 2	A	AG0	23.5	17.0	25.7
LTE Band 2	F	AG1	23.5	18.5	17.0
LTE Band 30	A	AG0	22.0	20.0	29.2
LTE Band 30	F	AG1	22.0	19.0	17.5
LTE Band 7	B	AG0	23.0	18.0	29.9
LTE Band 7	F	AG1	23.0	17.0	15.5
LTE Band 41	B	AG0	22.0	18.0	30.8
LTE Band 41	F	AG1	22.0	18.5	16.0
LTE Band 38	B	AG0	22.0	18.0	30.8
LTE Band 38	F	AG1	22.0	18.5	16.0
LTE Band 48	F	AG1	20.0	18.0	15.0
NR Band n71	A	AG0	24.0	23.0	28.4
NR Band n71	E	AG1	24.0	21.0	19.0
NR Band n12	A	AG0	24.0	26.1	27.9
NR Band n12	E	AG1	24.0	22.0	19.0
NR Band n14	A	AG0	24.0	24.8	27.2
NR Band n14	E	AG1	24.0	21.0	20.5
NR Band n26	A	AG0	24.0	25.0	27.0
NR Band n26	E	AG1	24.0	20.0	20.0
NR Band n5	A	AG0	24.0	25.0	27.0
NR Band n5	E	AG1	24.0	20.0	20.0
NR Band n70	A	AG0	23.5	17.0	25.5
NR Band n70	F	AG1	23.5	20.0	17.0
NR Band n66	A	AG0	23.5	17.0	25.0
NR Band n66	F	AG1	23.5	17.5	16.5
NR Band n25	A	AG0	23.5	19.0	25.7
NR Band n25	F	AG1	23.5	18.5	16.0
NR Band n2	A	AG0	23.5	19.0	25.7
NR Band n2	F	AG1	23.5	18.5	16.0
NR Band n30	A	AG0	22.0	20.0	31.0
NR Band n30	F	AG1	22.0	19.0	17.5
NR Band n7	B	AG0	23.0	18.0	29.9
NR Band n7	F	AG1	23.0	18.5	15.5
NR Band n41 PC2 Default	B	AG0	22.0	17.5	32.5
NR Band n41 PC2 Switching	B	AG0	26.0	17.5	19.5
NR Band n41 PC2 Default	D	AG0	18.0	15.0	13.0
NR Band n41 PC2 Switching	D	AG0	23.0	13.0	11.0
NR Band n41 PC2 Default	E	AG1	23.0	15.0	13.0
NR Band n41 PC2 Switching	E	AG1	20.0	14.0	12.0
NR Band n41 PC2 Default	F	AG1	26.0	18.5	15.0
NR Band n41 PC2 Switching	F	AG1	22.0	16.0	12.5
NR Band n38	B	AG0	24.0	17.0	19.0
NR Band n38	F	AG1	24.0	18.0	15.0
NR Band n48	C	Shared	19.0	15.0	12.0
NR Band n48	D	AG0	17.5	12.5	10.0
NR Band n48	F	AG1	22.0	17.0	14.5
NR Band n48	H	Shared	21.0	18.0	14.0
NR Band n77 PC2	C	Shared	23.0	13.5	12.0
NR Band n77 PC2	D	AG0	21.0	12.0	10.5
NR Band n77 PC2	F	AG1	26.0	16.5	14.5
NR Band n77 PC2	H	Shared	25.0	15.0	13.5
NR Band n78	C	Shared	23.0	13.5	12.0
NR Band n78	D	AG0	21.0	12.0	10.5
NR Band n78	F	AG1	26.0	16.5	14.5
NR Band n78	H	Shared	25.0	15.0	13.5
NTN L-Band Band 255	F	AG1	21.0	18.5	N/A
2.4 GHz WiFi	G	AG1	19.0	17.0	14.0
2.4 GHz WiFi	I	AG1	19.0	17.0	14.0
2.4 GHz WiFi	MIMO (G&I)	AG1	19.0	17.0	14.0
5 GHz WiFi	E	AG1	17.0	14.0	12.0
5 GHz WiFi	G	AG1	17.0	14.0	12.0
5 GHz WiFi	MIMO (G&E)	AG1	17.0	14.0	12.0
6 GHz WiFi	E	AG1	16.0	8.5	13.0
6 GHz WiFi	G	AG1	16.0	8.5	13.0
6 GHz WiFi	MIMO (G&E)	AG1	16.0	8.5	13.0
2.4 GHz Bluetooth LE	G	AG1	14.4	17.1	12.4
2.4 GHz Bluetooth LE	I	AG1	14.4	17.3	12.4
2.4 GHz Bluetooth LE	MIMO (G&I)	AG1	10.4	17.3	9.4



1.5. Maximum Time-Averaged Power From Manufacturer

The manufacturer has confirmed that this device follows the below target output power specifications and tolerances. SAR values were scaled to the maximum allowed power (including tolerance) to determine compliance per KDB Publication 447498 D04v01.

Tolerance +1/-1.5dB is applicable to all WWAN bands/modes

Tolerance +1dB is applicable to all WLAN/BT

Table 1-4 GSM Target RF Output Power

GSM 850	Voice in dBm	GPRS/EDGE Data (GMSK) in dBm				EDGE Data (8-PSK) in dBm			
Antenna: A	GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)
Pmax/DSI 1 (Head)	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI 0 (Body-worn/Hotspot/Phablet)	32.5	32.5	30.5	28.7	27.5	27.0	25.0	23.0	22.0

GSM 850	Voice in dBm	GPRS/EDGE Data (GMSK) in dBm				EDGE Data (8-PSK) in dBm			
Antenna: E	GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)
Pmax	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI 0/ DSI 1 (Head/Body-worn/Hotspot/Phablet)	30.0	30.0	27.0	25.2	24.0	27.0	25.0	23.0	22.0

GSM 1900	Voice in dBm	GPRS/EDGE Data (GMSK) in dBm				EDGE Data (8-PSK) in dBm			
Antenna: A	GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)
Pmax/DSI 1 (Head)	29.5	29.5	28.0	26.5	24.5	26.0	24.0	22.0	21.0
DSI 0 (Body-worn/Hotspot/Phablet)	28.0	28.0	25.0	23.2	22.0	26.0	24.0	22.0	21.0

Table 1-5 UMTS Target RF Output Power

UMTS Band 5				
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/DSI 0/ DSI 1 (Head/Body-worn/Hotspot/Phablet)	24.0	23.0	23.0	23.0



UMTS Band 5				
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	24.0	23.0	23.0	23.0
DSI 0 (Body-worn/Hotspot/Phablet)	21.5	20.5	20.5	20.5
DSI 1 (Head)	20.0	19.0	19.0	19.0

UMTS Band 4				
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/DSI 1 (Head)	23.0	22.0	22.0	22.0
DSI 0 (Body-worn/Hotspot/Phablet)	16.0	15.0	15.0	15.0

UMTS Band 2				
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/ DSI 1 (Head)	23.0	22.0	22.0	22.0
DSI 0 (Body-worn/Hotspot/Phablet)	17.0	16.0	16.0	16.0



Table 1-6 LTE Target RF Output Power

LTE Modulated Average Nominal Power [dBm]				
DSI			DSI0	DSI1
Band/Mode	Antenna	Pmax	Body-worn/ Hotspot/ Phablet	Head
LTE Band 71	A	24.0	23.0	24.0
LTE Band 71	E	24.0	21.0	19.0
LTE Band 12	A	24.0	24.0	24.0
LTE Band 12	E	24.0	21.0	19.0
LTE Band 13	A	24.0	24.0	24.0
LTE Band 13	E	24.0	22.0	21.0
LTE Band 14	A	24.0	23.0	24.0
LTE Band 14	E	24.0	22.0	21.0
LTE Band 26	A	24.0	24.0	24.0
LTE Band 26	E	24.0	21.5	20.0
LTE Band 5	A	24.0	24.0	24.0
LTE Band 5	E	24.0	21.5	20.0
LTE Band 66	A	23.5	16.0	23.5
LTE Band 66	F	23.5	17.5	16.5
LTE Band 4	A	23.5	16.0	23.5
LTE Band 4	F	23.5	17.5	16.5
LTE Band 25	A	23.5	17.0	23.5
LTE Band 25	F	23.5	18.5	17.0
LTE Band 2	A	23.5	17.0	23.5
LTE Band 2	F	23.5	18.5	17.0
LTE Band 30	A	22.0	20.0	22.0
LTE Band 30	F	22.0	19.0	17.5
LTE Band 7	B	23.0	18.0	23.0
LTE Band 7	F	23.0	17.0	15.5
LTE Band 41	B	24.0	20.0	24.0
LTE Band 41	F	24.0	20.5	18.0
LTE Band 38	B	24.0	20.0	24.0
LTE Band 38	F	24.0	20.5	18.0
LTE Band 48	F	22.0	20.0	17.0
NTN L-Band Band 255	F	22.5	20.0	N/A

**Table 1-7 NR Target RF Output Power**

NR Modulated Average Nominal Power [dBm]				
DSI			DSI0	DSI1
Band/Mode	Antenna	Pmax	Body-worn/ Hotspot/ Phablet	Head
NR Band n71	A	24.0	23.0	24.0
NR Band n71	E	24.0	21.0	19.0
NR Band n12	A	24.0	24.0	24.0
NR Band n12	E	24.0	22.0	19.0
NR Band n14	A	24.0	24.0	24.0
NR Band n14	E	24.0	21.0	20.5
NR Band n26	A	24.0	24.0	24.0
NR Band n26	E	24.0	20.0	20.0
NR Band n5	A	24.0	24.0	24.0
NR Band n5	E	24.0	20.0	20.0
NR Band n70	A	23.5	17.0	23.5
NR Band n70	F	23.5	20.0	17.0
NR Band n66	A	23.5	17.0	23.5
NR Band n66	F	23.5	17.5	16.5
NR Band n25	A	23.5	19.0	23.5
NR Band n25	F	23.5	18.5	16.0
NR Band n2	A	23.5	19.0	23.5
NR Band n2	F	23.5	18.5	16.0
NR Band n30	A	22.0	20.0	22.0
NR Band n30	F	22.0	19.0	17.5
NR Band n7	B	23.0	18.0	23.0
NR Band n7	F	23.0	18.5	15.5
NR Band n41 PC2 Default	B	22.0	17.5	22.0
NR Band n41 PC2 Switching	B	26.0	17.5	19.5
NR Band n41 PC2 Default	D	18.0	15.0	13.0
NR Band n41 PC2 Switching	D	23.0	13.0	11.0
NR Band n41 PC2 Default	E	23.0	15.0	13.0
NR Band n41 PC2 Switching	E	20.0	14.0	12.0
NR Band n41 PC2 Default	F	26.0	18.5	15.0
NR Band n41 PC2 Switching	F	22.0	16.0	12.5
NR Band n38	B	24.0	17.0	19.0
NR Band n38	F	24.0	18.0	15.0
NR Band n48	C	19.0	15.0	12.0
NR Band n48	D	17.5	12.5	10.0
NR Band n48	F	22.0	17.0	14.5
NR Band n48	H	21.0	18.0	14.0
NR Band n77 PC2	C	23.0	13.5	12.0
NR Band n77 PC2	D	21.0	12.0	10.5
NR Band n77 PC2	F	26.0	16.5	14.5
NR Band n77 PC2	H	25.0	15.0	13.5
NR Band n78	C	23.0	13.5	12.0
NR Band n78	D	21.0	12.0	10.5
NR Band n78	F	26.0	16.5	14.5
NR Band n78	H	25.0	15.0	13.5



Table 1-8 2.4 GHz WLAN Target RF Output Power

2.4 GHz WIFI Maximum Power [dBm] - SISO, or SISO in MIMO														
Power Level	Mode		802.11b (CDD + STBC)		802.11g (CDD + STBC)		802.11n (CDD +STBC,SDM)		802.11ac (CDD +STBC,SDM)		802.11axSU (CDD +STBC,SDM)		802.11be SU (CDD +STBC,SDM)	
	Channel	Freq. [MHz]	Ant G	Ant I	Ant G	Ant I	Ant G	Ant I	Ant G	Ant I	Ant G	Ant I	Ant G	Ant I
Pmax	All		19	19	17	17	17	17	17	17	15	15	15	15
DSI 0 (Body-worn/Hotspot/Phablet)	All		17											
DSI 1 (Head)	All		14											

No MIMO supported for 802.11b mode.

Table 1-9 5 GHz WLAN Target RF Output Power

5 GHz WIFI Maximum Power [dBm] - SISO, SISO in MIMO mode														
Power Level	Channel Bandwidth [MHz]	Band	Mode		802.11a (CDD + STBC)		802.11n (CDD + STBC)		802.11ac (CDD + STBC,SDM)		802.11ax SU (CDD + STBC,SDM)		802.11be SU (CDD + STBC,SDM)	
			Channel	Freq. [MHz]	Ant G	Ant E	Ant G	Ant E	Ant G	Ant E	Ant G	Ant E	Ant G	Ant E
Pmax	20	All	All		17	17	17	17	17	17	16	16	16	16
	40	All	All		15		15	15	15	15	15	15	15	15
	80	All	All						14	14	14	14	14	14
	160	All	All						13	13	13	13	13	13
DSI0 (Body-worn/Hotspot/Phablet)	All	All	All		14									
DSI1 (Head)	All	All	All		12									



Table 1-10 6 GHz WLAN Target RF Output Power

6.5 GHz WIFI Maximum Power [dBm] - SISO, SISO in MIMO mode												
Power Level	Channel Bandwidth [MHz]	Band	Mode	802.11a (CDD + STBC)			802.11ax SU (CDD + STBC,SDM)			802.11be SU (CDD + STBC,SDM)		
				Ant G, Ant E			Ant G, Ant E			Ant G, Ant E		
			Channel	LPI	SP	VLP	LPI	SP	VLP	LPI	SP	VLP
Pmax	20	UNII-5	All	8	16	3	8	16	5	8	16	5
			2	8	11	3	8	10	5	8	10	5
		UNII-6	All	8	N/A	5	8	N/A	5	8	N/A	5
		UNII-7	All	8	16	5	8	16	5	8	16	5
		UNII-8	All	8	N/A	5	8	N/A	5	8	N/A	5
			233	5	N/A	5	6	N/A	5	6	N/A	5
	40	All	All				10	16	5	10	16	5
		UNII-5	11									
		UNII-5	59									
		UNII-6	107					N/A			N/A	
		UNII-7	155									
		UNII-8	211					N/A			N/A	
	80	All	All				10	16	5	10	16	5
		UNII-5	7									
		UNII-5	55									
		UNII-6	103					N/A			N/A	
		UNII-7	151									
		UNII-8	215					N/A			N/A	
	160	All	All				10	16	5	10	16	5
		UNII-5	15									
		UNII-5	79									
		UNII-6/7	111					N/A			N/A	
		UNII-7	143									
		UNII-8	207					N/A			N/A	
	320	All	All							10	16	5
		UNII-5										
		UNII-6/7									N/A	
		UNII-7/8									N/A	
DSI 0 (Body-worn/Hotspot/Phablet)	All	All	All	8.5								
DSI 1 (Head)	All	All	All	13								

Note: For 2.4/5/6 GHz WLAN, IEEE 802.11ax/be RU and MRU measurements are addressed in the associated EMC test report. Per April 2019 TCB Workshop Notes, SAR testing was not required for 802.11ax/be when applying the initial test configuration procedures of KDB 248227, with 802.11ax/be considered a higher order 802.11 mode.



Table 1-11 2.4 GHz Bluetooth Target RF Output Power

2.4 GHz Bluetooth Maximum Power [dBm]							
Power Level	Mode	Data Rate	Ant G Ant I	Ant G Ant I	Ant G	Ant I	MIMO
			PL11 (ePA)	PL10 (iPA)	PL9 (iPA)	PL9 (iPA)	PL10+10 (iPA)
Pmax/ DSI 0 (Body-worn/Hotspot/Phablet)	Bluetooth BR	1Mbps	15	12	N/A	N/A	15
	Bluetooth EDR	2Mbps	12.5	9	N/A	N/A	12
	Bluetooth EDR	3Mbps	12.5	9	N/A	N/A	12
	BLE	1Mbps	15	12	9	9	14
	BLE	2Mbps	15	12	9	9	14
	BLE LR s8	125kbps	N/A	N/A	9	N/A	N/A
	BLE LR s2	500kbps	N/A	N/A	9	N/A	N/A
DSI 1 (Head)	Bluetooth BR	1Mbps	13.4	12	N/A	N/A	13.4
	Bluetooth EDR	2Mbps	13.4	9	N/A	N/A	13.4
	Bluetooth EDR	3Mbps	13.4	9	N/A	N/A	13.4
	BLE	1Mbps	13	12	9	9	13
	BLE	2Mbps	13.5	12	9	9	13.5
	BLE LR s8	125kbps	N/A	N/A	9	N/A	N/A
	BLE LR s2	500kbps	N/A	N/A	9	N/A	N/A

1.6. Surfaces Required for Testing

Surfaces Required for Testing

Antennas	Back	Front	Top	Bottom	Right	Left
A	Yes	Yes	No	Yes	Yes	Yes
E	Yes	Yes	Yes	No	Yes	No
F	Yes	Yes	Yes	No	No	Yes
B	Yes	Yes	No	Yes	No	Yes
D	Yes	Yes	No	Yes	Yes	No
C	Yes	Yes	No	Yes	No	Yes
H	Yes	Yes	No	No	No	Yes
G	Yes	Yes	Yes	No	No	Yes
I	Yes	Yes	Yes	No	Yes	No
MIMO (G&I)	Yes	Yes	Yes	No	Yes	Yes
MIMO (G&E)	Yes	Yes	Yes	No	Yes	Yes
NFC	Yes	Yes	Yes	No	No	Yes

Note: Particular DUT edges were not required to be evaluated if the edges were greater than 2.5 cm from the transmitting antenna according to FCC KDB Publication 941225 D06v02r01 Section III. The distances between the transmit antennas and the edges of the device are included in the filing.



1.7. Test 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 D04v01r03 (Phablet Procedures)
- October 2013 TCB Workshop Notes (GPRS Testing Considerations)
- April 2019 TCB Workshop Notes (IEEE 802.11ax, Dynamic Antenna Tuning)
- October 2024 TCB Workshop Notes (LTE Downlink Carrier Aggregation)
- IEC/IEEE 63195-1:2022
- IEC 62479:2010
- SPEAG DASY8 Application Note (Interim Procedures for Devices Operating between 6-10 GHz) (April 2023)
- October 2020 TCB Workshop Notes (6-8 GHz Testing)



2. DUT Conducted Powers

2.1. Power Measurement Setup

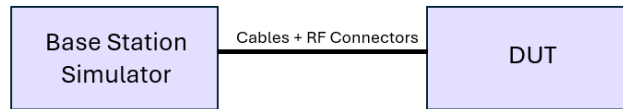


Figure 2-1 Online Power Measurement Setup

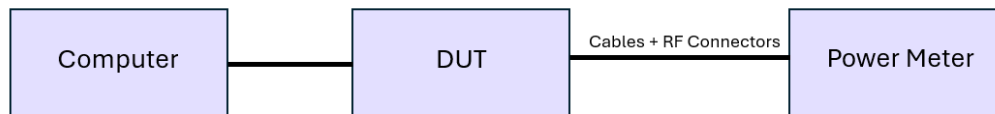


Figure 2-2 FTM Power Measurement Setup

2.2. GSM Conducted Powers

Table 2-1

GSM 850		Voice	GPRS/EDGE Data (GMSK)					EDGE Data (8-PSK)			
Antenna: A		GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)	
Power Level	Channel Number	Burst-Averaged Conducted Power [dBm]									
Pmax (Head)	128	31.72	31.68	30.32	28.66	27.05	26.71	25.05	23.13	22.17	
	190	31.90	31.80	30.53	28.90	27.00	27.03	25.41	23.43	22.34	
	251	32.12	32.08	30.50	29.02	27.47	26.66	25.12	23.10	22.30	
DSI 0 (Body-worn/Hotspot/Phablet)	128	31.72	31.68	29.58	27.71	27.05	26.71	25.05	23.13	22.17	
	190	31.90	31.80	29.61	27.73	27.00	27.03	25.41	23.43	22.34	
	251	32.12	32.08	29.55	27.92	27.47	26.66	25.12	23.10	22.30	
GSM 850		Voice	GPRS/EDGE Data (GMSK)					EDGE Data (8-PSK)			
Antenna: A		GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)	
Power Level	Channel Number	Calculated Frame-Averaged Conducted Power [dBm]									
Pmax (Head)	128	22.52	22.48	24.13	24.23	23.87	17.51	18.86	18.70	18.99	
	190	22.70	22.60	24.34	24.47	23.82	17.83	19.22	19.00	19.16	
	251	22.92	22.88	24.31	24.59	24.29	17.46	18.93	18.67	19.12	
DSI 0 (Body-worn/Hotspot/Phablet)	128	22.52	22.48	23.39	23.28	23.87	17.51	18.86	18.70	18.99	
	190	22.70	22.60	23.42	23.30	23.82	17.83	19.22	19.00	19.16	
	251	22.92	22.88	23.36	23.49	24.29	17.46	18.93	18.67	19.12	
Pmax (Head)	Frame-Avg Target (dBm):	23.3	23.3	25.3	25.1	24.3	17.8	18.8	18.6	18.8	
DSI 0 (Body-worn/Hotspot/Phablet)	Frame-Avg Target (dBm):	23.3	23.3	24.3	24.3	24.3	17.8	18.8	18.6	18.8	



Table 2-2

GSM 850		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Antenna: E		GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)
Power Level	Channel Number	Burst-Averaged Conducted Power [dBm]								
DSI 0/ DSI 1 (Head/Body- worn/Hotspot/Phablet)	128	29.80	29.85	26.65	25.07	23.93	26.45	25.04	23.03	21.45
	190	29.40	29.40	26.40	24.83	23.66	26.04	24.82	22.92	21.63
	251	29.76	29.80	26.55	24.80	24.15	26.58	24.74	22.80	21.82
GSM 850		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Antenna: E		GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)
Power Level	Channel Number	Calculated Frame-Averaged Conducted Power [dBm]								
DSI 0/ DSI 1 (Head/Body- worn/Hotspot/Phablet)	128	20.60	20.65	20.46	20.64	20.75	17.25	18.85	18.60	18.27
	190	20.20	20.20	20.21	20.40	20.48	16.84	18.63	18.49	18.45
	251	20.56	20.60	20.36	20.37	20.97	17.38	18.55	18.37	18.64
DSI 0/ DSI 1 (Head/Body- worn/Hotspot/Phablet)	Frame-Avg Target (dBm):	20.8	20.8	20.8	20.8	20.8	17.8	18.8	18.6	18.8

Table 2-3

GSM 1900		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Antenna: A		GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)
Power Level	Channel Number	Burst-Averaged Conducted Power [dBm]								
Pmax/DSI 1 (Head)	512	29.10	28.94	28.90	26.33	23.44	25.05	23.71	21.71	20.81
	661	29.35	29.25	27.50	26.03	23.17	25.14	23.57	21.57	20.39
	810	29.90	29.71	28.32	26.75	23.72	25.27	23.98	21.80	20.80
DSI 0 (Body-worn/Hotspot/Phablet)	512	27.77	27.83	24.51	23.16	21.38	25.81	23.75	21.80	20.93
	661	28.09	28.06	24.86	23.13	21.68	25.18	23.60	21.43	20.62
	810	28.55	28.60	25.09	23.52	21.60	25.36	23.80	21.63	20.63
GSM 1900		Voice	GPRS/EDGE Data (GMSK)				EDGE Data (8-PSK)			
Antenna: A		GSM (1 Tx Slot)	GPRS (1 Tx Slot)	GPRS (2 Tx Slots)	GPRS (3 Tx Slots)	GPRS (4 Tx Slots)	EDGE (1 Tx Slot)	EDGE (2 Tx Slots)	EDGE (3 Tx Slots)	EDGE (4 Tx Slots)
Power Level	Channel Number	Calculated Frame-Averaged Conducted Power [dBm]								
Pmax/DSI 1 (Head)	512	19.90	19.74	22.71	21.90	20.26	15.85	17.52	17.28	17.63
	661	20.15	20.05	21.31	21.60	19.99	15.94	17.38	17.14	17.21
	810	20.70	20.51	22.13	22.32	20.54	16.07	17.79	17.37	17.62
DSI 0 (Body-worn/Hotspot/Phablet)	512	18.57	18.63	18.32	18.73	18.20	16.61	17.56	17.37	17.75
	661	18.89	18.86	18.67	18.70	18.50	15.98	17.41	17.00	17.44
	810	19.35	19.40	18.90	19.09	18.42	16.16	17.61	17.20	17.45
Pmax/DSI 1 (Head)	Frame-Avg Target (dBm):	20.3	20.3	21.8	22.1	21.3	16.8	17.8	17.6	17.8
DSI 0 (Body-worn/Hotspot/Phablet)	Frame-Avg Target (dBm):	18.8	18.8	18.8	18.8	18.8	16.8	17.8	17.6	17.8



2.3. UMTS Conducted Powers

Table 2-4

UMTS Band 5		Frequency [MHz]	826.4	836.6	846.6
Antenna: A		Channel Number	4132	4183	4233
Power Level	Mode	Subtest	Conducted Power [dBm]		
Pmax (Head/Body-worn/Hotspot/Phablet)	WCDMA	RMC	23.85	24.07	23.76
		AMR	23.81	24.10	23.72

Table 2-5

UMTS Band 5		Frequency [MHz]	826.4	836.6	846.6
Antenna: E		Channel Number	4132	4183	4233
Power Level	Mode	Subtest	Conducted Power [dBm]		
DSI 0 (Body-worn/Hotspot/Phablet)	WCDMA	RMC	21.07	21.10	21.09
		AMR	21.12	21.04	21.08
DSI 1 (Head)	WCDMA	RMC	19.80	19.98	19.80
		AMR	19.72	19.99	19.73

Table 2-6

UMTS Band 4		Frequency [MHz]	1712.4	1732.4	1752.6
Antenna: A		Channel Number	1312	1412	1513
Power Level	Mode	Subtest	Conducted Power [dBm]		
Pmax (Head)	WCDMA	RMC	22.20	22.27	22.21
		AMR	22.22	22.29	22.21
DSI 0 (Body-worn/Hotspot/Phablet)	WCDMA	RMC	15.10	15.00	15.01
		AMR	15.03	14.81	14.97

Table 2-7

UMTS Band 2		Frequency [MHz]	1852.4	1880.0	1907.6
Antenna: A		Channel Number	9262	9400	9538
Power Level	Mode	Subtest	Conducted Power [dBm]		
Pmax (Head)	WCDMA	RMC	22.42	22.28	22.47
		AMR	22.41	22.27	22.49
DSI 0 (Body-worn/Hotspot/Phablet)	WCDMA	RMC	16.55	16.04	16.25
		AMR	16.56	16.21	16.44

2.4. LTE Conducted Powers

Note:

1. Per FCC KDB Publication 941225 D05v02r05, LTE SAR for the lower bandwidths and for higher order modulations 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. Conducted powers for the higher order modulations and for the lower bandwidths for all LTE Bands are included in the Secondary Mode Conducted Power Appendix. When 10g SAR measurement is considered, a factor of 2.5 is applied to the 1g thresholds for the equivalent test cases.
2. 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.
3. This device supports LTE capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE Band falls completely within an LTE band with a larger transmission frequency range, both LTE bands have the same target power (or the band with the larger transmission frequency range has a higher target power), and both LTE bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.
4. This device supports uplink carrier aggregation for LTE CA_48C and CA_7C, with a maximum of two component carriers. For intra-band 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.
5. 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.



Table 2-8

LTE Band 71		Frequency [MHz]		680.5	MPR [dB]
Antenna:	A	Channel Number		133297	
Bandwidth [MHz]:	20	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head)	QPSK	1	0	23.23	0
		1	50	23.24	0
		1	99	22.90	0
		50	0	22.30	1
		50	25	22.21	1
		50	50	22.30	1
		100	0	22.29	1
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	22.99	0
		1	50	22.90	0
		1	99	22.85	0
		50	0	22.98	0
		50	25	23.03	0
		50	50	22.92	0
		100	0	22.98	0

Table 2-9

LTE Band 71		Frequency [MHz]		680.5	MPR [dB]
Antenna:	ANT E	Channel Number		133297	
Bandwidth [MHz]:	20	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	20.95	0
		1	50	21.10	0
		1	99	21.02	0
		50	0	20.96	0
		50	25	21.04	0
		50	50	20.96	0
		100	0	20.99	0
DSI 1 (Head)	QPSK	1	0	18.97	0
		1	50	19.03	0
		1	99	18.99	0
		50	0	18.97	0
		50	25	19.03	0
		50	50	18.94	0
		100	0	18.96	0



Table 2-10

LTE Band 12		Frequency [MHz]		707.5	MPR [dB]
Antenna: A		Channel Number		23095	
Bandwidth [MHz]:	10	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head/Body-worn/Hotspot/Phablet)	QPSK	1	0	23.94	0
		1	25	23.93	0
		1	49	23.77	0
		25	0	23.05	1
		25	12	22.97	1
		25	25	23.06	1
		50	0	22.97	1

Table 2-11

LTE Band 12		Frequency [MHz]		707.5	MPR [dB]
Antenna: E		Channel Number		23095	
Bandwidth [MHz]:	10	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	20.30	0
		1	25	20.31	0
		1	49	20.21	0
		25	0	20.28	0
		25	12	20.44	0
		25	25	20.43	0
		50	0	20.27	0
DSI 1 (Head)	QPSK	1	0	18.33	0
		1	25	18.37	0
		1	49	18.35	0
		25	0	18.37	0
		25	12	18.38	0
		25	25	18.36	0
		50	0	18.30	0



Table 2-12

LTE Band 13		Frequency [MHz]		782	MPR [dB]
Antenna:	A	Channel Number		23230	
Bandwidth [MHz]:	10	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head/Body-worn/Hotspot/Phablet)	QPSK	1	0	23.37	0
		1	25	23.47	0
		1	49	23.41	0
		25	0	22.37	1
		25	12	22.38	1
		25	25	22.35	1
		50	0	22.26	1

Table 2-13

LTE Band 13		Frequency [MHz]		782	MPR [dB]
Antenna:	E	Channel Number		23230	
Bandwidth [MHz]:	10	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	21.61	0
		1	25	22.02	0
		1	49	21.60	0
		25	0	21.70	0
		25	12	22.01	0
		25	25	21.73	0
		50	0	22.00	0
DSI 1 (Head)	QPSK	1	0	19.89	0
		1	25	20.06	0
		1	49	20.01	0
		25	0	20.02	0
		25	12	20.07	0
		25	25	20.06	0
		50	0	20.04	0



Table 2-14

LTE Band 14		Frequency [MHz]		793	MPR [dB]
Antenna:	A	Channel Number		23330	
Bandwidth [MHz]:	10	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head)	QPSK	1	0	23.97	0
		1	25	23.96	0
		1	49	23.83	0
		25	0	23.02	1
		25	12	23.01	1
		25	25	22.98	1
		50	0	22.98	1
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	22.99	0
		1	25	22.92	0
		1	49	22.86	0
		25	0	22.91	0
		25	12	23.01	0
		25	25	22.98	0
		50	0	22.97	0

Table 2-15

LTE Band 14		Frequency [MHz]		793	MPR [dB]
Antenna:	E	Channel Number		23330	
Bandwidth [MHz]:	10	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	20.67	0
		1	25	21.02	0
		1	49	20.52	0
		25	0	20.65	0
		25	12	21.01	0
		25	25	20.64	0
		50	0	21.00	0
DSI 1 (Head)	QPSK	1	0	19.68	0
		1	25	20.02	0
		1	49	19.50	0
		25	0	19.62	0
		25	12	20.01	0
		25	25	20.00	0
		50	0	20.00	0



Table 2-16

LTE Band 26		Frequency [MHz]		831.5	MPR [dB]
Antenna:	A	Channel Number		26865	
Bandwidth [MHz]:	15	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head/Body-worn/Hotspot/Phablet)	QPSK	1	0	23.36	0
		1	36	23.69	0
		1	74	23.74	0
		36	0	22.61	1
		36	18	22.63	1
		36	37	22.55	1
		75	0	22.62	1

Table 2-17

LTE Band 26		Frequency [MHz]		831.5	MPR [dB]
Antenna:	E	Channel Number		26865	
Bandwidth [MHz]:	15	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	21.54	0
		1	36	21.84	0
		1	74	21.40	0
		36	0	21.50	0
		36	18	21.57	0
		36	37	21.45	0
		75	0	21.50	0
DSI 1 (Head)	QPSK	1	0	19.04	0
		1	36	19.21	0
		1	74	19.11	0
		36	0	19.02	0
		36	18	19.08	0
		36	37	18.93	0
		75	0	19.00	0



Table 2-18

LTE Band 66		Frequency [MHz]		1720	1745	1770	MPR [dB]
Antenna:	A						
Bandwidth [MHz]: 20		Channel Number		132072	132322	132572	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]			
Pmax (Head)	QPSK	1	0	23.01	23.10	23.55	
		1	50	23.15	23.27	23.47	0
		1	99	23.10	23.25	23.49	0
		50	0	22.08	22.28	22.45	1
		50	25	22.17	22.31	22.53	1
		50	50	22.16	22.36	22.52	1
		100	0	22.14	22.26	22.43	1
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	15.57	15.50	15.52	0
		1	50	15.62	15.51	15.63	0
		1	99	15.47	15.36	15.54	0
		50	0	15.68	15.53	15.55	0
		50	25	15.69	15.54	15.60	0
		50	50	15.52	15.47	15.70	0
		100	0	15.55	15.49	15.61	0

Table 2-19

LTE Band 66		Frequency [MHz]		1720	1745	1770	MPR [dB]
Antenna: F							
Bandwidth [MHz]: 20		Channel Number		132072	132322	132572	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]			
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	16.99	17.09	17.15	
		1	50	17.21	17.22	17.13	0
		1	99	17.06	17.08	17.11	0
		50	0	17.06	17.17	17.16	0
		50	25	17.19	17.13	17.19	0
		50	50	17.16	17.21	17.17	0
		100	0	17.13	17.15	17.13	0
DSI 1 (Head)	QPSK	1	0	16.05	16.15	16.06	0
		1	50	16.15	16.24	16.17	0
		1	99	15.97	16.06	16.06	0
		50	0	16.06	16.14	16.14	0
		50	25	16.20	16.22	16.21	0
		50	50	16.11	16.16	16.12	0
		100	0	16.11	16.17	16.14	0



Table 2-20

LTE Band 25		Frequency [MHz]		1860	1882.5	1905	MPR [dB]	
Antenna:	A							
Bandwidth [MHz]:		20		Channel Number	26140	26365		26590
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]				
Pmax (Head)	QPSK	1	0	22.31	22.18	22.27	0	
		1	50	22.50	22.16	22.33	0	
		1	99	22.35	22.31	22.43	0	
		50	0	21.50	21.26	21.36	1	
		50	25	21.41	21.34	21.44	1	
		50	50	21.38	21.30	21.61	1	
		100	0	21.38	21.21	21.39	1	
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	15.96	16.03	15.71	0	
		1	50	16.07	15.74	16.05	0	
		1	99	15.82	15.72	15.69	0	
		50	0	16.06	15.85	15.85	0	
		50	25	16.01	15.82	15.91	0	
		50	50	15.89	16.05	16.04	0	
		100	0	15.88	15.77	16.01	0	

Table 2-21

LTE Band 25		Frequency [MHz]		1860	1882.5	1905	MPR [dB]
Antenna:	F						
Bandwidth [MHz]:	20	Channel Number		26140	26365	26590	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]			
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	17.81	17.60	17.72	
		1	50	17.83	17.46	17.73	0
		1	99	17.57	17.60	17.62	0
		50	0	17.86	17.60	17.69	0
		50	25	17.70	17.61	17.67	0
		50	50	17.73	17.56	17.79	0
		100	0	17.71	17.57	17.64	0
DSI 1 (Head)	QPSK	1	0	16.27	16.12	16.18	0
		1	50	16.26	16.00	16.10	0
		1	99	16.13	15.99	16.20	0
		50	0	16.28	16.10	16.10	0
		50	25	16.27	16.10	16.09	0
		50	50	16.20	16.05	16.21	0
		100	0	16.19	16.00	16.04	0



Table 2-22

LTE Band 30		Frequency [MHz]		2310	MPR [dB]
Antenna: A		Channel Number		27710	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
Pmax (Head)	QPSK	1	0	21.50	0
		1	25	21.48	0
		1	49	21.43	0
		25	0	20.54	1
		25	12	20.53	1
		25	25	20.51	1
		50	0	20.52	1
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	19.12	0
		1	25	19.02	0
		1	49	18.94	0
		25	0	19.07	0
		25	12	19.06	0
		25	25	19.03	0
		50	0	19.04	0

Table 2-23

LTE Band 30		Frequency [MHz]		2310	MPR [dB]
Antenna: F		Channel Number		27710	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	18.89	0
		1	25	19.07	0
		1	49	18.97	0
		25	0	19.23	0
		25	12	19.11	0
		25	25	19.13	0
		50	0	19.02	0
DSI 1 (Head)	QPSK	1	0	17.68	0
		1	25	17.59	0
		1	49	17.41	0
		25	0	17.68	0
		25	12	17.92	0
		25	25	17.52	0
		50	0	17.60	0



Table 2-24

LTE Band 7		Frequency [MHz]		2510	2535	2560	MPR [dB]
Antenna:	B	Channel Number		20850	21100	21350	
Bandwidth [MHz]:	20	Conducted Powers [dBm]					
Power Level	Modulation	RB Size	RB Offset				
Pmax (Head)	QPSK	1	0	23.04	23.46	23.53	0
		1	50	23.12	23.49	23.49	0
		1	99	23.25	23.47	23.51	0
		50	0	22.09	22.50	22.52	1
		50	25	22.22	22.53	22.54	1
		50	50	22.21	22.49	22.49	1
		100	0	22.18	22.48	22.35	1
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	17.40	17.47	17.46	0
		1	50	17.51	17.59	17.38	0
		1	99	17.58	17.60	17.40	0
		50	0	17.46	17.65	17.62	0
		50	25	17.63	17.69	17.60	0
		50	50	17.60	17.64	17.48	0
		100	0	17.56	17.59	17.55	0

Table 2-25

LTE Band 7 ULCA 7C		Frequency [MHz]		PCC: 2560 SCC: 2540.2	MPR [dB]
Antenna:	B	Channel Number		PCC: 21350 SCC: 21152	
Bandwidth [MHz]:	PCC: 20 SCC: 20	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head)	QPSK	PCC: 1 SCC: 1	PCC: 0 SCC: 99	24.00	0
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	PCC: 1 SCC: 1	PCC: 0 SCC: 99	17.14	0



Table 2-26

LTE Band 7		Frequency [MHz]		2510	2535	2560	MPR [dB]
Antenna:	F	Channel Number		20850	21100	21350	
Bandwidth [MHz]:	20	Conducted Powers [dBm]					
Power Level	Modulation	RB Size	RB Offset				
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	15.94	15.84	15.68	0
		1	50	15.91	16.08	15.51	0
		1	99	15.82	15.80	15.53	0
		50	0	15.93	16.01	15.58	0
		50	25	15.93	15.78	15.54	0
		50	50	15.92	16.00	15.59	0
		100	0	15.89	15.82	15.51	0
DSI 1 (Head)	QPSK	1	0	15.50	15.52	15.05	0
		1	50	15.51	15.30	15.06	0
		1	99	15.31	15.24	15.03	0
		50	0	15.47	15.38	15.07	0
		50	25	15.50	15.23	15.04	0
		50	50	15.33	15.30	15.04	0
		100	0	15.38	15.32	15.02	0

Table 2-27

LTE Band 7 ULCA 7C		Frequency [MHz]		PCC: 2535 SCC: 2554.8	MPR [dB]
Antenna:	F	Channel Number		PCC: 21100 SCC: 21298	
Bandwidth [MHz]:	PCC: 20 SCC: 20	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	PCC: 50 SCC: 50	PCC: 50 SCC: 0	16.04	0
DSI 1 (Head)	QPSK	PCC: 50 SCC: 50	PCC: 50 SCC: 0	15.37	0



Table 2-28

LTE Band 41		Frequency [MHz]		2506	2549.5	2593	2636.5	2680	MPR [dB]
Antenna:	B								
Bandwidth [MHz]:	20	Channel Number		39750	40185	40620	41055	41490	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]					
Pmax (Head)	QPSK	1	0	23.37	23.76	23.47	23.75	23.71	0
		1	50	23.35	23.78	23.59	23.50	23.60	0
		1	99	23.10	23.61	23.42	23.32	23.47	0
		50	0	22.26	22.74	22.49	22.61	22.63	1
		50	25	22.33	22.73	22.57	22.60	22.60	1
		50	50	22.19	22.64	22.54	22.49	22.51	1
		100	0	22.19	22.72	22.57	22.56	22.56	1
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	20.03	20.11	20.21	20.24	20.27	0
		1	50	20.12	20.14	20.26	20.22	20.25	0
		1	99	20.06	20.03	20.18	20.08	20.13	0
		50	0	20.02	20.06	20.26	20.31	20.34	0
		50	25	20.06	20.09	20.33	20.30	20.29	0
		50	50	20.00	20.02	20.27	20.22	20.19	0
		100	0	20.01	20.05	20.26	20.26	20.25	0

Table 2-29

LTE Band 41		Frequency [MHz]		2506	2549.5	2593	2636.5	2680	MPR [dB]
Antenna: F									
Bandwidth [MHz]: 20		Channel Number		39750	40185	40620	41055	41490	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]					
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	21.37	21.17	21.31	21.36	21.03	0
		1	50	21.36	21.16	21.30	21.32	20.93	0
		1	99	21.29	21.11	21.16	21.09	20.72	0
		50	0	21.36	21.12	21.31	21.33	21.04	0
		50	25	21.25	21.11	21.30	21.31	20.94	0
		50	50	21.29	21.07	21.26	21.34	20.78	0
		100	0	21.23	20.95	21.22	21.20	20.93	0
DSI 1 (Head)	QPSK	1	0	18.85	18.68	18.84	18.79	18.64	0
		1	50	18.84	18.67	18.83	18.80	18.49	0
		1	99	18.83	18.64	18.70	18.59	18.20	0
		50	0	18.81	18.63	18.84	18.86	18.58	0
		50	25	18.87	18.62	18.83	18.83	18.52	0
		50	50	18.80	18.60	18.78	18.66	18.32	0
		100	0	18.75	18.49	18.70	18.71	18.47	0



Table 2-30

LTE Band 48		Frequency [MHz]		3560	3603.3	3646.7	3690	MPR [dB]
Antenna: F								
Bandwidth [MHz]: 20		Channel Number		55340	55773	56207	56640	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]				
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	1	0	19.20	19.30	19.34	19.18	
		1	50	19.33	19.38	19.35	19.22	0
		1	99	19.44	19.28	19.12	19.06	0
		50	0	19.27	19.44	19.29	19.15	0
		50	25	19.35	19.55	19.49	19.36	0
		50	50	19.36	19.53	19.50	19.00	0
		100	0	19.28	19.43	19.36	19.22	0
DSI 1 (Head)	QPSK	1	0	17.18	17.27	17.24	17.22	0
		1	50	17.19	17.41	17.32	17.20	0
		1	99	17.18	17.27	17.16	17.07	0
		50	0	17.25	17.32	17.28	17.16	0
		50	25	17.35	17.48	17.33	17.30	0
		50	50	17.27	17.41	17.34	17.19	0
		100	0	17.29	17.40	17.31	17.22	0

Table 2-31

LTE Band 48 ULCA 48C		Frequency [MHz]		PCC: 3560 SCC: 3579.8	MPR [dB]
Antenna: F		Channel Number		PCC: 55340 SCC: 55538	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
DSI 0 (Body-worn/Hotspot/Phablet)	QPSK	PCC: 1 SCC: 1	PCC: 99 SCC: 0	19.28	0
DSI 1 (Head)	QPSK	PCC: 1 SCC: 1	PCC: 99 SCC: 0	17.20	0



2.5. NR Conducted Powers

Note:

1. 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 and higher order modulations was not required for testing based on the measured output power and the reported NR SAR for the highest bandwidth. Conducted powers for the higher order modulations and for the lower bandwidths for all NR Bands are included in the Secondary Mode Conducted Power Appendix.
2. 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.
3. This device supports NR capabilities with overlapping transmission frequency ranges. When the supported frequency range of an NR Band falls completely within an NR band with a larger transmission frequency range, both NR bands have the same target power (or the band with the larger transmission frequency range has a higher target power), and both NR bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

Table 2-32

NR Band n71		Frequency [MHz]		680.5	MPR [dB]
Antenna:	A	Channel Number		136100	
Bandwidth [MHz]:	35				
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
Pmax (head)	DFT-s-OFDM QPSK	1	1	23.77	0
		1	94	23.74	0
		1	186	23.56	0
		90	0	22.53	1
		90	49	23.55	0
		90	98	22.53	1
		180	0	22.48	1
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	22.35	0
		1	94	22.34	0
		1	186	22.34	0
		90	0	22.56	0
		90	49	22.57	0
		90	98	22.53	0
		180	0	22.21	0



Table 2-33

NR Band n71		Frequency [MHz]		680.5	MPR [dB]
Antenna:	E	Channel Number		136100	
Bandwidth [MHz]:	35	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	20.72	0
		1	94	20.69	0
		1	186	20.60	0
		90	0	20.80	0
		90	49	20.71	0
		90	98	20.75	0
		180	0	20.71	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	18.60	0
		1	94	18.61	0
		1	186	18.48	0
		90	0	18.93	0
		90	49	18.78	0
		90	98	18.73	0
		180	0	18.59	0

Table 2-34

NR Band n12		Frequency [MHz]		707.5	MPR [dB]
Antenna:	A	Channel Number		141500	
Bandwidth [MHz]:	15	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head/Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	23.39	0
		1	40	23.27	0
		1	77	23.23	0
		36	0	22.40	1
		36	22	23.29	0
		36	43	22.31	1
		75	0	22.35	1



Table 2-35

NR Band n12		Frequency [MHz]		707.5	MPR [dB]
Antenna:	E	Channel Number		141500	
Bandwidth [MHz]:	15	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	21.66	0
		1	40	21.65	0
		1	77	21.62	0
		36	0	21.96	0
		36	22	21.97	0
		36	43	21.91	0
		75	0	21.64	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	18.96	0
		1	40	18.93	0
		1	77	18.76	0
		36	0	18.94	0
		36	22	18.93	0
		36	43	18.86	0
		75	0	18.78	0

Table 2-36

NR Band n14		Frequency [MHz]		793	MPR [dB]
Antenna:	A	Channel Number		158600	
Bandwidth [MHz]:	10	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head/Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	23.52	0
		1	26	23.45	0
		1	50	23.31	0
		25	0	22.46	1
		25	14	23.53	0
		25	27	22.41	1
		50	0	22.36	1



Table 2-37

NR Band n14		Frequency [MHz]		793	MPR [dB]
Antenna:	E	Channel Number		158600	
Bandwidth [MHz]:	10	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	20.84	0
		1	26	20.71	0
		1	50	20.83	0
		25	0	20.86	0
		25	14	20.87	0
		25	27	20.85	0
		50	0	20.82	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	19.56	0
		1	26	19.55	0
		1	50	19.55	0
		25	0	19.87	0
		25	14	19.72	0
		25	27	19.73	0
		50	0	19.55	0

Table 2-38

NR Band n26		Frequency [MHz]		831.5	MPR [dB]
Antenna:	A	Channel Number		166300	
Bandwidth [MHz]:	20	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head/Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	23.43	0
		1	53	23.47	0
		1	104	23.45	0
		50	0	22.57	1
		50	28	23.61	0
		50	56	22.59	1
		100	0	22.62	1



Table 2-39

NR Band n26		Frequency [MHz]		831.5
Antenna:	E	Channel Number		166300
Bandwidth [MHz]:	20	RB Size		RB Offset
Power Level	Modulation	RB Size	RB Offset	
DSI 0/DSI 1 (Head/Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	18.65
		1	53	19.01
		1	104	18.82
		50	0	19.02
		50	28	19.00
		50	56	18.82
		100	0	19.00

Table 2-40

NR Band n70		Frequency [MHz]		1702.5	MPR [dB]
Antenna:	A	Channel Number		340500	
Bandwidth [MHz]:	15	RB Size		RB Offset	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
Pmax (Head)	DFT-s-OFDM QPSK	1	1	23.08	0
		1	40	23.04	0
		1	77	23.19	0
		36	0	22.13	1
		36	22	23.23	0
		36	43	22.11	1
		75	0	22.14	1
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	16.09	0
		1	40	16.01	0
		1	77	16.08	0
		36	0	16.07	0
		36	22	16.10	0
		36	43	16.12	0
		75	0	16.06	0



Table 2-41

NR Band n70		Frequency [MHz]		1702.5	MPR [dB]
Antenna: F		Channel Number		340500	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	20.24	0
		1	40	20.24	0
		1	77	20.26	0
		36	0	20.15	0
		36	22	20.30	0
		36	43	20.12	0
		75	0	20.16	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	17.45	0
		1	40	17.40	0
		1	77	17.35	0
		36	0	17.34	0
		36	22	17.41	0
		36	43	17.35	0
		75	0	17.40	0

Table 2-42

NR Band n66		Frequency [MHz]		1745	MPR [dB]
Antenna: A		Channel Number		349000	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
Pmax(Head)	DFT-s-OFDM QPSK	1	1	22.56	0
		1	121	22.36	0
		1	240	22.47	0
		120	0	21.62	1
		120	61	22.54	0
		120	122	21.51	1
		240	0	21.55	1
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	17.06	0
		1	121	16.88	0
		1	240	16.94	0
		120	0	17.05	0
		120	61	17.08	0
		120	122	17.06	0
		240	0	17.05	0



Table 2-43

NR Band n66		Frequency [MHz]		1745	MPR [dB]
Antenna: F		Channel Number		349000	
Bandwidth [MHz]: 45		RB Size		Conducted Powers [dBm]	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	17.56	0
		1	121	17.54	0
		1	240	17.71	0
		120	0	17.66	0
		120	61	17.70	0
		120	122	17.61	0
		240	0	17.69	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	16.65	0
		1	121	16.71	0
		1	240	16.61	0
		120	0	16.66	0
		120	61	16.70	0
		120	122	16.64	0
		240	0	16.53	0



Table 2-44

NR Band n25		Frequency [MHz]		1882.5	MPR [dB]
Antenna:	A	Channel Number		376500	
Bandwidth [MHz]:	40	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head)	DFT-s-OFDM QPSK	1	1	23.33	0
		1	108	23.09	0
		1	214	23.23	0
		108	0	22.28	1
		108	54	23.24	0
		108	108	22.17	1
		216	0	22.19	1
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	18.80	0
		1	108	18.57	0
		1	214	18.72	0
		108	0	18.73	0
		108	54	18.66	0
		108	108	18.62	0
		216	0	18.66	0

Table 2-45

NR Band n25		Frequency [MHz]		1882.5	MPR [dB]
Antenna:	F	Channel Number		376500	
Bandwidth [MHz]:	40	Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	18.32	0
		1	108	18.31	0
		1	214	18.17	0
		108	0	18.24	0
		108	54	18.45	0
		108	108	18.41	0
		216	0	18.29	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	16.12	0
		1	108	16.01	0
		1	214	16.11	0
		108	0	16.11	0
		108	54	16.12	0
		108	108	15.97	0
		216	0	16.05	0



Table 2-46

NR Band n30		Frequency [MHz]		2310	MPR [dB]
Antenna: A		Channel Number		462000	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
Pmax (Head)	DFT-s-OFDM QPSK	1	1	21.71	0
		1	26	21.68	0
		1	50	21.59	0
		25	0	20.74	1
		25	14	21.61	0
		25	27	20.58	1
		50	0	20.64	1
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	19.15	0
		1	26	19.19	0
		1	50	19.14	0
		25	0	19.20	0
		25	14	19.12	0
		25	27	19.11	0
		50	0	19.12	0



Table 2-47

NR Band n30		Frequency [MHz]		2310	MPR [dB]
Antenna: F		Channel Number		462000	
Bandwidth [MHz]: 10		Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	19.36	0
		1	26	19.44	0
		1	50	19.52	0
		25	0	19.33	0
		25	14	19.38	0
		25	27	19.44	0
		50	0	19.36	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	17.85	0
		1	26	17.90	0
		1	50	17.99	0
		25	0	17.84	0
		25	14	17.91	0
		25	27	17.93	0
		50	0	17.90	0

Table 2-48

NR Band n7		Frequency [MHz]		2535	MPR [dB]
Antenna: B		Channel Number		507000	
Bandwidth [MHz]: 50		Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
Pmax (Head)	DFT-s-OFDM QPSK	1	1	23.51	0
		1	135	23.87	0
		1	268	23.67	0
		135	0	22.72	1
		135	68	23.86	0
		135	135	22.69	1
		270	0	22.66	1
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	18.26	0
		1	135	18.24	0
		1	268	18.16	0
		135	0	18.23	0
		135	68	18.24	0
		135	135	18.25	0
		270	0	18.24	0



Table 2-49

NR Band n7		Frequency [MHz]		2535	MPR [dB]
Antenna: F		Channel Number		507000	
Bandwidth [MHz]: 50					
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	18.75	0
		1	135	18.66	0
		1	268	18.42	0
		135	0	18.64	0
		135	68	18.61	0
		135	135	18.37	0
		270	0	18.55	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	16.50	0
		1	135	16.47	0
		1	268	16.39	0
		135	0	16.45	0
		135	68	16.48	0
		135	135	16.44	0
		270	0	16.47	0

Table 2-50

NR Band n41 PC2 Default		Frequency [MHz]		2592.99	MPR [dB]
Antenna: F		Channel Number		518598	
Bandwidth [MHz]: 100					
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	18.06	0
		1	137	18.15	0
		1	271	18.13	0
		135	0	18.06	0
		135	69	18.15	0
		135	138	18.23	0
		270	0	18.14	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	14.89	0
		1	137	14.84	0
		1	271	14.81	0
		135	0	14.83	0
		135	69	14.82	0
		135	138	14.82	0
		270	0	14.81	0



Table 2-51

NR Band n41 PC2 Default		Frequency [MHz]	2592.99
Mode:	SRS/CW		
Bandwidth [MHz]:	100	Channel Number	518598
Power Level		Antenna	Conducted Powers [dBm]
DSI 0 (Body-worn/Hotspot/Phablet)		B	18.12
		E	15.02
		D	14.79
DSI 1 (Head)		B	22.36
		E	12.99
		D	12.70

Table 2-52

NR Band n41 PC2 Switching		Frequency [MHz]		2592.99	MPR [dB]
Antenna:	B				
Bandwidth [MHz]:	100	Channel Number		518598	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]	
DSI 0 (Body-worn/Hotspot/Phablet)		1	1	17.12	0
		1	137	17.18	0
		1	271	17.13	0
		135	0	17.18	0
		135	69	17.10	0
		135	138	17.19	0
		270	0	17.17	0
DSI 1 (Head)		1	1	19.73	0
		1	137	19.61	0
		1	271	19.74	0
		135	0	19.70	0
		135	69	19.71	0
		135	138	19.56	0
		270	0	19.70	0



Table 2-53

NR Band n41 PC2 Switching		Frequency [MHz]	2592.99
Mode:	SRS/CW		
Bandwidth [MHz]:	100	Channel Number	518598
Power Level		Antenna	Conducted Powers [dBm]
DSI 0 (Body-worn/Hotspot/Phablet)		F	16.19
		D	12.93
		E	13.91
DSI 1 (Head)		F	12.58
		D	10.92
		E	11.78

Table 2-54

NR Band n48		Frequency [MHz]		3570	3624.99	3679.98	MPR [dB]
Antenna:	F						
Bandwidth [MHz]:	40	Channel Number		638000	641666	645332	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]			
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	16.91	17.09	17.04	0
		1	53	17.00	17.08	16.88	0
		1	104	16.99	17.04	17.05	0
		50	0	16.94	17.07	17.03	0
		50	28	16.83	17.08	16.94	0
		50	56	16.92	17.03	17.04	0
		100	0	16.89	17.01	16.95	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	14.53	14.77	14.71	0
		1	53	14.51	14.82	14.71	0
		1	104	14.55	14.80	14.70	0
		50	0	14.53	14.79	14.70	0
		50	28	14.57	14.81	14.68	0
		50	56	14.61	14.80	14.69	0
		100	0	14.56	14.79	14.67	0



Table 2-55

NR Band n48		Frequency [MHz]	3570	3624.99	3679.98
Mode:	SRS/CW				
Bandwidth [MHz]: 40		Channel Number	638000	641666	645332
Power Level		Antenna	Conducted Powers [dBm]		
DSI 0 (Body-worn/Hotspot/Phablet)		C	15.29	14.89	14.82
		H	18.00	18.01	17.81
		D	13.11	13.01	12.99
DSI 1 (Head)		C	12.09	12.01	11.66
		H	14.52	14.64	14.45
		D	10.12	10.08	9.79

Table 2-56

NR Band n77 PC2		Frequency [MHz]		3750	3930	MPR [dB]
Antenna:	F	Channel Number		650000	662000	
Bandwidth [MHz]: 100		Conducted Powers [dBm]				
Power Level	Modulation	RB Size	RB Offset			
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	15.80	16.16	0
		1	137	15.81	16.11	0
		1	271	15.80	16.50	0
		135	0	15.79	16.10	0
		135	69	15.77	16.14	0
		135	138	15.76	16.46	0
		270	0	15.78	16.28	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	14.40	14.90	0
		1	137	14.35	14.94	0
		1	271	14.36	14.91	0
		135	0	14.37	14.94	0
		135	69	14.37	14.97	0
		135	138	14.38	14.96	0
		270	0	14.38	14.93	0



Table 2-57

NR Band n77 DoD PC2		Frequency [MHz]		3500.01	MPR [dB]
Antenna: F		Channel Number		633334	
Bandwidth [MHz]: 100		Conducted Powers [dBm]			
Power Level	Modulation	RB Size	RB Offset		
DSI 0 (Body-worn/Hotspot/Phablet)	DFT-s-OFDM QPSK	1	1	16.56	0
		1	137	16.15	0
		1	271	16.32	0
		135	0	16.37	0
		135	69	16.20	0
		135	138	16.28	0
		270	0	16.32	0
DSI 1 (Head)	DFT-s-OFDM QPSK	1	1	15.09	0
		1	137	14.83	0
		1	271	14.99	0
		135	0	14.96	0
		135	69	14.85	0
		135	138	14.81	0
		270	0	14.89	0

Table 2-58

NR Band n77 PC2		Frequency [MHz]		3750	3930
Mode: SRS/CW		Channel Number		650000	662000
Bandwidth [MHz]: 100		Conducted Powers [dBm]			
Power Level		Antenna			
DSI 0 (Body-worn/Hotspot/Phablet)		C		13.05	13.81
		H		14.61	15.74
		D		11.00	11.42
DSI 1 (Head)		C		11.83	12.45
		H		13.16	13.95
		D		9.91	10.28



Table 2-59

NR Band n77 DoD PC2		Frequency [MHz]	3500.01
Mode:	SRS/CW		
Bandwidth [MHz]: 100		Channel Number	633334
Power Level		Antenna	Conducted Powers [dBm]
DSI 0 (Body-worn/Hotspot/Phablet)		C	14.30
		H	15.01
		D	12.34
DSI 1 (Head)		C	12.86
		H	13.19
		D	10.88

2.6. NTN Conducted Powers

Table 2-60

NTN L-Band Band 255		Frequency [MHz]		1626.6	1643.5	1660.4
Antenna:	F	Channel Number		261505	261674	261843
Bandwidth [kHz]:	200	Conducted Powers [dBm]				
Power Level	Modulation	Number of Tones	Start Tone Index			
DSI 0 (Phablet)	BPSK	1	0	20.18	20.32	20.17
		1	5	20.49	20.63	20.54
		1	11	20.26	20.49	20.35
		6	0	20.15	20.31	20.19
		6	3	20.43	20.72	20.52
		6	6	20.45	20.60	20.55
		12	0	20.16	20.38	20.15



2.7. WIFI Conducted Powers

Table 2-61

2.4 GHz WIFI Conducted Power [dBm] - SISO															
Power Level	Channel Bandwidth [MHz]	Mode		802.11b		802.11g		802.11n		802.11ac		802.11ax		802.11be	
		Ch.	Freq. [MHz]	G	I	G	I	G	I	G	I	G	I	G	I
DSI 0 (Body-worn/Hotspot/Phablet)	22 (802.11b)/ 20 (802.11g/n/ac/ax/be)	1	2412	17.28	17.41	17.20	17.14	17.09	17.08	17.11	17.02	15.33	15.20	15.35	15.25
		6	2437	17.40	17.30	16.96	17.15	16.99	17.18	17.05	17.16	15.21	15.21	15.54	15.41
		11	2462	17.36	17.42	17.02	17.21	16.97	17.17	17.02	17.22	15.20	15.35	15.32	15.36
DSI 1 (Head)	22 (802.11b)/ 20 (802.11g/n/ac/ax/be)	1	2412	13.13	13.10	13.12	13.01	13.11	13.09	13.15	13.10	13.22	13.16	13.21	13.23
		6	2437	13.23	13.37	13.13	13.07	13.16	13.41	13.13	13.44	13.20	13.45	13.28	13.63
		11	2462	13.21	13.36	13.09	13.32	13.10	13.23	13.10	13.42	13.21	13.32	13.31	13.51

Table 2-62

2.4 GHz WIFI Conducted Power [dBm] - SISO in MIMO																	
Power Level	Mode		802.11g			802.11n			802.11ac			802.11ax			802.11be		
	Ch.	Freq. [MHz]	G	I	MIMO	G	I	MIMO	G	I	MIMO	G	I	MIMO	G	I	MIMO
DSI 0 (Body-worn/Hotspot/Phablet)	1	2412	16.90	16.92	19.92	16.89	16.95	19.93	16.89	16.90	19.91	15.39	15.13	18.27	15.11	14.97	18.05
	6	2437	16.91	16.99	19.96	16.95	16.99	19.98	16.96	16.77	19.88	15.42	15.36	18.40	15.03	15.45	18.26
	11	2462	16.95	16.94	19.96	16.91	17.01	19.97	16.88	17.05	19.98	15.34	15.33	18.35	15.23	15.17	18.21
DSI 1 (Head)	1	2412	13.01	13.00	16.01	13.05	13.04	16.06	13.21	13.10	16.17	13.42	13.22	16.33	13.29	13.21	16.26
	6	2437	13.19	13.25	16.23	13.04	13.23	16.15	13.10	13.37	16.25	13.43	13.42	16.44	13.29	13.52	16.42
	11	2462	13.03	13.17	16.11	13.02	13.05	16.05	13.02	13.41	16.23	13.35	13.41	16.39	13.22	13.35	16.30

Table 2-63

5 GHz WIFI Conducted Power [dBm] - SISO										
Power Level	Channel Bandwidth [MHz]	Band	Mode		802.11ac		802.11ax		802.11be	
			Channel	Freq. [MHz]	G	E	G	E	G	E
DSI 0 (Body-worn/Hotspot/Phablet)	80	UNII-1	42	5210	14.00	14.30	14.01	13.92	14.37	14.22
		UNII-2A	58	5290	13.89	14.53	14.06	14.62	14.35	14.13
		UNII-2C	106	5530	14.25	14.53	13.90	14.11	14.42	14.36
		UNII-2C	122	5610	13.90	14.55	14.10	14.04	14.21	14.34
		UNII-2C	138	5690	14.27	14.23	14.37	13.84	14.02	14.43
		UNII-3	155	5775	14.12	14.39	14.13	14.04	14.04	14.57
		UNII-4	171	5855	14.43	14.42	14.42	14.15	14.41	14.47
DSI 1 (Head)	80	UNII-1	42	5210	11.96	11.81	12.17	11.97	12.21	11.99
		UNII-2A	58	5290	11.91	11.75	12.07	12.42	12.11	11.91
		UNII-2C	106	5530	11.59	11.36	11.84	11.99	11.88	12.03
		UNII-2C	122	5610	12.01	11.43	12.15	11.97	12.22	11.97
		UNII-2C	138	5690	12.02	11.41	12.19	12.18	12.23	12.19
		UNII-3	155	5775	11.96	11.60	12.09	12.07	12.27	12.12
		UNII-4	171	5855	11.47	11.68	12.28	12.18	12.33	12.23



Table 2-64

5 GHz WIFI Conducted Power [dBm] - SISO in MIMO mode												
Power Level	Channel Bandwidth [MHz]	Band	Mode		802.11ac			802.11ax			802.11be	
			Channel	Freq. [MHz]	G	E	MIMO	G	E	MIMO	G	E
DSI 0 (Body-worn/Hotspot/Phablet)	80	UNII-1	42	5210	14.16	14.02	17.10	14.33	13.98	17.17	14.32	14.01
		UNII-2A	58	5290	14.32	14.13	17.24	14.58	14.19	17.40	14.56	14.21
		UNII-2C	106	5530	14.30	14.22	17.27	14.42	14.24	17.34	14.43	14.22
		UNII-2C	122	5610	14.27	14.23	17.26	14.18	14.28	17.24	14.22	14.31
		UNII-2C	138	5690	14.39	13.97	17.20	14.51	13.94	17.24	14.53	13.93
		UNII-3	155	5775	14.28	14.18	17.24	14.55	14.22	17.40	14.56	14.23
		UNII-4	171	5855	14.26	14.06	17.17	14.48	14.11	17.31	14.44	14.13
DSI 1 (Head)	80	UNII-1	42	5210	11.49	11.90	14.71	12.18	12.56	15.38	12.21	12.61
		UNII-2A	58	5290	11.44	12.32	14.91	11.72	12.46	15.12	11.71	12.47
		UNII-2C	106	5530	11.14	11.98	14.59	11.86	12.56	15.23	11.84	12.54
		UNII-2C	122	5610	11.46	12.31	14.92	11.66	12.51	15.12	11.66	12.51
		UNII-2C	138	5690	11.38	11.63	14.52	12.23	12.26	15.26	12.22	12.21
		UNII-3	155	5775	11.88	11.91	14.91	12.22	12.23	15.24	12.13	12.14
		UNII-4	171	5855	11.46	11.61	14.55	12.29	12.24	15.28	12.31	12.25

Table 2-65

6.5 GHz WIFI Conducted Power [dBm] - SISO								
Power Level	Channel Bandwidth [MHz]	Band	Mode		802.11ax		802.11be	
			Channel	Freq. [MHz]	G	E	G	E
DSI 0 (Body-worn/Phablet)	80	UNII-5	7	5985	8.87	8.58	8.45	7.97
		UNII-5	55	6225	8.68	8.43	8.38	8.08
		UNII-6	103	6465	8.18	8.56	8.01	9.15
		UNII-7	151	6705	8.48	8.31	8.04	9.20
		UNII-8	215	7025	8.86	8.57	8.44	8.42
DSI 1 (Head)	80	UNII-5	7	5985	13.69	13.65	13.59	13.69
		UNII-5	55	6225	13.32	13.60	13.40	13.75
		UNII-6	103	6465	10.15	10.48	10.28	10.60
		UNII-7	151	6705	13.25	13.61	12.61	13.27
		UNII-8	215	7025	10.52	10.44	10.57	10.51



Table 2-66

6.5 GHz WIFI Conducted Power [dBm] - SISO								
Power Level	Channel Bandwidth [MHz]	Band	Mode		802.11ax		802.11be	
			Channel	Freq. [MHz]	G	E	G	E
DSI 0 VLP (Hotspot)	80	UNII-5	7	5985	5.82	5.74	5.87	5.84
		UNII-5	55	6225	5.48	5.73	5.47	5.83
		UNII-6	103	6465	5.45	5.65	5.54	5.67
		UNII-7	151	6705	5.46	5.41	5.50	5.44
		UNII-8	215	7025	5.67	5.43	5.73	5.51

Table 2-67

6.5 GHz WIFI Conducted Power [dBm] - SISO in MIMO mode										
Power Level	Channel Bandwidth [MHz]	Band	Mode		802.11ax			802.11be		
			Channel	Freq. [MHz]	G	E	MIMO	G	E	MIMO
DSI 0 (Body-worn/Phablet)	80	UNII-5	7	5985	8.67	8.88	11.79	9.04	8.45	11.77
		UNII-5	55	6225	8.13	8.87	11.53	8.37	8.60	11.50
		UNII-6	103	6465	7.58	9.13	11.43	7.85	9.50	11.76
		UNII-7	151	6705	7.51	8.97	11.31	7.38	8.97	11.26
		UNII-8	215	7025	8.18	8.42	11.31	7.81	9.05	11.48
DSI 1 (Head)	80	UNII-5	7	5985	13.28	13.25	16.28	13.00	13.27	16.15
		UNII-5	55	6225	12.74	13.68	16.25	12.37	13.79	16.15
		UNII-6	103	6465	9.65	10.98	13.38	8.90	10.61	12.85
		UNII-7	151	6705	12.74	13.27	16.02	12.65	13.35	16.02
		UNII-8	215	7025	10.47	10.44	13.47	10.56	10.49	13.54

Table 2-68

6.5 GHz WIFI Conducted Power [dBm] - SISO in MIMO mode										
Power Level	Channel Bandwidth [MHz]	Band	Mode		802.11ax			802.11be		
			Channel	Freq. [MHz]	G	E	MIMO	G	E	MIMO
DSI 0 VLP (Hotspot)	80	UNII-5	7	5985	5.81	5.89	8.86	5.84	5.82	8.84
		UNII-5	55	6225	5.52	5.91	8.73	5.88	5.86	8.88
		UNII-6	103	6465	5.06	5.75	8.43	5.11	5.73	8.44
		UNII-7	151	6705	5.52	5.51	8.53	5.48	5.45	8.48
		UNII-8	215	7025	5.7	5.45	8.59	5.72	5.53	8.64



2.8. Bluetooth Conducted Powers

Table 2-69

2.4 GHz Bluetooth LE Conducted Power [dBm] - SISO				
Power Level/Mode	Channel	Freq [MHz]	G	I
Pmax (Body-worn/Hotspot/Phablet) / BLE	37	2402	14.71	14.732
	17	2440	15.03	15.37
	39	2480	15.01	15.00
DSI 1 (Head) / BLE	37	2402	13.94	13.88
	17	2440	13.96	13.85
	39	2480	13.93	12.42

Table 2-70

2.4 GHz Bluetooth LE Conducted Power [dBm] - MIMO					
Power Level/Mode	Channel	Freq [MHz]	G	I	MIMO
Pmax (Body-worn/Hotspot/Phablet) / BLE	37	2402	10.86	10.34	13.62
	17	2440	10.97	10.58	13.79
	39	2480	11.02	10.62	13.83
DSI 1 (Head) / BLE	37	2402	10.64	11	13.83
	17	2440	10.65	10.9	13.79
	39	2480	10.63	10.97	13.81

Table 2-71

2.4 GHz Bluetooth Conducted Power [dBm] - MIMO					
Power Level/Mode	Channel	Freq [MHz]	G	I	MIMO
Pmax (Body-worn/Hotspot/Phablet) / Bluetooth	0	2402	12.17	11.64	14.92
	39	2441	12.77	12.54	15.67
	78	2480	11.33	10.17	13.80

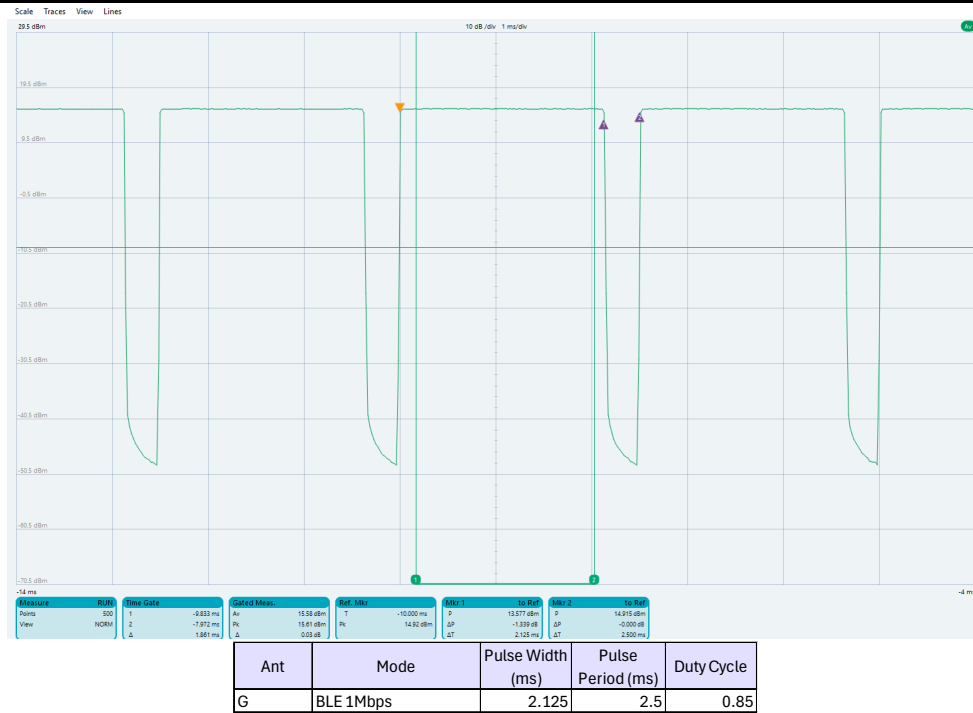


Figure 2-3 2.4 GHz Bluetooth LE Ant G Duty Cycle Plot and Calculation

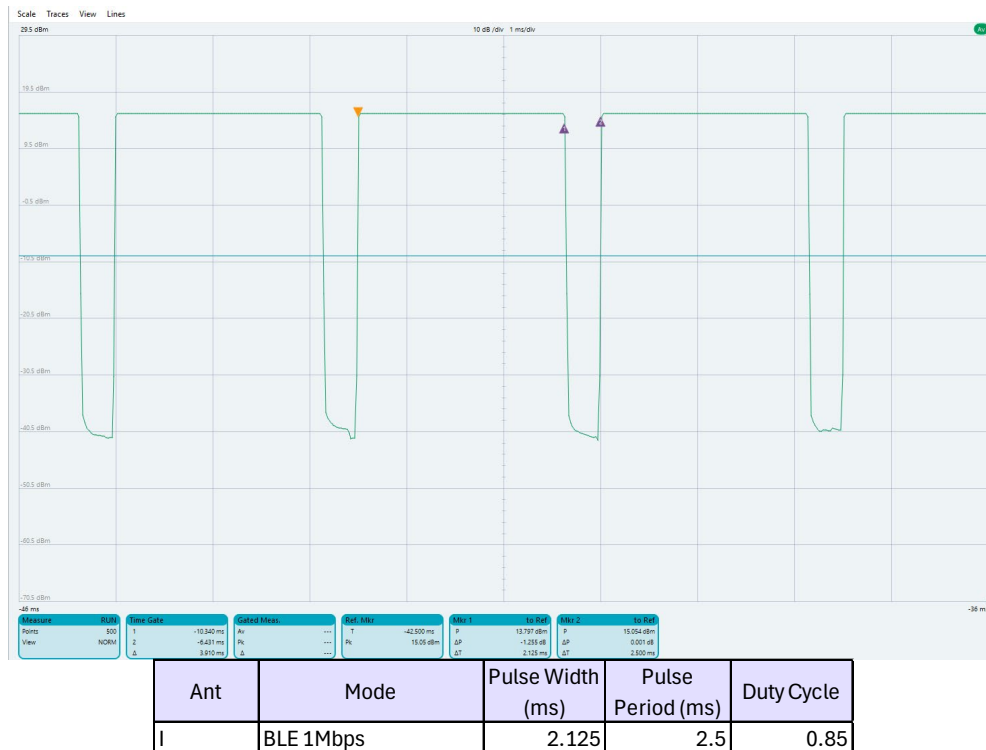


Figure 2-4 2.4 GHz Bluetooth LE Ant I Duty Cycle Plot and Calculation

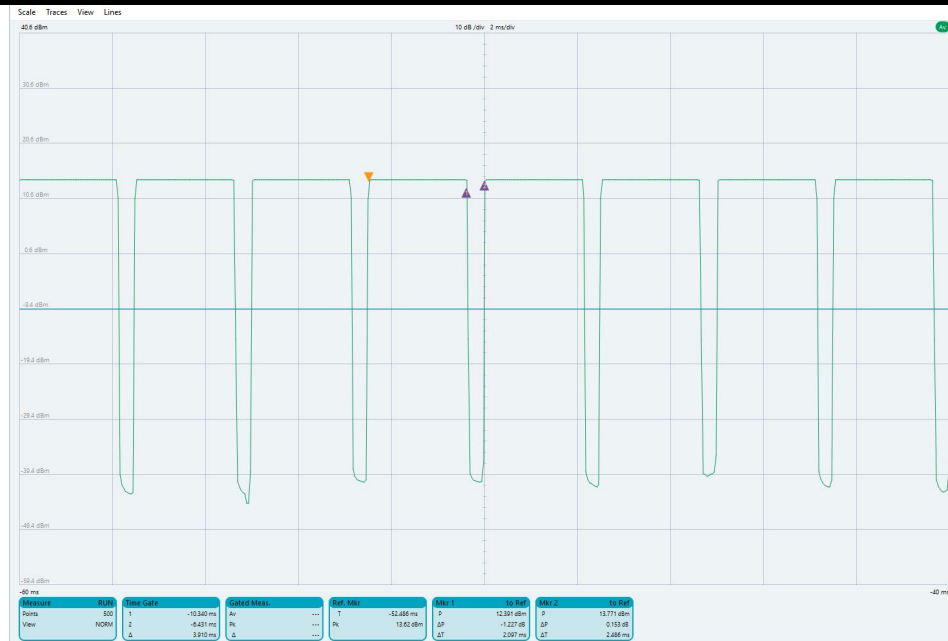


Figure 2-5 2.4 GHz Bluetooth LE MIMO (G&I) Duty Cycle Plot and Calculation



Figure 2-6 2.4 GHz Bluetooth MIMO (G&I) Duty Cycle Plot and Calculation



3. DUT Test Results

3.1. GSM SAR Data

Table 3-1

Exposure Condition	Band/Mode	Antenna	Additional Information	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg Plimit [dBm]	PartD Overall Frame Avg Plimit [dBm]
Head	GSM 850	A	-	0154M	-0.05	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	33.50	32.12	0	Right Cheek	0.139	0.191	0.299	-	31.48	31.48
Head	GSM 850	A	-	0154M	-0.13	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	33.50	32.12	0	Right Tilt	0.070	0.096	0.151	-	34.46	
Head	GSM 850	A	-	0154M	0.01	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	33.50	32.12	0	Left Cheek	0.134	0.186	0.288	-	31.64	
Head	GSM 850	A	-	0154M	0.08	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	33.50	32.12	0	Left Tilt	0.070	0.096	0.151	-	34.46	
Body-worn	GSM 850	A	-	0125M	-0.02	12.0%	12.0%	824.2	128	GSM, 1 Tx Slot	33.50	31.72	5	Back	0.556	0.838	0.838	-	25.06	
Body-worn	GSM 850	A	-	0125M	0.03	12.0%	12.0%	836.6	190	GSM, 1 Tx Slot	33.50	31.90	5	Back	0.658	0.951	0.951	-	24.51	
Body-worn	GSM 850	A	-	0125M	-0.01	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	33.50	32.12	5	Back	0.729	1.002	1.002	2	24.29	
Body-worn	GSM 850	A	-	0154M	0.05	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	33.50	32.12	5	Front	0.243	0.334	0.334	-	29.06	
Hotspot	GSM 850	A	-	0125M	0.20	48.1%	48.1%	824.2	128	GPRS, 4 Tx Slots	28.50	27.05	5	Back	0.751	1.049	1.185	-	25.11	
Hotspot	GSM 850	A	-	0125M	0.20	48.1%	48.1%	836.6	190	GPRS, 4 Tx Slots	28.50	27.00	5	Back	0.677	0.956	1.080	-	25.51	
Hotspot	GSM 850	A	-	0125M	0.20	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	28.50	27.47	5	Back	0.899	1.140	1.288	3	24.75	
Hotspot	GSM 850	A	Variability	0125M	-0.06	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	28.50	27.47	5	Back	0.844	1.070	1.209	-	25.02	24.29
Hotspot	GSM 850	A	-	0125M	0.00	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	28.50	27.47	5	Front	0.485	0.615	0.695	-	27.43	
Hotspot	GSM 850	A	-	0125M	0.06	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	28.50	27.47	10	Bottom	0.120	0.152	0.172	-	33.49	
Hotspot	GSM 850	A	-	0125M	-0.12	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	28.50	27.47	10	Right	0.335	0.425	0.480	-	29.03	
Hotspot	GSM 850	A	-	0125M	0.20	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	28.50	27.47	10	Left	0.207	0.262	0.296	-	31.12	
Head	GSM 850	E	-	0144M	0.13	12.0%	12.0%	824.2	128	GSM, 1 Tx Slot	31.00	29.80	0	Right Cheek	0.414	0.546	0.617	-	24.42	
Head	GSM 850	E	-	0144M	0.02	12.0%	12.0%	824.2	128	GSM, 1 Tx Slot	31.00	29.80	0	Right Tilt	0.363	0.479	0.541	-	24.99	
Head	GSM 850	E	-	0144M	0.08	12.0%	12.0%	824.2	128	GSM, 1 Tx Slot	31.00	29.80	0	Left Cheek	0.422	0.820	0.927	-	22.66	
Head	GSM 850	E	-	0144M	0.01	12.0%	12.0%	836.6	190	GSM, 1 Tx Slot	31.00	29.40	0	Left Cheek	0.704	1.018	1.150	1	21.72	
Head	GSM 850	E	-	0144M	0.02	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	31.00	29.76	0	Left Cheek	0.642	0.854	0.965	-	22.48	
Head	GSM 850	E	-	0144M	0.02	12.0%	12.0%	824.2	128	GSM, 1 Tx Slot	31.00	29.80	0	Left Tilt	0.544	0.717	0.810	-	23.24	
Body-worn	GSM 850	E	-	0390M	-0.04	12.0%	12.0%	824.2	128	GSM, 1 Tx Slot	31.00	29.80	5	Back	0.557	0.734	0.829	-	23.14	22.82
Body-worn	GSM 850	E	-	0390M	0.01	12.0%	12.0%	824.2	128	GSM, 1 Tx Slot	31.00	29.80	5	Front	0.449	0.582	0.669	-	24.07	
Hotspot	GSM 850	E	-	0390M	0.04	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	25.00	24.15	5	Back	0.653	0.794	0.897	-	22.82	
Hotspot	GSM 850	E	-	0055M	-0.02	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	25.00	24.15	5	Front	0.379	0.461	0.521	-	25.18	
Hotspot	GSM 850	E	-	0055M	0.05	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	25.00	24.15	10	Top	0.135	0.164	0.185	-	29.66	
Hotspot	GSM 850	E	-	0055M	-0.06	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	25.00	24.15	10	Right	0.138	0.168	0.190	-	29.57	

Table 3-2

Exposure Condition	Band/Mode	Antenna	Additional Information	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg Plimit [dBm]	PartD Overall Frame Avg Plimit [dBm]
Head	GSM 1900	A	-	0084M	0.14	12.0%	12.0%	1909.8	810	GSM, 1 Tx Slot	30.50	29.90	0	Right Cheek	0.037	0.042	0.165	-	35.01	32.43
Head	GSM 1900	A	-	0084M	0.14	12.0%	12.0%	1909.8	810	GSM, 1 Tx Slot	30.50	29.90	0	Right Tilt	0.023	0.026	0.103	-	37.08	
Head	GSM 1900	A	-	0084M	0.04	12.0%	12.0%	1909.8	810	GSM, 1 Tx Slot	30.50	29.90	0	Left Cheek	0.067	0.077	0.299	4	32.43	
Head	GSM 1900	A	-	0084M	0.01	12.0%	12.0%	1909.8	810	GSM, 1 Tx Slot	30.50	29.90	0	Left Tilt	0.023	0.026	0.103	-	37.08	
Body-worn	GSM 1900	A	-	0084M	-0.01	12.0%	12.0%	1850.2	512	GSM, 1 Tx Slot	29.00	27.77	5	Back	0.904	1.200	1.356	5	19.00	
Body-worn	GSM 1900	A	Variability	0084M	-0.09	12.0%	12.0%	1850.2	512	GSM, 1 Tx Slot	29.00	27.77	5	Back	0.864	1.147	1.296	-	19.20	
Body-worn	GSM 1900	A	With Headset	0084M	0.05	12.0%	12.0%	1850.2	512	GSM, 1 Tx Slot	29.00	27.77	5	Back	0.798	1.059	1.197	-	19.54	
Body-worn	GSM 1900	A	-	0084M	-0.01	12.0%	12.0%	1880	661	GSM, 1 Tx Slot	29.00	28.09	5	Back	0.822	1.011	1.146	-	19.74	
Body-worn	GSM 1900	A	-	0084M	0.02	12.0%	12.0%	1909.8	810	GSM, 1 Tx Slot	29.00	28.55	5	Back	0.845	0.937	1.059	-	20.08	
Body-worn	GSM 1900	A	-	0084M	-0.01	12.0%	12.0%	1850.2	512	GSM, 1 Tx Slot	29.00	27.77	5	Front	0.729	0.968	1.094	-	19.94	
Body-worn	GSM 1900	A	-	0084M	-0.01	12.0%	12.0%	1880	661	GSM, 1 Tx Slot	29.00	28.09	5	Front	0.755	0.931	1.052	-	20.10	
Body-worn	GSM 1900	A	-	0084M	-0.01	12.0%	12.0%	1909.8	810	GSM, 1 Tx Slot	29.00	28.55	5	Front	0.807	0.895	1.011	-	20.28	19.00
Hotspot	GSM 1900	A	-	0084M	-0.05	48.1%	48.1%	1850.2	512	GPRS, 4 Tx Slots	23.00	21.38	5	Back	0.733	1.064	1.202	-	19.54	
Hotspot	GSM 1900	A	-	0084M	-0.06	48.1%	48.1%	1880	661	GPRS, 4 Tx Slots	23.00	21.68	5	Back	0.789	1.042	1.177	-	19.64	
Hotspot	GSM 1900	A	-	0084M	-0.11	48.1%	48.1%	1909.8	810	GPRS, 4 Tx Slots	23.00	21.60	5	Back	0.689	0.951	1.075	-	20.03	
Hotspot	GSM 1900	A	-	0084M	-0.06	48.1%	48.1%	1850.2	512	GPRS, 4 Tx Slots	23.00	21.38	5	Front	0.795	1.154	1.304	-	19.19	
Hotspot	GSM 1900	A	-	0084M	-0.06	48.1%	48.1%	1880	661	GPRS, 4 Tx Slots	23.00	21.68	5	Front	0.744	1.008	1.139	-	19.78	
Hotspot	GSM 1900	A	-	0084M	-0.03	48.1%	48.1%	1909.8	810	GPRS, 4 Tx Slots	23.00	21.60	5	Front	0.804	1.110	1.254	6	19.36	
Hotspot	GSM 1900	A	-	0084M	-0.03	48.1%	48.1%	1850.2	512	GPRS, 4 Tx Slots	23.00	21.38	10	Bottom	0.689	1.003	1.131	-	19.81	
Hotspot	GSM 1900	A	-	0084M	0.19	48.1%	48.1%	1880	661	GPRS, 4 Tx Slots	23.00	21.68	10	Bottom	0.663	0.898	1.015	-	20.28	
Hotspot	GSM 1900	A	-	0084M	-0.13	48.1%	48.1%	1909.8	810	GPRS, 4 Tx Slots	23.00	21.60	10	Bottom	0.733	1.012	1.144	-	19.76	
Hotspot	GSM 1900	A	-	0084M	0.19	48.1%	48.1%	1880	661	GPRS, 4 Tx Slots	23.00	21.68	10	Right	0.057	0.077	0.087	-	30.94	
Hotspot	GSM 1900	A	-	0084M	0.19	48.1%	48.1%	1880	661	GPRS, 4 Tx Slots	23.00	21.68	10	Left	0.071	0.096	0.108	-	29.98	



3.2. UMTS SAR Data

Table 3-3

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg Plimit [dBm]	Part0 Overall Frame Avg Plimit [dBm]
Head	UMTS Band 5	A	0084M	-0.03	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	0	Right Cheek	0.216	0.268	0.300	-	30.72	30.72
Head	UMTS Band 5	A	0084M	0.00	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	0	Right Tilt	0.132	0.151	0.169	-	33.20	
Head	UMTS Band 5	A	0084M	0.01	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	0	Left Cheek	0.206	0.255	0.285	-	30.93	
Head	UMTS Band 5	A	0084M	0.00	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	0	Left Tilt	0.115	0.142	0.159	-	33.46	
Body-worn/Hotspot	UMTS Band 5	A	0144M	0.02	100.0%	100.0%	826.4	4132	RMC	25.00	23.85	5	Back	0.627	0.817	0.817	-	25.87	24.88
Body-worn/Hotspot	UMTS Band 5	A	0144M	-0.01	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	5	Back	0.761	0.943	0.943	-	25.25	
Body-worn/Hotspot	UMTS Band 5	A	0144M	-0.01	100.0%	100.0%	846.6	4233	RMC	25.00	23.76	5	Back	0.772	1.027	1.027	8	24.88	
Body-worn/Hotspot	UMTS Band 5	A	0084M	-0.02	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	5	Front	0.481	0.596	0.596	-	27.24	
Hotspot	UMTS Band 5	A	0084M	0.01	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	10	Bottom	0.092	0.114	0.114	-	34.43	24.88
Hotspot	UMTS Band 5	A	0084M	0.02	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	10	Right	0.301	0.373	0.373	-	29.28	
Hotspot	UMTS Band 5	A	0084M	0.01	100.0%	100.0%	836.6	4183	RMC	25.00	24.07	10	Left	0.225	0.279	0.279	-	30.54	
Head	UMTS Band 5	E	0055M	0.00	100.0%	100.0%	826.4	4132	RMC	21.00	19.80	0	Right Cheek	0.571	0.753	0.851	-	22.23	
Head	UMTS Band 5	E	0055M	-0.01	100.0%	100.0%	836.6	4183	RMC	21.00	19.98	0	Right Cheek	0.605	0.765	0.864	-	22.16	21.06
Head	UMTS Band 5	E	0055M	0.00	100.0%	100.0%	846.6	4233	RMC	21.00	19.80	0	Right Cheek	0.608	0.802	0.906	-	21.96	
Head	UMTS Band 5	E	0055M	-0.02	100.0%	100.0%	836.6	4183	RMC	21.00	19.98	0	Right Tilt	0.501	0.634	0.716	-	22.98	
Head	UMTS Band 5	E	0055M	0.05	100.0%	100.0%	826.4	4132	RMC	21.00	19.80	0	Left Cheek	0.695	0.916	1.035	-	21.38	
Head	UMTS Band 5	E	0055M	0.04	100.0%	100.0%	836.6	4183	RMC	21.00	19.98	0	Left Cheek	0.768	0.971	1.097	7	21.12	21.06
Head	UMTS Band 5	E	0055M	0.04	100.0%	100.0%	846.6	4233	RMC	21.00	19.80	0	Left Cheek	0.747	0.985	1.113	-	21.06	
Head	UMTS Band 5	E	0055M	0.08	100.0%	100.0%	826.4	4132	RMC	21.00	19.80	0	Left Tilt	0.583	0.769	0.869	-	22.14	
Head	UMTS Band 5	E	0055M	0.06	100.0%	100.0%	836.6	4183	RMC	21.00	19.98	0	Left Tilt	0.814	0.920	1.020	-	21.89	
Head	UMTS Band 5	E	0055M	0.03	100.0%	100.0%	846.6	4233	RMC	21.00	19.80	0	Left Tilt	0.648	0.854	0.965	-	21.68	22.32
Body-worn/Hotspot	UMTS Band 5	E	0154M	0.01	100.0%	100.0%	826.4	4132	RMC	22.50	21.07	5	Back	0.641	0.891	1.007	-	23.00	
Body-worn/Hotspot	UMTS Band 5	E	0154M	0.01	100.0%	100.0%	836.6	4183	RMC	22.50	21.10	5	Back	0.743	1.026	1.159	-	22.39	
Body-worn/Hotspot	UMTS Band 5	E	0154M	-0.01	100.0%	100.0%	846.6	4233	RMC	22.50	21.09	5	Back	0.752	1.040	1.175	-	22.32	
Body-worn/Hotspot	UMTS Band 5	E	0154M	-0.02	100.0%	100.0%	836.6	4183	RMC	22.50	21.10	5	Front	0.557	0.769	0.869	-	23.64	22.32
Hotspot	UMTS Band 5	E	0022M	0.00	100.0%	100.0%	836.6	4183	RMC	22.50	21.10	10	Top	0.345	0.476	0.538	-	25.72	
Hotspot	UMTS Band 5	E	0022M	-0.02	100.0%	100.0%	836.6	4183	RMC	22.50	21.10	10	Right	0.316	0.436	0.493	-	26.10	

Table 3-4

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg Plimit [dBm]	Part0 Overall Frame Avg Plimit [dBm]
Head	UMTS Band 4	A	0022M	-0.07	100.0%	100.0%	1732.4	1412	RMC	24.00	22.27	0	Right Cheek	0.086	0.128	0.142	-	32.92	29.69
Head	UMTS Band 4	A	0022M	-0.11	100.0%	100.0%	1732.4	1412	RMC	24.00	22.27	0	Right Tilt	0.068	0.101	0.113	-	33.94	
Head	UMTS Band 4	A	0022M	-0.04	100.0%	100.0%	1732.4	1412	RMC	24.00	22.27	0	Left Cheek	0.181	0.270	0.300	9	29.69	
Head	UMTS Band 4	A	0022M	0.07	100.0%	100.0%	1732.4	1412	RMC	24.00	22.27	0	Left Tilt	0.035	0.052	0.058	-	36.82	
Body-worn/Hotspot	UMTS Band 4	A	0153M	0.00	100.0%	100.0%	1712.4	1312	RMC	17.00	15.10	5	Back	0.598	0.926	1.046	10	17.33	17.33
Body-worn/Hotspot	UMTS Band 4	A	0153M	0.00	100.0%	100.0%	1732.4	1412	RMC	17.00	15.00	5	Back	0.556	0.881	0.996	-	17.54	
Body-worn/Hotspot	UMTS Band 4	A	0153M	-0.02	100.0%	100.0%	1752.6	1513	RMC	17.00	15.01	5	Back	0.561	0.887	1.002	-	17.52	
Body-worn/Hotspot	UMTS Band 4	A	0153M	-0.02	100.0%	100.0%	1712.4	1312	RMC	17.00	15.10	5	Front	0.563	0.872	0.985	-	17.59	
Body-worn/Hotspot	UMTS Band 4	A	0153M	-0.02	100.0%	100.0%	1732.4	1412	RMC	17.00	15.00	5	Front	0.536	0.850	0.961	-	17.70	17.33
Body-worn/Hotspot	UMTS Band 4	A	0153M	-0.04	100.0%	100.0%	1752.6	1513	RMC	17.00	15.01	5	Front	0.560	0.885	1.000	-	17.52	
Hotspot	UMTS Band 4	A	0153M	0.01	100.0%	100.0%	1712.4	1312	RMC	17.00	15.10	10	Bottom	0.436	0.675	0.763	-	18.70	
Hotspot	UMTS Band 4	A	0022M	-0.08	100.0%	100.0%	1712.4	1312	RMC	17.00	15.10	10	Right	0.055	0.085	0.096	-	27.69	
Hotspot	UMTS Band 4	A	0022M	-0.04	100.0%	100.0%	1712.4	1312	RMC	17.00	15.10	10	Left	0.105	0.163	0.184	-	24.88	

Table 3-5

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg Plimit [dBm]	Part0 Overall Frame Avg Plimit [dBm]
Head	UMTS Band 2	A	0084M	-0.08	100.0%	100.0%	1907.6	9538	RMC	24.00	22.47	0	Right Cheek	0.092	0.131	0.195	-	32.83	30.97
Head	UMTS Band 2	A	0084M	-0.13	100.0%	100.0%	1907.6	9538	RMC	24.00	22.47	0	Right Tilt	0.076	0.108	0.161	-	33.66	
Head	UMTS Band 2	A	0084M	0.09	100.0%	100.0%	1907.6	9538	RMC	24.00	22.47	0	Left Cheek	0.141	0.201	0.299	11	30.97	
Head	UMTS Band 2	A	0084M	0.13	100.0%	100.0%	1907.6	9538	RMC	24.00	22.47	0	Left Tilt	0.047	0.067	0.100	-	35.74	
Body-worn/Hotspot	UMTS Band 2	A	0125M	0.01	100.0%	100.0%	1852.4	9262	RMC	18.00	16.55	5	Back	0.676	0.944	1.067	12	18.25	18.25
Body-worn/Hotspot	UMTS Band 2	A	0125M	-0.06	100.0%	100.0%	1880	9400	RMC	18.00	16.04	5	Back	0.546	0.857	0.968	-	18.66	
Body-worn/Hotspot	UMTS Band 2	A	0125M	-0.07	100.0%	100.0%	1907.6	9538	RMC	18.00	16.25	5	Back	0.549	0.821	0.928	-	18.85	
Body-worn/Hotspot	UMTS Band 2	A	0153M	-0.02	100.0%	100.0%	1852.4	9262	RMC	18.00	16.55	5	Front	0.607	0.848	0.958	-	18.71	
Body-worn/Hotspot	UMTS Band 2	A	0153M	0.00	100.0%	100.0%	1880	9400	RMC	18.00	16.04	5	Front	0.565	0.887	1.002	-	18.51	18.25
Body-worn/Hotspot	UMTS Band 2	A	0153M	-0.03	100.0%	100.0%	1907.6	9538	RMC	18.00	16.25	5	Front	0.581	0.869	0.982	-	18.60	
Hotspot	UMTS Band 2	A	0153M	-0.02	100.0%	100.0%	1852.4	9262	RMC	18.00	16.55	10	Bottom	0.620	0.866	0.979	-	18.62	
Hotspot	UMTS Band 2	A	0153M	0.03	100.0%	100.0%	1880	9400	RMC	18.00	16.04	10	Bottom	0.574	0.901	1.018	-	18.45	
Hotspot	UMTS Band 2	A	0153M	-0.01	100.0%	100.0%	1907.6	9538	RMC	18.00	16.25	10	Bottom	0.614	0.919	1.038	-	18.36	18.25
Hotspot	UMTS Band 2	A	0022M	-0.05	100.0%	100.0%	1852.4	9262	RMC	18.00	16.55	10	Right	0.062	0.087	0.098	-	28.62	
Hotspot	UMTS Band 2	A	0022M	0.02	100.0%	100.0%	1852.4	9262	RMC	18.00	16.55	10	Left	0.087	0.121	0.137	-	27.15	



3.3. LTE SAR Data

Table 3-6

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift (dB)	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPE (dB)	Separation Distance (mm)	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg P1mit (dBm)	Part0 Overall Frame Avg P1mit (dBm)
Head	LTE Band 71	A	0084M	-0.09	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	25.00	23.24	0	0	Right Cheek	0.114	0.171	0.273	-	32.67	32.27
Head	LTE Band 71	A	0084M	0.04	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	0	24.00	22.30	1	0	Right Cheek	0.095	0.141	0.283	-	32.52	
Head	LTE Band 71	A	0084M	-0.01	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	25.00	23.24	0	0	Right Tilt	0.057	0.085	0.137	-	35.68	
Head	LTE Band 71	A	0084M	-0.01	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	0	24.00	22.30	1	0	Right Tilt	0.042	0.062	0.125	-	36.06	
Head	LTE Band 71	A	0084M	-0.05	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	25.00	23.24	0	0	Left Cheek	0.125	0.187	0.300	-	32.27	
Head	LTE Band 71	A	0084M	-0.05	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	0	24.00	22.30	1	0	Left Cheek	0.096	0.142	0.286	-	32.47	
Head	LTE Band 71	A	0084M	-0.04	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	25.00	23.24	0	0	Left Tilt	0.056	0.084	0.134	-	35.75	
Head	LTE Band 71	A	0084M	-0.17	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	0	24.00	22.30	1	0	Left Tilt	0.040	0.059	0.119	-	36.27	
Body-worn/Hotspot	LTE Band 71	A	0084M	-0.12	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	0	24.00	22.99	0	5	Back	0.387	0.488	0.551	-	27.11	
Body-worn/Hotspot	LTE Band 71	A	0084M	0.01	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	24.00	23.03	0	5	Back	0.420	0.525	0.593	-	26.79	
Body-worn/Hotspot	LTE Band 71	A	0084M	0.02	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	0	24.00	22.99	0	5	Front	0.219	0.276	0.312	-	29.58	
Body-worn/Hotspot	LTE Band 71	A	0084M	0.05	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	24.00	23.03	0	5	Front	0.239	0.299	0.338	-	29.24	
Hotspot	LTE Band 71	A	0084M	0.10	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	0	24.00	22.99	0	10	Bottom	0.034	0.043	0.049	-	37.67	26.79
Hotspot	LTE Band 71	A	0084M	-0.03	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	24.00	23.03	0	10	Bottom	0.033	0.041	0.046	-	37.84	
Hotspot	LTE Band 71	A	0084M	0.04	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	0	24.00	22.99	0	10	Right	0.090	0.114	0.129	-	33.44	
Hotspot	LTE Band 71	A	0084M	-0.04	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	24.00	23.03	0	10	Right	0.101	0.126	0.142	-	32.98	
Hotspot	LTE Band 71	A	0084M	-0.01	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	0	24.00	22.99	0	10	Left	0.181	0.228	0.258	-	30.41	
Hotspot	LTE Band 71	A	0084M	0.01	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	24.00	23.03	0	10	Left	0.194	0.243	0.275	-	30.15	
Head	LTE Band 71	E	0055M	-0.03	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	20.00	19.03	0	0	Right Cheek	0.369	0.461	0.521	-	23.35	
Head	LTE Band 71	E	0055M	0.05	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	20.00	19.03	0	0	Right Cheek	0.371	0.464	0.524	-	23.33	
Head	LTE Band 71	E	0055M	-0.01	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	20.00	19.03	0	0	Right Tilt	0.305	0.375	0.424	-	24.25	
Head	LTE Band 71	E	0055M	-0.01	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	20.00	19.03	0	0	Right Tilt	0.306	0.383	0.433	-	24.17	
Head	LTE Band 71	E	0055M	0.04	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	20.00	19.03	0	0	Left Cheek	0.493	0.616	0.696	-	22.10	
Head	LTE Band 71	E	0055M	-0.02	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	20.00	19.03	0	0	Left Cheek	0.502	0.628	0.710	13	22.02	
Head	LTE Band 71	E	0055M	0.06	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	20.00	19.03	0	0	Left Tilt	0.429	0.536	0.606	-	22.70	23.30
Head	LTE Band 71	E	0055M	-0.02	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	20.00	19.03	0	0	Top	0.176	0.217	0.245	-	28.64	
Body-worn/Hotspot	LTE Band 71	E	0055M	-0.08	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	22.00	21.10	0	5	Back	0.594	0.731	0.826	14	23.36	
Body-worn/Hotspot	LTE Band 71	E	0055M	-0.10	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	22.00	21.04	0	5	Back	0.594	0.741	0.837	-	23.30	
Body-worn/Hotspot	LTE Band 71	E	0055M	-0.07	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	22.00	21.10	0	5	Front	0.427	0.525	0.593	-	24.79	
Body-worn/Hotspot	LTE Band 71	E	0055M	-0.02	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	22.00	21.04	0	5	Front	0.429	0.535	0.605	-	24.71	
Hotspot	LTE Band 71	E	0055M	-0.02	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	22.00	21.04	0	10	Top	0.175	0.218	0.245	-	28.60	
Hotspot	LTE Band 71	E	0055M	-0.02	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	22.00	21.04	0	10	Top	0.175	0.218	0.245	-	28.60	
Hotspot	LTE Band 71	E	0055M	-0.04	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	1	50	22.00	21.10	0	10	Right	0.192	0.236	0.267	-	28.26	
Hotspot	LTE Band 71	E	0055M	0.01	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	22.00	21.04	0	10	Right	0.193	0.241	0.272	-	28.18	

Table 3-7

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPE [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg P1mit [dBm]	Part0 Overall Frame Avg P1mit [dBm]
Head	LTE Band 12	A	0084M	0.04	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	0	Right Cheek	0.121	0.154	0.243	-	33.11	32.20
Head	LTE Band 12	A	0084M	0.00	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	0	Right Cheek	0.093	0.115	0.229	-	33.37	
Head	LTE Band 12	A	0084M	0.07	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	0	Right Tilt	0.071	0.091	0.143	-	35.42	
Head	LTE Band 12	A	0084M	-0.07	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	0	Right Tilt	0.059	0.073	0.145	-	35.35	
Head	LTE Band 12	A	0084M	0.08	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	0	Left Cheek	0.190	0.250	0.299	-	32.20	
Head	LTE Band 12	A	0084M	0.05	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	0	Left Cheek	0.114	0.142	0.280	-	32.49	
Head	LTE Band 12	A	0084M	-0.09	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	0	Left Tilt	0.083	0.106	0.167	-	34.74	
Head	LTE Band 12	A	0084M	0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	0	Left Tilt	0.067	0.083	0.165	-	34.79	
Body-worn/Hotspot	LTE Band 12	A	0084M	-0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	5	Back	0.488	0.623	0.990	-	27.05	
Body-worn/Hotspot	LTE Band 12	A	0084M	0.00	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	5	Back	0.402	0.499	0.998	-	27.01	
Body-worn/Hotspot	LTE Band 12	A	0084M	0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	5	Front	0.280	0.357	0.568	-	29.46	
Body-worn/Hotspot	LTE Band 12	A	0084M	-0.02	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	5	Front	0.221	0.274	0.549	-	29.61	
Hotspot	LTE Band 12	A	0084M	-0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	10	Bottom	0.043	0.055	0.087	-	37.60	27.01
Hotspot	LTE Band 12	A	0084M	0.10	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	10	Bottom	0.032	0.040	0.079	-	38.00	
Hotspot	LTE Band 12	A	0084M	0.05	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	10	Right	0.155	0.198	0.314	-	32.03	
Hotspot	LTE Band 12	A	0084M	-0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	10	Right	0.113	0.140	0.281	-	32.52	
Hotspot	LTE Band 12	A	0084M	-0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	0	25.00	23.94	0	10	Left	0.258	0.329	0.523	-	29.82	
Hotspot	LTE Band 12	A	0084M	0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	24.00	23.06	1	10	Left	0.191	0.237	0.474	-	30.24	
Head	LTE Band 12	E	0055M	0.04	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	25	20.00	18.37	0	0	Right Cheek	0.510	0.742	0.838	-	21.29	
Head	LTE Band 12	E	0055M	0.04	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	12	20.00	18.38	0	0	Right Cheek	0.518	0.752	0.850	-	21.23	
Head	LTE Band 12	E	0055M	-0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	50	0	20.00	18.30	0	0	Right Cheek	0.538	0.796	0.899	-	20.99	
Head	LTE Band 12	E	0055M	0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	25	20.00	18.37	0	0	Right Tilt	0.442	0.643	0.727	-	21.91	
Head	LTE Band 12	E	0055M	-0.02	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	12	20.00	18.38	0	0	Right Tilt	0.455	0.661	0.747	-	21.79	
Head	LTE Band 12	E	0055M	-0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	25	20.00	18.37	0	0	Left Cheek	0.680	0.990	1.119	-	20.04	19.98
Head	LTE Band 12	E	0055M	0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	12	20.00	18.38	0	0	Left Cheek	0.691	1.003	1.133	15	19.98	
Head	LTE Band 12	E	0055M	0.02	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	50	0	20.00	18.30	0	0	Left Cheek	0.658	0.958	1.080	-	20.64	
Head	LTE Band 12	E	0055M	0.04	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	25	20.00	18.37	0	0	Left Tilt	0.531	0.773	0.873	-	21.11	
Head	LTE Band 12	E	0055M	0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	12	20.00	18.38	0	0	Left Tilt	0.535	0.777	0.878	-	21.09	
Head	LTE Band 12	E	0055M	0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	50	0	20.00	18.30	0	0	Left Tilt	0.527	0.779	0.880	-	21.08	
Body-worn/Hotspot	LTE Band 12	E	0055M	0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	25	22.00	20.41	0	5	Back	0.618	0.912	1.031	-	22.40	
Body-worn/Hotspot	LTE Band 12	E	0055M	0.00	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	12	22	22.00	20.44	0	5	Back	0.580	0.900	1.019	16	22.80	
Body-worn/Hotspot	LTE Band 12	E	0055M	0.00	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	50	0	22.00	20.27	0	5	Back	0.628	0.935	1.057	-	22.29	
Body-worn/Hotspot	LTE Band 12	E	0055M	0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	25	22.00	20.41	0	5	Front	0.400	0.590	0.667	-	24.28	
Body-worn/Hotspot	LTE Band 12	E	0055M	-0.02	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	12	22.00	20.44	0	5	Front	0.399	0.571	0.645	-	24.43	22.29
Hotspot	LTE Band 12	E	0055M	0.00	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	25	22.00	20.41	0	10	Top	0.186	0.274	0.310	-	27.61	
Hotspot	LTE Band 12	E	0055M	0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	12	22.00	20.44	0	10	Top	0.191	0.274	0.310	-	27.62	
Hotspot	LTE Band 12	E	0055M	0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	1	25	22.00	20.41	0	10	Right	0.176	0.276	0.312	-	27.58	
Hotspot	LTE Band 12	E	0055M	-0.07	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	12	22.00	20.44	0	10	Right	0.154	0.278	0.314	-	27.56	



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Table 3-8

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPR [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartID Frame Avg Plimit [dBm]	PartID Overall Frame Avg Plimit [dBm]
Head	LTE Band 13	A	0084M	-0.04	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	0	Right Cheek	0.165	0.235	0.269	-	31.29	30.82
Head	LTE Band 13	A	0084M	0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	0	Right Cheek	0.143	0.208	0.299	-	30.82	
Head	LTE Band 13	A	0084M	-0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	0	Right Tilt	0.077	0.110	0.125	-	34.60	
Head	LTE Band 13	A	0084M	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	0	Right Tilt	0.067	0.097	0.140	-	34.11	
Head	LTE Band 13	A	0084M	0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	0	Left Cheek	0.168	0.239	0.274	-	31.21	
Head	LTE Band 13	A	0084M	0.06	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	0	Left Cheek	0.135	0.196	0.283	-	31.07	
Head	LTE Band 13	A	0084M	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	0	Left Tilt	0.072	0.102	0.117	-	34.72	
Head	LTE Band 13	A	0084M	0.00	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	0	Left Tilt	0.061	0.089	0.128	-	34.52	
Body-worn/Hotspot	LTE Band 13	A	0084M	-0.03	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	5	Back	0.707	1.006	1.006	-	24.97	
Body-worn/Hotspot	LTE Band 13	A	0084M	0.05	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	5	Back	0.554	0.804	0.965	-	24.94	
Body-worn/Hotspot	LTE Band 13	A	0084M	-0.04	100.0%	100.0%	782	23230	QPSK - 10 MHz	50	0	24.00	22.26	1	5	Back	0.558	0.833	0.999	-	24.79	
Body-worn/Hotspot	LTE Band 13	A	0084M	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	5	Back	0.388	0.552	0.552	-	27.58	
Body-worn/Hotspot	LTE Band 13	A	0084M	-0.16	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	5	Front	0.356	0.517	0.620	-	26.86	
Hotspot	LTE Band 13	A	0084M	-0.05	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	10	Bottom	0.087	0.124	0.124	-	34.07	
Hotspot	LTE Band 13	A	0084M	0.10	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	10	Bottom	0.076	0.110	0.132	-	33.57	
Hotspot	LTE Band 13	A	0084M	0.03	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	10	Right	0.189	0.269	0.269	-	30.70	
Hotspot	LTE Band 13	A	0084M	0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	10	Right	0.163	0.237	0.284	-	30.25	
Hotspot	LTE Band 13	A	0084M	0.03	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	25.00	23.47	0	10	Left	0.205	0.292	0.292	-	30.35	
Hotspot	LTE Band 13	A	0084M	0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	24.00	22.38	1	10	Left	0.175	0.254	0.305	-	29.94	
Head	LTE Band 13	E	0055M	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	22.00	20.06	0	0	Right Cheek	0.502	0.785	0.887	-	23.05	
Head	LTE Band 13	E	0055M	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	22.00	20.07	0	0	Right Cheek	0.498	0.777	0.878	-	23.09	
Head	LTE Band 13	E	0055M	-0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	22.00	20.06	0	0	Right Tilt	0.437	0.683	0.772	-	23.65	
Head	LTE Band 13	E	0055M	0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	22.00	20.07	0	0	Right Tilt	0.439	0.685	0.774	-	23.64	
Head	LTE Band 13	E	0055M	0.09	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	22.00	20.06	0	0	Left Cheek	0.689	1.077	1.217	17	21.67	
Head	LTE Band 13	E	0055M	-0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	22.00	20.07	0	0	Left Cheek	0.683	1.065	1.203	-	21.72	
Head	LTE Band 13	E	0055M	-0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	50	0	22.00	20.04	0	0	Left Cheek	0.637	1.000	1.130	-	21.99	
Head	LTE Band 13	E	0055M	0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	22.00	20.06	0	0	Left Tilt	0.538	0.841	0.950	-	22.75	
Head	LTE Band 13	E	0055M	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	22.00	20.07	0	0	Left Tilt	0.528	0.823	0.930	-	22.84	
Head	LTE Band 13	E	0055M	-0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	50	0	22.00	20.04	0	0	Left Tilt	0.525	0.824	0.931	-	22.83	
Body-worn/Hotspot	LTE Band 13	E	0055M	-0.04	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	21.00	22.02	0	5	Back	0.758	0.950	1.074	18	23.22	
Body-worn/Hotspot	LTE Band 13	E	0055M	0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	21.00	22.01	0	5	Back	0.754	0.947	1.070	-	23.21	
Body-worn/Hotspot	LTE Band 13	E	0055M	0.03	100.0%	100.0%	782	23230	QPSK - 10 MHz	50	0	21.00	22.00	0	5	Back	0.757	0.953	1.077	-	23.20	
Body-worn/Hotspot	LTE Band 13	E	0055M	0.00	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	21.00	22.02	0	5	Front	0.652	0.817	0.923	-	23.87	
Body-worn/Hotspot	LTE Band 13	E	0055M	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	21.00	22.01	0	5	Front	0.643	0.808	0.913	-	23.92	
Body-worn/Hotspot	LTE Band 13	E	0055M	-0.01	100.0%	100.0%	782	23230	QPSK - 10 MHz	50	0	21.00	22.00	0	5	Front	0.692	0.871	0.984	-	23.59	
Hotspot	LTE Band 13	E	0055M	0.04	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	21.00	22.02	0	10	Top	0.267	0.335	0.379	-	27.25	
Hotspot	LTE Band 13	E	0055M	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	21.00	22.01	0	10	Top	0.262	0.329	0.372	-	27.82	
Hotspot	LTE Band 13	E	0055M	-0.03	100.0%	100.0%	782	23230	QPSK - 10 MHz	1	25	21.00	22.02	0	10	Right	0.373	0.467	0.528	-	26.30	
Hotspot	LTE Band 13	E	0055M	-0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	12	21.00	22.01	0	10	Right	0.369	0.463	0.523	-	26.33	

Table 3-9

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPR [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartID Frame Avg Plimit [dBm]	PartID Overall Frame Avg Plimit [dBm]
Head	LTE Band 14	A	0084M	-0.04	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	25.00	23.97	0	0	Right Cheek	0.164	0.208	0.300	-	31.82	31.82
Head	LTE Band 14	A	0084M	-0.04	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	0	24.00	23.02	1	0	Right Cheek	0.129	0.162	0.293	-	31.91	
Head	LTE Band 14	A	0084M	-0.05	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	25.00	23.97	0	0	Right Tilt	0.085	0.108	0.155	-	34.67	
Head	LTE Band 14	A	0084M	-0.06	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	0	24.00	23.02	1	0	Right Tilt	0.071	0.089	0.162	-	34.50	
Head	LTE Band 14	A	0084M	0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	25.00	23.97	0	0	Left Cheek	0.153	0.194	0.280	-	32.12	
Head	LTE Band 14	A	0084M	-0.05	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	0	24.00	23.02	1	0	Left Cheek	0.124	0.155	0.282	-	32.08	
Head	LTE Band 14	A	0084M	-0.09	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	25.00	23.97	0	0	Left Tilt	0.074	0.094	0.135	-	35.27	
Head	LTE Band 14	A	0084M	0.04	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	0	24.00	23.02	1	0	Left Tilt	0.056	0.070	0.127	-	35.53	
Body-worn/Hotspot	LTE Band 14	A	0084M	-0.11	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	24.00	22.99	0	5	Back	0.601	0.758	0.857	-	25.20	
Body-worn/Hotspot	LTE Band 14	A	0084M	0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	24.00	23.01	0	5	Back	0.623	0.783	0.885	-	25.06	
Body-worn/Hotspot	LTE Band 14	A	0084M	0.04	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	24.00	22.99	0	5	Front	0.408	0.515	0.582	-	26.88	
Body-worn/Hotspot	LTE Band 14	A	0084M	-0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	24.00	23.01	0	5	Front	0.493	0.619	0.699	-	26.08	
Hotspot	LTE Band 14	A	0084M	0.04	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	24.00	22.99	0	10	Bottom	0.095	0.120	0.136	-	33.21	
Hotspot	LTE Band 14	A	0084M	-0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	24.00	23.01	0	10	Bottom	0.095	0.124	0.140	-	33.05	
Hotspot	LTE Band 14	A	0084M	0.00	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	24.00	22.99	0	10	Right	0.138	0.174	0.197	-	31.59	
Hotspot	LTE Band 14	A	0084M	-0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	24.00	23.01	0	10	Right	0.138	0.173	0.195	-	31.61	
Hotspot	LTE Band 14	A	0084M	-0.03	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	0	24.00	22.99	0	10	Left	0.154	0.194	0.219	-	31.11	
Hotspot	LTE Band 14	A	0084M	0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	24.00	23.01	0	10	Left	0.143	0.180	0.203	-	31.45	
Head	LTE Band 14	E	0055M	0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	25	22.00	20.02	0	0	Right Cheek	0.494	0.779	0.880	-	23.08	
Head	LTE Band 14	E	0055M	0.00	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	22.00	20.01	0	0	Right Cheek	0.676	0.877	0.976	-	23.49	
Head	LTE Band 14	E	0055M	0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	25	22.00	20.02	0	0	Right Tilt	0.436	0.688	0.777	-	23.62	
Head	LTE Band 14	E	0055M	0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	22.00	20.01	0	0	Right Tilt	0.433	0.685	0.774	-	23.64	
Head	LTE Band 14	E	0055M	0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	25	22.00	20.02	0	0	Left Cheek	0.662	1.044	1.180	19	21.81	
Head	LTE Band 14	E	0055M	0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	22.00	20.01	0	0	Left Cheek	0.661	1.045	1.181	-	21.80	
Head	LTE Band 14	E	0055M	-0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	50	0	25.00	20.00	0	0	Left Cheek	0.629	0.973	1.088	-	23.28	
Head	LTE Band 14	E	0055M	0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	25	25.00	20.02	0	0	Left Tilt	0.529	0.835	0.944	-	22.78	
Head	LTE Band 14	E	0055M	-0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	22.00	20.01	0	0	Left Tilt	0.535	0.846	0.956	-	22.72	
Head	LTE Band 14	E	0055M	-0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	50	0	22.00	20.00	0	0	Left Tilt	0.518	0.821	0.928	-	22.85	
Body-worn/Hotspot	LTE Band 14	E	0055M	0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	25	23.00	21.02	0	0	Back	0.606	0.956	1.080	-	23.19	
Body-worn/Hotspot	LTE Band 14	E	0055M	-0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	23.00	21.01	0	5	Back	0.606	0.958	1.083	-	23.18	
Body-worn/Hotspot	LTE Band 14	E	0055M	0.03	100.0%	100.0%	793	23330	QPSK - 10 MHz	50	0	23.00	21.00	0	5	Back	0.610	1.039	1.164	20	23.61	
Body-worn/Hotspot	LTE Band 14	E	0055M	0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	25	23.00	21.02	0	5	Front	0.530	0.836	0.945	-	23.77	
Body-worn/Hotspot	LTE Band 14	E	0055M	0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	23.00	21.01	0	5	Front	0.513	0.811	0.916	-	23.90	
Body-worn/Hotspot	LTE Band 14	E	0055M	-0.01	100.0%	100.0%	793	23330	QPSK - 10 MHz	50	0	23.00	21.00	0	5	Front	0.556	0.881	0.996	-	23.54	
Hotspot	LTE Band 14	E	0055M	-0.09	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	25	23.00	21.02	0	10	Top	0.221	0.349	0.394	-	27.57	
Hotspot	LTE Band 14	E	0055M	0.03	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	23.00	21.01	0	10	Top	0.340	0.442	0.546	-	27.86	
Hotspot	LTE Band 14	E	0055M	0.04	100.0%	100.0%	793	23330	QPSK - 10 MHz	1	25	23.00	21.02	0	10	Right	0.310	0.489	0.553	-	26.10	
Hotspot	LTE Band 14	E	0055M	0.02	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	12	23.00	21.01	0	10	Right	0.312	0.493	0.557	-	26.06	



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Table 3-10

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPR [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg Plimit [dBm]	PartD Overall Frame Avg Plimit [dBm]
Head	LTE Band 26	A	0084M	-0.07	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	0	Right Cheek	0.188	0.251	0.281	-	30.99	30.72
Head	LTE Band 26	A	0084M	0.00	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	0	Right Cheek	0.155	0.212	0.299	-	30.72	
Head	LTE Band 26	A	0084M	-0.06	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	0	Right Tilt	0.096	0.128	0.144	-	33.91	
Head	LTE Band 26	A	0084M	-0.02	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	0	Right Tilt	0.093	0.127	0.180	-	32.84	
Head	LTE Band 26	A	0084M	0.02	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	0	Left Cheek	0.180	0.241	0.269	-	31.18	
Head	LTE Band 26	A	0084M	0.03	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	0	Left Cheek	0.148	0.203	0.286	-	30.92	
Head	LTE Band 26	A	0084M	-0.09	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	0	Left Tilt	0.103	0.138	0.154	-	33.61	
Head	LTE Band 26	A	0084M	0.05	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	0	Left Tilt	0.081	0.111	0.156	-	33.54	
Body-worn/Hotspot	LTE Band 26	A	0084M	0.00	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	5	Back	0.741	0.980	0.990	22	25.04	
Body-worn/Hotspot	LTE Band 26	A	0084M	-0.04	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	5	Back	0.580	0.807	0.998	-	24.92	
Body-worn/Hotspot	LTE Band 26	A	0084M	-0.05	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	75	0	24.00	22.62	1	5	Back	0.581	0.798	0.987	-	24.97	24.92
Body-worn/Hotspot	LTE Band 26	A	0084M	-0.13	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	5	Front	0.495	0.662	0.662	-	26.79	
Body-worn/Hotspot	LTE Band 26	A	0084M	-0.04	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	5	Front	0.397	0.544	0.673	-	26.64	
Hotspot	LTE Band 26	A	0084M	-0.04	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	10	Bottom	0.082	0.110	0.110	-	34.60	
Hotspot	LTE Band 26	A	0084M	0.05	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	10	Bottom	0.061	0.085	0.103	-	34.77	
Hotspot	LTE Band 26	A	0084M	0.04	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	10	Right	0.215	0.287	0.287	-	30.41	
Hotspot	LTE Band 26	A	0084M	0.01	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	10	Right	0.176	0.241	0.298	-	30.17	
Hotspot	LTE Band 26	A	0084M	0.03	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	74	25.00	23.74	0	10	Left	0.206	0.275	0.275	-	30.60	
Hotspot	LTE Band 26	A	0084M	0.03	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	24.00	22.63	1	10	Left	0.169	0.232	0.286	-	30.35	
Head	LTE Band 26	E	0055M	-0.05	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	36	21.00	19.21	0	0	Right Cheek	0.495	0.747	0.844	-	22.26	20.66
Head	LTE Band 26	E	0055M	0.01	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	21.00	19.08	0	0	Right Cheek	0.494	0.759	0.869	-	22.14	
Head	LTE Band 26	E	0055M	0.04	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	36	21.00	19.21	0	0	Right Tilt	0.424	0.640	0.723	-	22.93	
Head	LTE Band 26	E	0055M	0.01	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	21.00	19.08	0	0	Right Tilt	0.418	0.650	0.735	-	22.86	
Head	LTE Band 26	E	0055M	0.04	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	36	21.00	19.21	0	0	Left Cheek	0.697	1.053	1.190	21	20.77	
Head	LTE Band 26	E	0055M	0.00	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	21.00	19.08	0	0	Left Cheek	0.695	1.061	1.220	-	20.66	
Head	LTE Band 26	E	0055M	0.01	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	75	0	21.00	19.00	0	0	Left Cheek	0.632	1.002	1.132	-	20.99	
Head	LTE Band 26	E	0055M	-0.01	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	36	21.00	19.21	0	0	Left Tilt	0.532	0.803	0.907	-	21.95	
Head	LTE Band 26	E	0055M	0.01	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	21.00	19.08	0	0	Left Tilt	0.528	0.822	0.929	-	21.85	
Head	LTE Band 26	E	0055M	0.00	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	75	0	21.00	19.00	0	0	Left Tilt	0.509	0.807	0.912	-	21.93	
Body-worn/Hotspot	LTE Band 26	E	0055M	-0.04	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	36	22.50	21.84	0	5	Back	0.741	0.863	0.975	-	23.14	22.84
Body-worn/Hotspot	LTE Band 26	E	0055M	-0.04	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	22.50	21.57	0	5	Back	0.741	0.863	0.967	-	23.18	
Body-worn/Hotspot	LTE Band 26	E	0055M	-0.00	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	75	0	22.50	21.50	0	5	Back	0.734	0.924	1.044	-	22.84	
Body-worn/Hotspot	LTE Band 26	E	0055M	-0.07	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	36	22.50	21.84	0	5	Front	0.568	0.661	0.747	-	24.29	
Body-worn/Hotspot	LTE Band 26	E	0055M	-0.09	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	22.50	21.57	0	5	Front	0.628	0.778	0.879	-	23.59	
Body-worn/Hotspot	LTE Band 26	E	0055M	0.01	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	75	0	22.50	21.50	0	5	Front	0.631	0.794	0.897	-	23.49	
Hotspot	LTE Band 26	E	0055M	0.01	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	36	22.50	21.84	0	10	Top	0.279	0.365	0.367	-	27.38	
Hotspot	LTE Band 26	E	0055M	-0.03	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	22.50	21.57	0	10	Top	0.275	0.346	0.391	-	27.11	
Hotspot	LTE Band 26	E	0055M	-0.06	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	36	22.50	21.84	0	10	Right	0.264	0.307	0.347	-	27.62	
Hotspot	LTE Band 26	E	0055M	-0.02	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	18	22.50	21.57	0	10	Right	0.263	0.326	0.368	-	27.37	

Table 3-11

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPR [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg Plimit [dBm]	PartD Overall Frame Avg Plimit [dBm]
Head	LTE Band 66	A	0022M	0.07	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	0	24.50	23.55	0	0	Right Cheek	0.092	0.114	0.119	-	33.91	29.88
Head	LTE Band 66	A	0022M	0.01	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	25	23.50	22.53	1	0	Right Cheek	0.076	0.095	0.124	-	33.72	
Head	LTE Band 66	A	0022M	0.15	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	0	24.50	23.55	0	0	Right Tilt	0.060	0.075	0.077	-	35.76	
Head	LTE Band 66	A	0022M	-0.05	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	25	23.50	22.53	1	0	Right Tilt	0.053	0.066	0.086	-	35.28	
Head	LTE Band 66	A	0125M	-0.03	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	0	24.50	23.55	0	0	Left Cheek	0.224	0.279	0.289	-	30.04	
Head	LTE Band 66	A	0125M	0.03	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	25	23.50	22.53	1	0	Left Cheek	0.184	0.230	0.300	-	29.88	
Head	LTE Band 66	A	0022M	-0.15	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	0	24.50	23.55	0	0	Left Tilt	0.051	0.063	0.066	-	36.47	
Head	LTE Band 66	A	0022M	0.16	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	25	23.50	22.53	1	0	Left Tilt	0.030	0.038	0.049	-	37.75	
Body-worn/Hotspot	LTE Band 66	A	0171M	-0.06	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	50	17.00	15.63	0	5	Back	0.572	0.784	0.886	-	18.05	
Body-worn/Hotspot	LTE Band 66	A	0171M	-0.04	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	50	17.00	15.70	0	5	Back	0.580	0.782	0.884	24	18.06	
Body-worn/Hotspot	LTE Band 66	A	0171M	-0.16	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	50	17.00	15.63	0	5	Front	0.555	0.761	0.860	-	18.18	
Body-worn/Hotspot	LTE Band 66	A	0171M	-0.06	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	50	17.00	15.70	0	5	Front	0.553	0.746	0.843	-	18.27	
Hotspot	LTE Band 66	A	0171M	0.03	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	50	17.00	15.63	0	10	Bottom	0.368	0.504	0.570	-	19.87	
Hotspot	LTE Band 66	A	0171M	0.00	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	50	17.00	15.70	0	10	Bottom	0.414	0.558	0.631	-	19.52	
Hotspot	LTE Band 66	A	0022M	-0.02	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	50	17.00	15.63	0	10	Right	0.041	0.056	0.063	-	29.50	
Hotspot	LTE Band 66	A	0022M	0.12	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	50	17.00	15.70	0	10	Right	0.041	0.055	0.062	-	29.57	
Hotspot	LTE Band 66	A	0022M	0.03	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	50	17.00	15.63	0	10	Left	0.077	0.106	0.120	-	26.76	
Hotspot	LTE Band 66	A	0022M	0.00	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	50	17.00	15.70	0	10	Left	0.076	0.103	0.116	-	26.89	
Head	LTE Band 66	F	0171M	0.02	100.0%	100.0%	1745	132322	QPSK - 20 MHz	1	50	17.50	16.24	0	0	Right Cheek	0.580	0.775	0.876	-	18.60	
Head	LTE Band 66	F	0171M	-0.03	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	25	17.50	16.22	0	0	Right Cheek	0.580	0.779	0.880	-	18.58	
Head	LTE Band 66	F	0171M	0.00	100.0%	100.0%	1720	132072	QPSK - 20 MHz	1	50	17.50	16.15	0	0	Right Tilt	0.741	1.011	1.142	23	17.45	
Head	LTE Band 66	F	0171M	-0.02	100.0%	100.0%	1745	132322	QPSK - 20 MHz	1	50	17.50	16.24	0	0	Right Tilt	0.726	0.970	1.096	-	17.63	
Head	LTE Band 66	F	0171M	0.03	100.0%	100.0%	1770	132572	QPSK - 20 MHz	1	50	17.50	16.17	0	0	Right Tilt	0.734	0.956	1.080	-	17.60	
Head	LTE Band 66	F	0171M	-0.01	100.0%	100.0%	1720	132072	QPSK - 20 MHz	50	25	17.50	16.20	0	0	Right Tilt	0.726	0.990	1.119	-	17.54	
Head	LTE Band 66	F	0171M	-0.02	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	25	17.50	16.22	0	0	Right Tilt	0.717	0.963	1.088	-	17.66	
Head	LTE Band 66	F	0171M	0.01	100.0%	100.0%	1770	132572	QPSK - 20 MHz	50	25	17.50	16.21	0	0	Right Tilt	0.684	0.921	1.041	-	17.85	
Head	LTE Band 66	F	0171M	-0.01	100.0%	100.0%	1745	132322	QPSK - 20 MHz	100	0	17.50	16.17	0	0	Right Tilt	0.718	0.975	1.102	-	17.60	
Head	LTE Band 66	F	0171M	0.02	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	25	17.50	16.24	0	0	Right Cheek	0.745	0.962	1.042	-	17.62	
Head	LTE Band 66	F	0171M	0.03	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	25	17.50	16.22	0	0	Left Cheek	0.347	0.466	0.527	-	20.81	
Head	LTE Band 66	F	0171M	0.02	100.0%	100.0%	1745	132322	QPSK - 20 MHz	1	50	17.50	16.24	0	0	Left Tilt	0.491	0.656	0.741	-	19.32	
Head	LTE Band 66	F	0171M	0.01	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	25	17.50	16.22	0	0	Left Tilt	0.489	0.657	0.742	-	19.32	
Body-worn/Hotspot	LTE Band 66	F	0171M	-0.04	100.0%	100.0%	1745	132322	QPSK - 20 MHz	1	50	18.50	17.21	0	5	Back	0.479	0.643	0.727	-	20.41	
Body-worn/Hotspot	LTE Band 66	F	0171M	0.01	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	50	18.50	17.21	0	5	Back	0.449	0.611	0.711	-	20.41	
Body-worn/Hotspot	LTE Band 66	F	0171M	0.00	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	50	18.50	17.22	0	5	Front	0.376	0.505	0.571	-	21.46	
Body-worn/Hotspot	LTE Band 66	F	0171M	-0.01	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	50	18.50	17.21	0	5	Front	0.368	0.495	0.559	-	21.55	
Hotspot	LTE Band 66	F	0171M	0.05	100.0%	100.0%	1745	132322	QPSK - 20 MHz	1	50	18.50	17.22	0	10	Top	0.265	0.356	0.402	-	22.98	
Hotspot	LTE Band 66	F	0171M	-0.01	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	50	18.50	17.21	0	10	Top	0.262	0.353	0.399	-	23.02	
Hotspot	LTE Band 66	F	0171M	-0.06	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	50	18.50	17.22	0	10	Left	0.065	0.087	0.098	-	29.05	
Hotspot	LTE Band 66	F	0171M	-0.09	100.0%	100.0%	1745	132322	QPSK - 20 MHz	50	50	18.50	17.21	0	10	Left	0.065	0.087	0.098	-	29.08	



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Table 3-12

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPE [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg P1mit [dBm]	PartD Overall Frame Avg P1mit [dBm]
Head	LTE Band 25	A	0084M	-0.13	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	24.50	22.50	0	0	Right Cheek	0.035	0.055	0.074	-	37.05	
Head	LTE Band 25	A	0084M	0.19	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	23.50	21.61	1	0	Right Cheek	0.027	0.042	0.070	-	37.29	
Head	LTE Band 25	A	0084M	0.09	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	24.50	22.50	0	0	Right Tilt	0.040	0.063	0.084	-	36.47	
Head	LTE Band 25	A	0084M	-0.06	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	23.50	21.61	1	0	Right Tilt	0.030	0.046	0.077	-	36.83	
Head	LTE Band 25	A	0084M	-0.06	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	24.50	22.50	0	0	Left Cheek	0.139	0.220	0.292	-	31.06	
Head	LTE Band 25	A	0084M	-0.05	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	23.50	21.61	1	0	Left Cheek	0.116	0.179	0.300	-	30.96	
Head	LTE Band 25	A	0084M	0.19	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	24.50	22.50	0	0	Left Tilt	0.057	0.090	0.120	-	34.94	
Head	LTE Band 25	A	0084M	0.08	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	23.50	21.61	1	0	Left Tilt	0.039	0.060	0.101	-	35.69	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.03	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	18.00	16.07	0	5	Back	0.594	0.926	1.046	-	18.33	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.02	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	1	0	18.00	16.03	0	5	Back	0.565	0.889	1.005	-	18.50	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.06	100.0%	100.0%	1905	26590	QPSK - 20 MHz	1	50	18.00	16.05	0	5	Back	0.577	0.904	1.022	-	18.43	
Body-worn/Hotspot	LTE Band 25	A	0153M	0.00	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.06	0	5	Back	0.603	0.943	1.066	26	18.25	
Body-worn/Hotspot	LTE Band 25	A	0153M	0.00	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	50	50	18.00	16.05	0	5	Back	0.573	0.898	1.015	-	18.46	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.03	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	18.00	16.04	0	5	Back	0.588	0.923	1.043	-	18.34	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.01	100.0%	100.0%	1905	26590	QPSK - 20 MHz	100	0	18.00	16.01	0	5	Back	0.575	0.909	1.027	-	18.41	
Body-worn/Hotspot	LTE Band 25	A	0153M	0.01	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	18.00	16.07	0	5	Front	0.558	0.870	0.983	-	18.60	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.03	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	1	0	18.00	16.03	0	5	Front	0.571	0.899	1.016	-	18.46	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.06	100.0%	100.0%	1905	26590	QPSK - 20 MHz	1	50	18.00	16.05	0	5	Front	0.578	0.906	1.024	-	18.43	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.03	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.06	0	5	Front	0.571	0.893	1.009	-	18.49	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.03	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	50	50	18.00	16.05	0	5	Front	0.569	0.891	1.007	-	18.49	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.03	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	18.00	16.04	0	5	Front	0.581	0.912	1.031	-	18.39	
Body-worn/Hotspot	LTE Band 25	A	0153M	-0.03	100.0%	100.0%	1905	26590	QPSK - 20 MHz	100	0	18.00	16.01	0	5	Front	0.566	0.895	1.011	-	18.48	
Hotspot	LTE Band 25	A	0153M	-0.02	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	18.00	16.07	0	10	Bottom	0.503	0.784	0.886	-	19.05	
Hotspot	LTE Band 25	A	0153M	-0.02	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.06	0	10	Bottom	0.514	0.803	0.907	-	18.95	
Hotspot	LTE Band 25	A	0153M	-0.05	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	50	50	18.00	16.05	0	10	Bottom	0.519	0.813	0.919	-	18.89	
Hotspot	LTE Band 25	A	0153M	-0.02	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	18.00	16.04	0	10	Bottom	0.528	0.822	0.929	-	18.86	
Hotspot	LTE Band 25	A	0153M	0.01	100.0%	100.0%	1905	26590	QPSK - 20 MHz	100	0	18.00	16.01	0	10	Bottom	0.538	0.851	0.962	-	18.70	
Hotspot	LTE Band 25	A	0022M	0.11	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	18.00	16.07	0	10	Right	0.049	0.076	0.086	-	29.16	
Hotspot	LTE Band 25	A	0022M	0.01	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.06	0	10	Right	0.052	0.081	0.092	-	28.89	
Hotspot	LTE Band 25	A	0022M	0.10	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	18.00	16.07	0	10	Left	0.074	0.115	0.130	-	27.37	
Hotspot	LTE Band 25	A	0022M	-0.07	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.04	0	10	Left	0.074	0.115	0.130	-	27.36	
Head	LTE Band 25	F	0171M	-0.01	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	0	18.00	16.27	0	0	Right Cheek	0.655	0.976	1.103	-	18.10	
Head	LTE Band 25	F	0171M	-0.01	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	1	0	18.00	16.12	0	0	Right Cheek	0.606	0.934	1.055	-	18.29	
Head	LTE Band 25	F	0171M	0.01	100.0%	100.0%	1905	26590	QPSK - 20 MHz	1	99	18.00	16.20	0	0	Right Cheek	0.580	0.878	0.992	-	18.56	
Head	LTE Band 25	F	0171M	0.00	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.28	0	0	Right Cheek	0.653	0.970	1.096	-	18.13	
Head	LTE Band 25	F	0171M	-0.02	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	50	0	18.00	16.06	0	0	Right Cheek	0.601	0.928	1.050	-	18.31	
Head	LTE Band 25	F	0171M	-0.02	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	18.00	16.21	0	0	Right Cheek	0.594	0.897	1.014	-	18.47	
Head	LTE Band 25	F	0171M	0.00	100.0%	100.0%	1860	26140	QPSK - 20 MHz	100	0	18.00	16.19	0	0	Right Cheek	0.632	0.959	1.084	-	18.18	
Head	LTE Band 25	F	0171M	0.02	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	0	18.00	16.27	0	0	Right Tilt	0.719	1.071	1.210	-	17.70	
Head	LTE Band 25	F	0171M	0.02	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	1	0	18.00	16.12	0	0	Right Tilt	0.690	1.064	1.202	-	17.73	
Head	LTE Band 25	F	0171M	-0.01	100.0%	100.0%	1905	26590	QPSK - 20 MHz	1	99	18.00	16.20	0	0	Right Tilt	0.662	1.002	1.132	-	17.99	
Head	LTE Band 25	F	0171M	-0.03	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.28	0	0	Right Tilt	0.725	1.077	1.217	25	17.67	
Head	LTE Band 25	F	0171M	0.01	100.0%	100.0%	1882.5	26365	QPSK - 20 MHz	50	0	18.00	16.10	0	0	Right Tilt	0.686	1.062	1.200	-	17.73	
Head	LTE Band 25	F	0171M	0.01	100.0%	100.0%	1905	26590	QPSK - 20 MHz	50	50	18.00	16.21	0	0	Right Tilt	0.681	1.028	1.162	-	17.87	
Head	LTE Band 25	F	0171M	-0.05	100.0%	100.0%	1860	26140	QPSK - 20 MHz	100	0	18.00	16.19	0	0	Right Tilt	0.705	1.070	1.209	-	17.70	
Head	LTE Band 25	F	0171M	0.00	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	0	18.00	16.27	0	0	Left Cheek	0.408	0.608	0.687	-	20.16	
Head	LTE Band 25	F	0171M	-0.02	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.28	0	0	Left Cheek	0.405	0.602	0.680	-	20.20	
Head	LTE Band 25	F	0171M	-0.02	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	0	18.00	16.27	0	0	Left Tilt	0.488	0.727	0.822	-	19.38	
Head	LTE Band 25	F	0171M	0.00	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	18.00	16.28	0	0	Left Tilt	0.487	0.724	0.818	-	19.40	
Body-worn/Hotspot	LTE Band 25	F	0171M	0.00	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	19.50	17.83	0	5	Back	0.518	0.761	0.860	-	20.68	
Body-worn/Hotspot	LTE Band 25	F	0171M	-0.02	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	19.50	17.86	0	5	Back	0.524	0.764	0.863	-	20.66	
Body-worn/Hotspot	LTE Band 25	F	0171M	-0.03	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	19.50	17.83	0	5	Front	0.470	0.690	0.780	-	21.10	
Body-worn/Hotspot	LTE Band 25	F	0171M	-0.02	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	19.50	17.86	0	5	Front	0.472	0.689	0.779	-	21.12	
Hotspot	LTE Band 25	F	0171M	0.02	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	19.50	17.83	0	10	Top	0.385	0.566	0.640	-	21.97	
Hotspot	LTE Band 25	F	0171M	0.04	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	19.50	17.86	0	10	Top	0.384	0.560	0.633	-	22.01	
Hotspot	LTE Band 25	F	0171M	-0.03	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	19.50	17.83	0	10	Left	0.046	0.068	0.077	-	31.20	
Hotspot	LTE Band 25	F	0171M	0.12	100.0%	100.0%	1860	26140	QPSK - 20 MHz	50	0	19.50	17.86	0	10	Left	0.049	0.071	0.080	-	30.95	

Table 3-13

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPE [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg P1mit [dBm]	PartD Overall Frame Avg P1mit [dBm]	
Head	LTE Band 30	A	0151M	-0.16	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	23.00	21.50	0	0	Right Cheek	0.051	0.072	0.300	-	34.42		
Head	LTE Band 30	A	0151M	-0.05	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	22.00	20.54	1	0	Right Cheek	0.032	0.045	0.235	-	35.48		
Head	LTE Band 30	A	0151M	0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	21.00	21.50	0	0	Right Tilt	0.010	0.017	0.030	-	40.01		
Head	LTE Band 30	A	0151M	-0.05	100.0%	100.0%	2310	27710	QPSK - 10 MHz	0	25	0	22.00	20.54	1	0	Right Tilt	0.002	0.010	0.051	-	42.08	
Head	LTE Band 30	A	0151M	-0.05	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	23.00	21.50	0	0	Left Cheek	0.028	0.040	0.164	-	37.02		
Head	LTE Band 30	A	0151M	0.10	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	22.00	20.54	1	0	Left Cheek	0.051	0.021	0.110	-	38.77		
Head	LTE Band 30	A	0151M	-0.05	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	23.00	21.50	0	0	Left Tilt	0.051	0.021	0.088	-	39.73		
Head	LTE Band 30	A	0151M	0.10	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	22.00	20.54	0	0	Left Tilt	0.051	0.013	0.066	-	40.98		
Body-worn/Hotspot	LTE Band 30	A	0151M	-0.03	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	21.00	19.12	0	5	Back	0.652	1.005	1.138	28	20.97		
Body-worn/Hotspot	LTE Band 30	A	0151M	0.02	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	21.00	19.07	0	5	Back	0.649	1.012	1.144	-	20.94		
Body-worn/Hotspot	LTE Band 30	A	0151M	0.00	100.0%	100.0%	2310	27710	QPSK - 10 MHz	50	0	21.00	19.04	0	5	Back	0.641	1.007	1.138	-	20.97		
Body-worn/Hotspot	LTE Band 30	A	0151M	0.06	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	21.00	19.12	0	5	Front	0.528	0.814	0.920	-	21.89		
Body-worn/Hotspot	LTE Band 30	A	0058M	0.00	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	21.00	19.07	0	5	Front	0.730	0.903	1.020	-	24.85		
Body-worn/Hotspot	LTE Band 30	A	0151M	-0.07	100.0%	100.0%	2310	27710	QPSK - 10 MHz	5	50	0	21.00	19.04	0	5	Front	0.485	0.762	0.861	-	22.18	
Hotspot	LTE Band 30	A	0058M	0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	21.00	19.12	0	10	Bottom	0.561	0.865	0.977	-	21.63		
Hotspot	LTE Band 30	A	0058M	0.00	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	21.00	19.07	0	10	Bottom	0.571	0.891	1.007	-	21.50		
Hotspot	LTE Band 30	A	0058M	-0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	50	0	21.00	19.04	0	10	Bottom	0.560	0.879	0.993	-	21.55		
Hotspot	LTE Band 30	A	0058M	0.00	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	21.00	19.12	0	10	Right	0.030	0.046	0.053	-	34.34		
Hotspot	LTE Band 30	A	0058M	0.06	100.0%	100.0%	2310	27710	QPSK - 10 MHz	A	25	0	21.00	19.07	0	10	Right	0.028	0.044	0.050	-	34.59	
Hotspot	LTE Band 30	A	0058M	0.06	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	21.00	19.12	0	10	Left	0.027	0.042	0.047	-	34.80		
Hotspot	LTE Band 30	A	0058M	0.06	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	21.00	19.07	0	10	Left	0.026	0.041	0.046	-	34.92		
Head	LTE Band 30	F	0171M	0.02	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	18.50	17.68	0	0	Right Cheek	0.769	0.929	1.050	-	18.82		
Head	LTE Band 30	F	0171M	0.02	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	12	18.50	17.92	0	0	Right Cheek	0.780	0.903	1.030	-	18.94		
Head	LTE Band 30	F	0171M	-0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	50	0	18.50	17.60	0	0	Right Cheek	0.786	0.967	1.093	-	18.64		
Head	LTE Band 30	F	0171M	0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	18.50	17.68	0	0	Right Tilt	0.870	1.051	1.188	-	18.28		
Head	LTE Band 30	F	0171M	0.04	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	12	18.50	17.92	0	0	Right Tilt	0.896	1.024	1.157	27	18.39		
Head	LTE Band 30	F	0171M	0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	50	0	18.50	17.60	0	0	Right Tilt	0.893	1.099	1.242	-	18.09		
Head	LTE Band 30	F	0171M	-0.03	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	12	18.50	17.68	0	0	Left Cheek	0.648	0.840	0.940	-	22.40		
Head	LTE Band 30	F	0171M	-0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	12	18.50	17.92	0	0	Left Cheek	0.376	0.432	0.488	-	22.14		
Head	LTE Band 30	F	0171M	0.00	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	18.50	17.68	0	0	Left Tilt	0.605	0.731	0.826	-	19.86		
Head	LTE Band 30	F	0171M	0.02	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	12	18.50	17.92	0	0	Left Tilt	0.623	0.712	0.805	-	19.97		
Body-worn/Hotspot	LTE Band 30	F	0007M	-0.02	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	25	20.00	19.07	0	5	Back	0.628	0.778	0.879	-	21.09		
Body-worn/Hotspot	LTE Band 30	F	0007M	0.00	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	20.00	19.23	0	10	Front	0.430	0.733	0.840	-	21.63		
Body-worn/Hotspot	LTE Band 30	F	0007M	-0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	25	20.00	19.07	0	5	Front	0.470	0.582	0.658	-	22.34		
Body-worn/Hotspot	LTE Band 30	F	0007M	0.00	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	20.00	19.23	0	5	Front	0.465	0.555	0.627	-	22.55		
Hotspot	LTE Band 30	F	0007M	-0.02	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	25	20.00	19.07	0	10	Top	0.357	0.442	0.499	-	23.54		
Hotspot	LTE Band 30	F	0007M	0.01	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	20.00	19.23	0	10	Top	0.350	0.418	0.472	-	23.78		
Hotspot	LTE Band 30	F	0007M	0.08	100.0%	100.0%	2310	27710	QPSK - 10 MHz	0	25	20.00	19.07	0	10	Left	0.029	0.035	0.040	-	34.08		
Hotspot	LTE Band 30	F	0007M	-0.14	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	0	20.00	19.23	0	10	Left	0.029	0.035	0.040	-	34.50		



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Table 3-14

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift (dB)	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPR [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg P1mit [dBm]	PartD Overall Frame Avg P1mit [dBm]
Head	LTE Band 7	B	0171M	-0.01	100.0%	100.0%	2560	21350	QPSK - 20 MHz	1	0	24.00	23.53	0	0	Right Cheek	0.044	0.049	0.189	-	37.09	35.07
Head	LTE Band 7	B	0171M	0.12	100.0%	100.0%	2560	21350	QPSK - 20 MHz	50	25	23.00	22.54	1	0	Right Cheek	0.029	0.032	0.156	-	37.91	
Head	LTE Band 7	B	0171M	0.13	100.0%	100.0%	2560	21350	QPSK - 20 MHz	1	0	24.00	23.53	0	0	Right Tilt	0.032	0.036	0.137	-	38.47	
Head	LTE Band 7	B	0171M	-0.01	100.0%	100.0%	2560	21350	QPSK - 20 MHz	50	25	23.00	22.54	1	0	Right Tilt	0.029	0.032	0.156	-	37.91	
Head	LTE Band 7	B	0171M	0.13	100.0%	100.0%	2560	21350	QPSK - 20 MHz	1	0	24.00	23.53	0	0	Left Cheek	0.063	0.070	0.270	-	35.53	
Head	LTE Band 7	B	0171M	-0.01	100.0%	100.0%	PCC: 2560 SCC: 2540.2	PCC: 21350 SCC: 21152	QPSK, ULCA 7C - PCC: 20 MHz, SCC: 20 MHz	PCC: 1 SCC: 1	PCC: 0 SCC: 99	24.00	24.00	0	0	Left Cheek	0.078	0.078	0.300	-	35.07	
Head	LTE Band 7	B	0171M	-0.08	100.0%	100.0%	2560	21350	QPSK - 20 MHz	50	25	23.00	22.54	1	0	Left Cheek	0.049	0.054	0.264	-	35.63	
Head	LTE Band 7	B	0171M	-0.10	100.0%	100.0%	2560	21350	QPSK - 20 MHz	1	0	24.00	23.53	0	0	Left Tilt	0.033	0.037	0.141	-	38.34	
Head	LTE Band 7	B	0171M	-0.01	100.0%	100.0%	2560	21350	QPSK - 20 MHz	50	25	23.00	22.54	1	0	Left Tilt	0.026	0.029	0.140	-	38.39	
Body-worn/Hotspot	LTE Band 7	B	0171M	-0.12	100.0%	100.0%	2510	20850	QPSK - 20 MHz	1	99	19.00	17.58	0	5	Back	0.730	1.032	1.144	-	18.94	18.36
Body-worn/Hotspot	LTE Band 7	B	0171M	-0.12	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	99	19.00	17.60	0	5	Back	0.780	1.077	1.217	-	18.67	
Body-worn/Hotspot	LTE Band 7	B	0171M	-0.12	100.0%	100.0%	2560	21350	QPSK - 20 MHz	1	0	19.00	17.46	0	5	Back	0.791	1.128	1.275	30	18.47	
Body-worn/Hotspot	LTE Band 7	B	0171M	0.16	100.0%	100.0%	PCC: 2560 SCC: 2540.2	PCC: 21350 SCC: 21152	QPSK, ULCA 7C - PCC: 20 MHz, SCC: 20 MHz	PCC: 1 SCC: 1	PCC: 0 SCC: 99	19.00	17.14	0	5	Back	0.696	1.068	1.207	-	18.71	
Body-worn/Hotspot	LTE Band 7	B	0171M	0.05	100.0%	100.0%	2510	20850	QPSK - 20 MHz	50	25	19.00	17.63	0	5	Back	0.721	0.988	1.116	-	19.05	
Body-worn/Hotspot	LTE Band 7	B	0171M	0.16	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	25	19.00	17.69	0	5	Back	0.749	1.033	1.145	-	18.94	
Body-worn/Hotspot	LTE Band 7	B	0171M	-0.04	100.0%	100.0%	2560	21350	QPSK - 20 MHz	50	0	19.00	17.62	0	5	Back	0.780	1.072	1.211	-	18.69	
Body-worn/Hotspot	LTE Band 7	B	0171M	-0.01	100.0%	100.0%	2535	21100	QPSK - 20 MHz	100	0	19.00	17.59	0	5	Back	0.751	1.039	1.174	-	18.83	
Body-worn/Hotspot	LTE Band 7	B	0171M	-0.19	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	99	19.00	17.60	0	5	Front	0.375	0.518	0.585	-	21.85	
Body-worn/Hotspot	LTE Band 7	B	0171M	0.01	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	25	19.00	17.69	0	5	Front	0.345	0.466	0.527	-	22.31	
Hotspot	LTE Band 7	B	0171M	-0.06	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	99	19.00	17.60	0	10	Bottom	0.379	0.523	0.591	-	21.81	16.74
Hotspot	LTE Band 7	B	0171M	-0.03	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	25	19.00	17.69	0	10	Bottom	0.338	0.457	0.516	-	22.40	
Hotspot	LTE Band 7	B	0171M	-0.12	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	99	19.00	17.60	0	10	Left	0.140	0.193	0.218	-	26.13	
Hotspot	LTE Band 7	B	0171M	0.14	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	25	19.00	17.69	0	10	Left	0.131	0.177	0.200	-	26.51	
Head	LTE Band 7	F	0153M	-0.13	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	0	16.50	15.52	0	0	Right Cheek	0.627	0.786	0.888	-	17.54	
Head	LTE Band 7	F	0153M	0.03	100.0%	100.0%	2510	20850	QPSK - 20 MHz	50	25	16.50	15.50	0	0	Right Cheek	0.607	0.764	0.863	-	17.66	
Head	LTE Band 7	F	0153M	-0.06	100.0%	100.0%	2510	20850	QPSK - 20 MHz	1	50	16.50	15.51	0	0	Right Tilt	0.690	0.867	0.980	-	17.12	
Head	LTE Band 7	F	0153M	0.04	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	0	16.50	15.52	0	0	Right Tilt	0.660	0.827	0.935	-	17.32	
Head	LTE Band 7	F	0153M	-0.03	100.0%	100.0%	2560	21350	QPSK - 20 MHz	1	50	16.50	15.06	0	0	Right Tilt	0.659	0.918	1.037	-	16.87	
Head	LTE Band 7	F	0153M	0.04	100.0%	100.0%	2510	20850	QPSK - 20 MHz	50	25	16.50	15.50	0	0	Right Tilt	0.687	0.865	0.977	-	17.13	
Head	LTE Band 7	F	0153M	0.01	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	0	16.50	15.38	0	0	Right Tilt	0.731	0.946	1.069	29	16.74	
Head	LTE Band 7	F	0153M	-0.03	100.0%	100.0%	PCC: 2535 SCC: 2554.8	PCC: 21100 SCC: 21298	QPSK, ULCA 7C - PCC: 20 MHz, SCC: 20 MHz	PCC: 50 SCC: 50	PCC: 50 SCC: 0	16.50	15.37	0	0	Right Tilt	0.711	0.922	1.042	-	16.85	18.97
Head	LTE Band 7	F	0153M	0.11	100.0%	100.0%	2560	21350	QPSK - 20 MHz	50	0	16.50	15.07	0	0	Right Tilt	0.650	0.903	1.020	-	16.94	
Head	LTE Band 7	F	0153M	0.14	100.0%	100.0%	2510	20850	QPSK - 20 MHz	100	0	16.50	15.38	0	0	Right Tilt	0.665	0.861	0.973	-	17.15	
Head	LTE Band 7	F	0155M	0.00	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	0	16.50	15.52	0	0	Left Cheek	0.262	0.328	0.371	-	21.33	
Head	LTE Band 7	F	0155M	-0.03	100.0%	100.0%	2510	20850	QPSK - 20 MHz	50	25	16.50	15.50	0	0	Left Tilt	0.299	0.376	0.425	-	20.74	
Head	LTE Band 7	F	0155M	-0.02	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	0	16.50	15.52	0	0	Left Tilt	0.436	0.546	0.617	-	19.12	
Head	LTE Band 7	F	0155M	-0.02	100.0%	100.0%	2510	20850	QPSK - 20 MHz	50	25	16.50	15.50	0	0	Left Tilt	0.460	0.579	0.654	-	18.87	
Body-worn/Hotspot	LTE Band 7	F	0153M	0.01	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	50	18.00	16.08	0	5	Back	0.473	0.736	0.832	-	19.33	
Body-worn/Hotspot	LTE Band 7	F	0153M	0.17	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	0	18.00	16.01	0	5	Back	0.475	0.751	0.849	-	19.24	
Body-worn/Hotspot	LTE Band 7	F	0153M	0.01	100.0%	100.0%	PCC: 2535 SCC: 2554.8	PCC: 21100 SCC: 21298	QPSK, ULCA 7C - PCC: 20 MHz, SCC: 20 MHz	PCC: 50 SCC: 50	PCC: 50 SCC: 0	18.00	16.04	0	5	Back	0.509	0.799	0.903	-	18.97	
Body-worn/Hotspot	LTE Band 7	F	0153M	0.06	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	50	18.00	16.08	0	5	Front	0.353	0.549	0.620	-	20.60	20.49
Body-worn/Hotspot	LTE Band 7	F	0153M	-0.09	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	0	18.00	16.01	0	5	Front	0.348	0.550	0.622	-	20.59	
Hotspot	LTE Band 7	F	0153M	0.00	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	50	18.00	16.08	0	10	Top	0.337	0.514	0.592	-	20.80	
Hotspot	LTE Band 7	F	0153M	0.08	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	0	18.00	16.01	0	10	Top	0.356	0.563	0.636	-	20.49	
Hotspot	LTE Band 7	F	0153M	0.02	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	50	18.00	16.08	0	10	Left	0.044	0.068	0.077	-	29.64	29.88
Hotspot	LTE Band 7	F	0153M	0.12	100.0%	100.0%	2535	21100	QPSK - 20 MHz	50	0	18.00	16.01	0	10	Left	0.041	0.065	0.073	-	29.88	



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Table 3-15

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPR [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg P1mit [dBm]	PartD Overall Frame Avg P1mit [dBm]
Head	LTE Band 41	B	0155M	-0.11	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	1	50	25.00	23.78	0	0	Right Cheek	0.023	0.030	0.181	-	38.17	
Head	LTE Band 41	B	0155M	0.10	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	50	0	24.00	22.74	1	0	Right Cheek	0.019	0.025	0.190	-	37.96	
Head	LTE Band 41	B	0155M	-0.09	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	1	50	25.00	23.78	0	0	Right Tilt	0.022	0.029	0.173	-	38.36	
Head	LTE Band 41	B	0155M	-0.11	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	50	0	24.00	22.74	1	0	Right Tilt	0.014	0.019	0.140	-	39.29	
Head	LTE Band 41	B	0155M	0.04	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	1	50	25.00	23.78	0	0	Left Cheek	0.038	0.050	0.299	-	35.99	
Head	LTE Band 41	B	0155M	0.09	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	50	0	24.00	22.74	1	0	Left Cheek	0.030	0.040	0.300	-	35.98	
Head	LTE Band 41	B	0155M	-0.11	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	1	50	25.00	23.78	0	0	Left Tilt	0.025	0.033	0.197	-	37.81	
Head	LTE Band 41	B	0155M	-0.11	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	50	0	24.00	22.74	1	0	Left Tilt	0.016	0.021	0.160	-	38.71	
Body-worn/Hotspot	LTE Band 41	B	0154M	-0.02	63.3%	63.3%	2680	41490	QPSK - 20 MHz	1	0	21.00	20.27	0	5	Back	0.426	0.504	0.570	-	21.98	
Body-worn/Hotspot	LTE Band 41	B	0154M	-0.09	63.3%	63.3%	2680	41490	QPSK - 20 MHz	50	0	21.00	20.34	0	5	Back	0.411	0.478	0.540	-	22.21	
Body-worn/Hotspot	LTE Band 41	B	0154M	-0.06	63.3%	63.3%	2680	41490	QPSK - 20 MHz	1	0	21.00	20.27	0	5	Front	0.337	0.399	0.451	-	23.00	
Body-worn/Hotspot	LTE Band 41	B	0154M	0.01	63.3%	63.3%	2680	41490	QPSK - 20 MHz	50	0	21.00	20.34	0	5	Front	0.345	0.402	0.454	-	22.97	
Hotspot	LTE Band 41	B	0154M	0.01	63.3%	63.3%	2680	41490	QPSK - 20 MHz	1	0	21.00	20.27	0	10	Bottom	0.254	0.300	0.339	-	24.23	
Hotspot	LTE Band 41	B	0154M	0.01	63.3%	63.3%	2680	41490	QPSK - 20 MHz	50	0	21.00	20.34	0	10	Bottom	0.256	0.298	0.337	-	24.27	
Hotspot	LTE Band 41	B	0154M	0.09	63.3%	63.3%	2680	41490	QPSK - 20 MHz	1	0	21.00	20.27	0	10	Left	0.141	0.167	0.199	-	26.79	
Hotspot	LTE Band 41	B	0154M	-0.02	63.3%	63.3%	2680	41490	QPSK - 20 MHz	50	0	21.00	20.34	0	10	Left	0.145	0.169	0.191	-	26.74	
Head	LTE Band 41	F	0007M	-0.04	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	19.00	18.85	0	0	Right Cheek	0.632	0.654	0.739	-	18.85	
Head	LTE Band 41	F	0007M	-0.02	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	1	0	19.00	18.68	0	0	Right Cheek	0.702	0.756	0.854	-	18.23	
Head	LTE Band 41	F	0007M	0.00	63.3%	63.3%	2593	40620	QPSK - 20 MHz	1	0	19.00	18.84	0	0	Right Cheek	0.499	0.518	0.585	-	19.87	
Head	LTE Band 41	F	0007M	-0.06	63.3%	63.3%	2636.5	41055	QPSK - 20 MHz	1	50	19.00	18.80	0	0	Right Cheek	0.382	0.480	0.452	-	20.99	
Head	LTE Band 41	F	0007M	0.01	63.3%	63.3%	2680	41490	QPSK - 20 MHz	1	0	19.00	18.64	0	0	Right Cheek	0.313	0.340	0.384	-	21.69	
Head	LTE Band 41	F	0007M	0.00	63.3%	63.3%	2506	39750	QPSK - 20 MHz	50	25	19.00	18.87	0	0	Right Cheek	0.700	0.721	0.815	-	18.43	
Head	LTE Band 41	F	0007M	0.00	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	50	0	19.00	18.63	0	0	Right Cheek	0.689	0.750	0.848	-	18.26	
Head	LTE Band 41	F	0007M	-0.01	63.3%	63.3%	2593	40620	QPSK - 20 MHz	50	0	19.00	18.84	0	0	Right Cheek	0.494	0.513	0.580	-	19.91	
Head	LTE Band 41	F	0007M	-0.01	63.3%	63.3%	2636.5	41055	QPSK - 20 MHz	50	0	19.00	18.86	0	0	Right Cheek	0.391	0.494	0.457	-	20.95	
Head	LTE Band 41	F	0007M	-0.01	63.3%	63.3%	2680	41490	QPSK - 20 MHz	50	0	19.00	18.58	0	0	Right Cheek	0.297	0.327	0.370	-	21.86	
Head	LTE Band 41	F	0007M	0.00	63.3%	63.3%	2506	39750	QPSK - 20 MHz	100	0	19.00	18.75	0	0	Right Cheek	0.696	0.737	0.833	-	18.33	
Head	LTE Band 41	F	0007M	0.02	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	19.00	18.85	0	0	Right Tilt	0.704	0.729	0.824	-	18.38	
Head	LTE Band 41	F	0007M	0.00	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	1	0	19.00	18.68	0	0	Right Tilt	0.784	0.844	0.954	31	17.75	
Head	LTE Band 41	F	0007M	-0.01	63.3%	63.3%	2593	40620	QPSK - 20 MHz	1	0	19.00	18.84	0	0	Right Tilt	0.576	0.598	0.676	-	19.24	
Head	LTE Band 41	F	0007M	-0.01	63.3%	63.3%	2636.5	41055	QPSK - 20 MHz	1	50	19.00	18.80	0	0	Right Tilt	0.436	0.457	0.516	-	20.41	
Head	LTE Band 41	F	0007M	-0.05	63.3%	63.3%	2680	41490	QPSK - 20 MHz	1	0	19.00	18.64	0	0	Right Tilt	0.354	0.385	0.435	-	21.16	
Head	LTE Band 41	F	0007M	0.01	63.3%	63.3%	2506	39750	QPSK - 20 MHz	50	25	19.00	18.87	0	0	Right Tilt	0.777	0.801	0.905	-	17.97	
Head	LTE Band 41	F	0007M	-0.01	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	50	0	19.00	18.63	0	0	Right Tilt	0.784	0.854	0.965	-	17.70	
Head	LTE Band 41	F	0007M	-0.02	63.3%	63.3%	2593	40620	QPSK - 20 MHz	50	0	19.00	18.84	0	0	Right Tilt	0.574	0.596	0.673	-	19.26	
Head	LTE Band 41	F	0007M	-0.02	63.3%	63.3%	2636.5	41055	QPSK - 20 MHz	50	0	19.00	18.86	0	0	Right Tilt	0.450	0.465	0.525	-	20.34	
Head	LTE Band 41	F	0007M	-0.08	63.3%	63.3%	2680	41490	QPSK - 20 MHz	50	0	19.00	18.58	0	0	Right Tilt	0.297	0.327	0.370	-	21.86	
Head	LTE Band 41	F	0007M	0.02	63.3%	63.3%	2506	39750	QPSK - 20 MHz	100	0	19.00	18.75	0	0	Right Tilt	0.715	0.757	0.855	-	18.22	
Head	LTE Band 41	F	0007M	0.07	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	19.00	18.85	0	0	Left Cheek	0.336	0.348	0.393	-	21.60	
Head	LTE Band 41	F	0007M	0.06	63.3%	63.3%	2506	39750	QPSK - 20 MHz	50	25	19.00	18.87	0	0	Left Cheek	0.345	0.355	0.401	-	21.50	
Head	LTE Band 41	F	0007M	0.07	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	19.00	18.85	0	0	Left Tilt	0.337	0.349	0.394	-	21.58	
Head	LTE Band 41	F	0007M	0.03	63.3%	63.3%	2506	39750	QPSK - 20 MHz	50	25	19.00	18.87	0	0	Left Tilt	0.345	0.355	0.401	-	21.50	
Body-worn/Hotspot	LTE Band 41	F	0390M	-0.05	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	21.50	21.37	0	5	Back	0.755	0.778	0.879	-	20.60	
Body-worn/Hotspot	LTE Band 41	F	0390M	0.00	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	1	0	21.50	21.17	0	5	Back	0.888	0.958	1.083	32	19.69	
Body-worn/Hotspot	LTE Band 41	F	0390M	0.00	63.3%	63.3%	2593	40620	QPSK - 20 MHz	1	0	21.50	21.31	0	5	Back	0.682	0.712	0.805	-	20.98	
Body-worn/Hotspot	LTE Band 41	F	0390M	-0.02	63.3%	63.3%	2636.5	41055	QPSK - 20 MHz	1	0	21.50	21.36	0	5	Back	0.614	0.634	0.716	-	21.49	
Body-worn/Hotspot	LTE Band 41	F	0390M	0.02	63.3%	63.3%	2680	41490	QPSK - 20 MHz	1	0	21.50	21.03	0	5	Back	0.560	0.624	0.705	-	21.56	
Body-worn/Hotspot	LTE Band 41	F	0390M	-0.03	63.3%	63.3%	2506	39750	QPSK - 20 MHz	50	0	21.50	21.36	0	5	Back	0.818	0.845	0.955	-	20.24	
Body-worn/Hotspot	LTE Band 41	F	0390M	0.01	63.3%	63.3%	2549.5	40185	QPSK - 20 MHz	50	0	21.50	21.12	0	5	Back	0.851	0.929	1.050	-	19.83	
Body-worn/Hotspot	LTE Band 41	F	0390M	0.02	63.3%	63.3%	2593	40620	QPSK - 20 MHz	50	0	21.50	21.31	0	5	Back	0.685	0.716	0.809	-	20.96	
Body-worn/Hotspot	LTE Band 41	F	0390M	0.00	63.3%	63.3%	2636.5	41055	QPSK - 20 MHz	50	50	21.50	21.34	0	5	Back	0.596	0.618	0.698	-	21.60	
Body-worn/Hotspot	LTE Band 41	F	0390M	0.03	63.3%	63.3%	2680	41490	QPSK - 20 MHz	50	0	21.50	21.04	0	5	Back	0.556	0.618	0.698	-	21.60	
Body-worn/Hotspot	LTE Band 41	F	0390M	0.01	63.3%	63.3%	2506	39750	QPSK - 20 MHz	100	0	21.50	21.23	0	5	Back	0.783	0.833	0.941	-	20.30	
Body-worn/Hotspot	LTE Band 41	F	0007M	-0.01	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	21.50	21.37	0	5	Front	0.456	0.470	0.531	-	22.79	
Body-worn/Hotspot	LTE Band 41	F	0007M	0.01	63.3%	63.3%	2506	39750	QPSK - 20 MHz	50	0	21.50	21.36	0	5	Front	0.484	0.500	0.565	-	22.52	
Hotspot	LTE Band 41	F	0007M	-0.01	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	21.50	21.37	0	10	Top	0.373	0.384	0.434	-	23.66	
Hotspot	LTE Band 41	F	0007M	0.00	63.3%	63.3%	2506	39750	QPSK - 20 MHz	50	0	21.50	21.36	0	10	Top	0.387	0.400	0.452	-	23.49	
Hotspot	LTE Band 41	F	0007M	-0.04	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	21.50	21.37	0	10	Left	0.030	0.031	0.035	-	34.61	
Hotspot	LTE Band 41	F	0007M	0.08	63.3%	63.3%	2506	39750	QPSK - 20 MHz	50	0	21.50	21.36	0	10	Left	0.033	0.034	0.038	-	34.18	



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Table 3-16

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift (dB)	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPR (dB)	Separation Distance (mm)	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg P1mit (dBm)	PartD Overall Frame Avg P1mit (dBm)
Head	LTE Band 48	F	0022M	0.01	63.3%	63.3%	3560	55340	QPSK - 20 MHz	1	50	18.00	17.19	0	0	Right Cheek	0.599	0.722	0.816	-	17.42	
Head	LTE Band 48	F	0022M	-0.08	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	1	50	18.00	17.41	0	0	Right Cheek	0.665	0.762	0.861	-	17.19	
Head	LTE Band 48	F	0022M	0.01	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	1	50	18.00	17.32	0	0	Right Cheek	0.543	0.633	0.715	-	18.00	
Head	LTE Band 48	F	0022M	-0.02	63.3%	63.3%	3690	56640	QPSK - 20 MHz	1	0	18.00	17.22	0	0	Right Cheek	0.539	0.648	0.729	-	17.91	
Head	LTE Band 48	F	0022M	0.07	63.3%	63.3%	3560	55340	QPSK - 20 MHz	50	25	18.00	17.35	0	0	Right Cheek	0.566	0.657	0.742	-	17.83	
Head	LTE Band 48	F	0022M	0.05	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	50	25	18.00	17.48	0	0	Right Cheek	0.597	0.673	0.760	-	17.73	
Head	LTE Band 48	F	0022M	-0.04	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	50	50	18.00	17.34	0	0	Right Cheek	0.543	0.632	0.714	-	18.00	
Head	LTE Band 48	F	0022M	-0.05	63.3%	63.3%	3690	56640	QPSK - 20 MHz	50	25	18.00	17.30	0	0	Right Cheek	0.473	0.556	0.628	-	18.56	
Head	LTE Band 48	F	0022M	-0.03	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	100	0	18.00	17.40	0	0	Right Cheek	0.576	0.666	0.746	-	17.81	
Head	LTE Band 48	F	0022M	0.18	63.3%	63.3%	3560	55340	QPSK - 20 MHz	1	50	18.00	17.19	0	0	Right Tilt	0.849	1.023	1.156	33	15.91	
Head	LTE Band 48	F	0022M	-0.01	63.3%	63.3%	PCC-3560 SCC-3579.8	PCC-55340 SCC-55538	QPSK, ULCA ABC- PCC: 20 MHz, SCC: 20 MHz	PCC-1 SCC-1	PCC-99 SCC-0	18.00	17.20	0	0	Right Tilt	0.832	1.000	1.130	-	16.01	
Head	LTE Band 48	F	0022M	-0.01	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	1	50	18.00	17.41	0	0	Right Tilt	0.815	0.934	1.055	-	16.31	
Head	LTE Band 48	F	0022M	-0.03	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	1	50	18.00	17.32	0	0	Right Tilt	0.726	0.849	0.959	-	16.72	
Head	LTE Band 48	F	0022M	0.05	63.3%	63.3%	3690	56640	QPSK - 20 MHz	1	0	18.00	17.22	0	0	Right Tilt	0.701	0.839	0.948	-	16.77	
Head	LTE Band 48	F	0022M	0.06	63.3%	63.3%	3560	55340	QPSK - 20 MHz	50	25	18.00	17.35	0	0	Right Tilt	0.755	0.877	0.991	-	16.58	
Head	LTE Band 48	F	0022M	0.00	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	50	25	18.00	17.48	0	0	Right Tilt	0.798	0.900	1.017	-	16.47	
Head	LTE Band 48	F	0022M	0.01	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	50	50	18.00	17.34	0	0	Right Tilt	0.742	0.864	0.976	-	16.64	
Head	LTE Band 48	F	0022M	0.01	63.3%	63.3%	3690	56640	QPSK - 20 MHz	50	25	18.00	17.30	0	0	Right Tilt	0.651	0.765	0.864	-	17.17	
Head	LTE Band 48	F	0022M	-0.01	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	100	0	18.00	17.40	0	0	Right Tilt	0.791	0.908	1.026	-	16.43	
Head	LTE Band 48	F	0022M	0.01	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	1	50	18.00	17.41	0	0	Left Cheek	0.343	0.393	0.444	-	20.07	
Head	LTE Band 48	F	0022M	0.07	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	50	25	18.00	17.48	0	0	Left Cheek	0.331	0.373	0.421	-	20.29	
Head	LTE Band 48	F	0022M	-0.12	63.3%	63.3%	3560	55340	QPSK - 20 MHz	1	50	18.00	17.19	0	0	Left Tilt	0.424	0.511	0.577	-	18.93	
Head	LTE Band 48	F	0022M	-0.01	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	1	50	18.00	17.41	0	0	Left Tilt	0.450	0.535	0.582	-	18.89	
Head	LTE Band 48	F	0022M	0.09	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	1	50	18.00	17.32	0	0	Left Tilt	0.360	0.441	0.476	-	19.77	
Head	LTE Band 48	F	0022M	-0.00	63.3%	63.3%	3690	56640	QPSK - 20 MHz	1	0	18.00	17.22	0	0	Left Tilt	0.357	0.427	0.483	-	19.70	
Head	LTE Band 48	F	0022M	0.00	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	50	25	18.00	17.48	0	0	Left Tilt	0.403	0.454	0.513	-	19.44	
Head	LTE Band 48	F	0022M	0.04	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	100	0	18.00	17.40	0	0	Left Tilt	0.399	0.458	0.518	-	19.40	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.10	63.3%	63.3%	3560	55340	QPSK - 20 MHz	1	99	21.00	19.44	0	5	Back	0.804	1.151	1.301	34	18.40	
Body-worn/Hotspot	LTE Band 48	F	0022M	0.09	63.3%	63.3%	PCC-3560 SCC-3579.8	PCC-55340 SCC-55538	QPSK, ULCA ABC- PCC: 20 MHz, SCC: 20 MHz	PCC-1 SCC-1	PCC-99 SCC-0	21.00	19.28	0	5	Back	0.774	1.150	1.300	1	18.40	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.10	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	1	50	21.00	19.38	0	5	Back	0.699	1.015	1.147	-	18.94	
Body-worn/Hotspot	LTE Band 48	F	0022M	0.01	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	1	50	21.00	19.35	0	5	Back	0.659	0.964	1.089	-	19.17	
Body-worn/Hotspot	LTE Band 48	F	0022M	0.07	63.3%	63.3%	3690	56640	QPSK - 20 MHz	1	50	21.00	19.22	0	5	Back	0.614	0.925	1.045	-	19.35	
Body-worn/Hotspot	LTE Band 48	F	0022M	0.00	63.3%	63.3%	3560	55340	QPSK - 20 MHz	50	50	21.00	19.36	0	5	Back	0.625	0.912	1.031	-	19.41	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.05	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	50	25	21.00	19.55	0	5	Back	0.665	0.949	1.050	-	19.33	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.01	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	50	50	21.00	19.50	0	5	Back	0.630	0.890	1.006	-	19.52	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.02	63.3%	63.3%	3690	56640	QPSK - 20 MHz	50	25	21.00	19.36	0	5	Back	0.557	0.813	0.919	-	19.91	
Body-worn/Hotspot	LTE Band 48	F	0022M	0.00	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	100	0	21.00	19.43	0	5	Back	0.660	0.947	1.070	-	19.24	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.03	63.3%	63.3%	3560	55340	QPSK - 20 MHz	1	99	21.00	19.44	0	5	Front	0.413	0.591	0.668	-	21.29	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.04	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	50	50	21.00	19.36	0	5	Front	0.429	0.626	0.707	-	21.04	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.08	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	50	25	21.00	19.55	0	5	Front	0.442	0.617	0.697	-	21.10	
Body-worn/Hotspot	LTE Band 48	F	0022M	0.03	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	50	50	21.00	19.50	0	5	Front	0.397	0.561	0.634	-	21.52	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.07	63.3%	63.3%	3690	56640	QPSK - 20 MHz	50	25	21.00	19.36	0	5	Front	0.344	0.502	0.567	-	22.00	
Body-worn/Hotspot	LTE Band 48	F	0022M	-0.01	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	100	0	21.00	19.43	0	5	Front	0.432	0.620	0.701	-	21.08	
Hotspot	LTE Band 48	F	0022M	-0.11	63.3%	63.3%	3560	55340	QPSK - 20 MHz	1	99	21.00	19.44	0	10	Top	0.356	0.510	0.576	-	21.93	
Hotspot	LTE Band 48	F	0022M	0.01	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	50	25	21.00	19.55	0	10	Top	0.371	0.518	0.585	-	21.87	
Hotspot	LTE Band 48	F	0022M	0.03	63.3%	63.3%	3560	55340	QPSK - 20 MHz	1	99	21.00	19.44	0	10	Left	0.063	0.090	0.102	-	29.46	
Hotspot	LTE Band 48	F	0022M	-0.01	63.3%	63.3%	3603.3	55773	QPSK - 20 MHz	50	25	21.00	19.55	0	10	Left	0.053	0.074	0.084	-	30.32	

3.4. NR SAR Data

Table 3-17

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPR [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg P1mit [dBm]	PartD Overall Frame Avg P1mit [dBm]
Head	NR Band n71	A	0058M	-0.06	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	25.00	23.77	0	0	Right Cheek	0.069	0.092	0.200	-	35.38	33.63
Head	NR Band n71	A	0058M	-0.05	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	25.00	23.55	0	0	Right Cheek	0.084	0.117	0.257	-	34.30	
Head	NR Band n71	A	0058M	-0.03	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	25.00	23.77	0	0	Right Tilt	0.034	0.045	0.099	-	38.45	
Head	NR Band n71	A	0058M	0.15	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	25.00	23.55	0	0	Right Tilt	0.042	0.059	0.128	-	37.31	
Head	NR Band n71	A	0058M	-0.05	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	25.00	23.77	0	0	Left Cheek	0.083	0.110	0.241	-	34.57	
Head	NR Band n71	A	0058M	-0.13	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	25.00	23.55	0	0	Left Cheek	0.098	0.137	0.299	-	33.63	
Head	NR Band n71	A	0058M	-0.02	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	25.00	23.77	0	0	Left Tilt	0.046	0.063	0.134	-	37.14	
Head	NR Band n71	A	0058M	-0.02	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	25.00	23.55	0	0	Left Tilt	0.053	0.074	0.162	-	36.30	
Body-worn/Hotspot	NR Band n71	A	0058M	-0.03	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	24.00	22.35	0	5	Back	0.265	0.387	0.437	-	28.11	
Body-worn/Hotspot	NR Band n71	A	0058M	-0.02	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	24.00	22.57	0	5	Back	0.316	0.439	0.496	-	27.57	
Body-worn/Hotspot	NR Band n71	A	0058M	0.03	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	24.00	22.35	0	5	Front	0.140	0.205	0.232	-	30.88	
Body-worn/Hotspot	NR Band n71	A	0058M	0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	24.00	22.57	0	5	Front	0.161	0.224	0.253	-	30.50	
Hotspot	NR Band n71	A	0058M	0.08	100.0%	210.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	24.00	22.35	0	5	Bottom	0.025	0.035	0.040	-	38.01	
Hotspot	NR Band n71	A	0058M	-0.02	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	24.00	22.57	0	10	Bottom	0.025	0.035	0.040	-	38.59	
Hotspot	NR Band n71	A	0058M	0.05	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	24.00	22.35	0	10	Right	0.082	0.120	0.136	-	33.21	
Hotspot	NR Band n71	A	0058M	0.12	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	24.00	22.57	0	10	Right	0.097	0.135	0.153	-	32.70	
Hotspot	NR Band n71	A	0058M	0.00	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	24.00	22.35	0	10	Left	0.169	0.247	0.279	-	30.07	
Hotspot	NR Band n71	A	0058M	0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	49	24.00	22.57	0	10	Left	0.172	0.239	0.270	-	30.21	
Head	NR Band n71	E	0058M	-0.02	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	94	20.00	18.61	0	0	Right Cheek	0.128	0.183	0.433	-	24.78	
Head	NR Band n71	E	0058M	-0.02	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	0	20.00	18.93	0	0	Right Cheek	0.228	0.292	0.330	-	25.35	
Head	NR Band n71	E	0058M	-0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	94	20.00	18.61	0	0	Right Tilt	0.253	0.348	0.393	-	24.57	
Head	NR Band n71	E	0058M	-0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	0	20.00	18.93	0	0	Right Tilt	0.209	0.267	0.302	-	25.72	
Head	NR Band n71	E	0132M	0.05	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	94	20.00	18.61	0	0	Left Cheek	0.491	0.676	0.764	-	21.69	
Head	NR Band n71	E	0132M	0.05	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	0	20.00	18.93	0	0	Left Cheek	0.528	0.676	0.764	35	21.70	
Head	NR Band n71	E	0058M	-0.03	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	94	20.00	18.61	0	0	Left Tilt	0.370	0.510	0.576	-	22.92	
Head	NR Band n71	E	0058M	-0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	0	20.00	18.93	0	0	Left Tilt	0.434	0.589	0.639	-	23.66	
Body-worn/Hotspot	NR Band n71	E	0132M	-0.04	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	22.00	20.72	0	5	Back	0.434	0.583	0.659	-	24.34	
Body-worn/Hotspot	NR Band n71	E	0132M	-0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	0	22.00	20.80	0	5	Back	0.507	0.668	0.755	36	23.74	
Body-worn/Hotspot	NR Band n71	E	0058M	-0.03	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	22.00	20.72	0	5	Front	0.175	0.235	0.266	-	28.28	
Body-worn/Hotspot	NR Band n71	E	0058M	-0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	0	22.00	20.80	0	5	Front	0.233	0.307	0.347	-	27.12	
Hotspot	NR Band n71	E	0058M	-0.11	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	22.00	20.72	0	0	Top	0.083	0.111	0.125	-	33.52	
Hotspot	NR Band n71	E	0058M	-0.04	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	0	22.00	20.80	0	0	Right	0.109	0.144	0.161	-	30.43	
Hotspot	NR Band n71	E	0058M	0.06	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	1	1	22.00	20.72	0	0	Right	0.109	0.146	0.165	-	30.34	
Hotspot	NR Band n71	E	0058M	0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 35 MHz	90	0	22.00	20.80	0	10	Right	0.144	0.190	0.215	-	29.21	



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Table 3-18

Exposure Condition	Band/Mode	Antenna	Additional Information	DUT SN	Power Drift (dB)	Maximum Duty Cycle (%)	Configured Duty Cycle (%)	Frequency (MHz)	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPE (dB)	Separation Distance (mm)	Position	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Adjusted 1g SAR (W/kg)	Test Plot	Part0 Frame Avg Plimit (dBm)	Part0 Overall Frame Avg Plimit (dBm)
Head	NR Band n12	A	-	0155M	-0.04	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	0	Right Cheek	0.103	0.149	0.291	-	33.26	33.13
Head	NR Band n12	A	-	0155M	0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	0	Right Cheek	0.096	0.142	0.278	-	33.46	
Head	NR Band n12	A	-	0155M	-0.05	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	0	Right Tilt	0.066	0.096	0.186	-	35.19	
Head	NR Band n12	A	-	0155M	0.00	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	0	Right Tilt	0.049	0.073	0.142	-	36.38	
Head	NR Band n12	A	-	0155M	0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	0	Left Cheek	0.106	0.154	0.299	-	33.13	
Head	NR Band n12	A	-	0155M	0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	0	Left Cheek	0.099	0.145	0.283	-	33.37	
Head	NR Band n12	A	-	0155M	0.00	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	0	Left Tilt	0.065	0.094	0.184	-	35.26	
Head	NR Band n12	A	-	0155M	0.10	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	0	Left Tilt	0.062	0.092	0.179	-	35.36	
Body-worn/Hotspot	NR Band n12	A	-	0155M	0.00	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	5	Back	0.514	0.745	0.966	-	26.28	
Body-worn/Hotspot	NR Band n12	A	-	0155M	0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	5	Back	0.519	0.749	0.968	-	26.28	
Body-worn/Hotspot	NR Band n12	A	-	0155M	-0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	5	Front	0.237	0.343	0.445	-	29.64	
Body-worn/Hotspot	NR Band n12	A	-	0155M	-0.03	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	5	Front	0.235	0.348	0.452	-	29.57	
Hotspot	NR Band n12	A	-	0155M	0.12	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	10	Bottom	0.034	0.049	0.064	-	38.07	26.13
Hotspot	NR Band n12	A	-	0155M	0.09	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	10	Bottom	0.032	0.047	0.063	-	38.23	
Hotspot	NR Band n12	A	-	0155M	-0.14	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	10	Right	0.159	0.230	0.299	-	31.37	
Hotspot	NR Band n12	A	-	0155M	0.05	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	10	Right	0.192	0.285	0.369	-	30.45	
Hotspot	NR Band n12	A	-	0155M	0.03	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	25.00	23.39	0	10	Left	0.218	0.316	0.410	-	30.00	
Hotspot	NR Band n12	E	-	0155M	0.04	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	25.00	23.29	0	10	Left	0.208	0.308	0.400	-	30.10	
Head	NR Band n12	E	-	0055M	0.03	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	20.00	18.96	0	0	Right Cheek	0.450	0.572	0.646	-	22.42	
Head	NR Band n12	E	-	0055M	0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	0	20.00	18.94	0	0	Right Cheek	0.453	0.578	0.653	-	22.37	
Head	NR Band n12	E	-	0055M	0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	20.00	18.96	0	0	Right Tilt	0.353	0.449	0.507	-	23.48	
Head	NR Band n12	E	-	0055M	0.01	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	0	20.00	18.94	0	0	Right Tilt	0.362	0.462	0.522	-	23.35	
Head	NR Band n12	E	-	0055M	0.03	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	20.00	18.96	0	0	Left Cheek	0.659	0.836	0.933	-	20.83	20.67
Head	NR Band n12	E	-	0055M	0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	0	20.00	18.94	0	0	Left Cheek	0.661	0.844	0.954	37	20.73	
Head	NR Band n12	E	-	0055M	0.03	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	75	0	20.00	18.78	0	0	Left Cheek	0.646	0.856	0.967	-	20.67	
Head	NR Band n12	E	-	0055M	-0.11	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	20.00	18.96	0	0	Left Tilt	0.427	0.555	0.627	-	22.55	
Head	NR Band n12	E	-	0055M	0.11	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	0	20.00	18.94	0	0	Left Tilt	0.427	0.545	0.616	-	22.63	
Body-worn/Hotspot	NR Band n12	E	-	0055M	-0.01	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	23.00	21.66	0	5	Back	0.780	1.062	1.200	-	22.73	
Body-worn/Hotspot	NR Band n12	E	-	0055M	-0.16	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	23.00	21.97	0	5	Back	0.865	1.097	1.240	38	22.59	
Body-worn/Hotspot	NR Band n12	E	Variability	0055M	0.04	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	23.00	21.97	0	5	Back	0.823	1.043	1.179	-	22.81	
Body-worn/Hotspot	NR Band n12	E	-	0055M	0.03	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	75	0	23.00	21.64	0	5	Back	0.814	1.113	1.258	-	22.53	
Body-worn/Hotspot	NR Band n12	E	-	0055M	-0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	23.00	21.66	0	5	Front	0.621	0.845	0.955	-	23.72	
Body-worn/Hotspot	NR Band n12	E	-	0055M	0.00	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	23.00	21.97	0	5	Front	0.657	0.833	0.941	-	23.79	22.53
Body-worn/Hotspot	NR Band n12	E	-	0055M	0.09	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	75	0	23.00	21.64	0	5	Front	0.607	0.798	0.906	-	23.59	
Body-worn/Hotspot	NR Band n12	E	-	0055M	0.08	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	23.00	21.66	0	10	Top	0.338	0.455	0.514	-	26.42	
Hotspot	NR Band n12	E	-	0055M	-0.02	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	23.00	21.97	0	10	Top	0.365	0.463	0.523	-	26.34	
Hotspot	NR Band n12	E	-	0055M	0.05	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	1	1	23.00	21.66	0	10	Right	0.407	0.554	0.626	-	25.56	
Hotspot	NR Band n12	E	-	0055M	-0.04	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	23.00	21.97	0	10	Right	0.400	0.507	0.573	-	25.94	

Table 3-19

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPE [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg Plimit [dBm]	Part0 Overall Frame Avg Plimit [dBm]	
Head	NR Band n14	A	0155M	0.01	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.52	0	0	Right Cheek	0.129	0.181	0.300	-	32.41	32.41	
Head	NR Band n14	A	0155M	-0.03	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	0	Right Cheek	0.122	0.171	0.283	-	32.66		
Head	NR Band n14	A	0155M	0.05	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.52	0	0	Right Tilt	0.070	0.098	0.163	-	35.06		
Head	NR Band n14	A	0155M	0.03	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	0	Right Tilt	0.063	0.088	0.146	-	35.53		
Head	NR Band n14	E	0155M	0.08	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.52	0	0	Left Cheek	0.106	0.149	0.246	-	33.26		
Head	NR Band n14	E	0155M	-0.01	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	0	Left Cheek	0.102	0.143	0.236	-	33.44		
Head	NR Band n14	A	0155M	0.05	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.52	0	0	Left Tilt	0.057	0.080	0.132	-	35.96		
Head	NR Band n14	A	0155M	0.03	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	0	Left Tilt	0.050	0.070	0.116	-	36.54		
Body-worn/Hotspot	NR Band n14	A	0155M	-0.03	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.52	0	5	Back	0.750	1.055	1.055	-	24.76		
Body-worn/Hotspot	NR Band n14	A	0155M	-0.10	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	5	Back	0.725	1.017	1.017	-	24.92		
Body-worn/Hotspot	NR Band n14	A	0155M	-0.02	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	50	0	24.00	22.36	1	5	Back	0.576	0.840	0.999	-	24.75		
Body-worn/Hotspot	NR Band n14	A	0155M	0.07	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.52	0	5	Front	0.355	0.499	0.499	-	28.01		
Body-worn/Hotspot	NR Band n14	A	0155M	-0.16	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	5	Front	0.343	0.481	0.481	-	28.17	24.75	
Hotspot	NR Band n14	A	0155M	0.15	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.52	0	10	Bottom	0.100	0.141	0.141	-	33.52		
Hotspot	NR Band n14	A	0155M	-0.12	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	10	Bottom	0.102	0.143	0.143	-	33.44		
Hotspot	NR Band n14	A	0155M	-0.08	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.53	0	10	Right	0.163	0.229	0.229	-	31.39		
Hotspot	NR Band n14	A	0155M	0.02	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	10	Right	0.149	0.209	0.209	-	31.79		
Hotspot	NR Band n14	E	0155M	0.04	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	25.00	23.52	0	10	Left	0.141	0.198	0.198	-	32.03		
Hotspot	NR Band n14	E	0155M	0.07	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	25.00	23.53	0	10	Left	0.125	0.175	0.175	-	32.58		
Head	NR Band n14	E	0055M	-0.03	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	21.50	19.56	0	0	Right Cheek	0.455	0.711	0.803	-	22.97		
Head	NR Band n14	E	0055M	-0.05	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	0	21.50	19.87	0	0	Right Cheek	0.452	0.658	0.744	-	23.31		
Head	NR Band n14	E	0055M	0.00	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	21.50	19.56	0	0	Right Tilt	0.413	0.646	0.730	-	23.40		
Head	NR Band n14	E	0055M	-0.02	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	0	21.50	19.87	0	0	Right Tilt	0.428	0.623	0.704	-	23.55		
Head	NR Band n14	E	0055M	0.03	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	21.50	19.56	0	0	Left Cheek	0.561	0.880	0.980	-	22.06	22.05	
Head	NR Band n14	E	0055M	0.02	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	0	21.50	19.87	0	0	Left Cheek	0.526	0.817	0.923	-	22.38		
Head	NR Band n14	E	0055M	0.01	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	50	0	21.50	19.55	0	0	Left Cheek	0.561	0.879	0.993	-	22.06		
Head	NR Band n14	E	0055M	-0.04	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	21.50	19.56	0	0	Left Tilt	0.430	0.672	0.759	-	23.22		
Head	NR Band n14	E	0055M	0.04	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	0	21.50	19.87	0	0	Left Tilt	0.431	0.627	0.709	-	23.52		
Body-worn/Hotspot	NR Band n14	E	0155M	0.00	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	22.00	20.84	0	5	Back	0.755	0.986	1.114	40	22.06		
Body-worn/Hotspot	NR Band n14	E	0155M	0.09	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	22.00	20.87	0	5	Back	0.715	0.929	1.040	-	22.15		
Body-worn/Hotspot	NR Band n14	E	0155M	-0.02	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	50	0	22.00	20.82	0	5	Back	0.730	0.958	1.083	-	22.18		
Body-worn/Hotspot	NR Band n14	E	0155M	-0.06	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	22.00	20.84	0	5	Front	0.486	0.635	0.718	-	23.97		
Body-worn/Hotspot	NR Band n14	E	0155M	-0.01	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	22.00	20.87	0	5	Front	0.468	0.607	0.686	-	24.16		22.06
Hotspot	NR Band n14	E	0055M	-0.01	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	22.00	20.84	0	10	Top	0.359	0.469	0.530	-	25.28		
Hotspot	NR Band n14	E	0055M	0.00	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	22.00	20.87	0	10	Top	0.347	0.450	0.509	-	25.46		
Hotspot	NR Band n14	E	0055M	0.04	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	1	22.00	20.84	0	10	Right	0.440	0.609	0.680	-	24.61		
Hotspot	NR Band n14	E	0055M	-0.02	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	14	22.00	20.87	0	10	Right	0.473	0.616	0.698	-	24.12		



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Table 3-20

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift (dB)	Maximum Duty Cycle (%)	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPR (dB)	Separation Distance (mm)	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg P1mit (dBm)	Part0 Overall Frame Avg P1mit (dBm)
Head	NR Band n26	A	0155M	-0.05	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	0	Right Cheek	0.132	0.188	0.300	-	32.26	32.26
Head	NR Band n26	A	0155M	0.04	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	0	Right Cheek	0.135	0.186	0.297	-	32.30	
Head	NR Band n26	A	0155M	0.04	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	0	Right Tilt	0.070	0.100	0.159	-	35.01	
Head	NR Band n26	A	0155M	0.00	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	0	Right Tilt	0.072	0.099	0.158	-	35.03	
Head	NR Band n26	A	0155M	-0.02	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	0	Left Cheek	0.120	0.171	0.272	-	32.67	
Head	NR Band n26	A	0155M	-0.03	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	0	Left Cheek	0.121	0.167	0.266	-	32.78	
Head	NR Band n26	A	0155M	-0.01	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	0	Left Tilt	0.067	0.095	0.152	-	35.20	
Head	NR Band n26	A	0155M	0.03	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	0	Left Tilt	0.068	0.094	0.149	-	35.28	
Body-worn/Hotspot	NR Band n26	A	0155M	-0.01	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	5	Back	0.706	1.004	1.004	-	24.88	
Body-worn/Hotspot	NR Band n26	A	0155M	0.06	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	5	Back	0.709	0.976	0.976	42	25.10	
Body-worn/Hotspot	NR Band n26	A	0155M	-0.02	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	100	0	24.00	22.62	1	5	Back	0.549	0.754	0.945	-	25.22	
Body-worn/Hotspot	NR Band n26	A	0155M	-0.03	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	5	Front	0.334	0.475	0.475	-	28.23	24.98
Body-worn/Hotspot	NR Band n26	A	0155M	-0.01	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	5	Front	0.338	0.465	0.465	-	28.32	
Hotspot	NR Band n26	A	0155M	0.05	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	10	Bottom	0.073	0.104	0.104	-	34.83	
Hotspot	NR Band n26	A	0155M	0.06	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	10	Bottom	0.074	0.102	0.102	-	34.91	
Hotspot	NR Band n26	A	0155M	0.00	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	10	Right	0.219	0.311	0.311	-	30.06	
Hotspot	NR Band n26	A	0155M	-0.04	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	10	Right	0.217	0.299	0.299	-	30.24	
Hotspot	NR Band n26	A	0155M	-0.10	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	25.00	23.47	0	10	Left	0.152	0.216	0.216	-	31.65	
Hotspot	NR Band n26	A	0155M	0.04	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	28	25.00	23.61	0	10	Left	0.155	0.213	0.213	-	31.70	
Head	NR Band n26	E	0144M	-0.02	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.00	19.01	0	0	Right Cheek	0.407	0.644	0.728	-	22.91	21.64
Head	NR Band n26	E	0144M	0.03	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	21.00	19.02	0	0	Right Cheek	0.424	0.669	0.756	-	22.74	
Head	NR Band n26	E	0144M	0.09	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.00	19.01	0	0	Right Tilt	0.330	0.522	0.590	-	23.82	
Head	NR Band n26	E	0144M	-0.01	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	21.00	19.02	0	0	Right Tilt	0.348	0.549	0.620	-	23.60	
Head	NR Band n26	E	0144M	0.00	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.00	19.01	0	0	Left Cheek	0.519	0.821	0.928	-	21.85	
Head	NR Band n26	E	0144M	-0.04	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	21.00	19.02	0	0	Left Cheek	0.546	0.861	0.973	41	21.64	
Head	NR Band n26	E	0144M	0.02	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	100	0	21.00	19.00	0	0	Left Cheek	0.523	0.826	0.933	-	21.83	
Head	NR Band n26	E	0144M	-0.19	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.00	19.01	0	0	Left Tilt	0.465	0.735	0.831	-	22.33	
Head	NR Band n26	E	0144M	-0.10	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	21.00	19.02	0	0	Left Tilt	0.483	0.762	0.861	-	22.18	
Body-worn/Hotspot	NR Band n26	E	0155M	0.01	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.00	19.01	0	5	Back	0.442	0.699	0.790	-	22.55	
Body-worn/Hotspot	NR Band n26	E	0155M	0.00	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	21.00	19.02	0	5	Back	0.449	0.708	0.800	-	22.49	
Body-worn/Hotspot	NR Band n26	E	0155M	-0.02	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.00	19.01	0	5	Front	0.581	0.919	1.038	-	21.36	21.24
Body-worn/Hotspot	NR Band n26	E	0155M	-0.01	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	21.00	19.02	0	5	Front	0.596	0.940	1.062	-	21.26	
Body-worn/Hotspot	NR Band n26	E	0155M	0.06	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	100	0	21.00	19.00	0	5	Front	0.597	0.946	1.069	-	21.24	
Hotspot	NR Band n26	E	0055M	0.02	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.00	19.01	0	10	Top	0.310	0.490	0.554	-	24.09	
Hotspot	NR Band n26	E	0055M	-0.01	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	21.00	19.02	0	10	Top	0.317	0.500	0.565	-	24.00	
Hotspot	NR Band n26	E	0055M	0.03	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.00	19.01	0	10	Right	0.349	0.551	0.624	-	23.58	
Hotspot	NR Band n26	E	0055M	0.05	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	21.00	19.02	0	10	Right	0.359	0.566	0.640	-	23.46	

Table 3-21

Exposure Condition	Band/Mode	Antenna	Additional Information	DUT SN	Power Drift (dB)	Maximum Duty Cycle (%)	Configured Duty Cycle (%)	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPR (dB)	Separation Distance (mm)	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg P1mit (dBm)	Part0 Overall Frame Avg P1mit (dBm)
Head	NR Band n70	A	-	0055M	-0.04	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	77	24.50	23.19	0	0	Right Cheek	0.091	0.123	0.153	-	33.59	30.68
Head	NR Band n70	A	-	0055M	-0.04	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	24.50	23.23	0	0	Right Cheek	0.089	0.119	0.148	-	33.73	
Head	NR Band n70	A	-	0055M	0.07	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	77	24.50	23.19	0	0	Right Tilt	0.066	0.089	0.111	-	34.99	
Head	NR Band n70	A	-	0055M	-0.06	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	24.50	23.23	0	0	Right Tilt	0.063	0.084	0.105	-	35.23	
Head	NR Band n70	A	-	0055M	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	77	24.50	23.19	0	0	Left Cheek	0.178	0.241	0.300	-	30.68	
Head	NR Band n70	A	-	0055M	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	24.50	23.23	0	0	Left Cheek	0.178	0.238	0.297	-	30.72	
Head	NR Band n70	A	-	0055M	-0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	77	24.50	23.19	0	0	Left Tilt	0.065	0.088	0.109	-	35.06	
Head	NR Band n70	A	-	0055M	0.11	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	24.50	23.23	0	0	Left Tilt	0.061	0.082	0.102	-	35.37	
Body-worn/Hotspot	NR Band n70	A	-	0151M	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	1	18.00	16.09	0	5	Back	0.740	1.149	1.298	-	17.39	
Body-worn/Hotspot	NR Band n70	A	-	0151M	-0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	43	18.00	16.12	0	5	Back	0.727	1.121	1.267	-	17.50	
Body-worn/Hotspot	NR Band n70	A	-	0151M	-0.03	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	18.00	16.06	0	5	Back	0.744	1.163	1.314	-	17.34	
Body-worn/Hotspot	NR Band n70	A	-	0151M	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	1	18.00	16.09	0	5	Front	0.689	1.070	1.209	-	17.70	
Body-worn/Hotspot	NR Band n70	A	-	0151M	-0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	43	18.00	16.12	0	5	Front	0.692	1.067	1.206	-	17.71	
Body-worn/Hotspot	NR Band n70	A	-	0151M	-0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	18.00	16.06	0	5	Front	0.695	1.086	1.227	-	17.54	
Hotspot	NR Band n70	A	-	0153M	0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	1	18.00	16.09	0	10	Bottom	0.488	0.758	0.857	-	19.20	
Hotspot	NR Band n70	A	-	0153M	-0.04	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	43	18.00	16.12	0	10	Bottom	0.496	0.765	0.864	-	19.16	
Hotspot	NR Band n70	A	-	0022M	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	1	18.00	16.09	0	10	Right	0.061	0.095	0.107	-	28.23	
Hotspot	NR Band n70	A	-	0022M	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	43	18.00	16.12	0	10	Right	0.064	0.099	0.112	-	28.05	
Hotspot	NR Band n70	A	-	0022M	-0.03	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	18.00	16.09	0	10	Left	0.309	0.588	0.904	-	25.07	
Hotspot	NR Band n70	A	-	0022M	0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	43	18.00	16.12	0	10	Left	0.309	0.588	0.904	-	25.07	
Head	NR Band n70	F	-	0022M	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	1	18.00	17.41	0	0	Right Cheek	0.776	0.881	0.996	-	18.55	
Head	NR Band n70	F	-	0022M	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	18.00	17.41	0	0	Right Cheek	0.781	0.895	1.011	-	18.48	
Head	NR Band n70	F	-	0022M	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	18.00	17.40	0	0	Right Cheek	0.852	0.978	1.105	-	18.09	
Head	NR Band n70	F	-	0022M	0.06	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	1	18.00	17.45	0	0	Right Tilt	0.885	1.004	1.135	-	17.98	
Head	NR Band n70	F	-	0022M	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	18.00	17.41	0	0	Right Tilt	0.890	1.020	1.153	-	17.91	
Head	NR Band n70	F	-	0022M	0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	18.00	17.40	0	0	Right Tilt	1.040	1.194	1.349	43	17.22	
Head	NR Band n70	F	Variability	0022M	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	18.00	17.40	0	0	Right Tilt	0.890	1.022	1.155	-	17.80	
Head	NR Band n70	F	-	0022M	-0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	1	18.00	17.45	0	0	Left Cheek	0.462	0.592	0.692	-	20.80	
Head	NR Band n70	F	-	0022M	-0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	18.00	17.41	0	0	Left Cheek	0.473	0.542	0.612	-	20.66	
Head	NR Band n70	F	-	0022M	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	1	18.00	17.41	0	0	Left Tilt	0.652	0.740	0.836	-	19.30	
Head	NR Band n70	F	-	0022M	-0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	18.00	17.41	0	0	Left Tilt	0.651	0.746	0.843	-	19.27	
Body-worn/Hotspot	NR Band n70	F	-	0022M	-0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	21.00	20.26	0	5	Back	0.805	1.024	1.214	-	20.68	
Body-worn/Hotspot	NR Band n70	F	-	0022M	0.03	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	21.00	20.30	0	5	Back	0.913	1.073	1.212	44	20.09	
Body-worn/Hotspot	NR Band n70	F	-	0022M	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	21.00	20.16	0	5	Back	0.897	1.088	1.229	-	20.63	
Body-worn/Hotspot	NR Band n70	F	-	0022M	-0.03	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	77	21.00	20.26	0	5	Front	0.779	0.924	1.044	-	21.34	
Body-worn/Hotspot	NR Band n70	F	-	0022M	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	21.00	20.30	0	5	Front	0.702	0.951	1.052	-	21.11	
Body-worn/Hotspot	NR Band n70	F	-	0022M	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	21.00	20.16	0	5	Front	0.792	0.961	1.086	-	21.17	
Hotspot	NR Band n70	F	-	0022M	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	77	21.00	20.26	0	10	Top	0.560	0.664	0.750	-	22.77	
Hotspot	NR Band n70	F	-	0022M	-0.17	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	21.00	20.30	0	10	Top	0.583	0.685	0.774	-	22.64	
Hotspot	NR Band n70	F	-	0022M	0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	21.00	20.16	0	10	Left	0.518	0.618	0.701	-	23.01	
Hotspot	NR Band n70	F	-	0022M	0.02	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	21.00	20.30	0	10	Left	0.553	0.680	0.803	-	28.45	



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Table 3-22

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPE [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg Plimit [dBm]	PartD Overall Frame Avg Plimit [dBm]
Head	NR Band n66	A	0153M	0.10	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	24.50	22.56	0	0	Right Cheek	0.097	0.152	0.168	-	32.69	30.17
Head	NR Band n66	A	0153M	0.09	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	24.50	22.54	0	0	Right Cheek	0.090	0.141	0.157	-	32.99	
Head	NR Band n66	A	0153M	0.14	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	24.50	22.56	0	0	Right Tilt	0.047	0.073	0.081	-	35.83	
Head	NR Band n66	A	0153M	-0.06	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	24.50	22.54	0	0	Right Tilt	0.048	0.075	0.084	-	35.72	
Head	NR Band n66	A	0153M	0.02	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	24.50	22.56	0	0	Left Cheek	0.173	0.270	0.300	-	30.17	
Head	NR Band n66	A	0153M	-0.00	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	24.50	22.54	0	0	Left Cheek	0.163	0.256	0.284	-	30.41	
Head	NR Band n66	A	0153M	-0.03	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	24.50	22.56	0	0	Left Tilt	0.044	0.069	0.076	-	36.12	
Head	NR Band n66	A	0153M	0.12	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	24.50	22.54	0	0	Left Tilt	0.041	0.064	0.071	-	36.41	
Body-worn/Hotspot	NR Band n66	A	0153M	-0.01	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	18.00	17.06	0	5	Back	0.832	1.033	1.167	46	17.85	
Body-worn/Hotspot	NR Band n66	A	0153M	-0.01	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.00	17.08	0	5	Back	0.754	0.952	1.053	-	18.30	
Body-worn/Hotspot	NR Band n66	A	0153M	0.02	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	240	0	18.00	17.05	0	5	Back	0.793	0.987	1.115	-	18.05	17.85
Body-worn/Hotspot	NR Band n66	A	0153M	-0.05	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	18.00	17.06	0	5	Front	0.647	0.803	0.907	-	18.95	
Body-worn/Hotspot	NR Band n66	A	0153M	-0.01	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.00	17.08	0	5	Front	0.613	0.758	0.857	-	19.20	
Body-worn/Hotspot	NR Band n66	A	0153M	-0.02	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	240	0	18.00	17.05	0	5	Front	0.640	0.796	0.899	-	18.98	
Hotspot	NR Band n66	A	0153M	0.09	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	18.00	17.06	0	10	Bottom	0.607	0.742	0.850	-	19.23	
Hotspot	NR Band n66	A	0153M	-0.03	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.00	17.08	0	10	Bottom	0.541	0.669	0.756	-	19.74	
Hotspot	NR Band n66	A	0153M	-0.05	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	18.00	17.06	0	10	Right	0.042	0.052	0.059	-	30.82	
Hotspot	NR Band n66	A	0153M	0.10	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.00	17.08	0	10	Right	0.041	0.051	0.058	-	30.95	
Hotspot	NR Band n66	A	0153M	0.15	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	1	18.00	17.06	0	10	Left	0.070	0.087	0.098	-	28.60	
Hotspot	NR Band n66	A	0153M	0.04	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.00	17.08	0	10	Left	0.066	0.082	0.093	-	28.88	18.50
Head	NR Band n66	F	0153M	0.05	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	121	17.50	16.71	0	0	Right Cheek	0.612	0.734	0.828	-	18.84	
Head	NR Band n66	F	0153M	-0.04	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	17.50	16.70	0	0	Right Cheek	0.597	0.718	0.811	-	18.94	
Head	NR Band n66	F	0153M	0.03	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	121	17.50	16.71	0	0	Right Tilt	0.662	0.794	0.897	45	18.50	
Head	NR Band n66	F	0153M	0.03	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	17.50	16.70	0	0	Right Tilt	0.659	0.792	0.895	-	18.51	
Head	NR Band n66	F	0153M	0.02	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	121	17.50	16.71	0	0	Left Cheek	0.369	0.443	0.501	-	21.03	
Head	NR Band n66	F	0153M	-0.12	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	121	17.50	16.70	0	0	Left Cheek	0.379	0.456	0.515	-	20.91	
Head	NR Band n66	F	0153M	0.07	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	121	17.50	16.71	0	0	Left Tilt	0.522	0.626	0.707	-	19.53	
Head	NR Band n66	F	0153M	0.04	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	17.50	16.70	0	0	Left Tilt	0.505	0.607	0.686	-	19.66	
Body-worn/Hotspot	NR Band n66	F	0153M	-0.04	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	240	18.50	17.71	0	5	Back	0.396	0.475	0.537	-	21.73	21.45
Body-worn/Hotspot	NR Band n66	F	0153M	-0.08	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.50	17.70	0	5	Back	0.398	0.479	0.541	-	21.70	
Body-worn/Hotspot	NR Band n66	F	0153M	-0.12	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	240	18.50	17.71	0	5	Front	0.407	0.488	0.551	-	21.61	
Body-worn/Hotspot	NR Band n66	F	0153M	0.04	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.50	17.70	0	5	Front	0.421	0.506	0.572	-	21.45	
Hotspot	NR Band n66	F	0153M	0.02	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	240	18.50	17.71	0	10	Top	0.314	0.377	0.426	-	22.74	
Hotspot	NR Band n66	F	0153M	-0.10	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.50	17.70	0	10	Top	0.330	0.397	0.449	-	22.51	
Hotspot	NR Band n66	F	0153M	-0.12	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	1	240	18.50	17.71	0	10	Left	0.062	0.074	0.084	-	29.78	
Hotspot	NR Band n66	F	0153M	-0.13	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 45 MHz	120	61	18.50	17.70	0	10	Left	0.065	0.078	0.088	-	29.57	

Table 3-23

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	MPE [dB]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg Plimit [dBm]	PartD Overall Frame Avg Plimit [dBm]
Head	NR Band n25	A	0055M	0.14	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	24.50	23.33	0	0	Right Cheek	0.110	0.144	0.189	-	32.91	30.89
Head	NR Band n25	A	0055M	0.08	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	24.50	23.24	0	0	Right Cheek	0.085	0.114	0.149	-	33.94	
Head	NR Band n25	A	0055M	0.14	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	24.50	23.33	0	0	Right Tilt	0.080	0.105	0.137	-	34.29	
Head	NR Band n25	A	0055M	0.14	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	24.50	23.24	0	0	Right Tilt	0.069	0.092	0.121	-	34.85	
Head	NR Band n25	A	0055M	-0.01	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	24.50	23.33	0	0	Left Cheek	0.175	0.229	0.300	-	30.89	
Head	NR Band n25	A	0055M	0.01	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	24.50	23.24	0	0	Left Cheek	0.153	0.204	0.268	-	31.39	
Head	NR Band n25	A	0055M	-0.14	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	24.50	23.33	0	0	Left Tilt	0.058	0.076	0.099	-	35.69	
Head	NR Band n25	A	0055M	-0.05	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	24.50	23.24	0	0	Left Tilt	0.046	0.061	0.080	-	36.61	
Body-worn/Hotspot	NR Band n25	A	0084M	-0.08	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	20.00	18.80	0	5	Back	0.864	1.139	1.287	-	19.43	
Body-worn/Hotspot	NR Band n25	A	0084M	0.00	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	0	20.00	18.73	0	5	Back	0.861	1.153	1.303	-	19.37	
Body-worn/Hotspot	NR Band n25	A	0084M	0.00	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	216	0	20.00	18.66	0	5	Back	0.855	1.164	1.315	-	19.34	
Body-worn/Hotspot	NR Band n25	A	0084M	-0.01	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	20.00	18.80	0	5	Front	0.899	1.185	1.339	48	19.26	
Body-worn/Hotspot	NR Band n25	A	0084M	-0.01	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	0	20.00	18.73	0	5	Front	0.880	1.179	1.332	-	19.28	
Body-worn/Hotspot	NR Band n25	A	0084M	-0.01	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	216	0	20.00	18.66	0	5	Front	0.868	1.182	1.336	-	19.27	
Hotspot	NR Band n25	A	0084M	0.01	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	20.00	18.80	0	10	Bottom	0.807	1.064	1.202	-	19.73	
Hotspot	NR Band n25	A	0084M	0.00	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	0	20.00	18.73	0	10	Bottom	0.802	1.074	1.214	-	19.68	
Hotspot	NR Band n25	A	0084M	0.00	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	216	0	20.00	18.66	0	10	Bottom	0.807	1.099	1.242	-	19.59	
Hotspot	NR Band n25	A	0084M	-0.04	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	20.00	18.80	0	10	Right	0.051	0.067	0.076	-	31.72	
Hotspot	NR Band n25	A	0084M	-0.14	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	0	20.00	18.73	0	10	Right	0.056	0.075	0.085	-	31.54	
Hotspot	NR Band n25	A	0084M	-0.10	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	20.00	18.80	0	10	Left	0.094	0.124	0.140	-	29.06	
Hotspot	NR Band n25	A	0084M	-0.20	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	0	20.00	18.73	0	10	Left	0.090	0.121	0.137	-	29.18	
Head	NR Band n25	F	0171M	-0.08	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	17.00	16.12	0	0	Right Cheek	0.642	0.786	0.888	-	18.04	
Head	NR Band n25	F	0171M	0.07	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	17.00	16.12	0	0	Right Cheek	0.593	0.726	0.830	-	18.34	
Head	NR Band n25	F	0171M	-0.07	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	216	0	17.00	16.05	0	0	Right Cheek	0.600	0.747	0.844	-	18.26	
Head	NR Band n25	F	0171M	-0.14	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	17.00	16.12	0	0	Right Tilt	0.674	0.825	0.932	47	17.83	
Head	NR Band n25	F	0171M	0.04	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	17.00	16.12	0	0	Right Tilt	0.656	0.803	0.907	-	17.95	
Head	NR Band n25	F	0171M	-0.04	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	216	0	17.00	16.05	0	0	Right Tilt	0.659	0.820	0.927	-	17.86	
Head	NR Band n25	F	0171M	0.03	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	17.00	16.12	0	0	Left Cheek	0.352	0.432	0.483	-	20.64	
Head	NR Band n25	F	0171M	0.15	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	17.00	16.12	0	0	Left Cheek	0.332	0.407	0.460	-	20.90	
Head	NR Band n25	F	0171M	-0.08	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	17.00	16.12	0	0	Left Tilt	0.503	0.616	0.696	-	19.10	
Head	NR Band n25	F	0171M	0.06	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	17.00	16.12	0	0	Left Tilt	0.475	0.582	0.658	-	19.35	
Body-worn/Hotspot	NR Band n25	F	0171M	-0.06	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	19.50	18.32	0	5	Back	0.437	0.573	0.647	-	21.91	
Body-worn/Hotspot	NR Band n25	F	0171M	0.03	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	19.50	18.45	0	5	Back	0.419	0.532	0.601	-	22.43	
Body-worn/Hotspot	NR Band n25	F	0171M	0.03	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	19.50	18.32	0	5	Back	0.422	0.545	0.626	-	22.06	
Body-worn/Hotspot	NR Band n25	F	0171M	-0.02	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	19.50	18.45	0	5	Front	0.403	0.513	0.580	-	22.39	
Hotspot	NR Band n25	F	0171M	0.01	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	19.50	18.32	0	10	Top	0.342	0.449	0.507	-	22.97	
Hotspot	NR Band n25	F	0171M	0.00	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	19.50	18.45	0	10	Top	0.322	0.420	0.473	-	23.37	
Hotspot	NR Band n25	F	0171M	-0.17	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	1	1	19.50	18.32	0	10	Left	0.046	0.060	0.066	-	31.69	
Hotspot	NR Band n25	F	0171M	-0.17	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	19.50	18.45	0	10	Left	0.045	0.057	0.064	-	31.91	



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Table 3-24

Exposure Condition	Band/Mode	Antenna	Additional Information	DUT SN	Power Drift (dB)	Maximum Duty Cycle (%)	Configured Duty Cycle (%)	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPR (dB)	Separation Distance (mm)	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg. P1mit (dBm)	Part0 Overall Frame Avg. P1mit (dBm)
Head	NR Band n30	A	-	0151M	-0.15	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	1	23.00	21.71	0	0	Right Cheek	0.035	0.047	0.300	-	36.26	36.36
Head	NR Band n30	A	-	0151M	-0.07	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	14	23.00	21.61	0	0	Right Cheek	0.031	0.045	0.309	-	36.42	
Head	NR Band n30	A	-	0151M	-0.15	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	1	23.00	21.71	0	0	Right Tilt	0.008	0.011	0.069	-	42.67	
Head	NR Band n30	A	-	0151M	-0.15	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	14	23.00	21.61	0	0	Right Tilt	0.005	0.007	0.044	-	44.62	
Head	NR Band n30	A	-	0151M	-0.03	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	1	23.00	21.71	0	0	Left Cheek	0.026	0.035	0.223	-	37.56	
Head	NR Band n30	A	-	0151M	-0.15	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	14	23.00	21.61	0	0	Left Cheek	0.025	0.034	0.219	-	37.63	
Head	NR Band n30	A	-	0151M	-0.06	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	1	23.00	21.71	0	0	Left Tilt	0.007	0.009	0.060	-	43.25	
Head	NR Band n30	A	-	0151M	-0.15	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	14	23.00	21.61	0	0	Left Tilt	0.009	0.012	0.079	-	42.06	
Body-worn/Hotspot	NR Band n30	A	-	0155M	0.07	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	26	21.00	19.19	0	5	Back	0.450	0.683	0.772	-	22.65	
Body-worn/Hotspot	NR Band n30	A	-	0155M	0.01	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	0	21.00	19.20	0	5	Back	0.463	0.702	0.792	-	22.54	
Body-worn/Hotspot	NR Band n30	A	-	0155M	-0.04	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	26	21.00	19.19	0	5	Front	0.403	0.611	0.690	-	23.13	22.45
Body-worn/Hotspot	NR Band n30	A	-	0155M	-0.04	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	0	21.00	19.20	0	5	Front	0.407	0.616	0.696	-	23.10	
Hotspot	NR Band n30	A	-	0155M	0.05	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	26	21.00	19.19	0	10	Bottom	0.464	0.704	0.796	-	22.52	
Hotspot	NR Band n30	A	-	0155M	0.02	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	0	21.00	19.20	0	10	Bottom	0.473	0.714	0.809	-	22.45	
Hotspot	NR Band n30	A	-	0155M	-0.13	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	26	21.00	19.19	0	10	Right	0.030	0.046	0.052	-	34.41	
Hotspot	NR Band n30	A	-	0155M	0.17	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	0	21.00	19.20	0	10	Right	0.032	0.048	0.054	-	34.14	
Hotspot	NR Band n30	A	-	0155M	-0.13	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	26	21.00	19.19	0	10	Left	0.023	0.035	0.040	-	35.57	
Hotspot	NR Band n30	A	-	0155M	0.15	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	0	21.00	19.20	0	10	Left	0.024	0.036	0.041	-	35.39	
Head	NR Band n30	F	-	0171M	-0.01	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	50	18.50	17.99	0	0	Right Cheek	0.718	0.807	0.912	-	19.42	18.27
Head	NR Band n30	F	-	0171M	0.00	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	27	18.50	17.93	0	0	Right Cheek	0.736	0.839	0.948	-	19.26	
Head	NR Band n30	F	-	0171M	0.03	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	50	0	18.50	17.90	0	0	Right Cheek	0.736	0.845	0.955	-	19.23	
Head	NR Band n30	F	-	0171M	0.01	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	50	18.50	17.99	0	0	Right Tilt	0.904	1.017	1.149	-	18.42	
Head	NR Band n30	F	-	0171M	0.02	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	27	18.50	17.93	0	0	Right Tilt	0.915	1.043	1.179	-	18.31	
Head	NR Band n30	F	-	0171M	-0.05	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	50	0	18.50	17.90	0	0	Right Tilt	0.917	1.053	1.190	49	18.27	
Head	NR Band n30	F	Variability	0171M	-0.01	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	50	0	18.50	17.90	0	0	Right Tilt	0.891	1.023	1.156	-	18.40	
Head	NR Band n30	F	-	0171M	-0.02	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	50	18.50	17.99	0	0	Left Cheek	0.365	0.440	0.463	-	28.36	
Head	NR Band n30	F	-	0171M	0.01	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	27	18.50	17.93	0	0	Left Cheek	0.384	0.458	0.495	-	28.08	
Head	NR Band n30	F	-	0171M	-0.07	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	50	18.50	17.99	0	0	Left Tilt	0.606	0.682	0.771	-	20.16	
Head	NR Band n30	F	-	0171M	0.02	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	27	18.50	17.93	0	0	Left Tilt	0.622	0.709	0.801	-	19.99	21.25
Body-worn/Hotspot	NR Band n30	F	-	0171M	-0.06	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	50	20.00	19.44	0	5	Back	0.647	0.723	0.817	-	21.41	
Body-worn/Hotspot	NR Band n30	F	-	0171M	0.00	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	27	20.00	19.44	0	5	Back	0.655	0.740	0.848	50	21.25	
Body-worn/Hotspot	NR Band n30	F	-	0171M	0.02	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	50	20.00	19.52	0	5	Front	0.393	0.439	0.496	-	23.57	
Body-worn/Hotspot	NR Band n30	F	-	0171M	0.01	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	27	20.00	19.44	0	5	Front	0.400	0.455	0.514	-	23.41	
Hotspot	NR Band n30	F	-	0171M	-0.11	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	50	20.00	19.52	0	10	Top	0.399	0.446	0.504	-	23.51	
Hotspot	NR Band n30	F	-	0171M	-0.04	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	27	20.00	19.44	0	10	Top	0.403	0.458	0.518	-	23.38	
Hotspot	NR Band n30	F	-	0171M	0.16	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	50	20.00	19.52	0	10	Left	0.019	0.021	0.024	-	36.73	
Hotspot	NR Band n30	F	-	0171M	-0.04	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	27	20.00	19.44	0	10	Left	0.019	0.022	0.025	-	36.65	

Table 3-25

Exposure Condition	Band/Mode	Antenna	Additional Information	DUT SN	Power Drift (dB)	Maximum Duty Cycle (%)	Configured Duty Cycle (%)	Frequency (MHz)	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPR (dB)	Separation Distance (mm)	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg. P1mit (dBm)	Part0 Overall Frame Avg. P1mit (dBm)
Head	NR Band n7	B	-	0154M	0.20	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	135	24.00	23.87	0	0	Right Cheek	0.042	0.043	0.168	-	37.63	35.10
Head	NR Band n7	B	-	0154M	0.10	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	24.00	23.86	0	0	Right Cheek	0.042	0.043	0.168	-	37.62	
Head	NR Band n7	B	-	0154M	0.05	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	135	24.00	23.87	0	0	Right Tilt	0.044	0.035	0.136	-	38.55	
Head	NR Band n7	B	-	0154M	-0.16	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	24.00	23.86	0	0	Right Tilt	0.039	0.040	0.156	-	37.94	
Head	NR Band n7	B	-	0154M	0.03	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	135	24.00	23.87	0	0	Left Cheek	0.071	0.073	0.283	-	35.35	
Head	NR Band n7	B	-	0154M	0.02	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	24.00	23.86	0	0	Left Cheek	0.075	0.077	0.300	-	35.10	
Head	NR Band n7	B	-	0154M	0.13	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	135	24.00	23.87	0	0	Left Tilt	0.042	0.043	0.168	-	37.63	
Head	NR Band n7	B	-	0154M	0.15	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	24.00	23.86	0	0	Left Tilt	0.041	0.042	0.164	-	37.73	
Body-worn/Hotspot	NR Band n7	B	-	0390M	-0.01	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	19.00	18.26	0	5	Back	0.781	0.926	1.046	52	19.33	
Body-worn/Hotspot	NR Band n7	B	-	0390M	-0.03	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	135	19.00	18.25	0	5	Back	0.722	0.858	0.970	-	19.66	
Body-worn/Hotspot	NR Band n7	B	-	0390M	-0.05	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	270	0	19.00	18.24	0	5	Back	0.764	0.910	1.028	-	19.40	
Body-worn/Hotspot	NR Band n7	B	-	0154M	-0.03	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	19.00	18.26	0	5	Front	0.262	0.311	0.351	-	24.07	
Body-worn/Hotspot	NR Band n7	B	-	0154M	-0.01	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	135	19.00	18.25	0	5	Front	0.342	0.406	0.459	-	22.90	
Hotspot	NR Band n7	B	-	0154M	-0.06	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	19.00	18.26	0	10	Bottom	0.281	0.333	0.376	-	23.77	
Hotspot	NR Band n7	B	-	0154M	-0.01	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	135	19.00	18.25	0	10	Bottom	0.350	0.416	0.470	-	22.80	
Hotspot	NR Band n7	B	-	0154M	-0.03	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	19.00	18.26	0	10	Left	0.133	0.158	0.179	-	27.02	
Hotspot	NR Band n7	B	-	0154M	-0.01	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	135	19.00	18.25	0	10	Left	0.149	0.168	0.188	-	27.28	
Head	NR Band n7	B	-	0390M	0.06	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	16.50	16.50	0	0	Right Cheek	0.823	0.823	0.930	-	17.34	
Head	NR Band n7	F	-	0390M	0.04	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	16.50	16.48	0	0	Right Cheek	0.846	0.850	0.961	-	17.20	
Head	NR Band n7	F	-	0390M	0.09	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	270	0	16.50	16.47	0	0	Right Cheek	0.877	0.883	0.998	-	17.04	
Head	NR Band n7	F	-	0390M	0.01	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	16.50	16.50	0	0	Right Tilt	0.908	0.908	1.026	-	16.91	
Head	NR Band n7	F	0390M	0.01	100.0%	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	16.50	16.48	0	0	Right Tilt	0.944	0.944	1.062	51	16.71	
Head	NR Band n7	F	Variability	0390M	0.03	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	16.50	16.48	0	0	Right Tilt	0.923	0.927	1.048	-	16.82	
Head	NR Band n7	F	-	0390M	0.00	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	270	0	16.50	16.47	0	0	Right Tilt	0.932	0.938	1.060	-	16.77	
Head	NR Band n7	F	-	0154M	0.04	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	16.50	16.48	0	0	Left Cheek	0.318	0.318	0.359	-	21.47	
Head	NR Band n7	F	-	0154M	0.04	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	16.50	16.50	0	0	Left Cheek	0.328	0.330	0.373	-	21.32	
Head	NR Band n7	F	-	0154M	0.03	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	16.50	16.50	0	0	Left Tilt	0.431	0.431	0.502	-	20.11	
Head	NR Band n7	F	-	0154M	0.03	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	16.50	16.48	0	0	Left Tilt	0.448	0.450	0.509	-	20.16	
Body-worn/Hotspot	NR Band n7	F	-	0390M	-0.02	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	19.50	18.75	0	5	Back	0.669	0.795	0.898	-	19.49	
Body-worn/Hotspot	NR Band n7	F	-	0390M	-0.01	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	0	19.50	18.64	0	5	Back	0.728	0.887	1.002	-	19.01	
Body-worn/Hotspot	NR Band n7	F	-	0390M	-0.01	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	270	0	19.50	18.55	0	5	Back	0.715	0.866	0.968	-	18.99	
Body-worn/Hotspot	NR Band n7	F	-	0390M	0.00	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	19.50	18.75	0	5	Front	0.589	0.700	0.791	-	21.04	
Body-worn/Hotspot	NR Band n7	F	-	0390M	-0.08	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	0	19.50	18.64	0	5	Front	0.628	0.766	0.866	-	20.66	
Hotspot	NR Band n7	F	-	0390M	0.01	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	19.50	18.75	0	10	Top	0.488	0.580	0.655	-	21.86	
Hotspot	NR Band n7	F	-	0390M	0.08	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	0	19.50	18.64	0	10	Top	0.473	0.577	0.652	-	21.86	
Hotspot	NR Band n7	F	-	0154M	0.13	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	1	1	19.50	18.75	0	10	Left	0.095	0.094	0.084	-	31.59	
Hotspot	NR Band n7	F	-	0154M	0.10	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	0	19.50	18.64	0	10	Left	0.045	0.056	0.083	-	32.01	



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Table 3-26

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift (dB)	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPR (dB)	Separation Distance (mm)	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	PartD Frame Avg P1mit [dBm]	PartD Overall Frame Avg P1mit [dBm]
Head	NR Band n41 PC2 Default	B	0151M	-0.16	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	23.00	22.36	0	0	Right Cheek	0.026	0.030	0.269	-	38.21	
Head	NR Band n41 PC2 Default	B	0151M	-0.16	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	23.00	22.36	0	0	Right Tilt	0.022	0.025	0.227	-	38.93	37.73
Head	NR Band n41 PC2 Default	B	0151M	-0.16	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	23.00	22.36	0	0	Left Cheek	0.029	0.034	0.300	-	37.73	
Head	NR Band n41 PC2 Default	B	0151M	-0.16	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	23.00	22.36	0	0	Left Tilt	0.028	0.032	0.289	-	37.88	
Head	NR Band n41 PC2 Switching	B	0151M	0.20	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	271	20.50	19.74	0	0	Right Cheek	0.014	0.017	0.019	-	38.27	
Head	NR Band n41 PC2 Switching	B	0151M	0.05	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	69	20.50	19.71	0	0	Right Cheek	0.014	0.017	0.019	-	38.24	
Head	NR Band n41 PC2 Switching	B	0151M	-0.08	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	271	20.50	19.74	0	0	Right Tilt	0.012	0.014	0.016	-	38.94	
Head	NR Band n41 PC2 Switching	B	0151M	0.05	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	69	20.50	19.71	0	0	Right Tilt	0.013	0.016	0.018	-	38.57	36.48
Head	NR Band n41 PC2 Switching	B	0151M	0.15	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	271	20.50	19.74	0	0	Left Cheek	0.013	0.015	0.017	-	38.60	
Head	NR Band n41 PC2 Switching	B	0151M	-0.05	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	69	20.50	19.71	0	0	Left Cheek	0.021	0.025	0.028	-	36.48	
Head	NR Band n41 PC2 Switching	B	0151M	0.05	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	271	20.50	19.74	0	0	Left Tilt	0.009	0.011	0.012	-	40.19	
Head	NR Band n41 PC2 Switching	B	0151M	0.05	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	69	20.50	19.71	0	0	Left Tilt	0.007	0.008	0.009	-	41.25	
Body-worn/Hotspot	NR Band n41 PC2 Default	B	0151M	0.02	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	18.50	18.12	0	5	Back	0.890	0.971	1.097	54	18.62	
Body-worn/Hotspot	NR Band n41 PC2 Default	B	0151M	0.00	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	18.50	18.12	0	5	Front	0.625	0.682	0.771	-	20.16	18.06
Body-worn/Hotspot	NR Band n41 PC2 Switching	B	0151M	0.06	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	137	18.50	17.18	0	5	Back	0.714	0.968	1.094	-	18.64	
Body-worn/Hotspot	NR Band n41 PC2 Switching	B	0151M	-0.07	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	138	18.50	17.19	0	5	Back	0.655	0.886	1.001	-	19.02	
Body-worn/Hotspot	NR Band n41 PC2 Switching	B	0151M	0.12	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	270	0	18.50	17.17	0	5	Back	0.734	0.997	1.127	-	18.51	18.51
Body-worn/Hotspot	NR Band n41 PC2 Switching	B	0151M	-0.01	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	137	18.50	17.18	0	5	Front	0.473	0.641	0.724	-	20.43	
Body-worn/Hotspot	NR Band n41 PC2 Switching	B	0151M	0.05	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	138	18.50	17.19	0	5	Front	0.458	0.619	0.699	-	20.58	
Body-worn/Hotspot	NR Band n41 PC2 Switching	B	0151M	-0.02	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	270	0	18.50	17.17	0	5	Front	0.443	0.602	0.680	-	20.70	
Hotspot	NR Band n41 PC2 Default	B	0151M	-0.01	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	18.50	18.12	0	10	Bottom	0.580	0.633	0.715	-	20.48	18.06
Hotspot	NR Band n41 PC2 Default	B	0151M	-0.02	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	18.50	18.12	0	10	Left	0.231	0.252	0.285	-	24.48	
Hotspot	NR Band n41 PC2 Switching	B	0151M	-0.02	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	137	18.50	17.18	0	10	Bottom	0.643	0.871	0.984	-	19.09	
Hotspot	NR Band n41 PC2 Switching	B	0151M	-0.03	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	138	18.50	17.19	0	10	Bottom	0.585	0.791	0.894	-	19.51	18.51
Hotspot	NR Band n41 PC2 Switching	B	0151M	0.01	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	270	0	18.50	17.17	0	10	Bottom	0.611	0.830	0.938	-	19.30	
Hotspot	NR Band n41 PC2 Switching	B	0151M	-0.06	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	137	18.50	17.18	0	10	Left	0.228	0.309	0.349	-	21.60	
Hotspot	NR Band n41 PC2 Switching	B	0151M	-0.04	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	138	18.50	17.19	0	10	Left	0.208	0.281	0.318	-	24.00	
Head	NR Band n41 PC2 Default	D	0151M	-0.09	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.70	0	0	Right Cheek	0.000	0.000	0.000	-	62.70	62.70
Head	NR Band n41 PC2 Default	D	0151M	-0.09	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.70	0	0	Right Tilt	0.000	0.000	0.000	-	62.70	
Head	NR Band n41 PC2 Default	D	0151M	-0.09	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.70	0	0	Left Cheek	0.000	0.000	0.000	-	62.70	
Head	NR Band n41 PC2 Default	D	0151M	0.00	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	12.00	10.92	0	0	Left Cheek	0.000	0.000	0.000	-	60.92	60.92
Head	NR Band n41 PC2 Default	D	0151M	-0.09	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.70	0	0	Left Tilt	0.000	0.000	0.000	-	62.70	62.70
Body-worn/Hotspot	NR Band n41 PC2 Switching	D	0151M	-0.01	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	16.00	14.79	0	5	Back	0.496	0.655	0.740	-	17.83	17.83
Body-worn/Hotspot	NR Band n41 PC2 Switching	D	0151M	-0.03	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.93	0	5	Back	0.443	0.567	0.641	-	16.46	16.46
Body-worn/Hotspot	NR Band n41 PC2 Default	D	0151M	0.07	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	16.00	14.79	0	5	Front	0.015	0.020	0.023	-	33.02	
Hotspot	NR Band n41 PC2 Default	D	0151M	-0.13	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	16.00	14.79	0	10	Bottom	0.005	0.007	0.008	-	37.80	17.83
Hotspot	NR Band n41 PC2 Default	D	0151M	-0.13	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	16.00	14.79	0	10	Right	0.002	0.003	0.003	-	41.77	
Head	NR Band n41 PC2 Default	E	0151M	0.04	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.99	0	0	Right Cheek	0.162	0.204	0.231	-	20.89	
Head	NR Band n41 PC2 Default	E	0151M	-0.02	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.99	0	0	Right Tilt	0.128	0.162	0.183	-	21.91	16.39
Head	NR Band n41 PC2 Default	E	0390M	-0.03	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.99	0	0	Left Cheek	0.457	0.577	0.652	-	16.39	
Head	NR Band n41 PC2 Switching	E	0390M	-0.01	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	13.00	11.78	0	0	Left Cheek	0.225	0.298	0.337	-	18.25	18.25
Head	NR Band n41 PC2 Default	E	0390M	-0.01	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	14.00	12.99	0	0	Left Tilt	0.366	0.462	0.522	-	17.35	16.39
Body-worn/Hotspot	NR Band n41 PC2 Default	E	0151M	-0.03	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	16.00	15.02	0	5	Back	0.536	0.672	0.759	-	17.72	17.72
Body-worn/Hotspot	NR Band n41 PC2 Switching	E	0151M	-0.01	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	15.00	13.91	0	5	Back	0.411	0.528	0.597	-	17.77	17.77
Body-worn/Hotspot	NR Band n41 PC2 Default	E	0151M	-0.06	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	16.00	15.02	0	5	Front	0.286	0.358	0.405	-	20.45	
Hotspot	NR Band n41 PC2 Default	E	0151M	-0.18	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	16.00	15.02	0	10	Top	0.105	0.132	0.149	-	24.80	17.72
Hotspot	NR Band n41 PC2 Default	E	0151M	-0.08	100.00%	100.00%	2592.99	518598	SRS/CW, 100 MHz	N/A	N/A	16.00	15.02	0	10	Right	0.085	0.107	0.121	-	25.72	
Head	NR Band n41 PC2 Default	F	0151M	-0.02	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	1	16.00	14.89	0	0	Right Cheek	0.530	0.684	0.773	-	17.64	
Head	NR Band n41 PC2 Default	F	0151M	0.02	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	135	0	16.00	14.83	0	0	Right Cheek	0.433	0.567	0.641	-	18.46	
Head	NR Band n41 PC2 Default	F	0151M	0.15	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	270	0	16.00	14.81	0	0	Right Cheek	0.394	0.518	0.585	-	18.85	16.64
Head	NR Band n41 PC2 Default	F	0151M	0.08	100.00%	100.00%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	1	16.00	14.89	0	0</							



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Table 3-27

Exposure Condition	Band/Mode	Antenna	Additional Information	DUT SN	Power Dens (dB)	Maximum Duty Cycle (%)	Configured Duty Cycle (%)	Frequency (MHz)	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MWR (dB)	Separation Distance (mm)	Position	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Adjusted 1g SAR (W/kg)	Test Plot	PartID Frame Avg Plimit (dBm)	PartID Overall Frame Avg Plimit (dBm)
Head	NR Band n48	C	-	0055M	0.03	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.00	12.09	0	0	Right Cheek	0.004	0.005	0.006	-	36.06	30.32
Head	NR Band n48	C	-	0055M	0.03	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.00	12.09	0	0	Right Tilt	0.009	0.010	0.011	-	31.05	
Head	NR Band n48	C	-	0055M	0.03	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.00	12.09	0	0	Left Cheek	0.015	0.018	0.020	-	30.32	
Head	NR Band n48	C	-	0055M	0.03	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.00	12.09	0	0	Left Tilt	0.000	0.000	0.000	-	62.09	20.66
Body-worn/Hotspot	NR Band n48	C	-	0055M	-0.06	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	16.00	15.29	0	5	Back	0.290	0.342	0.386	-	20.66	
Body-worn/Hotspot	NR Band n48	C	-	0055M	0.03	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	16.00	15.29	0	5	Front	0.208	0.245	0.277	-	21.10	
Hotspot	NR Band n48	C	-	0055M	-0.13	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	16.00	15.29	0	10	Bottom	0.017	0.020	0.023	-	32.98	60.12
Hotspot	NR Band n48	C	-	0055M	-0.14	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	16.00	15.29	0	10	Left	0.134	0.158	0.179	-	24.01	
Head	NR Band n48	D	-	0055M	0.07	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	11.00	10.12	0	0	Right Cheek	0.000	0.000	0.000	-	60.12	
Head	NR Band n48	D	-	0055M	0.07	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	11.00	10.12	0	0	Right Tilt	0.000	0.000	0.000	-	60.12	15.27
Head	NR Band n48	D	-	0055M	0.07	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	11.00	10.12	0	0	Left Cheek	0.000	0.000	0.000	-	60.12	
Head	NR Band n48	D	-	0055M	0.07	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	11.00	10.12	0	0	Left Tilt	0.000	0.000	0.000	-	60.12	
Body-worn/Hotspot	NR Band n48	D	-	0390M	0.00	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.50	13.11	0	5	Back	0.608	0.665	0.751	-	15.27	15.27
Body-worn/Hotspot	NR Band n48	D	-	0390M	0.00	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.50	13.11	0	5	Back	0.452	0.506	0.572	-	16.45	
Body-worn/Hotspot	NR Band n48	D	-	0144M	0.00	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.50	12.99	0	5	Back	0.378	0.418	0.472	-	17.28	
Body-worn/Hotspot	NR Band n48	D	-	0055M	0.13	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.50	13.11	0	5	Front	0.009	0.010	0.011	-	33.56	15.40
Hotspot	NR Band n48	D	-	0055M	0.12	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.50	13.11	0	10	Bottom	0.014	0.015	0.017	-	33.64	
Hotspot	NR Band n48	D	-	0055M	0.12	100.0%	100.0%	3570	638000	SRS/CW, 40 MHz	N/A	N/A	13.50	13.11	0	10	Right	0.002	0.003	0.003	-	40.09	
Head	NR Band n48	F	-	0055M	-0.02	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	104	15.50	14.55	0	0	Right Cheek	0.783	0.972	1.098	-	15.62	15.40
Head	NR Band n48	F	-	0055M	0.01	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	53	15.50	14.82	0	0	Right Cheek	0.743	0.869	0.982	-	16.11	
Head	NR Band n48	F	-	0055M	0.04	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	1	15.50	14.71	0	0	Right Cheek	0.680	0.816	0.922	-	16.38	
Head	NR Band n48	F	-	0055M	0.08	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	56	15.50	14.61	0	0	Right Cheek	0.787	0.966	1.082	-	16.65	15.40
Head	NR Band n48	F	-	0055M	0.00	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	28	15.50	14.81	0	0	Right Cheek	0.761	0.892	1.008	-	15.98	
Head	NR Band n48	F	-	0055M	-0.11	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	0	15.50	14.70	0	0	Right Cheek	0.641	0.771	0.871	-	16.63	
Head	NR Band n48	F	-	0055M	-0.03	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	100	0	15.50	14.79	0	0	Right Cheek	0.770	0.907	1.025	-	15.92	15.40
Head	NR Band n48	F	-	0055M	-0.03	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	104	15.50	14.55	0	0	Right Tilt	0.822	1.023	1.156	-	16.46	
Head	NR Band n48	F	-	0055M	0.05	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	53	15.50	14.82	0	0	Right Tilt	0.829	0.970	1.096	-	15.63	
Head	NR Band n48	F	-	0055M	0.04	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	1	15.50	14.71	0	0	Right Tilt	0.681	0.817	0.923	-	16.37	15.40
Head	NR Band n48	F	-	0055M	0.03	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	56	15.50	14.61	0	0	Right Tilt	0.819	1.005	1.136	-	15.47	
Head	NR Band n48	F	-	0055M	0.09	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	28	15.50	14.61	0	0	Right Tilt	0.788	0.924	1.044	-	16.84	
Head	NR Band n48	F	-	0055M	0.01	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	0	15.50	14.70	0	0	Right Tilt	0.679	0.816	0.922	-	16.38	15.40
Head	NR Band n48	F	-	0055M	-0.02	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	100	0	15.50	14.79	0	0	Right Tilt	0.813	0.957	1.081	-	15.68	
Head	NR Band n48	F	-	0055M	0.01	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	53	15.50	14.82	0	0	Left Cheek	0.377	0.441	0.498	-	19.05	
Head	NR Band n48	F	-	0055M	0.04	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	28	15.50	14.81	0	0	Left Cheek	0.387	0.454	0.513	-	18.93	15.40
Head	NR Band n48	F	-	0055M	0.08	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	53	15.50	14.82	0	0	Left Tilt	0.442	0.517	0.584	-	18.36	
Head	NR Band n48	F	-	0055M	-0.02	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	28	15.50	14.81	0	0	Left Tilt	0.484	0.567	0.641	-	17.96	
Body-worn/Hotspot	NR Band n48	F	-	0055M	-0.13	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	53	18.00	17.00	0	5	Back	0.915	1.152	1.302	-	17.38	15.40
Body-worn/Hotspot	NR Band n48	F	Variability	0055M	0.13	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	53	18.00	17.00	0	5	Back	0.821	1.034	1.168	-	17.85	
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.06	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	1	18.00	17.09	0	5	Back	0.946	1.167	1.319	-	17.33	
Body-worn/Hotspot	NR Band n48	F	Variability	0055M	-0.04	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	1	18.00	17.09	0	5	Back	0.932	1.149	1.298	-	17.39	15.40
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.06	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	104	18.00	17.05	0	5	Back	0.683	0.850	0.961	-	18.70	
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.01	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	0	18.00	16.94	0	5	Back	0.843	1.076	1.216	-	17.88	
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.02	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	28	18.00	17.08	0	5	Back	0.931	1.151	1.301	-	17.39	15.40
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.03	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	56	18.00	17.04	0	5	Back	0.731	0.912	1.031	-	18.40	
Body-worn/Hotspot	NR Band n48	F	-	0055M	-0.01	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	100	0	18.00	17.01	0	5	Back	0.851	1.069	1.208	-	17.71	
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.04	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	53	18.00	17.00	0	5	Front	0.620	0.781	0.883	-	19.07	15.40
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.01	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	1	18.00	17.09	0	5	Front	0.721	0.889	1.005	-	18.51	
Body-worn/Hotspot	NR Band n48	F	-	0055M	-0.02	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	56	18.00	17.04	0	5	Front	0.465	0.579	0.654	-	20.37	
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.09	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	104	18.00	17.05	0	5	Front	0.485	0.597	0.694	-	20.37	15.40
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.02	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	0	18.00	16.94	0	5	Front	0.629	0.803	0.907	-	18.95	
Body-worn/Hotspot	NR Band n48	F	-	0055M	0.08	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	28	18.00	17.08	0	5	Front	0.708	0.875	0.989	-	18.57	
Body-worn/Hotspot	NR Band n48	F	-	0055M	-0.02	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	50	56	18.00	17.04	0	5	Front	0.500	0.624	0.705	-	20.05	15.40
Body-worn/Hotspot	NR Band n48	F	-	0055M	-0.02	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	100	0	18.00	17.01	0	5	Front	0.590	0.741	0.837	-	19.30	
Body-worn/Hotspot	NR Band n48	F	-	0055M	-0.03	100.0%	100.0%	3570	638000	DTT-s-OFDM QPSK, 40 MHz	1	53	18.00	17.00	0	10	Top	0.4>					



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Table 3-28

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift (dB)	Maximum Duty Cycle [%]	Configured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size	RB Offset	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	MPE (dB)	Separation Distance (mm)	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg Plimit (dBm)	Part0 Overall Frame Avg Plimit (dBm)
Head	NR Band n77 PC2	C	0055M	-0.13	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	13.00	12.45	0	0	Right Cheek	0.018	0.020	0.023	-	29.89	27.82
Head	NR Band n77 PC2	C	0055M	-0.13	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	13.00	12.45	0	0	Right Tilt	0.024	0.027	0.031	-	28.64	
Head	NR Band n77 DoD PC2	C	0055M	-0.13	100.0%	100.0%	3500.01	633334	SRS/CW, 100 MHz	N/A	N/A	13.00	12.86	0	0	Left Cheek	0.019	0.020	0.023	-	30.07	
Head	NR Band n77 PC2	C	0055M	-0.13	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	13.00	12.45	0	0	Left Cheek	0.020	0.033	0.037	-	27.82	
Head	NR Band n77 PC2	C	0055M	-0.13	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	13.00	12.45	0	0	Left Tilt	0.014	0.016	0.018	-	30.98	21.30
Body-worn/Hotspot	NR Band n77 DoD PC2	C	0055M	-0.06	100.0%	100.0%	3500.01	633334	SRS/CW, 100 MHz	N/A	N/A	14.50	14.30	0	5	Back	0.175	0.183	0.207	-	21.86	
Body-worn/Hotspot	NR Band n77 PC2	C	0055M	-0.01	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.81	0	5	Back	0.178	0.209	0.236	-	21.30	
Body-worn/Hotspot	NR Band n77 PC2	C	0055M	-0.08	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.81	0	5	Front	0.178	0.209	0.236	-	21.30	
Body-worn/Hotspot	NR Band n77 PC2	C	0055M	-0.06	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.81	0	10	Bottom	0.028	0.033	0.037	-	29.33	60.28
Hotspot	NR Band n77 PC2	C	0055M	-0.13	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.81	0	10	Left	0.126	0.148	0.167	-	22.80	
Head	NR Band n77 PC2	D	0055M	0.01	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	11.50	10.28	0	0	Right Cheek	0.000	0.000	0.000	-	60.28	
Head	NR Band n77 DoD PC2	D	0055M	-0.09	100.0%	100.0%	3500.01	633334	SRS/CW, 100 MHz	N/A	N/A	11.50	10.88	0	0	Right Tilt	0.000	0.000	0.000	-	60.88	
Head	NR Band n77 PC2	D	0055M	-0.11	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	11.50	10.28	0	0	Right Tilt	0.000	0.000	0.000	-	60.28	14.17
Head	NR Band n77 PC2	D	0055M	0.02	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	11.50	10.28	0	0	Left Cheek	0.000	0.000	0.000	-	60.28	
Head	NR Band n77 PC2	D	0055M	0.06	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	11.50	10.28	0	0	Left Tilt	0.000	0.000	0.000	-	60.28	
Body-worn/Hotspot	NR Band n77 DoD PC2	D	0346M	-0.13	100.0%	100.0%	3500.01	633334	SRS/CW, 100 MHz	N/A	N/A	13.00	12.34	0	5	Back	0.655	0.763	0.862	58	14.17	
Body-worn/Hotspot	NR Band n77 PC2	D	0390M	-0.01	100.0%	100.0%	3750	650000	SRS/CW, 100 MHz	N/A	N/A	13.00	11.00	0	5	Back	0.328	0.520	0.588	-	15.84	15.64
Body-worn/Hotspot	NR Band n77 PC2	D	0390M	-0.07	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	13.00	11.42	0	5	Back	0.212	0.305	0.345	-	18.15	
Body-worn/Hotspot	NR Band n77 PC2	D	0055M	-0.11	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	13.00	11.42	0	5	Front	0.000	0.000	0.000	-	61.42	
Hotspot	NR Band n77 PC2	D	0055M	-0.11	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	13.00	11.42	0	10	Bottom	0.000	0.000	0.000	-	61.42	
Head	NR Band n77 PC2	F	0055M	-0.07	100.0%	100.0%	3750	650000	DFT-s-OFDM QPSK, 100 MHz	1	1	15.50	14.40	0	0	Right Cheek	0.608	0.783	0.885	-	16.56	18.86
Head	NR Band n77 PC2	F	0055M	-0.08	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	137	15.50	14.94	0	0	Right Cheek	0.428	0.488	0.551	-	18.61	
Head	NR Band n77 PC2	F	0055M	-0.03	100.0%	100.0%	3750	650000	DFT-s-OFDM QPSK, 100 MHz	135	138	15.50	14.38	0	0	Right Cheek	0.512	0.663	0.749	-	17.28	
Head	NR Band n77 PC2	F	0055M	-0.14	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	69	15.50	14.97	0	0	Right Cheek	0.428	0.484	0.547	-	18.65	
Head	NR Band n77 PC2	F	0055M	-0.09	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	270	0	15.50	14.93	0	5	Right Cheek	0.452	0.515	0.592	-	18.37	18.21
Head	NR Band n77 DoD PC2	F	0055M	-0.02	100.0%	100.0%	3500.01	633334	DFT-s-OFDM QPSK, 100 MHz	1	1	15.50	15.09	0	0	Right Tilt	0.640	0.703	0.794	-	17.02	
Head	NR Band n77 PC2	F	0055M	0.00	100.0%	100.0%	3750	650000	DFT-s-OFDM QPSK, 100 MHz	1	1	15.50	14.40	0	0	Right Tilt	0.751	0.967	1.093	57	15.64	
Head	NR Band n77 PC2	F	0055M	-0.07	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	137	15.50	14.94	0	0	Right Tilt	0.492	0.560	0.633	-	18.02	
Head	NR Band n77 PC2	F	0055M	-0.03	100.0%	100.0%	3750	650000	DFT-s-OFDM QPSK, 100 MHz	135	138	15.50	14.38	0	0	Right Tilt	0.594	0.769	0.869	-	16.64	20.77
Head	NR Band n77 PC2	F	0055M	-0.06	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	69	15.50	14.97	0	0	Right Tilt	0.450	0.507	0.574	-	18.43	
Head	NR Band n77 PC2	F	0055M	-0.02	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	270	0	15.50	14.93	0	0	Right Tilt	0.506	0.577	0.652	-	17.88	
Head	NR Band n77 PC2	F	0055M	0.12	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	137	15.50	14.94	0	0	Left Cheek	0.210	0.239	0.270	-	21.71	
Head	NR Band n77 PC2	F	0055M	-0.11	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	69	15.50	14.97	0	0	Left Cheek	0.193	0.218	0.246	-	22.11	20.93
Head	NR Band n77 PC2	F	0055M	-0.03	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	137	15.50	14.94	0	0	Left Tilt	0.198	0.225	0.254	-	21.97	
Head	NR Band n77 PC2	F	0055M	0.05	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	69	15.50	14.97	0	0	Left Tilt	0.220	0.249	0.281	-	21.54	
Body-worn/Hotspot	NR Band n77 DoD PC2	F	0055M	-0.06	100.0%	100.0%	3500.01	633334	DFT-s-OFDM QPSK, 100 MHz	1	1	17.50	16.56	0	5	Back	0.411	0.510	0.576	-	20.42	
Body-worn/Hotspot	NR Band n77 PC2	F	0055M	0.17	100.0%	100.0%	3750	650000	DFT-s-OFDM QPSK, 100 MHz	1	137	17.50	15.81	0	5	Back	0.465	0.686	0.775	-	19.13	20.93
Body-worn/Hotspot	NR Band n77 PC2	F	0055M	-0.02	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	271	17.50	16.50	0	5	Back	0.471	0.593	0.670	-	19.76	
Body-worn/Hotspot	NR Band n77 PC2	F	0055M	0.05	100.0%	100.0%	3750	650000	DFT-s-OFDM QPSK, 100 MHz	135	0	17.50	15.79	0	5	Back	0.493	0.731	0.826	-	18.86	
Body-worn/Hotspot	NR Band n77 PC2	F	0055M	-0.07	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	138	17.50	16.46	0	5	Back	0.419	0.532	0.601	-	20.23	
Body-worn/Hotspot	NR Band n77 PC2	F	0055M	-0.03	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	271	17.50	16.28	0	5	Back	0.396	0.524	0.592	-	20.30	18.86
Body-worn/Hotspot	NR Band n77 PC2	F	0055M	-0.05	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	271	17.50	16.50	0	5	Front	0.217	0.273	0.308	-	21.13	
Body-worn/Hotspot	NR Band n77 PC2	F	0055M	0.04	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	138	17.50	16.46	0	5	Front	0.210	0.267	0.302	-	21.23	
Hotspot	NR Band n77 PC2	F	0055M	-0.06	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	271	17.50	16.50	0	10	Top	0.117	0.147	0.166	-	25.81	
Hotspot	NR Band n77 PC2	F	0055M	-0.04	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	138	17.50	16.46	0	10	Top	0.116	0.147	0.166	-	25.81	20.93
Hotspot	NR Band n77 PC2	F	0055M	0.01	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	271	17.50	16.50	0	10	Left	0.037	0.047	0.053	-	30.81	
Hotspot	NR Band n77 PC2	F	0055M	-0.06	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	138	17.50	16.46	0	10	Left	0.033	0.042	0.047	-	31.27	
Head	NR Band n77 DoD PC2	H	0055M	0.06	100.0%	100.0%	3500.01	633334	SRS/CW, 100 MHz	N/A	N/A	14.50	13.19	0	0	Right Cheek	0.616	0.833	0.941	-	15.29	14.55
Head	NR Band n77 PC2	H	0055M	0.01	100.0%	100.0%	3750	650000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.16	0	0	Right Cheek	0.725	0.987	1.115	-	14.55	
Head	NR Band n77 PC2	H	0055M	0.05	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.95	0	0	Right Cheek	0.579	0.657	0.742	-	16.32	
Head	NR Band n77 PC2	H	0055M	0.10	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.95	0	0	Right Tilt	0.044	0.050	0.057	-	27.51	
Head	NR Band n77 PC2	H	0055M	-0.11	100.0%	100.0%	3750	650000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.16	0	0	Left Cheek	0.478	0.651	0.736	-	16.36	18.21
Head	NR Band n77 PC2	H	0055M	-0.01	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.95	0	0	Left Cheek	0.402	0.456	0.515	-	17.90	
Head	NR Band n77 PC2	H	0055M	0.11	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	14.50	13.95	0	0	Left Tilt	0.039	0.044	0.050	-	28.03	
Body-worn/Hotspot	NR Band n77 PC2	H	0055M	-0.06	100.0%	100.0%	3930	662000	SRS/CW, 100 MHz	N/A	N/A	16.00	15.74	0	5	Back	0.277	0.294	0.332	-	21.31	
Body-worn/Hotspot	NR Band n77 DoD PC2	H	0055M	-0.07	100.0%	100.0%	3500.01	633334	SRS/CW, 100 MHz	N/A	N/A	16.00	15.01	0	5							



3.6. WIFI SAR Data

Table 3-30

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Measured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	Data Rate [Mbps]	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	Maximum Allowed Power 2nd Ant [dBm]	Measured Conducted Power 2nd Ant [dBm]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Test Plot	Part0 Frame Avg Plimit [dBm]	Part0 Overall Frame Avg Plimit [dBm]
Head	2.4 GHz WiFi	G	0093M	0.01	100.0%	98.3%	2437	6	IEEE 802.11b - 22 MHz	1	15.00	13.23	N/A	N/A	0	Right Cheek	0.451	0.690	0.780	-	16.61	16.61
Head	2.4 GHz WiFi	G	0093M	-0.18	100.0%	98.3%	2437	6	IEEE 802.11b - 22 MHz	1	15.00	13.23	N/A	N/A	0	Right Tilt	0.186	0.285	0.322	-	20.45	
Head	2.4 GHz WiFi	G	0093M	-0.05	100.0%	98.3%	2437	6	IEEE 802.11b - 22 MHz	1	15.00	13.23	N/A	N/A	0	Left Cheek	0.129	0.197	0.223	-	22.04	
Head	2.4 GHz WiFi	G	0093M	-0.06	100.0%	98.3%	2437	6	IEEE 802.11b - 22 MHz	1	15.00	13.23	N/A	N/A	0	Left Tilt	0.061	0.093	0.105	-	25.30	19.77
Body-worn/Hotspot	2.4 GHz WiFi	G	0222M	0.10	100.0%	98.3%	2437	6	IEEE 802.11b - 22 MHz	1	18.00	17.40	N/A	N/A	5	Back	0.568	0.664	0.750	-	19.77	
Body-worn/Hotspot	2.4 GHz WiFi	G	0117M	-0.04	100.0%	98.3%	2437	6	IEEE 802.11b - 22 MHz	1	18.00	17.40	N/A	N/A	5	Front	0.416	0.486	0.549	-	21.13	
Hotspot	2.4 GHz WiFi	G	0117M	-0.01	100.0%	98.3%	2437	6	IEEE 802.11b - 22 MHz	1	18.00	17.40	N/A	N/A	10	Top	0.073	0.085	0.096	-	28.69	19.77
Hotspot	2.4 GHz WiFi	G	0117M	-0.05	100.0%	98.3%	2437	6	IEEE 802.11b - 22 MHz	1	18.00	17.40	N/A	N/A	10	Left	0.265	0.310	0.350	-	23.09	
Hotspot	2.4 GHz WiFi	I	0093M	0.02	100.0%	98.8%	2437	6	IEEE 802.11b - 22 MHz	1	15.00	13.37	N/A	N/A	0	Right Cheek	0.345	0.508	0.574	-	17.94	
Head	2.4 GHz WiFi	I	0093M	0.08	100.0%	98.8%	2437	6	IEEE 802.11b - 22 MHz	1	15.00	13.37	N/A	N/A	0	Right Tilt	0.038	0.056	0.063	-	27.52	16.15
Head	2.4 GHz WiFi	I	0093M	0.05	100.0%	98.8%	2437	6	IEEE 802.11b - 22 MHz	1	15.00	13.37	N/A	N/A	0	Left Cheek	0.521	0.767	0.867	-	16.15	
Head	2.4 GHz WiFi	I	0093M	0.08	100.0%	98.8%	2437	6	IEEE 802.11b - 22 MHz	1	15.00	13.37	N/A	N/A	0	Left Tilt	0.089	0.131	0.148	-	23.82	
Body-worn/Hotspot	2.4 GHz WiFi	I	0117M	0.01	100.0%	98.8%	2462	11	IEEE 802.11b - 22 MHz	1	18.00	17.42	N/A	N/A	5	Back	0.416	0.481	0.544	-	21.17	19.71
Body-worn/Hotspot	2.4 GHz WiFi	I	0117M	0.01	100.0%	98.8%	2462	11	IEEE 802.11b - 22 MHz	1	18.00	17.42	N/A	N/A	5	Front	0.582	0.673	0.760	61	19.71	
Hotspot	2.4 GHz WiFi	I	0117M	0.16	100.0%	98.8%	2462	11	IEEE 802.11b - 22 MHz	1	18.00	17.42	N/A	N/A	10	Top	0.000	0.000	0.000	-	67.36	
Hotspot	2.4 GHz WiFi	I	0117M	-0.17	100.0%	98.8%	2462	11	IEEE 802.11b - 22 MHz	1	18.00	17.42	N/A	N/A	10	Right	0.057	0.066	0.075	-	29.80	14.50
Head	2.4 GHz WiFi	MIMO (G&I)	0117M	0.01	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	15.00	13.04	15.00	13.23	0	Right Cheek	0.339	0.614	0.694	-	17.11	
Head	2.4 GHz WiFi	MIMO (G&I)	0117M	-0.04	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	15.00	13.04	15.00	13.23	0	Right Tilt	0.179	0.324	0.366	-	19.89	
Head	2.4 GHz WiFi	MIMO (G&I)	0117M	-0.03	100.0%	86.7%	2412	1	IEEE 802.11n - 20 MHz	13	15.00	13.05	15.00	13.04	0	Left Cheek	0.505	0.915	1.034	-	15.39	14.50
Head	2.4 GHz WiFi	MIMO (G&I)	0117M	0.01	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	15.00	13.04	15.00	13.23	0	Left Cheek	0.602	1.091	1.233	-	14.62	
Head	2.4 GHz WiFi	MIMO (G&I)	0117M	0.04	100.0%	86.7%	2462	11	IEEE 802.11n - 20 MHz	13	15.00	13.02	15.00	13.05	0	Left Cheek	0.616	1.121	1.267	60	14.50	
Head	2.4 GHz WiFi	MIMO (G&I)	0117M	-0.05	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	15.00	13.04	15.00	13.23	0	Left Tilt	0.062	0.112	0.127	-	24.49	19.52
Body-worn/Hotspot	2.4 GHz WiFi	MIMO (G&I)	0117M	-0.02	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	18.00	16.95	18.00	16.99	5	Back	0.479	0.704	0.796	-	19.52	
Body-worn/Hotspot	2.4 GHz WiFi	MIMO (G&I)	0117M	-0.02	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	18.00	16.95	18.00	16.99	5	Front	0.410	0.602	0.680	-	20.20	
Hotspot	2.4 GHz WiFi	MIMO (G&I)	0117M	0.08	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	18.00	16.95	18.00	16.99	10	Top	0.065	0.096	0.108	-	28.19	19.52
Hotspot	2.4 GHz WiFi	MIMO (G&I)	0117M	-0.06	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	18.00	16.95	18.00	16.99	10	Right	0.045	0.066	0.075	-	29.79	
Hotspot	2.4 GHz WiFi	MIMO (G&I)	0117M	-0.02	100.0%	86.7%	2437	6	IEEE 802.11n - 20 MHz	13	18.00	16.95	18.00	16.99	10	Left	0.251	0.369	0.417	-	22.33	



Table 3-31

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift (dB)	Maximum Duty Cycle (%)	Measured Duty Cycle (%)	Frequency [MHz]	Channel	Modulation/Configuration	Data Rate [Mbps]	UHF Band	Maximum Allowed Power (dBm)	Measured Conducted Power (dBm)	Maximum Allowed Power 2nd (dBm)	Measured Conducted Power 2nd (dBm)	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Reported 10g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Adjusted 10g SAR [W/kg]	Test Plot	Port Frame Avg Power [dBm]	Port Overall Frame Avg Power [dBm]
Head	5 GHz WIF	E	0093M	0.08	100.00	94.9%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	13.00	11.75	N/A	N/A	0	Right Cheek	0.149	0.209	-	-	0.236	-	-	-	19.79
Head	5 GHz WIF	E	0116M	0.08	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	13.00	11.43	N/A	N/A	0	Left Cheek	0.259	0.392	-	-	0.443	-	-	-	17.06
Head	5 GHz WIF	E	0116M	0.08	100.00	94.9%	5775	155	IEEE 802.11ac-80 MHz	29.3	UNII-3	13.00	11.60	N/A	N/A	0	Right Cheek	0.138	0.463	-	-	0.523	-	-	-	18.34
Head	5 GHz WIF	E	0116M	0.08	100.00	94.9%	5955	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	13.00	11.68	N/A	N/A	0	Right Cheek	0.381	0.458	-	-	0.518	-	-	-	16.38
Head	5 GHz WIF	E	0116M	0.08	100.00	94.9%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	13.00	11.75	N/A	N/A	0	Right Tit	0.079	0.111	-	-	0.125	-	-	-	22.54
Head	5 GHz WIF	E	0116M	0.08	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	13.00	11.43	N/A	N/A	0	Right Tit	0.252	0.381	-	-	0.431	-	-	-	17.18
Head	5 GHz WIF	E	0116M	0.08	100.00	94.9%	5775	155	IEEE 802.11ac-80 MHz	29.3	UNII-3	13.00	11.60	N/A	N/A	0	Right Tit	0.389	0.537	-	-	0.607	-	-	-	15.70
Head	5 GHz WIF	E	0116M	0.08	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	13.00	11.68	N/A	N/A	0	Right Tit	0.287	0.410	-	-	0.463	-	-	-	16.87
Head	5 GHz WIF	E	0079M	0.08	100.00	94.9%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	13.00	11.75	N/A	N/A	0	Left Cheek	0.401	0.563	-	-	0.636	-	-	-	15.49
Head	5 GHz WIF	E	0079M	0.05	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	13.00	11.43	N/A	N/A	0	Left Cheek	0.366	0.554	-	-	0.626	-	-	-	15.56
Head	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5775	155	IEEE 802.11ac-80 MHz	29.3	UNII-3	13.00	11.60	N/A	N/A	0	Left Cheek	0.408	0.593	-	-	0.670	-	-	-	15.26
Head	5 GHz WIF	E	0079M	-0.02	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	13.00	11.68	N/A	N/A	0	Left Cheek	0.392	0.560	-	-	0.633	-	-	-	15.51
Head	5 GHz WIF	E	0079M	-0.16	100.00	94.9%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	13.00	11.75	N/A	N/A	0	Left Tit	0.369	0.434	-	-	0.490	-	-	-	16.62
Head	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	13.00	11.43	N/A	N/A	0	Left Tit	0.347	0.525	-	-	0.593	-	-	-	15.78
Head	5 GHz WIF	E	0079M	-0.09	100.00	94.9%	5775	155	IEEE 802.11ac-80 MHz	29.3	UNII-3	13.00	11.60	N/A	N/A	0	Left Tit	0.371	0.540	-	-	0.610	-	-	-	15.67
Head	5 GHz WIF	E	0079M	0.02	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	13.00	11.68	N/A	N/A	0	Left Tit	0.382	0.546	-	-	0.617	-	-	-	15.63
Body-worn	5 GHz WIF	E	0079M	-0.14	100.00	94.9%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	15.00	14.53	N/A	N/A	5	Back	0.331	0.389	0.175	0.359	0.440	0.288	19.20	-	18.34
Body-worn	5 GHz WIF	E	0079M	-0.02	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	15.00	14.55	N/A	N/A	5	Back	0.408	0.477	0.175	0.389	0.539	0.288	18.21	-	18.21
Body-worn	5 GHz WIF	E	0079	-0.11	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	15.00	14.42	N/A	N/A	5	Back	0.536	0.646	-	-	0.730	-	-	-	16.90
Body-worn	5 GHz WIF	E	0116M	-0.11	100.00	94.9%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	15.00	14.53	N/A	N/A	5	Front	0.197	0.211	-	-	0.261	-	-	-	21.35
Body-worn	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	15.00	14.55	N/A	N/A	5	Front	0.130	0.152	-	-	0.172	-	-	-	23.18
Body-worn	5 GHz WIF	E	0079	-0.11	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	15.00	14.42	N/A	N/A	5	Front	0.313	0.377	-	-	0.426	-	-	-	19.23
Body-worn/Hotspot	5 GHz WIF	E	0117M	-0.16	100.00	94.9%	5210	42	IEEE 802.11ac-80 MHz	29.3	UNII-1	15.00	14.30	N/A	N/A	5	Back	0.304	0.376	-	-	0.425	-	-	-	19.24
Body-worn/Hotspot	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5775	155	IEEE 802.11ac-80 MHz	29.3	UNII-3	15.00	14.39	N/A	N/A	5	Back	0.317	0.409	0.141	0.267	0.461	0.267	18.74	-	18.89
Body-worn/Hotspot	5 GHz WIF	E	0117M	-0.16	100.00	94.9%	5210	42	IEEE 802.11ac-80 MHz	29.3	UNII-1	15.00	14.30	N/A	N/A	5	Front	0.270	0.334	-	-	0.377	-	-	-	19.75
Body-worn/Hotspot	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5775	155	IEEE 802.11ac-80 MHz	29.3	UNII-3	15.00	14.39	N/A	N/A	5	Front	0.198	0.240	-	-	0.275	-	-	-	21.19
Hotspot	5 GHz WIF	E	0117M	-0.16	100.00	94.9%	5210	42	IEEE 802.11ac-80 MHz	29.3	UNII-1	15.00	14.30	N/A	N/A	10	Top	0.046	0.060	-	-	0.073	-	-	-	27.12
Hotspot	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5775	155	IEEE 802.11ac-80 MHz	29.3	UNII-3	15.00	14.39	N/A	N/A	10	Top	0.043	0.052	-	-	0.073	-	-	-	27.82
Hotspot	5 GHz WIF	E	0117M	-0.16	100.00	94.9%	5210	42	IEEE 802.11ac-80 MHz	29.3	UNII-1	15.00	14.30	N/A	N/A	10	Right	0.016	0.020	-	-	0.023	-	-	-	32.03
Hotspot	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5775	155	IEEE 802.11ac-80 MHz	29.3	UNII-3	15.00	14.39	N/A	N/A	10	Right	0.025	0.030	-	-	0.034	-	-	-	30.18
Phaslet	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5210	42	IEEE 802.11ac-80 MHz	29.3	UNII-1	15.00	14.30	N/A	N/A	10	Back	0.455	0.657	0.286	0.336	0.843	0.380	16.33	-	16.33
Phaslet	5 GHz WIF	E	0079M	-0.01	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	15.00	14.55	N/A	N/A	0	Back	-	-	0.361	0.422	-	-	0.477	-	22.72
Phaslet	5 GHz WIF	E	0116M	-0.16	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	15.00	14.42	N/A	N/A	0	Back	-	-	0.307	0.370	-	-	0.418	-	23.80
Phaslet	5 GHz WIF	E	0079M	-0.03	100.00	94.9%	5210	42	IEEE 802.11ac-80 MHz	29.3	UNII-1	15.00	14.30	N/A	N/A	0	Back	-	-	0.075	0.111	-	-	0.128	-	26.74
Phaslet	5 GHz WIF	E	0079M	-0.11	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	15.00	14.55	N/A	N/A	0	Back	-	-	0.291	0.340	-	-	0.384	-	23.66
Phaslet	5 GHz WIF	E	0116M	-0.08	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	15.00	14.42	N/A	N/A	0	Front	-	-	0.259	0.312	-	-	0.353	-	24.03
Phaslet	5 GHz WIF	E	0116M	-0.18	100.00	94.9%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	15.00	14.53	N/A	N/A	0	Front	-	-	0.124	0.156	-	-	0.194	-	27.48
Phaslet	5 GHz WIF	E	0116M	-0.04	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	15.00	14.55	N/A	N/A	0	Top	-	-	0.179	0.209	-	-	0.236	-	25.77
Phaslet	5 GHz WIF	E	0116M	-0.11	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	15.00	14.42	N/A	N/A	0	Top	-	-	0.145	0.175	-	-	0.198	-	26.55
Phaslet	5 GHz WIF	E	0116M	-0.07	100.00	94.9%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	15.00	14.53	N/A	N/A	0	Right	-	-	0.172	0.202	-	-	0.228	-	25.92
Phaslet	5 GHz WIF	E	0079M	-0.03	100.00	94.9%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C	15.00	14.55	N/A	N/A	0	Right	-	-	0.307	0.409	0.141	0.187	0.483	-	18.89
Phaslet	5 GHz WIF	E	0079M	0.06	100.00	94.9%	5855	171	IEEE 802.11ac-80 MHz	29.3	UNII-4	15.00	14.42	N/A	N/A	0	Right	-	-	0.129	0.155	-	-	0.175	-	27.06
5 GHz WIF	G	0079M	0.02	100.00	94.5%	5290	58	IEEE 802.11ac-80 MHz	29.3	UNII-2A	13.00	11.95	N/A	N/A	0	Right Cheek	0.438	0.596	-	-	0.673	-	-	-	15.24	
5 GHz WIF	G	0079M	0.02	100.00	94.5%	5610	122	IEEE 802.11ac-80 MHz	29.3	UNII-2C																

Table 3-32

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift (dB)	Maximum Duty Cycle (%)	Measured Duty Cycle (%)	Frequency [MHz]	Channel	Modulation/Configuration	Data Rate [Mbps]	Unit Band	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	Maximum Allowed Power 2nd Ant [dBm]	Measured Conducted Power 2nd Ant [dBm]	Separation Distance [mm]	Position	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Reported 10g SAR [W/kg]	Measured APD [W/m ²]	Reported APD [W/m ²]	Adjusted 1g SAR [W/kg]	Adjusted 10g SAR [W/kg]	Test Plot	PartID Frame Avg Pilot [dBm]	PartID Overall Frame Avg Pilot [dBm]	
Head	6 GHz WFI	E	0078M	-0.02	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.65	N/A	N/A	0	Right Cheek	0.265	0.268	-	-	1.700	1.846	0.325	-	-	-	19.40	-
Head	6 GHz WFI	E	0078M	0.17	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.65	N/A	N/A	0	Right Tilt	0.337	0.366	-	-	2.150	2.335	0.414	-	-	-	18.36	-
Head	6 GHz WFI	E	0078M	0.05	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.65	N/A	N/A	0	Left Cheek	0.398	0.398	-	-	2.620	2.645	0.486	-	-	-	17.46	-
Head	6 GHz WFI	E	0078M	0.08	100.0%	99.8%	6225	55	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.60	N/A	N/A	0	Left Cheek	0.095	0.104	-	-	0.548	0.602	0.188	-	-	-	23.81	-
Head	6 GHz WFI	E	0078M	-0.13	100.0%	99.8%	6465	103	IEEE 802.11ax-80 MHz	29.3	UNII-6	11.00	10.48	N/A	N/A	0	Left Cheek	0.047	0.053	-	-	0.229	0.259	0.084	-	-	-	23.75	-
Head	6 GHz WFI	E	0078M	-0.09	100.0%	99.8%	6705	151	IEEE 802.11ax-80 MHz	29.3	UNII-7	9.50	8.91	N/A	N/A	0	Left Cheek	0.194	0.213	-	-	1.090	1.195	0.241	-	-	-	20.71	-
Head	6 GHz WFI	E	0078M	0.08	100.0%	99.8%	7025	215	IEEE 802.11ax-80 MHz	29.3	UNII-8	11.00	10.44	N/A	N/A	0	Left Cheek	0.067	0.076	-	-	0.340	0.387	0.121	-	-	-	22.17	-
Head	6 GHz WFI	E	0078M	0.11	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.65	N/A	N/A	0	Left Tilt	0.388	0.421	-	-	2.570	2.791	0.476	-	-	-	17.75	-
Body-worn/Hotspot	6 GHz WFI	E	0238M	0.13	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.91	N/A	N/A	5	Back	0.155	0.162	-	-	1.200	1.438	0.217	-	-	-	16.66	-
Body-worn/Hotspot	6 GHz WFI	E	0238M	0.14	100.0%	99.8%	6225	55	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.43	N/A	N/A	5	Back	0.238	0.305	-	-	1.770	2.269	0.345	-	-	-	14.65	-
Body-worn/Hotspot	6 GHz WFI	E	0238M	-0.05	100.0%	99.8%	6465	103	IEEE 802.11ax-80 MHz	29.3	UNII-6	9.50	8.50	N/A	N/A	5	Back	0.280	0.286	-	-	1.890	1.990	0.333	-	-	-	14.93	-
Body-worn/Hotspot	6 GHz WFI	E	0238M	-0.15	100.0%	99.8%	6705	151	IEEE 802.11ax-80 MHz	29.3	UNII-7	9.50	8.31	N/A	N/A	5	Back	0.277	0.365	-	-	1.890	2.438	0.412	-	-	-	67	13.87
Body-worn/Hotspot	6 GHz WFI	E	0238M	-0.16	100.0%	99.8%	7025	215	IEEE 802.11ax-80 MHz	29.3	UNII-8	9.50	8.57	N/A	N/A	5	Back	0.265	0.252	-	-	1.250	1.555	0.285	-	-	-	15.48	-
Body-worn/Hotspot	6 GHz WFI	E	0238M	-0.16	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.58	N/A	N/A	5	Front	0.037	0.041	-	-	0.154	0.188	0.034	-	-	-	26.26	-
Hotspot	6 GHz WFI	E	0238M	-0.16	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	6.00	5.74	N/A	N/A	10	Top	0.000	0.000	-	-	0.000	0.000	0.000	-	-	-	35.73	-
Hotspot	6 GHz WFI	E	0078M	0.02	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	6.00	5.74	N/A	N/A	10	Right	0.004	0.004	-	-	0.000	0.000	0.000	-	-	-	29.71	-
Phant	6 GHz WFI	E	0117M	0.11	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.58	N/A	N/A	0	Back	0.428	0.530	-	-	2.600	3.262	0.599	-	-	-	16.29	-
Phant	6 GHz WFI	E	0117M	0.05	100.0%	99.8%	6225	55	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.43	N/A	N/A	0	Back	0.576	0.738	-	-	3.400	4.775	0.834	-	-	-	14.79	-
Phant	6 GHz WFI	E	0117M	0.11	100.0%	99.8%	6465	103	IEEE 802.11ax-80 MHz	29.3	UNII-6	9.50	8.56	N/A	N/A	0	Back	0.348	0.308	-	-	5.710	7.183	0.448	-	-	-	18.58	-
Phant	6 GHz WFI	E	0117M	0.14	100.0%	99.8%	6705	151	IEEE 802.11ax-80 MHz	29.3	UNII-7	9.50	8.18	N/A	N/A	0	Back	0.051	0.072	-	-	3.910	4.421	0.181	-	-	-	15.21	-
Phant	6 GHz WFI	E	0117M	0.11	100.0%	99.8%	7025	215	IEEE 802.11ax-80 MHz	29.3	UNII-8	9.50	8.57	N/A	N/A	0	Back	0.178	0.221	-	-	4.150	5.150	0.250	-	-	-	20.03	-
Phant	6 GHz WFI	E	0078M	-0.19	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	6.00	5.88	N/A	N/A	0	Front	0.260	0.140	-	-	5.830	2.718	0.450	-	-	-	18.57	-
Phant	6 GHz WFI	E	0078M	0.11	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	6.00	5.88	N/A	N/A	0	Top	0.156	0.193	-	-	4.470	5.756	0.318	-	-	-	20.83	-
Phant	6 GHz WFI	E	0078M	0.11	100.0%	99.8%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.58	N/A	N/A	0	Right	0.104	0.129	-	-	2.430	3.000	0.146	-	-	-	22.38	-
Head	6 GHz WFI	G	0093M	-0.06	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.69	N/A	N/A	0	Right Cheek	0.558	0.600	-	-	3.580	3.848	0.678	-	-	-	18.21	-
Head	6 GHz WFI	G	0093M	-0.06	100.0%	99.9%	6225	55	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.14	N/A	N/A	0	Right Cheek	0.260	0.260	-	-	2.460	2.460	0.325	-	-	-	23.67	-
Head	6 GHz WFI	G	0093M	-0.06	100.0%	99.9%	6465	103	IEEE 802.11ax-80 MHz	29.3	UNII-6	11.00	10.15	N/A	N/A	0	Right Cheek	0.188	0.228	-	-	1.240	1.505	0.309	-	-	-	17.45	-
Head	6 GHz WFI	G	0078M	0.06	100.0%	99.9%	6705	151	IEEE 802.11ax-80 MHz	29.3	UNII-7	14.00	13.25	N/A	N/A	0	Right Cheek	0.717	0.853	-	-	5.260	6.257	0.964	-	-	-	66	14.69
Head	6 GHz WFI	G	0078M	-0.06	100.0%	99.9%	7025	215	IEEE 802.11ax-80 MHz	29.3	UNII-8	11.00	10.53	N/A	N/A	0	Right Cheek	0.056	0.060	-	-	0.125	0.137	0.064	-	-	-	24.65	-
Head	6 GHz WFI	G	0093M	-0.04	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.69	N/A	N/A	0	Right Tilt	0.368	0.395	-	-	2.410	2.594	0.447	-	-	-	18.02	-
Head	6 GHz WFI	G	0093M	-0.06	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.69	N/A	N/A	0	Left Cheek	0.050	0.064	-	-	0.339	0.364	0.072	-	-	-	25.50	-
Head	6 GHz WFI	G	0093M	-0.06	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	14.00	13.69	N/A	N/A	0	Left Tilt	0.127	0.137	-	-	0.900	0.967	0.155	-	-	-	22.64	-
Body-worn/Hotspot	6 GHz WFI	G	0238M	-0.19	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.87	N/A	N/A	5	Back	0.105	0.122	-	-	0.738	0.854	0.178	-	-	-	18.65	-
Body-worn/Hotspot	6 GHz WFI	G	0238M	-0.11	100.0%	99.9%	6225	55	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.68	N/A	N/A	5	Back	0.086	0.104	-	-	0.534	0.646	0.113	-	-	-	19.33	-
Body-worn/Hotspot	6 GHz WFI	G	0238M	-0.11	100.0%	99.9%	6465	103	IEEE 802.11ax-80 MHz	29.3	UNII-6	9.50	8.18	N/A	N/A	5	Back	0.051	0.072	-	-	0.397	0.421	0.081	-	-	-	20.91	-
Body-worn/Hotspot	6 GHz WFI	G	0238M	-0.10	100.0%	99.9%	6705	151	IEEE 802.11ax-80 MHz	29.3	UNII-7	9.50	8.48	N/A	N/A	5	Back	0.119	0.151	-	-	0.754	0.954	0.171	-	-	-	17.72	-
Body-worn/Hotspot	6 GHz WFI	G	0238M	-0.04	100.0%	99.9%	7025	215	IEEE 802.11ax-80 MHz	29.3	UNII-8	9.50	8.86	N/A	N/A	5	Back	0.094	0.109	-	-	0.671	0.778	0.121	-	-	-	19.12	-
Body-worn/Hotspot	6 GHz WFI	G	0238M	-0.11	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.87	N/A	N/A	5	Front	0.041	0.047	-	-	0.328	0.385	0.053	-	-	-	22.73	-
Body-worn/Hotspot	6 GHz WFI	G	0078M	0.02	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	6.00	5.82	N/A	N/A	10	Top	0.016	0.017	-	-	0.016	0.017	0.010	-	-	-	23.77	-
Hotspot	6 GHz WFI	G	0078M	0.02	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	6.00	5.82	N/A	N/A	10	Left	0.020	0.021	-	-	0.040	0.049	0.018	-	-	-	22.80	-
Phant	6 GHz WFI	G	0078M	0.00	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.87	N/A	N/A	0	Back	0.149	0.149	-	-	0.604	0.604	0.137	-	-	-	15.01	-
Phant	6 GHz WFI	G	0078M	-0.06	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.87	N/A	N/A	0	Left	0.041	0.051	-	-	0.413	0.509	0.128	-	-	-	16.48	-
Phant	6 GHz WFI	G	0078M	-0.06	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.87	N/A	N/A	0	Top	0.181	0.209	-	-	4.140	4.791	0.246	-	-	-	20.26	-
Phant	6 GHz WFI	G	0078M	-0.06	100.0%	99.9%	5885	7	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.87	N/A	N/A	0	Right	0.150	0.146	-	-	3.500	3.436	0.184	-	-	-	18.87	-
Phant	6 GHz WFI	G	0078M	-0.12	100.0%	99.9%	6225	55	IEEE 802.11ax-80 MHz	29.3	UNII-5	9.50	8.88	N/A	N/A	0	Back	1.320	1.596	-	-	31.200	37.718	1.803	-	-	-	68	11.44
Phant	6 GHz WFI	G	0078M	-0.06	100.0%	99.9%	6465	103	IEEE 802.11ax-80 MHz	29.3	UNII-6	9.50	8.88	N/A	N/A	0	Left	0.086	0.091	-	-	0.400	0.400	0.068	-	-	-	15.76	-
Phant	6 GHz WFI	G	0078M	-0.06	100.0%	99.9%	6705	151	IEEE 802.11ax-80 MHz	29.3	UNII-7	9.50	8.87	N/A	N/A	0	Left	0.085	0.147	-	-	0.350	0.495	0.061	-	-	-	12.53	-



3.8. NFC SAR Data

Table 3-34

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Frequency [MHz]	Data Rate	Type	Separation Distance [mm]	Position	Measured 10g SAR [W/kg]	Reported 10g SAR [W/kg]	Test Plot
Phablet	NFC	NFC	0390M	0.06	13.56	106k	Type B	0	Back	0.011	0.011	72
Phablet	NFC	NFC	0390M	-0.02	13.56	106k	Type B	0	Front	0.000	0.000	-
Phablet	NFC	NFC	0390M	-0.02	13.56	106k	Type B	0	Top	0.000	0.000	-
Phablet	NFC	NFC	0390M	-0.02	13.56	106k	Type B	0	Left	0.000	0.000	-

3.9. 6.5 GHz WIFI PD Data

Table 3-35

Exposure Condition	Band/Mode	Antenna	Additional Information	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Measured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	Data Rate (Mbps)	Maximum Allowed Power [dBm]	Measured Conducted Power [dBm]	Maximum Allowed Power 2nd Ant [dBm]	Measured Conducted Power 2nd Ant [dBm]	IEC 62479 Uncertainty Scaling Factor	Separation Distance [mm]	Position	Measured Normal psPD [W/m ²]	Scaled Normal psPD [W/m ²]	Measured Total psPD [W/m ²]	Scaled Total psPD [W/m ²]	Test Plot
Body	6 GHz WIFI	G	-	0228M	0.09	100.0%	99.9%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.87	N/A	N/A	1.129	2	Back	0.906	1.184	1.360	1.777	
Body	6 GHz WIFI	G	-	0228M	0.00	100.0%	99.9%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.87	N/A	N/A	1.129	2	Front	1.080	1.411	1.670	2.182	
Body	6 GHz WIFI	G	-	0228M	0.16	100.0%	99.8%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.87	N/A	N/A	1.129	2	Top	0.483	0.631	0.941	1.229	
Body	6 GHz WIFI	G	-	0228M	0.06	100.0%	99.9%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.87	N/A	N/A	1.129	2	Left	2.930	3.828	5.690	7.434	74
Body	6 GHz WIFI	G	-	0228M	-0.11	100.0%	99.9%	6225	55	IEEE 802.11ax 80 MHz	68.1	9.50	8.68	N/A	N/A	1.129	2	Left	2.160	2.948	4.820	6.579	
Body	6 GHz WIFI	G	-	0228M	0.00	100.0%	99.9%	6465	103	IEEE 802.11ax 80 MHz	68.1	9.50	8.18	N/A	N/A	1.129	2	Left	1.730	2.650	3.420	5.238	
Body	6 GHz WIFI	G	-	0228M	-0.04	100.0%	99.9%	6705	151	IEEE 802.11ax 80 MHz	68.1	9.50	8.48	N/A	N/A	1.129	2	Left	1.600	2.287	2.870	4.102	
Body	6 GHz WIFI	G	-	0228M	-0.02	100.0%	99.9%	7025	215	IEEE 802.11ax 80 MHz	68.1	9.50	8.86	N/A	N/A	1.129	2	Left	1.440	1.886	2.880	3.772	
Body	6 GHz WIFI	E	-	0239M	0.00	100.0%	99.8%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.58	N/A	N/A	1.129	2	Back	1.880	2.629	3.420	4.782	
Body	6 GHz WIFI	E	-	0239M	-0.04	100.0%	99.8%	6225	55	IEEE 802.11ax 80 MHz	68.1	9.50	8.43	N/A	N/A	1.129	2	Back	2.300	3.329	3.710	5.370	
Body	6 GHz WIFI	E	-	0239M	0.10	100.0%	99.8%	6465	103	IEEE 802.11ax 80 MHz	68.1	9.50	8.56	N/A	N/A	1.129	2	Back	2.370	3.329	3.790	5.324	
Body	6 GHz WIFI	E	-	0239M	0.04	100.0%	99.8%	6705	151	IEEE 802.11ax 80 MHz	68.1	9.50	8.31	N/A	N/A	1.129	2	Back	2.410	3.586	4.730	7.038	
Body	6 GHz WIFI	E	-	0239M	-0.04	100.0%	99.8%	7025	215	IEEE 802.11ax 80 MHz	68.1	9.50	8.57	N/A	N/A	1.129	2	Back	2.520	3.532	3.780	5.297	
Body	6 GHz WIFI	E	-	0239M	0.05	100.0%	99.8%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.58	N/A	N/A	1.129	2	Front	0.440	0.615	0.655	0.916	
Body	6 GHz WIFI	E	-	0239M	-0.03	100.0%	99.8%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.58	N/A	N/A	1.129	2	Top	0.942	1.317	1.240	1.734	
Body	6 GHz WIFI	E	-	0239M	-0.10	100.0%	99.8%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.58	N/A	N/A	1.129	2	Right	0.431	0.603	0.511	0.714	
Body	6 GHz WIFI	MIMO (G&E)	Antenna G	0228M	-0.03	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.67	9.50	8.88	1.129	2	Back	0.864	1.184	1.160	1.590	
Body	6 GHz WIFI	MIMO (G&E)	Antenna E	0228M	-0.11	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.67	9.50	8.88	1.129	2	Back	2.630	3.605	4.090	5.607	
Body	6 GHz WIFI	MIMO (G&E)	Antenna G	0228M	0.20	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.67	9.50	8.88	1.129	2	Front	0.906	1.242	1.510	2.070	
Body	6 GHz WIFI	MIMO (G&E)	Antenna E	0228M	-0.05	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.67	9.50	8.88	1.129	2	Front	0.623	0.854	1.010	1.385	
Body	6 GHz WIFI	MIMO (G&E)	Antenna G	0228M	0.20	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.67	9.50	8.88	1.129	2	Top	0.409	0.561	0.810	1.110	
Body	6 GHz WIFI	MIMO (G&E)	Antenna E	0228M	0.11	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.67	9.50	8.88	1.129	2	Top	1.620	2.221	2.400	3.290	
Body	6 GHz WIFI	MIMO (G&E)	-	0228M	0.00	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.67	9.50	8.88	1.129	2	Left	2.480	3.400	5.280	7.238	
Body	6 GHz WIFI	MIMO (G&E)	-	0228M	-0.08	100.0%	99.7%	6225	55	IEEE 802.11ax 80 MHz	68.1	9.50	8.13	9.50	8.87	1.129	2	Left	2.040	3.167	3.650	5.666	
Body	6 GHz WIFI	MIMO (G&E)	-	0228M	-0.10	100.0%	99.7%	6465	103	IEEE 802.11ax 80 MHz	68.1	9.50	7.58	9.50	9.13	1.129	2	Left	1.490	2.625	2.710	4.775	
Body	6 GHz WIFI	MIMO (G&E)	-	0228M	-0.07	100.0%	99.7%	6705	151	IEEE 802.11ax 80 MHz	68.1	9.50	7.51	9.50	8.97	1.129	2	Left	1.110	1.988	1.820	3.259	
Body	6 GHz WIFI	MIMO (G&E)	-	0228M	-0.05	100.0%	99.7%	7025	215	IEEE 802.11ax 80 MHz	68.1	9.50	8.18	9.50	8.42	1.129	2	Left	1.050	1.611	2.150	3.299	
Body	6 GHz WIFI	MIMO (G&E)	-	0228M	0.10	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	9.50	8.67	9.50	8.88	1.129	2	Right	0.349	0.478	0.455	0.624	
Head	6 GHz WIFI	G	-	0228M	-0.15	100.0%	99.9%	5985	7	IEEE 802.11ax 80 MHz	68.1	14.00	13.69	N/A	N/A	1.129	2	Front	2.000	2.427	5.650	6.858	
Head	6 GHz WIFI	G	-	0228M	-0.13	100.0%	99.9%	6225	55	IEEE 802.11ax 80 MHz	68.1	14.00	13.32	N/A	N/A	1.129	2	Front	2.530	3.344	5.230	6.912	
Head	6 GHz WIFI	G	-	0228M	0.20	100.0%	99.9%	6465	103	IEEE 802.11ax 80 MHz	68.1	11.00	10.15	N/A	N/A	1.129	2	Front	1.130	1.553	1.970	2.708	
Head	6 GHz WIFI	G	-	0228M	-0.07	100.0%	99.9%	6705	151	IEEE 802.11ax 80 MHz	68.1	14.00	13.25	N/A	N/A	1.129	2	Front	2.030	2.727	4.150	5.574	
Head	6 GHz WIFI	G	-	0228M	0.00	100.0%	99.9%	7025	215	IEEE 802.11ax 80 MHz	68.1	11.00	10.52	N/A	N/A	1.129	2	Front	1.120	1.414	2.030	2.562	
Head	6 GHz WIFI	E	-	0228M	-0.03	100.0%	99.8%	5985	7	IEEE 802.11ax 80 MHz	68.1	14.00	13.65	N/A	N/A	1.129	2	Front	1.120	1.373	1.960	2.403	
Head	6 GHz WIFI	E	-	0228M	-0.04	100.0%	99.8%	6225	55	IEEE 802.11ax 80 MHz	68.1	14.00	13.6	N/A	N/A	1.129	2	Front	0.573	0.711	1.260	1.563	
Head	6 GHz WIFI	E	-	0228M	-0.20	100.0%	99.8%	6465	103	IEEE 802.11ax 80 MHz	68.1	11.00	10.48	N/A	N/A	1.129	2	Front	0.586	0.747	1.040	1.326	
Head	6 GHz WIFI	E	-	0228M	-0.04	100.0%	99.8%	6705	151	IEEE 802.11ax 80 MHz	68.1	14.00	13.61	N/A	N/A	1.129	2	Front	0.791	0.979	1.520	1.881	
Head	6 GHz WIFI	E	-	0228M	-0.20	100.0%	99.8%	7025	215	IEEE 802.11ax 80 MHz	68.1	11.00	10.44	N/A	N/A	1.129	2	Front	0.558	0.718	0.813	1.046	
Head	6 GHz WIFI	MIMO (G&E)	Antenna G	0228M	-0.08	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	14.00	13.28	14.00	13.25	1.129	2	Front	2.670	3.593	5.900	7.941	73
Head	6 GHz WIFI	MIMO (G&E)	Antenna E	0228M	0.04	100.0%	99.7%	5985	7	IEEE 802.11ax 80 MHz	68.1	14.00	13.28	14.00	13.25	1.129	2	Front	1.490	2.005	3.280	4.414	
Head	6 GHz WIFI	MIMO (G&E)	Antenna G	0228M	-0.01	100.0%	99.7%	6225	55	IEEE 802.11ax 80 MHz	68.1	14.00	12.74	14.00	13.68	1.129	2	Front	2.620	3.966	5.290	8.007	
Head	6 GHz WIFI	MIMO (G&E)	Antenna G	0228M	-0.04	100.0%	99.7%	6465	103	IEEE 802.11ax 80 MHz	68.1	11.00	9.65	11.00	10.98	1.129	2	Front	1.380	2.132	2.520	3.894	
Head	6 GHz WIFI	MIMO (G&E)	Antenna G	0228M	0.03	100.0%	99.7%	6705	151	IEEE 802.11ax 80 MHz	68.1	14.00	12.74	14.00	13.27	1.129	2	Front	1.750	2.649	3.390	5.131	
Head	6 GHz WIFI	MIMO (G&E)	Antenna G	0228M	0.03	100.0%	99.7%	7025	215	IEEE 802.11ax 80 MHz	68.1	11.00	10.47	11.00	10.44	1.129	2	Front	1.210	1.559	2.410	3.105	



3.10. General SAR Testing Notes:

1. 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.
2. Liquid tissue depth was at least 15.0 cm for all frequencies.
3. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04v01.
4. Batteries are fully charged at the beginning of the SAR measurements.
5. DUT 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 for users to support this separation distance. When the body-worn SAR is > 1.2 W/kg, additional body-worn SAR evaluations using a headset cable is required on the configuration with the highest reported SAR.
6. Per FCC KDB Publication 648474 D04v01r03, this device is considered a “phablet.” Therefore, phablet SAR tests were required when the wireless router mode does not apply or when the wireless router 1g SAR was > 1.2 W/kg (when scaled to the maximum output power).
7. 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.
8. 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. Please see Dynamic Antenna Tuning section for supplemental data.

3.11. GSM Notes:

1. Body-Worn accessory testing is typically associated with voice operations. Therefore, GSM voice 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).

3.12. UMTS Notes:

1. UMTS mode was tested under RMC 12.2 kbps with HSPA Inactive per KDB Publication 941225 D01v03r01. AMR and HSPA SAR tests were 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).

3.13. LTE Notes:

1. LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r05. The general test procedures used for testing can be found in Section 10.4.
2. 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 D05v02r05.
3. 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.
4. 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).
5. 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 Band 41/48, testing at the other channels was required for such test configurations.
6. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r05. 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.
7. This device supports LTE Carrier Aggregation (CA) in the downlink. Per October 2024 TCB Workshop Notes, LTE DLCA evaluation is not required.

3.14. NR Notes:

1. SAR testing for NR TDD was performed using test mode software to establish connections.
2. 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.
3. NR implementation supports SA and EN-DC mode. Per FCC Guidance, SAR tests for NR bands and LTE anchor bands in EN-DC mode were performed separately due to limitations in SAR probe calibration factors.
4. Per FCC KDB Publication 447498 D04v01, when the reported NR Band n77 C-Band 1g SAR measured at the highest output power channel in each test configuration was > 0.4 W/kg,



testing at the other channels was required for such test configurations.

5. Per FCC KDB Publication 447498 D04v01, when the reported NR Band n48 1g SAR measured at the highest output power channel in a given test configuration was > 0.6 W/kg, testing at the other channels was required for such test configurations.
6. Simultaneous transmission analysis for EN-DC operations is addressed in the associated Part 2 algorithm validation Test Report.
7. Per FCC Guidance, C-band for NR n77 (3700 – 3980 MHz) was fully tested according to FCC procedures. For each exposure condition and antenna, the worst-case position was additionally evaluated for NR n77 DoD band (3450 – 3550 MHz).
8. This device uses two transmit pathways for NR n41 operations. For each exposure condition and antenna, the pathway with the highest target power was fully evaluated. The worst case position for each antenna and exposure condition was additionally evaluated using the other pathway.
9. SRS was tested with CW signal per Qualcomm guidance in 80-w2112-4.

3.15. WLAN Notes:

1. 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, SAR is not required for U-NII-1 band according to FCC KDB Publication 248227 D01v02r02.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 2.4 GHz WIFI operations, the initial test configuration was selected according to the 802.11 transmission modes with the highest maximum allowed powers. SAR for other 802.11 modes was not required due to the maximum allowed powers and the highest reported SAR.
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.
4. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D04v01 making a measurement with both antennas transmitting simultaneously or by evaluating the summation of the 1g or 10g SAR values of each antenna.
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. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency is considered for SAR measurements.
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. Procedures used to measure the duty factor are identical to that in the associated Part 15 test reports.



7. For 6 GHz WIFI Operations:

- Per FCC Guidance, both SAR and Power Density measurements were performed to demonstrate compliance.
- 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.
- Per October 2020 TCB Workshop notes, absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements for 6 GHz WIFI.
- Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
- 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 1.55 dB (42.9%) was used to determine the psPD measurement scaling factor.

3.16. Bluetooth Note:

1. Per October 2016 TCB Workshop Notes, the reported SAR was scaled to the 87.0% transmission duty factor for Bluetooth LE to determine compliance. See Section 2.8 for the time domain plot and calculation for the duty factor of the device.
2. The highest frame average power configurations between Bluetooth and Bluetooth LE were evaluated for SAR.

3.17. NFC Note:

1. NFC was evaluated for phablet condition based on the expected use conditions of NFC operations (hand-held operations only).

4. DUT SAR Measurement Variability Requirement

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. These additional measurements were repeated after the completion of all measurements requiring the same 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 ($\sim 10\%$ 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 4-1

Band/Mode	Antenna	Maximum Duty Cycle [%]	Configured/Measured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB Size/# of Tones	RB Offset/Start Tone Index	Separation Distance [mm]	Position	Measured 1g SAR [W/Kg]	Repeated Measured 1g SAR [W/Kg]	Measured 10g SAR [W/Kg]	Repeated Measured 10g SAR [W/Kg]	Ratio
GSM 1900	A	12.0%	12.0%	1850.2	512	GSM, 1 Tx Slot	N/A	N/A	5	Back	0.904	0.864	-	-	1.05
GSM 850	A	48.1%	48.1%	848.8	251	GPRS, 4 Tx Slots	N/A	N/A	5	Back	0.899	0.844	-	-	1.07
NR Band n12	E	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	22	5	Back	0.865	0.823	-	-	1.05
NR Band n30	F	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	50	0	0	Right Tilt	0.917	0.891	-	-	1.03
NR Band n7	F	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 50 MHz	135	68	0	Right Tilt	0.948	0.923	-	-	1.03
NR Band n70	F	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	75	0	0	Right Tilt	1.040	0.890	-	-	1.17
NR Band n48	F	100.0%	100.0%	3570	638000	DFT-s-OFDM QPSK, 40 MHz	1	53	5	Back	0.915	0.821	-	-	1.11
NR Band n48	F	100.0%	100.0%	3624.99	641666	DFT-s-OFDM QPSK, 40 MHz	1	1	5	Back	0.946	0.932	-	-	1.02
NTN L-Band Band 255	F	71.0%	97.9%	1626.6	261505	BPSK	1	5	0	Top	-	-	2.290	2.24	1.02
2.4 GHz Bluetooth LE	I	87.0%	85.0%	2440	17	DSSS	N/A	N/A	0	Left Cheek	0.842	0.770	-	-	1.09

5. Dynamic Antenna Tuning

Per April 2025 TCB Workshop Notes, the following test procedures were followed to demonstrate that the SAR results 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 air interface, exposure condition, and antenna that supports DAT, the following procedure is followed:

1. An area scan is performed with the DUT positioned for the exposure condition with the auto-tuner enabled to determine the peak SAR location.
2. A single-point SAR measurement (i.e., time sweep) is performed at the peak SAR location of step 1 (that is, with auto-tuner enabled). The auto-tuner state shall be recorded after verifying that it is stable. If fluctuations occur, the scan procedure can be restarted, or the state with the highest SAR needs to be recorded.
3. Without moving the probe or introducing any other perturbation, the auto-tuner shall be disabled, and two other adjacent tune states shall be chosen by increasing and decreasing the state identification number by 1



4. A single point SAR measurement is then performed on both chosen adjacent states and compared with the value of step 2. The measured SAR for auto-tuner disabled is expected to be less than or equal to the recorded SAR of step 2.
If the measured SAR is higher than the value of step 2 but within tolerance, the next adjacent state (s) shall be chosen, and the measurement shall be repeated until a lower SAR value can be shown
5. Repeat step 2 with auto-tuning enabled as a test for variability within tolerance: the previous measured value in step 2 shall be recovered within the expected tolerance.
6. If any single point SAR measurement result is $> 1.4 \text{ W/kg}$, then all tune states for that particular combination of air interface, exposure condition, and antenna selection shall be evaluated with single point SAR measurements.

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

Table 5-1

UMTS					
Head			Body-worn/Hotspot		
UMTS Band 5, Ch. 4183, Right Cheek			UMTS Band 5, Ch. 4233, Back		
State	Tune state #	Timesweep (W/kg)	State	Tune state #	Timesweep (W/kg)
Auto-tuned	85	0.194	Auto-tuned	85	1.01
OL	84	0.176	OL	84	0.936
OL	86	0.192	OL	86	0.972
Auto-tuned Variability	85	0.192	Auto-tuned Variability	85	0.902

Table 5-2

LTE					
Head			Body-worn/Hotspot		
LTE Band 66, Ch. 132572, RB Size 1 RB Offset 0, Left Cheek			LTE Band 26, Ch. 26865, RB Size 1 RB Offset 74, Back		
State	Tune state #	Timesweep (W/kg)	State	Tune state #	Timesweep (W/kg)
Auto-tuned	36	0.216	Auto-tuned	1	1.058
OL	37	0.197	OL	0	0.954
OL	35	0.172	OL	2	0.879
Auto-tuned Variability	36	0.219	Auto-tuned Variability	0	1.074



Table 5-3

NR					
Head			Body-worn/Hotspot		
NR Band n70, Ch. 340500, RB Size 1 RB Offset 77, Left Cheek			NR Band n25, Ch. 376500, RB Size 1 RB Offset 1, Front		
State	Tune state #	Timesweep (W/kg)	State	Tune state #	Timesweep (W/kg)
Auto-tuned	10	0.213	Auto-tuned	10	1.192
OL	9	0.198	OL	9	1.112
OL	11	0.209	OL	11	1.135
Auto-tuned Variability	36	0.211	Auto-tuned Variability	10	1.085

6. General Introduction

Title 47 of the Code of Federal Regulations (CFR) pertains to United States Federal regulation for Telecommunications. The **Federal Communications Commission (FCC)** is the agency responsible for implementing and enforcing these regulations. The rules define a **radiofrequency device** as any device which in its operation is capable of emitting radiofrequency energy by radiation, conduction, or other means.

47CFR §2.1093(b) states, “A **portable device** is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that the RF source's radiating structure(s) **is/are within 20 centimeters of the body of the user.**”

Also, 47CFR §2.1093(d)(6) states, that General population/uncontrolled exposure limits defined in §1.1310 “apply to portable devices intended for use by consumers or persons who are exposed as a consequence of their employment and may not be fully aware of the potential for exposure or cannot exercise control over their exposure.”

47CFR §2.1093(d)(2) states that evaluation of compliance within FCC’s SAR limits can be demonstrated by laboratory measurements. This test report serves this purpose.

7. Background on Radiofrequency (RF) Exposure Limits

7.1. Controlled Environment

Controlled environments are defined as locations where the RF field intensities have been adequately characterized by means of measurement or calculation and exposure is incurred by persons who are: aware



of the potential for RF field exposure, cognizant of the intensity of the RF fields in their environment, aware of the potential health risks associated with RF field exposure and able to control their risk using mitigation strategies. 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.

7.2. Uncontrolled Environment

Uncontrolled environments are defined as locations where either insufficient assessment of RF fields have been conducted or where persons who are allowed access to these areas have not received proper RF field awareness/safety training and have no means to assess or, if required, to mitigate their exposure to RF fields. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed, or in which persons who may not be made fully aware of the potential for exposure, or cannot exercise control over their exposure. Members of the general public would fall under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

7.3. RF Exposure Limits for 100kHz – 6 GHz

Table 7-1 Human Exposure to RF Radiation Limits in 47 CFR §1.1310 - SAR Basic Restrictions for frequencies 100kHz ~ 6 GHz

Environment	Condition	SAR	Averaging volume
Uncontrolled / General Population	Head, Neck Trunk	1.6 W/kg	1g cube
	Extremity	4.0 W/kg	10g cube
Controlled	Head/Trunk	8 W/kg	1g cube
	Extremity / Limbs	20 W/kg	10g cube

7.4. RF Exposure Limits for 6 - 100 GHz

Per FCC 47 CFR §1.1310, the power density limits are applied for frequencies between 6 GHz and 100 GHz as shown below. Note that 10 W/m² is equivalent to 1 mW/cm².



Table 7-2 Human Exposure to RF Radiation Limits in 47 CFR §1.1310

Environment	Power Density (W/m ²)	Average Time (minutes)
Uncontrolled / General Population	10	30
Controlled	50	6

7.5. General FCC Policy on Human Exposure to RF

Quoted from the FCC OET [website](#):

The FCC is required by the National Environmental Policy Act of 1969, among other things, to evaluate the effect of emissions from FCC-regulated transmitters on the quality of the human environment. Several organizations, such as the American National Standards Institute (ANSI), the Institute of Electrical and Electronics Engineers, Inc. (IEEE), and the National Council on Radiation Protection and Measurements (NCRP) have issued recommendations for human exposure to RF electromagnetic fields.

On August 1, 1996, the Commission adopted the NCRP's recommended Maximum Permissible Exposure limits for field strength and power density for the transmitters operating at frequencies of 300 kHz to 100 GHz. In addition, the Commission adopted the specific absorption rate (SAR) limits for devices operating within close proximity to the body as specified within the ANSI/IEEE C95.1-1992 guidelines. (See [Report and Order, FCC 96-326](#))

The Commission's requirements are detailed in Parts 1 and 2 of the FCC's Rules and Regulations [47 C.F.R. 1.1307(b), 1.1310, 2.1091, 2.1093]. The potential hazards associated with RF electromagnetic fields are discussed in the FCC's [RF Safety FAQ](#).



8. RF Safety Laboratory SAR Measurement System

8.1. SAR Measurement Hardware and Software

Peak spatially averaged SAR (psSAR) measurements are performed using a DASY8 robot system with cDASY8 module SAR software. The DASY8 is made by SPEAG in Switzerland and consists of a 6-axis robot, robot controller, computer, dosimetric probe, probe alignment light beam unit, and various SAR phantoms.

8.2. E-Field Probe

Manufacturer	Schmid & Partner Engineering AG
Model	EX3DV4
Description	Smallest isotropic electric (E-) field probe for high precision specific absorption rate (SAR) measurements
Frequency Range	4 MHz - 10.0 GHz
Dynamic Range	10 μ W/g – >100 mW/g
Overall Length (mm)	337
Body Diameter (mm)	12
Tip Length (mm)	9
Tip Diameter (mm)	2.5
Probe Tip to Sensor X Calibration Point (mm)	1
Probe Tip to Sensor Y Calibration Point (mm)	1
Applications	High precision dosimetric measurements in any exposure scenario (e.g. very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better than 30%
Compatibility	DASY8 robot + cDASY8 module SAR software

8.3. Peak Spatially Averaged SAR (psSAR) Measurements

SAR Evaluations are 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 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 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 the area scan and zoomscan resolutions specified in FCC KDB Publication 865664 D01v01r04 section 2.7.1 and IEEE 1528:2013 table 6. 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.
 - d. The zoom scan is confirmed to meet both of the following parameters if the result is > 0.1 W/kg. If the result does not meet the below parameters, it is re-measured with a finer resolution scan until the below parameters are met.
 - (1) The smallest horizontal distance from the local SAR peaks to all points 3 dB below the SAR peak shall be larger than the horizontal grid steps in both x- and y-directions.
 - (2) The ratio of the SAR at the second measured point (M2) to the SAR at the closest measured point (M1) at the x-y location of the measured maximum SAR value shall be at least 30%
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.

8.4. Head Reference Points

8.4.1. Ear Reference Point

Figure 7 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 8. 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. 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.

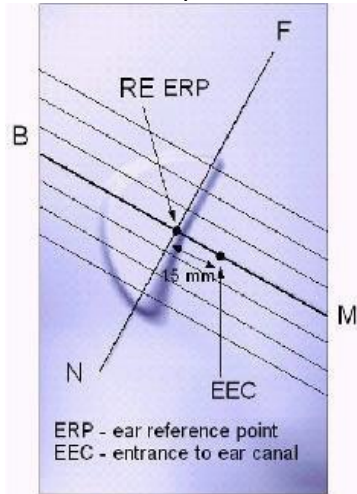


Figure 7 -Side View of ERP



Figure 8 - SAM Twin Phantom

8.4.2. Handset Reference Point

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 9). 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.

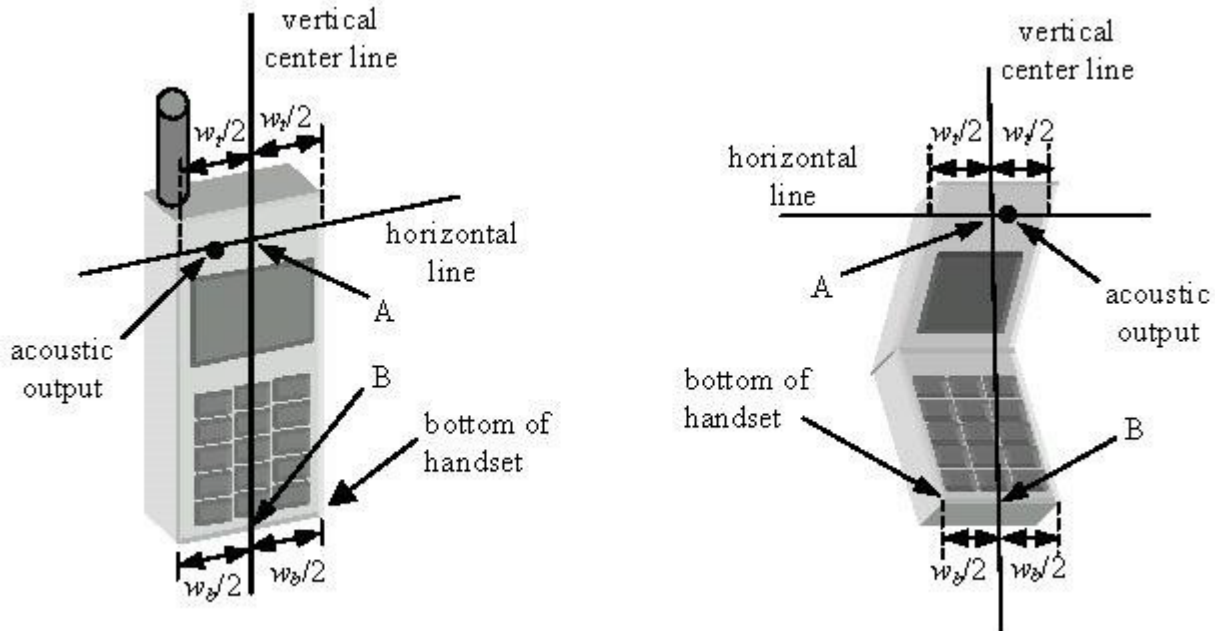


Figure 9 - Handset Reference Points

8.5. Test Positions

8.5.1. 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 $\delta = 0.02$.

8.5.2. Positioning for Cheek

- 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, 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.
- The handset was translated towards the phantom along the line passing through RE & LE until the handset touches the pinna.
- 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.
- The phone was then rotated around the vertical centerline until the phone (horizontal line) was symmetrical with respect to the line NF.
- 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).



8.5.3. Positioning for Tilt

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

- 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.
- The phone was then rotated around the horizontal line by 15 degrees.
- 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.

8.5.4. 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. Per FCC KDB Publication 648474 D04v01r03, 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.

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 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.

8.5.5. 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.

8.5.6. 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.

8.5.7. 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 D01v06r03 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 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.

8.6. RF Safety Laboratory SAR System Measurement Uncertainty

SAR Uncertainty for DUTs According to 62209-1528 (Frequencies: 4 MHz - 10 GHz)										
Symbol	Input Quantity (Xi) (Source of Uncertainty)	62209-1528 Ref	Unc. (xi)	Prob. Dist. PDFI	Div(qi)	ci (1g)	ci (10g)	Std Unc (1g)	Std. Unc (10g)	vi
Measurement System Errors										
CF	Probe Calibration	8.4.1.1	18.6%	N (k=2)	2	1	1	9.30%	9.3%	∞
CFdrift	Probe Calibration Drift	8.4.1.2	1.7%	R	$\sqrt{3}$	1	1	1.0%	1.0%	∞
LIN	Probe Linearity and Detection Limit	8.4.1.3	4.7%	R	$\sqrt{3}$	1	1	2.7%	2.7%	∞
BBS	Broadband Signal	8.4.1.4	2.8%	R	$\sqrt{3}$	1	1	1.6%	1.6%	∞
ISO	Probe Isotropy	8.4.1.5	7.6%	R	$\sqrt{3}$	1	1	4.4%	4.4%	∞
DAE	Other probe and data acquisition errors	8.4.1.6	2.4%	N	1	1	1	2.4%	2.4%	∞
AMB	RF Ambient and Noise	8.4.1.7	1.8%	N	1	1	1	1.8%	1.8%	∞
Δxyz	Probe Positioning Errors	8.4.1.8	0.005 mm	N	1	0.5	0.5	0.3%	0.3%	∞
DAT	Data Processing Errors	8.4.1.9	3.5%	N	1	1	1	3.5%	3.5%	∞
Phantom and Device Errors										
LIQ(σ)	Measurement of Phantom Conductivity	8.4.2.1	2.5%	N	1	0.78	0.71	2.0%	1.8%	∞
LIQ(Tc)	Temperature Effects (Medium)	8.4.2.2	5.4%	R	$\sqrt{3}$	0.78	0.71	2.4%	2.2%	∞
EPS	Shell Permittivity	8.4.2.3	14.0%	R	$\sqrt{3}$	0.5	0.5	4.0%	4.0%	∞
DIS	Distance between the radiating element of the DUT and the phantom medium	8.4.2.4	2.0%	N	1	2	2	4.0%	4.0%	∞
Dxyz	Repeatability of Positioning the DUT or source against the phantom	8.4.2.5	1.0%	N	1	1	1	1.0%	1.0%	5
H	Device Holder Effects	8.4.2.6	3.6%	N	1	1	1	3.6%	3.6%	8
MOD	Effect of Operating mode on probe sensitivity	8.4.2.7	2.4%	R	$\sqrt{3}$	1	1	1.4%	1.4%	∞
RFdrift	Variation in SAR due to Drift in output of DUT	8.4.2.9	2.5%	N	1	1	1	2.5%	2.5%	∞
VAL	Validation Antenna Uncertainty (Validation measurement only)	8.4.2.10	0.0%	N	1	1	1	0.0%	0.0%	∞
Pin	Uncertainty in Accepted Power (Validation Measurement only)	8.4.2.11	0.0%	N	1	1	1	0.0%	0.0%	∞
Correction to the SAR Results										
C(ϵ' , σ)	Phantom Deviation from Target (ϵ' , σ)	8.4.3.1	1.9%	N	1	1	0.84	1.9%	1.6%	∞
C(R)	SAR Scaling	8.4.3.2	0.0%	R	$\sqrt{3}$	1	1	0.0%	0.0%	∞
u(Δ SAR)	Combined Uncertainty							14.3%	14.3%	∞
U	Expanded Uncertainty and Effective Degrees of Freedom (k=2)							28.7%	28.5%	



9. RF Safety Laboratory Power Density Measurement System

9.1. Power Density Measurement Hardware and Software

Peak spatially averaged power density (psPD) measurements are performed using a DASY8 robot system with cDASY8 module mmWave software. The DASY8 is made by SPEAG in Switzerland and consists of a 6-axis robot, robot controller, computer, dosimetric probe, and probe alignment light beam unit.

9.2. E-Field Probe

Manufacturer	Schmid & Partner Engineering AG
Model	EUmmWVx
Description	E-field probe for high precision power density (PD) measurements
Frequency Range	750 MHz - 110 GHz
Dynamic Range	< 20 - 10,000 V/m with PRE-10 (min < 50 - 3,000 V/m)
Overall Length (mm)	320
Body Diameter (mm)	8
Tip Length (mm)	23
Tip Diameter (mm)	8
Probe Tip to Sensor X Calibration Point (mm)	1.5
Probe Tip to Sensor Y Calibration Point (mm)	1.5
Applications	High precision dosimetric measurements of devices and transmitters above 6 GHz
Compatibility	DASY8 robot + cDASY8 module mmWave software



9.3. Peak Spatially Averaged Power Density (psPD) Measurements

Electromagnetic field reconstruction is based on Maxwell's equations and uses the Gerchberg-Saxton algorithm to calculate power density. The general measurement procedure is as follows:

1. Measure the local E-field at a point within the measurement region and where the field is higher than the noise level. This reference level will be used to assess output DUT drift during the measurement.
2. Measure the E-field over the measurement region. Measurement techniques are determined by the measurement system manufacturer. In the near-field, a step size of $\lambda/4$ or less is required.
3. Check that the peak is captured. Calculate the psPD on the evaluation surface from the measured fields and ensure the psPD is accurately calculated according to the equation below. Averaging area, A, and averaging shape is specified by the applicable exposure limits or regulatory requirements.

$$psPD = \frac{1}{2A_{av}} \iint_{A_{av}} \|Re\{E \times H\}\| dA$$

4. Measure the local E-field at the same location chosen in the first step. The DUT drift is estimated as the difference between the squared amplitude of the field values taken. When measurement drift was greater than 5%, the psPD measurement and drift measurements were repeated.

9.4. RF Safety Laboratory Power Density System Measurement Uncertainty

Power Density Uncertainty for DUTs According to IEC/IEEE 63195							
Symbol	Description	Unc. (+/- dB)	Probab. Distrib.	Div.	cl	Std. Unc. (+/- dB)	vi
Measurement System							
CAL	Calibration	0.49	N	1	1	0.49	∞
COR	Probe correction	0.00	R	V3	1	0.00	∞
FRS	Frequency Response	0.20	R	V3	1	0.12	∞
SCC	Sensor cross coupling	0.00	R	V3	1	0.00	∞
ISO	Isotropy	0.50	R	V3	1	0.29	∞
LIN	Linearity	0.20	R	V3	1	0.12	∞
PSC	Probe scattering	0.00	R	V3	1	0.00	∞
PPO	Probe positioning offset	0.30	R	V3	1	0.17	∞
PPR	Probe positioning repeatability	0.04	R	V3	1	0.02	∞
SMD	Sensor mechanical offset	0.00	R	V3	1	0.00	∞
PSR	Probe spatial resolution	0.00	R	V3	1	0.00	∞
FLD	Field impedance dependence	0.00	R	V3	1	0.00	∞
MED	Measurement drift	0.05	R	V3	1	0.03	∞
APN	Amplitude and phase noise	0.04	R	V3	1	0.02	∞
TR	Measurement area truncation	0.00	R	V3	1	0.00	∞
DAQ	Data acquisition	0.03	N	1	1	0.03	∞
SMP	Sampling	0.00	R	V3	1	0.00	∞
REC	Field reconstruction	0.60	R	V3	1	0.35	∞
SNR	Signal-to-noise ratio	0.00	R	V3	1	0.00	∞
TIR	ITE/MEO	0.00	R	V3	1	0.00	∞
SCA	Power density scaling	0.00	R	V3	1	0.00	∞
SAV	Spatial averaging	0.10	R	V3	1	0.06	∞
DUT and Environmental							
PC	Probe coupling with DUT	0.00	R	V3	1	0.00	∞
MOD	Modulation response	0.40	R	V3	1	0.23	∞
IT	Integration time	0.00	R	V3	1	0.00	∞
RT	Response time	0.00	R	V3	1	0.00	∞
DH	Device holder influence	0.10	R	V3	1	0.06	∞
DA	DUT alignment	0.00	R	V3	1	0.00	∞
AC	RF ambient conditions	0.04	R	V3	1	0.02	∞
TEM	Laboratory temperatures	0.05	R	V3	1	0.03	∞
REF	Laboratory reflections	0.04	R	V3	1	0.02	∞
MSI	Immunity / secondary reception	0.00	R	V3	1	0.00	∞
ONI	Drift of the DUT	0.21	R	V3	1	0.12	∞
Combined Standard Uncertainty						0.76	∞
Expanded Standard Uncertainty and Effective Degrees of Freedom (k=2)						1.52	

10. Technology Specific Test Setup Requirements

10.1. 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.

10.2. 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.

10.3. 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. 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.

10.4. SAR Measurement Conditions for UMTS

10.4.1. 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.

10.4.2. 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 “1s”. 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.

10.4.3. 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 DPDCHn 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 DPDCHn, for the highest reported SAR configuration in 12.2 kbps RMC.

10.4.4. 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.

10.4.5. 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.

10.4.6. 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.

10.5. SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r05 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR. The R&S CMW500 or Anritsu MT8000A 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).

10.5.1. 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.

10.5.2. MPR and A-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.

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

10.5.3. Required RB Size and RB Offsets for SAR Testing

According to FCC KDB 941225 D05v02r05:

1. Per Section 5.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
 - a. The required channel and offset combination with the highest maximum output power is required for SAR.



- b. 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.
 - c. 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.
2. 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.
3. 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.
4. 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.
5. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

10.5.4. TDD

LTE TDD testing is performed using the SAR test guidance provided in FCC KDB 941225 D05v02r045. 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 D05v02r05. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211 Section 4.

10.6. 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.

10.6.1. 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% duty factor to determine compliance at the maximum tune-up tolerance limit.

10.6.2. Initial Test Position Procedure

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.

10.6.3. 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. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest 802.11 mode is considered for SAR measurements.

2.4 GHz 802.11 g/n 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.

10.6.4. 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 or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., then 802.11n or 802.11g then 802.11n, is used for SAR measurement.

10.6.5. 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 802.11 mode is considered for SAR measurements. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

10.6.6. 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.



11. Equipment List

Manufacturer	Model	Description	Serial Number	Calibration Date	Calibration Due	CET
Amplifier Research	1554GBM1	RF Broadband Amplifier (4 - 8 GHz)	0554407			✓
Amplifier Research	5516A	RF Broadband Amplifier (800 MHz - 4.2 GHz)	331258			✓
Anritsu	MG3691B	Anritsu MG3691B Signal Generator	54914	3/10/24	3/10/26	
Anritsu	MA24118A	Microwave USB Power Sensor (10MHz - 18 GHz)	2123431	1/13/2025	1/13/2026	
Anritsu	MA24118A	Microwave USB Power Sensor (10MHz - 18 GHz)	2123500	1/13/2025	1/13/2026	
Rohde & Schwarz	NRPS	Power Sensor 10 MHz - 8 GHz	114184	3/10/25	3/10/26	
Rohde & Schwarz	NRPS	Power Sensor 10 MHz - 8 GHz	114183	3/10/25	3/10/26	
Rohde & Schwarz	NRPS	Power Sensor 10 MHz - 8 GHz	114343	6/10/25	6/10/26	
Anritsu	MT800A	MT800A Radio Communication Test Station	6262263936	8/14/2025	8/14/2027	
Anritsu	9820E	Vector Network Analyzer	2348026	11/30/2023	11/30/2025	
Rohde & Schwarz	ZN120	Vector Network Analyzer	051202	9/12/2024	9/12/2026	
Control Company	4040	Ambient Thermometer	230581862	7/17/2025	7/17/2027	
Control Company	4040	Ambient Thermometer	230581867	7/17/2025	7/17/2027	
Control Company	4040	Ambient Thermometer	230581656	7/17/2025	7/17/2027	
Control Company	4352	Long Stem Liquid Thermometer	230662212	4/23/2025	4/23/2027	
Control Company	4352	Long Stem Liquid Thermometer	230662223	4/23/2025	4/23/2027	
Control Company	4352	Long Stem Liquid Thermometer	230662291	4/23/2025	4/23/2027	
Micro-Coax	UFB205A-D-0240-30x30	SMA M-F RF test Cable (DC - 18 GHz)	-			✓
Mini-Circuits	BW-N20W20+	20dB RF Fixed Attenuator (DC - 18 GHz)	-			✓
Mini-Circuits	BW-N20W20+	20dB RF Fixed Attenuator (DC - 18 GHz)	-			✓
Mini-Circuits	BW-53W2+	5dB RF Fixed Attenuator (DC - 18 GHz)	-			✓
Mini-Circuits	BW-53W2+	5dB RF Fixed Attenuator (DC - 18 GHz)	-			✓
Mini-Circuits	CBL-4T-SMA6+	Precision Test Cable SMA/N (DC - 18 GHz)	3318			✓
Mini-Circuits	CBL-4T-SMA6+	Precision Test Cable SMA/N (DC - 18 GHz)	3335			✓
Mini-Circuits	CBL-4T-SMA6+	Precision Test Cable SMA/N (DC - 18 GHz)	3329			✓
Mini-Circuits	HF-SF50+	RF Adapter N Male to SMA Female (DC - 18 GHz)	-			✓
Mini-Circuits	VCF-8000+	Coaxial Low Pass Filter (DC - 8.4 GHz)	-			✓
Mini-Circuits	VCF-6000+	Coaxial Low Pass Filter (DC - 6 GHz)	-			✓
Mini-Circuits	VCF-3000+	Coaxial Low Pass Filter (DC - 3 GHz)	-			✓
Mini-Circuits	VCF-1000+	Coaxial Low Pass Filter (DC - 1 GHz)	-			✓
Mitsutoyo	CD-4"AX	Digital Caliper	823943217	8/26/2025	8/26/2027	
Narda	24785-20	20 dB SMA Fixed Attenuator (DC - 4.0 GHz)	-			✓
Narda	4226-20 (26733)	20 dB SMA Directional Coupler (0.5 - 18 GHz)	0201			✓
Rohde & Schwarz	SMV1008	R&S SMV1008 Vector Signal Generator (VSG)	103882	12/21/2023	12/19/2025	
Rohde & Schwarz	CMW500	CMW500 Radio Communication Test Station	1201.0002950-167186-ef	1/12/2024	1/12/2026	
SPEAG	10 GHz System Verification Source	10 GHz System Verification Source	1074	9/15/2025	9/15/2026	
SPEAG	CLA13	13 MHz System Validation Source	1041	10/12/24	10/12/26	
SPEAG	D1640V2	1640 MHz System Validation Dipole	356	9/13/24	9/13/26	
SPEAG	D1750V2	1750 MHz System Validation Dipole	1205	10/11/2023	10/11/26	
SPEAG	D1900V2	1900 MHz System Validation Dipole	56252	10/6/2023	10/6/26	
SPEAG	D2300V2	2300 MHz System Validation Dipole	1139	10/9/2023	10/9/26	
SPEAG	D2450V2	2450 MHz System Validation Dipole	1112	11/25/2024	11/25/26	
SPEAG	D2600V2	2600 MHz System Validation Dipole	1235	11/15/2024	11/15/26	
SPEAG	D3100V2	3100 MHz System Validation Dipole	1154	10/2/2023	10/2/26	
SPEAG	D3700V2	3700 MHz System Validation Dipole	1130	10/12/2023	10/12/26	
SPEAG	D3900V2	3900 MHz System Validation Dipole	1301	10/2/2023	10/2/26	
SPEAG	D5GHzV2	5GHz System Validation Dipole	1396	11/15/2024	11/15/2026	
SPEAG	D6.5GHzV2	6.5GHz System Validation Dipole	1304	11/14/2024	11/14/2026	
SPEAG	D750V3	750 MHz System Validation Dipole	1235	10/11/2023	10/11/2026	
SPEAG	D835V2	835 MHz System Validation Dipole	46012	10/9/2023	10/9/2026	
SPEAG	DNA4p	Data Acquisition Electronics with Integ. Power	1843	7/30/2025	7/30/2026	
SPEAG	DNA4p	Data Acquisition Electronics with Integ. Power	1844	11/6/2025	11/6/2026	
SPEAG	DNA4p	Data Acquisition Electronics with Integ. Power	1805	4/25/2025	4/25/2026	
SPEAG	DNA4p	Data Acquisition Electronics with Integ. Power	1838	12/4/2024	12/4/2025	
SPEAG	DNA4p	Data Acquisition Electronics with Integ. Power	1862	1/26/25	1/16/2026	
SPEAG	DNA4p	Data Acquisition Electronics with Integ. Power	1839	9/15/25	9/15/2026	
SPEAG	DNA-13	DNA-13 Dielectric Probe	1104	10/10/2025	10/10/2026	
SPEAG	DNA-3.5	DNA-3.5 Dielectric Probe	1349	8/5/2025	8/5/2026	
SPEAG	EX30V4	SAR Measurement Probe	7872	8/8/2025	8/8/2026	
SPEAG	EX30V4	SAR Measurement Probe	7857	12/18/2024	12/18/2025	
SPEAG	EX30V4	SAR Measurement Probe	7859	5/5/2025	5/5/2026	
SPEAG	EX30V4	SAR Measurement Probe	7836	9/15/2025	9/15/2026	
SPEAG	EX30V4	SAR Measurement Probe	7853	11/7/24	11/7/2025	
SPEAG	EX30V4	SAR Measurement Probe	7853	11/7/25	11/7/2026	
SPEAG	ELumiWV4	emWave Measurement Probe	9600	9/17/2025	9/17/2026	
SPEAG	PowerSource1	Signal Generator	4341	1/9/2025	1/9/2026	
Anritsu	MT820C	Radio Communication Test Station	6201342024			
Anritsu	MT820C	Radio Communication Test Station	6201179629			
Anritsu	MT820C	Radio Communication Test Station	6201342025			
SPEAG	SE UMS 171 E	MMA Modulation and Interference Analyzer	1814			
SPEAG	SE UMS 171 E	MMA Modulation and Interference Analyzer	1817			
SPEAG	SE UMS 171 EA	MMA Modulation and Interference Analyzer	1820			
SPEAG	SE UMS 171 EA	MMA Modulation and Interference Analyzer	1815			
SPEAG	SE UMS 176 C	ANT Wideband Communication Antenna	1579			
SPEAG	SE UMS 176 C	ANT Wideband Communication Antenna	1601			
SPEAG	SE UMS 176 C	ANT Wideband Communication Antenna	1610			
SPEAG	SE UMS 176 C	ANT Wideband Communication Antenna	1590			

✓ Note: Components calibrated before testing. Prior to testing, the measurement paths containing a cable, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator, power sensor, or VNA) 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.



**RF SAFETY
LAB**

A NEXT GENERATION
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12. Conclusion

The SAR evaluation indicates that the DUT is capable of compliance with the RF radiation exposure limits of the FCC, 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.