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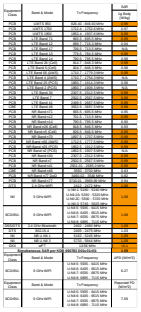
SAR EVALUATION REPORT

Applicant Name:
Apple Inc.
One Apple Park Way
Cupertino, CA 95014 USA

Date of Testing:
10/31/2024 – 12/09/2024
Test Report Issue Date:
1/28/2025
Test Site/Location:
Element, Morgan Hill, CA, USA
Document Serial No.:
1C2410210075-02.BCG-R2

FCC ID:	**BCGA3269**
APPLICANT:	**APPLE, INC.**

DUT Type:	Tablet Device
Application Type:	Certification
FCC Rule Part(s):	CFR §2.1093
Models:	A3269, A3271



Note: This revised Test Report supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement procedures specified in Section 1.8 of this report; for North American frequency bands only.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them. Test results reported herein relate only to the item(s) tested.

RJ Ortanez
Executive Vice President

The SAR Tick is an initiative of the Mobile & Wireless Forum (MWF). While a product may be considered eligible, use of the SAR Tick logo requires an agreement with the MWF. Further details can be obtained by emailing: sartick@mwfai.info.

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1 DEVICE UNDER TEST

1.1 Device Overview

Band & Mode	Operating Modes	Tx Frequency
UMTS 850	Data	826.4 - 846.6 MHz
UMTS 1750	Data	1712.4 - 1752.6 MHz
UMTS 1900	Data	1852.4 - 1907.6 MHz
LTE Band 71	Data	665.5 - 695.5 MHz
LTE Band 12	Data	699.7 - 715.3 MHz
LTE Band 17	Data	706.5 - 713.5 MHz
LTE Band 13	Data	779.5 - 784.5 MHz
LTE Band 14	Data	790.5 - 795.5 MHz
LTE Band 26 (Cell)	Data	814.7 - 848.3 MHz
LTE Band 5 (Cell)	Data	824.7 - 848.3 MHz
LTE Band 66 (AWS)	Data	1710.7 - 1779.3 MHz
LTE Band 4 (AWS)	Data	1710.7 - 1754.3 MHz
LTE Band 25 (PCS)	Data	1850.7 - 1914.3 MHz
LTE Band 2 (PCS)	Data	1850.7 - 1909.3 MHz
LTE Band 30	Data	2307.5 - 2312.5 MHz
LTE Band 7	Data	2502.5 - 2567.5 MHz
LTE Band 41	Data	2498.5 - 2687.5 MHz
LTE Band 48	Data	3552.5 - 3697.5 MHz
NR Band n71	Data	665.5 - 695.5 MHz
NR Band n12	Data	701.5 - 713.5 MHz
NR Band n14	Data	790.5 - 795.5 MHz
NR Band n26 (Cell)	Data	816.5 - 846.5 MHz
NR Band n5 (Cell)	Data	826.5 - 846.5 MHz
NR Band n70	Data	1697.5 - 1707.5 MHz
NR Band n66 (AWS)	Data	1712.5 - 1777.5 MHz
NR Band n25 (PCS)	Data	1852.5 - 1912.5 MHz
NR Band n2 (PCS)	Data	1852.5 - 1907.5 MHz
NR Band n30	Data	2307.5 - 2312.5 MHz
NR Band n7	Data	2502.5 - 2567.5 MHz
NR Band n41	Data	2501.01 - 2685.0 MHz
NR Band n48	Data	3555.0 - 3694.98 MHz
NR Band n77 DoD	Data	3455.01 - 3544.98 MHz
NR Band n77 C	Data	3705.0 - 3975.0 MHz
2.4 GHz WLAN	Voice/Data	2412 - 2472 MHz
5 GHz WIFI	Voice/Data	U-NII-1: 5180 - 5240 MHz U-NII-2A: 5260 - 5320 MHz U-NII-2C: 5500 - 5720 MHz U-NII-3: 5745 - 5825 MHz
6 GHz WIFI	Voice/Data	U-NII-5: 5935 - 6415 MHz U-NII-6: 6435 - 6515 MHz U-NII-7: 6535 - 6875 MHz U-NII-8: 6895 - 7115 MHz
Bluetooth	Data	2402 - 2480 MHz
802.15.4	Data	2405 - 2475 MHz
NB UNII-1	Data	5162 - 5245 MHz
NB UNII-3	Data	5733 - 5844 MHz
WPT	N/A	13.56 MHz

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1.2 Time-Averaging Algorithm for RF Exposure Compliance

This device is enabled with the Qualcomm® Smart Transmit Gen2 feature. This feature performs 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. Refer to Compliance Summary document for detailed description of Qualcomm® Smart Transmit feature (report SN could be found in Section 1.10 – Bibliography).

Note that WLAN operations are not enabled with Smart Transmit.

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 (see RF Exposure Part 0 Test Report, report SN could be found in Section 1.10 - Bibliography).

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

1g SAR (W/kg)			
Mode/Band/Antenna	**Smart Tx Uncertainty**	**SAR design target**	**SAR_regulatory_limit**
LTE Band 71 Ant 2	0.8 dB	0.84 W/kg	1.6 W/kg
NR Band n71 Ant 2	0.8 dB	0.84 W/kg	
LTE Band 2 Ant 2	0.7 dB	0.86 W/kg	
LTE Band 25 Ant 2	0.7 dB	0.86 W/kg	
NR Band n2 Ant 2	0.7 dB	0.86 W/kg	
NR Band n25 Ant 2	0.7 dB	0.86 W/kg	
LTE Band 71 Ant 4	0.7 dB	0.86 W/kg	
LTE Band 12 Ant 4	0.7 dB	0.86 W/kg	
LTE Band 17 Ant 4	0.7 dB	0.86 W/kg	
LTE Band 13 Ant 4	0.7 dB	0.86 W/kg	
LTE Band 14 Ant 4	0.7 dB	0.86 W/kg	
NR Band n71 Ant 4	0.7 dB	0.86 W/kg	
NR Band n12 Ant 4	0.7 dB	0.86 W/kg	
NR Band n14 Ant 4	0.7 dB	0.86 W/kg	
LTE Band 26 Ant 2	0.9 dB	0.82 W/kg	
LTE Band 26 Ant 4	0.9 dB	0.82 W/kg	
NR Band n26 Ant 2	0.9 dB	0.82 W/kg	
NR Band n26 Ant 4	0.9 dB	0.82 W/kg	
All other modes/bands/antennas	1.0 dB	0.80 W/kg	

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*Maximum tune up output power Pmax is used to configure EUT during RF tune up procedure. The maximum allowed output power is equal to maximum Tune up output power +0.7/-1.0 dB conducted power tolerance and for UHB +/- 1.0 dB for conducted powers tolerance.

Exposure Scenario:	Ant 1a	Ant 1a Maximum Tune-up Output Power*	Ant 1b	Ant 1b Maximum Tune-up Output Power*	Ant 2	Ant 2 Maximum Tune-up Output Power*	Ant 3a	Ant 3a Maximum Tune-up Output Power*	Ant 3b	Ant 3b Maximum Tune-up Output Power*	Ant 4	Ant 4 Maximum Tune-up Output Power*
Averaging Volume:	1g		1g		1g		1g		1g		1g	
Spacing:	0 mm		0 mm		0 mm		0 mm		0 mm		0 mm	
DSI:	1		1		1		1		1		1	
Technology/Band	**Plimit corresponding to SAR design target**	Pmax	**Plimit corresponding to SAR design target**	Pmax	**Plimit corresponding to SAR design target**	Pmax	**Plimit corresponding to SAR design target**	Pmax	**Plimit corresponding to SAR design target**	Pmax	**Plimit corresponding to SAR design target**	Pmax
UMTS 850	N/A	N/A	N/A	N/A	18.90	24.00	N/A	N/A	N/A	N/A	19.00	25.00
UMTS 1750	N/A	N/A	11.50	22.00	14.50	23.00	N/A	N/A	11.90	24.00	14.30	25.00
UMTS 1900	N/A	N/A	11.30	22.00	14.60	23.00	N/A	N/A	11.90	24.00	13.40	25.00
LTE Band 71	N/A	N/A	N/A	N/A	20.50	24.00	N/A	N/A	N/A	N/A	20.30	25.00
LTE Band 12	N/A	N/A	N/A	N/A	18.90	24.00	N/A	N/A	N/A	N/A	18.80	25.00
LTE Band 17	N/A	N/A	N/A	N/A	18.90	24.00	N/A	N/A	N/A	N/A	18.80	25.00
LTE Band 13	N/A	N/A	N/A	N/A	19.40	24.00	N/A	N/A	N/A	N/A	20.60	25.00
LTE Band 14	N/A	N/A	N/A	N/A	19.40	24.00	N/A	N/A	N/A	N/A	21.10	25.00
LTE Band 26	N/A	N/A	N/A	N/A	18.80	24.00	N/A	N/A	N/A	N/A	19.10	25.00
LTE Band 5	N/A	N/A	N/A	N/A	18.90	24.00	N/A	N/A	N/A	N/A	19.00	25.00
LTE Band 5 ULCA	N/A	N/A	N/A	N/A	18.90	24.00	N/A	N/A	N/A	N/A	19.00	25.00
LTE Band 4	N/A	N/A	12.20	25.00	14.30	24.50	N/A	N/A	11.90	24.50	14.30	25.00
LTE Band 66	N/A	N/A	12.20	25.00	14.30	24.80	N/A	N/A	11.90	24.80	14.30	25.00
LTE Band 2	N/A	N/A	11.30	22.00	14.90	23.00	N/A	N/A	11.90	24.00	13.40	25.00
LTE Band 25	N/A	N/A	11.30	22.00	14.90	23.00	N/A	N/A	11.90	24.00	13.40	25.00
LTE Band 30	N/A	N/A	11.50	21.50	12.30	20.80	N/A	N/A	11.90	22.10	13.40	25.00
LTE Band 7	N/A	N/A	12.20	21.50	11.80	22.00	N/A	N/A	11.70	24.00	10.50	25.00
LTE Band 7 ULCA	N/A	N/A	12.20	21.50	11.80	22.00	N/A	N/A	11.70	24.00	10.50	25.00
LTE Band 41 (PC3)	N/A	N/A	11.3	23.0	12.1	23.0	N/A	N/A	11.9	23.0	10.2	23.0
LTE Band 41 (PC3) ULCA	N/A	N/A	11.3	23.0	12.1	23.0	N/A	N/A	11.9	23.0	10.2	23.0
LTE Band 41 (PC2)	N/A	N/A	11.3	24.4	12.1	23.9	N/A	N/A	11.9	22.4	10.2	23.4
LTE Band 41 (PC2) ULCA	N/A	N/A	11.3	24.4	12.1	23.9	N/A	N/A	11.9	22.4	10.2	23.4
LTE Band 48	9.5	20.2	N/A	N/A	9.3	16.5	9.0	17.6	N/A	N/A	10.3	18.1
LTE Band 48 ULCA	9.5	20.2	N/A	N/A	9.3	16.5	9.0	17.6	N/A	N/A	10.3	18.1
NR Band n71	N/A	N/A	N/A	N/A	20.50	24.00	N/A	N/A	N/A	N/A	20.30	25.00
NR Band n12	N/A	N/A	N/A	N/A	18.90	24.00	N/A	N/A	N/A	N/A	18.80	25.00
NR Band n14	N/A	N/A	N/A	N/A	19.40	24.00	N/A	N/A	N/A	N/A	20.60	25.00
NR Band n26	N/A	N/A	N/A	N/A	18.80	24.00	N/A	N/A	N/A	N/A	19.10	25.00
NR Band n5	N/A	N/A	N/A	N/A	18.90	24.00	N/A	N/A	N/A	N/A	19.00	25.00
NR Band n70	N/A	N/A	11.50	25.00	14.50	24.50	N/A	N/A	11.90	24.50	14.30	25.00
NR Band n66	N/A	N/A	11.70	25.00	14.30	24.80	N/A	N/A	11.90	24.80	14.30	25.00
NR Band n2	N/A	N/A	11.30	22.00	14.90	23.00	N/A	N/A	11.90	24.00	13.40	25.00
NR Band n25	N/A	N/A	11.30	22.00	14.90	23.00	N/A	N/A	11.90	24.00	13.40	25.00
NR Band n30	N/A	N/A	11.50	21.50	12.30	20.80	N/A	N/A	11.90	22.10	13.40	25.00
NR Band n7	N/A	N/A	12.20	21.50	11.80	22.00	N/A	N/A	11.70	24.00	10.50	25.00
NR Band n41 (PC3)	N/A	N/A	11.70	25.00	11.80	25.00	N/A	N/A	11.40	25.00	9.90	25.00
NR Band n41 (PC2)	N/A	N/A	11.70	28.00	11.80	27.50	N/A	N/A	11.40	26.00	9.90	27.00
NR Band n77 (PC3)	8.9	22.3	N/A	N/A	9.0	22.3	8.0	24.7	N/A	N/A	9.8	24.7
NR Band n77 (PC2)	8.9	22.5	N/A	N/A	9.0	22.5	8.0	26.5	N/A	N/A	9.8	26.0
NR Band n48	9.50	22.20	N/A	N/A	9.30	18.50	9.00	19.60	N/A	N/A	10.30	20.10

*Note all P_{limit} EFS and maximum tune up output power P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (for e.g., LTE TDD).

The maximum time-averaged output power (dBm) for any Sub6 WWAN technology, band, and DSI = minimum of "P_{limit} EFS" and "Maximum tune up output power P_{max}" + smart tx uncertainty. SAR values in this report were scaled to this maximum time-averaged output power to determine compliance per KDB Publication 447498 D04v01.

The purpose of this report (Part 1 test) is to demonstrate that the EUT meets FCC SAR limits when transmitting in static transmission scenario at maximum allowable time-averaged power levels.

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1.3 Power Reduction for SAR

This device additionally utilizes a power reduction mechanism for Bluetooth/802.15.4/NB UNII and WLAN operations. When Bluetooth/802.15.4/NB UNII/WLAN is operating simultaneously with certain combinations of 3G/4G/5G and 5/6 GHz WLAN antennas, the output power is permanently reduced. SAR evaluations were additionally performed at the maximum allowed output power for these scenarios to evaluate simultaneous transmission compliance.

Additionally, this device uses an independent mechanism that limits WIFI powers to a time-averaged output power. For the purposes of this test report, all SAR measurements were performed with the algorithm disabled at the maximum time-averaged output power level. Verification data for this time-averaged SAR mechanism can be found in the WLAN Time-Averaged SAR Verification Appendix.

1.4 Nominal and Maximum Output Power Specifications

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

1.4.1 WWAN Output Power

Table 1-1
UMTS B5 (850 MHz)

Mode/Band			Modulated Average Output Power (in dBm)	
			Ant 2	Ant 4
UMTS Band 5 (850 MHz)	Max allowed power	3GPP WCDMA Rel 99	**19.90**	**20.00**
	Nominal		**18.90**	**19.00**
	Max allowed power	3GPP HSDPA Rel 5	**19.90**	**20.00**
	Nominal		**18.90**	**19.00**
	Max allowed power	3GPP HSUPA Rel 6	**19.90**	**20.00**
	Nominal		**18.90**	**19.00**
	Max allowed power	3GPP DC-HSDPA Rel 8	**19.90**	**20.00**
	Nominal		**18.90**	**19.00**

Table 1-2
UMTS B4 (1750 MHz)

Mode/Band			Modulated Average Output Power (in dBm)			
			Ant 1b	Ant 2	Ant 3b	Ant 4
UMTS Band 4 (1750 MHz)	Max allowed power	3GPP WCDMA Rel 99	**12.50**	**15.50**	**12.90**	**15.30**
	Nominal		**11.50**	**14.50**	**11.90**	**14.30**
	Max allowed power	3GPP HSDPA Rel 5	**12.50**	**15.50**	**12.90**	**15.30**
	Nominal		**11.50**	**14.50**	**11.90**	**14.30**
	Max allowed power	3GPP HSUPA Rel 6	**12.50**	**15.50**	**12.90**	**15.30**
	Nominal		**11.50**	**14.50**	**11.90**	**14.30**
	Max allowed power	3GPP DC-HSDPA Rel 8	**12.50**	**15.50**	**12.90**	**15.30**
	Nominal		**11.50**	**14.50**	**11.90**	**14.30**

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Table 1-3
UMTS B2 (1900 MHz)

Mode/Band			Modulated Average Output Power (in dBm)			
			Ant 1b	Ant 2	Ant 3b	Ant 4
UMTS Band 2 (1900 MHz)	Max allowed power	3GPP WCDMA Rel 99	**12.30**	**15.60**	**12.90**	**14.40**
	Nominal		**11.30**	**14.60**	**11.90**	**13.40**
	Max allowed power	3GPP HSDPA Rel 5	**12.30**	**15.60**	**12.90**	**14.40**
	Nominal		**11.30**	**14.60**	**11.90**	**13.40**
	Max allowed power	3GPP HSUPA Rel 6	**12.30**	**15.60**	**12.90**	**14.40**
	Nominal		**11.30**	**14.60**	**11.90**	**13.40**
	Max allowed power	3GPP DC-HSDPA Rel 8	**12.30**	**15.60**	**12.90**	**14.40**
	Nominal		**11.30**	**14.60**	**11.90**	**13.40**

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Table 1-4
LTE Bands

Mode / Band		Modulated Average Output Power (in dBm)					
		Ant 1a	Ant 1b	Ant 2	Ant 3a	Ant 3b	Ant 4
LTE FDD Band 71	Max allowed power			21.30			21.00
	Nominal			20.50			20.30
LTE FDD Band 12	Max allowed power			19.90			19.50
	Nominal			18.90			18.80
LTE FDD Band 17	Max allowed power			19.90			19.50
	Nominal			18.90			18.80
LTE FDD Band 13	Max allowed power			20.40			21.30
	Nominal			19.40			20.60
LTE FDD Band 14	Max allowed power			20.40			21.80
	Nominal			19.40			21.10
LTE FDD Band 26	Max allowed power			19.70			20.00
	Nominal			18.80			19.10
LTE FDD Band 5	Max allowed power			19.90			20.00
	Nominal			18.90			19.00
LTE FDD Band 5 Intra-band ULCA	Max allowed power			19.90			20.00
	Nominal			18.90			19.00
LTE FDD Band 4	Max allowed power		13.20	15.30		12.90	15.30
	Nominal		12.20	14.30		11.90	14.30
LTE FDD Band 66	Max allowed power		13.20	15.30		12.90	15.30
	Nominal		12.20	14.30		11.90	14.30
LTE FDD Band 2	Max allowed power		12.30	15.60		12.90	14.40
	Nominal		11.30	14.90		11.90	13.40
LTE FDD Band 25	Max allowed power		12.30	15.60		12.90	14.40
	Nominal		11.30	14.90		11.90	13.40
LTE FDD Band 30	Max allowed power		12.50	13.30		12.90	14.40
	Nominal		11.50	12.30		11.90	13.40
LTE FDD Band 7	Max allowed power		13.20	12.80		12.70	11.50
	Nominal		12.20	11.80		11.70	10.50
LTE FDD Band 7 Intra-band ULCA	Max allowed power		13.20	12.80		12.70	11.50
	Nominal		12.20	11.80		11.70	10.50
LTE TDD Band 41 (PC3)	Max allowed power		14.30	15.10		14.90	13.20
	Nominal		13.30	14.10		13.90	12.20
LTE TDD Band 41 (PC3) Intra-band ULCA	Max allowed power		14.30	15.10		14.90	13.20
	Nominal		13.30	14.10		13.90	12.20
LTE TDD Band 41 (PC2)	Max allowed power		15.90	16.70		16.50	14.80
	Nominal		14.90	15.70		15.50	13.80
LTE TDD Band 41 (PC2) Intra-band ULCA	Max allowed power		15.90	16.70		16.50	14.80
	Nominal		14.90	15.70		15.50	13.80
LTE TDD Band 48	Max allowed power	12.50		12.30	12.00		13.30
	Nominal	11.50		11.30	11.00		12.30
LTE TDD Band 48 Intra-band ULCA	Max allowed power	12.50		12.30	12.00		13.30
	Nominal	11.50		11.30	11.00		12.30

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Table 1-5
NR Bands

Mode / Band		Modulated Average Output Power (in dBm)					
		Ant 1a	Ant 1b	Ant 2	Ant 3a	Ant 3b	Ant 4
NR FDD Band n71	Max allowed power			21.30			21.00
	Nominal			20.50			20.30
NR FDD Band n12	Max allowed power			19.90			19.50
	Nominal			18.90			18.80
NR FDD Band n14	Max allowed power			20.40			21.30
	Nominal			19.40			20.60
NR FDD Band n26	Max allowed power			19.70			20.00
	Nominal			18.80			19.10
NR FDD Band n5	Max allowed power			19.90			20.00
	Nominal			18.90			19.00
NR FDD Band n70	Max allowed power		12.50	15.50		12.90	15.30
	Nominal		11.50	14.50		11.90	14.30
NR FDD Band n66	Max allowed power		12.70	15.30		12.90	15.30
	Nominal		11.70	14.30		11.90	14.30
NR FDD Band n2	Max allowed power		12.30	15.60		12.90	14.40
	Nominal		11.30	14.90		11.90	13.40
NR FDD Band n25	Max allowed power		12.30	15.60		12.90	14.40
	Nominal		11.30	14.90		11.90	13.40
NR FDD Band n30	Max allowed power		12.50	13.30		12.90	14.40
	Nominal		11.50	12.30		11.90	13.40
NR FDD Band n7	Max allowed power		13.20	12.80		12.70	11.50
	Nominal		12.20	11.80		11.70	10.50
NR TDD Band n41 (PC3)	Max allowed power		12.70	12.80		12.40	10.90
	Nominal		11.70	11.80		11.40	9.90
NR TDD Band n41 (PC2)	Max allowed power		12.70	12.80		12.40	10.90
	Nominal		11.70	11.80		11.40	9.90
NR TDD Band n77 (PC3)	Max allowed power	9.90		10.00	9.00		10.80
	Nominal	8.90		9.00	8.00		9.80
NR TDD Band n77 (PC2)	Max allowed power	9.90		10.00	9.00		10.80
	Nominal	8.90		9.00	8.00		9.80
NR TDD Band n48	Max allowed power	10.50		10.30	10.00		11.30
	Nominal	9.50		9.30	9.00		10.30

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1.4.2 Maximum WLAN Time-Averaged Output Power

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

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1a											
		SISO	SISO	SISO	SISO	SISO	SISO	SISO	SISO	MIMO	MIMO	MIMO	MIMO
		b	b (Nominal)	g (Maximum)	g (Nominal)	n (Maximum)	n (Nominal)	ax SU (Maximum)	ax SU (Nominal)	g/n (Maximum)	g/n (Nominal)	ax SU (Maximum)	ax SU (Nominal)
2.4 GHz WIFI 20 MHz Bandwidth	1	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	2	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	3	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	4	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	5	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	6	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	7	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	8	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	9	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	10	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	11	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	12	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	13	11.25	9.75	10.00	8.50	10.00	8.50	NS	NS	9.50	8.00	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3a											
		SISO	SISO	SISO	SISO	SISO	SISO	SISO	SISO	MIMO	MIMO	MIMO	MIMO
		b	b (Nominal)	g (Maximum)	g (Nominal)	n (Maximum)	n (Nominal)	ax SU (Maximum)	ax SU (Nominal)	g/n (Maximum)	g/n (Nominal)	ax SU (Maximum)	ax SU (Nominal)
2.4 GHz WIFI 20 MHz Bandwidth	1	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	2	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	3	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	4	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	5	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	6	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	7	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	8	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	9	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	10	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	11	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	12	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	13	11.00	9.50	10.00	8.50	10.00	8.50	NS	NS	9.50	8.00	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b													
		SISO	SISO	SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	a/n/ac (Maximum)	a/n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)
5 GHz WIFI 20 MHz Bandwidth	36	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	40	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	44	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	48	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	52	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	56	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	60	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	64	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	100	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	104	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	108	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	112	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	116	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	120	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	124	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	128	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	132	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	136	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	140	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	144	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	149	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	153	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	157	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	161	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	165	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
5 GHz WIFI 40 MHz Bandwidth	38	[redacted]		11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	46			11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	54			11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	62			11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	102			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	110			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	118			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	126			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	134			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	142			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	151			9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	159			9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
5 GHz WIFI 80 MHz Bandwidth	42			11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	58			11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	106			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	122			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	138			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	155			9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
5 GHz WIFI 160 MHz Bandwidth	50			11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	114			10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b													
		SISO	SISO	SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	a/n/ac (Maximum)	a/n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)
5 GHz WIFI 20 MHz Bandwidth	36	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	40	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	44	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	48	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	52	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	56	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	60	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	64	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	100	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	104	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	108	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	112	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	116	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	120	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	124	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	128	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	132	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	136	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	140	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	144	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	149	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	153	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	157	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	161	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	165	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
5 GHz WIFI 40 MHz Bandwidth	38	[redacted]		11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	46	[redacted]		11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	54	[redacted]		11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	62	[redacted]		11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	102	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	110	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	118	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	126	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	134	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	142	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	151	[redacted]		10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
	159	[redacted]		10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
5 GHz WIFI 80 MHz Bandwidth	42	[redacted]		11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	58	[redacted]		11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	106	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	122	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	138	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	155	[redacted]		10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
5 GHz WIFI 160 MHz Bandwidth	50	[redacted]		11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50	11.00	9.50
	114	[redacted]		9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T													
		SISO	SISO	SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	a/n/ac (Maximum)	a/n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)
5 GHz WIFI 20 MHz Bandwidth	36	17.50	16.00	17.50	16.00	17.50	16.00	17.00	15.50	17.50	16.00	17.00	15.50	17.50	16.00
	40	17.50	16.00	17.50	16.00	17.50	16.00	17.00	15.50	17.50	16.00	17.00	15.50	17.50	16.00
	44	17.50	16.00	17.50	16.00	17.50	16.00	17.00	15.50	17.50	16.00	17.00	15.50	17.50	16.00
	48	17.50	16.00	17.50	16.00	17.50	16.00	17.00	15.50	17.50	16.00	17.00	15.50	17.50	16.00
	52	17.50	16.00	17.50	16.00	17.50	16.00	17.00	15.50	17.50	16.00	17.00	15.50	17.50	16.00
	56	17.50	16.00	17.50	16.00	17.50	16.00	17.00	15.50	17.50	16.00	17.00	15.50	17.50	16.00
	60	17.50	16.00	17.50	16.00	17.50	16.00	17.00	15.50	17.50	16.00	17.00	15.50	17.50	16.00
	64	17.50	16.00	17.50	16.00	17.50	16.00	17.00	15.50	17.50	16.00	17.00	15.50	17.50	16.00
	100	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	104	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	108	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	112	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	116	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	120	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	124	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	128	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	132	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	136	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	140	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	144	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	149	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75
	153	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75
	157	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75
	161	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75
	165	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75
5 GHz WIFI 40 MHz Bandwidth	38	[redacted]		16.50	15.00	15.50	14.00	16.50	15.00	15.00	13.50	16.50	15.00	15.00	13.50
	46	[redacted]		17.50	16.00	17.50	16.00	17.50	16.00	17.50	16.00	17.50	16.00	17.50	16.00
	54	[redacted]		17.50	16.00	17.50	16.00	17.50	16.00	17.50	16.00	17.50	16.00	17.50	16.00
	62	[redacted]		17.00	15.50	16.75	15.25	16.50	15.00	15.50	14.00	16.50	15.00	15.50	14.00
	102	[redacted]		15.50	14.00	15.50	14.00	15.50	14.00	15.00	13.50	15.50	14.00	15.00	13.50
	110	[redacted]		15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	118	[redacted]		15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	126	[redacted]		15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	134	[redacted]		15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	142	[redacted]		15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	151	[redacted]		15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75
	159	[redacted]		15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75
5 GHz WIFI 80 MHz Bandwidth	42	[redacted]		15.25	13.75	15.00	13.50	14.75	13.25	14.50	13.00	14.75	13.25	14.50	13.00
	58	[redacted]		17.00	15.50	17.00	15.50	16.00	14.50	15.00	13.50	16.00	14.50	15.00	13.50
	106	[redacted]		15.50	14.00	14.50	13.00	15.25	13.75	14.00	12.50	15.25	13.75	14.00	12.50
	122	[redacted]		15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	138	[redacted]		15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00	15.50	14.00
	155	[redacted]		15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75	15.25	13.75
5 GHz WIFI 160 MHz Bandwidth	50	[redacted]		14.00	12.50	14.00	12.50	14.00	12.50	14.00	12.50	14.00	12.50	14.00	12.50
	114	[redacted]		13.50	12.00	13.50	12.00	13.25	11.75	13.25	11.75	13.25	11.75	13.25	11.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	5	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	9-29	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	33-61	10.00	8.50	10.00	8.50	10.00	8.50	10.00	8.50
	65-85	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
6 GHz WIFI	89	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
(20MHz BW)	93	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
SP	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
	3	[redacted]		10.00	8.50	10.00	8.50	10.00	8.50
	11			10.00	8.50	10.00	8.50	10.00	8.50
	19-27			10.00	8.50	10.00	8.50	10.00	8.50
	35-59			10.00	8.50	10.00	8.50	10.00	8.50
	67-75			10.75	9.25	10.75	9.25	10.75	9.25
	83			10.75	9.25	10.75	9.25	10.75	9.25
6 GHz WIFI	91			10.75	9.25	10.75	9.25	10.75	9.25
(40MHz BW)	99-107			NS	NS	NS	NS	NS	NS
SP	115			NS	NS	NS	NS	NS	NS
	123-179			11.25	9.75	11.25	9.75	11.25	9.75
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			10.00	8.50	10.00	8.50	10.00	8.50
	23			10.00	8.50	10.00	8.50	10.00	8.50
	39-55			10.00	8.50	10.00	8.50	10.00	8.50
	71			10.75	9.25	10.75	9.25	10.75	9.25
	87			10.75	9.25	10.75	9.25	10.75	9.25
6 GHz WIFI	103			NS	NS	NS	NS	NS	NS
(80MHz BW)	119			NS	NS	NS	NS	NS	NS
SP	135-167			11.25	9.75	11.25	9.75	11.25	9.75
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			10.00	8.50	10.00	8.50	10.00	8.50
	47			10.00	8.50	10.00	8.50	10.00	8.50
6 GHz WIFI	79			10.75	9.25	10.75	9.25	10.75	9.25
(160MHz BW)	111			NS	NS	NS	NS	NS	NS
SP	143			11.25	9.75	11.25	9.75	11.25	9.75
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	3.00	1.50	3.50	2.00	-1.00	-2.50	2.00	0.50
	5	3.00	1.50	3.50	2.00	-1.00	-2.50	2.00	0.50
	9-29	3.00	1.50	3.50	2.00	-1.00	-2.50	2.00	0.50
	33-61	3.50	2.00	4.00	2.50	-0.25	-1.75	2.50	1.00
	65-85	3.25	1.75	3.75	2.25	-0.50	-2.00	2.25	0.75
6 GHz WIFI	89	3.25	1.75	3.75	2.25	-0.50	-2.00	2.25	0.75
(20MHz BW)	93	3.25	1.75	3.75	2.25	-0.50	-2.00	2.25	0.75
LP	97-113	2.75	1.25	3.25	1.75	-0.75	-2.25	2.00	0.50
	117-181	2.25	0.75	2.75	1.25	-1.25	-2.75	1.50	0.00
	185	1.75	0.25	2.25	0.75	-1.50	-3.00	1.25	-0.25
	189-225	1.75	0.25	2.25	0.75	-1.50	-3.00	1.25	-0.25
	229	1.75	0.25	2.25	0.75	-1.50	-3.00	1.25	-0.25
	233	1.75	0.25	2.25	0.75	-1.50	-3.00	1.25	-0.25
	3	[redacted]		6.50	5.00	2.00	0.50	5.00	3.50
	11			6.50	5.00	2.00	0.50	5.00	3.50
	19-27			6.50	5.00	2.00	0.50	5.00	3.50
	35-59			7.00	5.50	2.75	1.25	5.50	4.00
	67-75			6.75	5.25	2.50	1.00	5.25	3.75
	83			6.75	5.25	2.50	1.00	5.25	3.75
6 GHz WIFI	91			6.75	5.25	2.50	1.00	5.25	3.75
(40MHz BW)	99-107			6.25	4.75	2.25	0.75	5.00	3.50
LP	115			5.75	4.25	1.75	0.25	4.50	3.00
	123-179			5.75	4.25	1.75	0.25	4.50	3.00
	187			5.25	3.75	1.50	0.00	4.25	2.75
	195-219			5.25	3.75	1.50	0.00	4.25	2.75
	227			5.25	3.75	1.50	0.00	4.25	2.75
	7			9.00	7.50	4.50	3.00	7.50	6.00
	23			9.00	7.50	4.50	3.00	7.50	6.00
	39-55			9.50	8.00	5.25	3.75	8.00	6.50
	71			9.25	7.75	5.00	3.50	7.75	6.25
	87			9.25	7.75	5.00	3.50	7.75	6.25
6 GHz WIFI	103			8.75	7.25	4.75	3.25	7.50	6.00
(80MHz BW)	119			8.25	6.75	4.25	2.75	7.00	5.50
LP	135-167			8.25	6.75	4.25	2.75	7.00	5.50
	183			7.75	6.25	4.00	2.50	6.75	5.25
	199			7.75	6.25	4.00	2.50	6.75	5.25
	215			7.75	6.25	4.00	2.50	6.75	5.25
	15			10.00	8.50	7.00	5.50	10.00	8.50
	47			10.00	8.50	7.75	6.25	10.00	8.50
6 GHz WIFI	79			10.75	9.25	7.50	6.00	10.25	8.75
(160MHz BW)	111			10.75	9.25	6.75	5.25	9.50	8.00
LP	143			10.75	9.25	6.75	5.25	9.50	8.00
	175			10.25	8.75	6.50	5.00	9.25	7.75
	207			10.25	8.75	6.50	5.00	9.25	7.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	-0.50	-2.00	0.00	-1.50	-4.25	-5.75	-1.50	-3.00
	65-85	-0.75	-2.25	-0.25	-1.75	NS	NS	-1.75	-3.25
6 GHz WIFI	89	-0.75	-2.25	-0.25	-1.75	NS	NS	-1.75	-3.25
(20MHz BW)	93	-0.75	-2.25	-0.25	-1.75	NS	NS	-1.75	-3.25
VLP	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	-1.75	-3.25	-1.25	-2.75	NS	NS	-2.50	-4.00
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
	3	[redacted]		NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			3.00	1.50	-1.25	-2.75	1.50	0.00
	67-75			2.75	1.25	-1.50	-3.00	1.25	-0.25
	83			2.75	1.25	-1.50	-3.00	1.25	-0.25
6 GHz WIFI	91			2.75	1.25	-1.50	-3.00	1.25	-0.25
(40MHz BW)	99-107			NS	NS	NS	NS	NS	NS
VLP	115			NS	NS	NS	NS	NS	NS
	123-179			1.75	0.25	-2.25	-3.75	0.50	-1.00
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			NS	NS	NS	NS	NS	NS
	23			NS	NS	NS	NS	NS	NS
	39-55			5.50	4.00	1.25	-0.25	4.00	2.50
	71			5.25	3.75	1.00	-0.50	3.75	2.25
	87			5.25	3.75	1.00	-0.50	3.75	2.25
6 GHz WIFI	103			NS	NS	NS	NS	NS	NS
(80MHz BW)	119			NS	NS	NS	NS	NS	NS
VLP	135-167			4.25	2.75	0.25	-1.25	3.00	1.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			NS	NS	NS	NS	NS	NS
	47			8.00	6.50	3.75	2.25	6.50	5.00
6 GHz WIFI	79			7.75	6.25	3.50	2.00	6.25	4.75
(160MHz BW)	111			NS	NS	NS	NS	NS	NS
VLP	143			6.75	5.25	2.75	1.25	5.50	4.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	5	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	9-29	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	33-61	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	65-85	14.00	12.50	14.00	12.50	14.00	12.50	14.00	12.50
6 GHz WIFI	89	14.00	12.50	14.00	12.50	14.00	12.50	14.00	12.50
(20MHz BW)	93	14.00	12.50	14.00	12.50	14.00	12.50	14.00	12.50
SP	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
	3	[redacted]		11.50	10.00	11.50	10.00	11.50	10.00
	11			11.50	10.00	11.50	10.00	11.50	10.00
	19-27			11.50	10.00	11.50	10.00	11.50	10.00
	35-59			11.50	10.00	11.50	10.00	11.50	10.00
	67-75			14.00	12.50	14.00	12.50	14.00	12.50
	83			14.00	12.50	14.00	12.50	14.00	12.50
6 GHz WIFI	91			14.00	12.50	14.00	12.50	14.00	12.50
(40MHz BW)	99-107			NS	NS	NS	NS	NS	NS
SP	115			NS	NS	NS	NS	NS	NS
	123-179			13.75	12.25	13.75	12.25	13.75	12.25
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			11.50	10.00	11.50	10.00	11.50	10.00
	23			11.50	10.00	11.50	10.00	11.50	10.00
	39-55			11.50	10.00	11.50	10.00	11.50	10.00
	71			14.00	12.50	14.00	12.50	14.00	12.50
	87			14.00	12.50	14.00	12.50	14.00	12.50
6 GHz WIFI	103			NS	NS	NS	NS	NS	NS
(80MHz BW)	119			NS	NS	NS	NS	NS	NS
SP	135-167			14.25	12.75	14.25	12.75	14.25	12.75
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			11.50	10.00	11.50	10.00	11.50	10.00
	47			11.50	10.00	11.50	10.00	11.50	10.00
6 GHz WIFI	79			14.00	12.50	14.00	12.50	14.00	12.50
(160MHz BW)	111			NS	NS	NS	NS	NS	NS
SP	143			14.75	13.25	14.75	13.25	14.75	13.25
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	5	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	9-29	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	33-61	5.25	3.75	5.75	4.25	1.50	0.00	4.25	2.75
	65-85	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
	89	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
	93	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
	97-113	4.50	3.00	5.00	3.50	1.00	-0.50	3.75	2.25
	117-181	4.00	2.50	4.50	3.00	0.50	-1.00	3.25	1.75
	185	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	189-225	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	229	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	233	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
6 GHz WIFI (40MHz BW) LP	3	[redacted]		8.25	6.75	3.75	2.25	6.75	5.25
	11			8.25	6.75	3.75	2.25	6.75	5.25
	19-27			8.25	6.75	3.75	2.25	6.75	5.25
	35-59			8.75	7.25	4.50	3.00	7.25	5.75
	67-75			8.50	7.00	4.25	2.75	7.00	5.50
	83			8.50	7.00	4.25	2.75	7.00	5.50
	91			8.50	7.00	4.25	2.75	7.00	5.50
	99-107			8.00	6.50	4.00	2.50	6.75	5.25
	115			7.50	6.00	3.50	2.00	6.25	4.75
	123-179			7.50	6.00	3.50	2.00	6.25	4.75
	187			7.00	5.50	3.25	1.75	6.00	4.50
	195-219			7.00	5.50	3.25	1.75	6.00	4.50
	227			7.00	5.50	3.25	1.75	6.00	4.50
6 GHz WIFI (80MHz BW) LP	7			10.75	9.25	6.25	4.75	9.25	7.75
	23			10.75	9.25	6.25	4.75	9.25	7.75
	39-55			11.25	9.75	7.00	5.50	9.75	8.25
	71			11.00	9.50	6.75	5.25	9.50	8.00
	87			11.00	9.50	6.75	5.25	9.50	8.00
	103			10.50	9.00	6.50	5.00	9.25	7.75
	119			10.00	8.50	6.00	4.50	8.75	7.25
	135-167			10.00	8.50	6.00	4.50	8.75	7.25
	183			9.50	8.00	5.75	4.25	8.50	7.00
	199			9.50	8.00	5.75	4.25	8.50	7.00
	215			9.50	8.00	5.75	4.25	8.50	7.00
6 GHz WIFI (160MHz BW) LP	15			11.50	10.00	8.75	7.25	11.50	10.00
	47			11.50	10.00	9.50	8.00	11.50	10.00
	79			13.50	12.00	9.25	7.75	12.00	10.50
	111			12.50	11.00	8.50	7.00	11.25	9.75
	143			12.50	11.00	8.50	7.00	11.25	9.75
	175			12.00	10.50	8.25	6.75	11.00	9.50
	207			12.00	10.50	8.25	6.75	11.00	9.50

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.75	0.25	-2.50	-4.00	0.25	-1.25
	65-85	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
6 GHz WIFI	89	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
(20MHz BW)	93	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
VLP	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	0.00	-1.50	0.50	-1.00	NS	NS	-0.75	-2.25
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
	3	[redacted]		NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.75	3.25	0.50	-1.00	3.25	1.75
	67-75			4.50	3.00	0.25	-1.25	3.00	1.50
	83			4.50	3.00	0.25	-1.25	3.00	1.50
6 GHz WIFI	91			4.50	3.00	0.25	-1.25	3.00	1.50
(40MHz BW)	99-107			NS	NS	NS	NS	NS	NS
VLP	115			NS	NS	NS	NS	NS	NS
	123-179			3.50	2.00	-0.50	-2.00	2.25	0.75
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			NS	NS	NS	NS	NS	NS
	23			NS	NS	NS	NS	NS	NS
	39-55			7.25	5.75	3.00	1.50	5.75	4.25
	71			7.00	5.50	2.75	1.25	5.50	4.00
	87			7.00	5.50	2.75	1.25	5.50	4.00
6 GHz WIFI	103			NS	NS	NS	NS	NS	NS
(80MHz BW)	119			NS	NS	NS	NS	NS	NS
VLP	135-167			6.00	4.50	2.00	0.50	4.75	3.25
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			NS	NS	NS	NS	NS	NS
	47			9.75	8.25	5.50	4.00	8.25	6.75
6 GHz WIFI	79			9.50	8.00	5.25	3.75	8.00	6.50
(160MHz BW)	111			NS	NS	NS	NS	NS	NS
VLP	143			8.50	7.00	4.50	3.00	7.25	5.75
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
	5	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
	9-29	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
	33-61	12.75	11.25	12.75	11.25	12.75	11.25	12.75	11.25
	65-85	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00
6 GHz WIFI	89	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00
(20MHz BW)	93	12.50	11.00	12.50	11.00	12.50	11.00	12.50	11.00
SP	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	12.25	10.75	12.25	10.75	12.25	10.75	12.25	10.75
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
	3	[redacted]		12.75	11.25	12.75	11.25	12.75	11.25
	11			12.75	11.25	12.75	11.25	12.75	11.25
	19-27			12.75	11.25	12.75	11.25	12.75	11.25
	35-59			12.75	11.25	12.75	11.25	12.75	11.25
	67-75			12.50	11.00	12.50	11.00	12.50	11.00
	83			12.50	11.00	12.50	11.00	12.50	11.00
6 GHz WIFI	91			12.50	11.00	12.50	11.00	12.50	11.00
(40MHz BW)	99-107			NS	NS	NS	NS	NS	NS
SP	115			NS	NS	NS	NS	NS	NS
	123-179			12.25	10.75	12.25	10.75	12.25	10.75
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			12.75	11.25	12.75	11.25	12.75	11.25
	23			12.75	11.25	12.75	11.25	12.75	11.25
	39-55			12.75	11.25	12.75	11.25	12.75	11.25
	71			12.50	11.00	12.50	11.00	12.50	11.00
	87			12.50	11.00	12.50	11.00	12.50	11.00
6 GHz WIFI	103			NS	NS	NS	NS	NS	NS
(80MHz BW)	119			NS	NS	NS	NS	NS	NS
SP	135-167			12.25	10.75	12.25	10.75	12.25	10.75
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			12.75	11.25	12.75	11.25	12.75	11.25
	47			12.75	11.25	12.75	11.25	12.75	11.25
6 GHz WIFI	79			12.50	11.00	12.50	11.00	12.50	11.00
(160MHz BW)	111			NS	NS	NS	NS	NS	NS
SP	143			12.25	10.75	12.25	10.75	12.25	10.75
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	5	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	9-29	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	33-61	5.25	3.75	5.75	4.25	1.50	0.00	4.25	2.75
	65-85	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
6 GHz WIFI	89	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
(20MHz BW)	93	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
LP	97-113	4.50	3.00	5.00	3.50	1.00	-0.50	3.75	2.25
	117-181	4.00	2.50	4.50	3.00	0.50	-1.00	3.25	1.75
	185	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	189-225	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	229	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	233	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	3	[redacted]		8.25	6.75	3.75	2.25	6.75	5.25
	11			8.25	6.75	3.75	2.25	6.75	5.25
	19-27			8.25	6.75	3.75	2.25	6.75	5.25
	35-59			8.75	7.25	4.50	3.00	7.25	5.75
	67-75			8.50	7.00	4.25	2.75	7.00	5.50
	83			8.50	7.00	4.25	2.75	7.00	5.50
6 GHz WIFI	91			8.50	7.00	4.25	2.75	7.00	5.50
(40MHz BW)	99-107			8.00	6.50	4.00	2.50	6.75	5.25
LP	115			7.50	6.00	3.50	2.00	6.25	4.75
	123-179			7.50	6.00	3.50	2.00	6.25	4.75
	187			7.00	5.50	3.25	1.75	6.00	4.50
	195-219			7.00	5.50	3.25	1.75	6.00	4.50
	227			7.00	5.50	3.25	1.75	6.00	4.50
	7			10.75	9.25	6.25	4.75	9.25	7.75
	23			10.75	9.25	6.25	4.75	9.25	7.75
	39-55			11.25	9.75	7.00	5.50	9.75	8.25
	71			11.00	9.50	6.75	5.25	9.50	8.00
	87			11.00	9.50	6.75	5.25	9.50	8.00
6 GHz WIFI	103			10.50	9.00	6.50	5.00	9.25	7.75
(80MHz BW)	119			10.00	8.50	6.00	4.50	8.75	7.25
LP	135-167			10.00	8.50	6.00	4.50	8.75	7.25
	183			9.50	8.00	5.75	4.25	8.50	7.00
	199			9.50	8.00	5.75	4.25	8.50	7.00
	215			9.50	8.00	5.75	4.25	8.50	7.00
	15			12.75	11.25	8.75	7.25	11.75	10.25
	47			12.75	11.25	9.50	8.00	12.25	10.75
6 GHz WIFI	79			12.50	11.00	9.25	7.75	12.00	10.50
(160MHz BW)	111			12.50	11.00	8.50	7.00	11.25	9.75
LP	143			12.25	10.75	8.50	7.00	11.25	9.75
	175			12.00	10.50	8.25	6.75	11.00	9.50
	207			12.00	10.50	8.25	6.75	11.00	9.50

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.75	0.25	-2.50	-4.00	0.25	-1.25
	65-85	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
6 GHz WIFI	89	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
(20MHz BW)	93	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
VLP	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	0.00	-1.50	0.50	-1.00	NS	NS	-0.75	-2.25
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
	3	[redacted]		NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.75	3.25	0.50	-1.00	3.25	1.75
	67-75			4.50	3.00	0.25	-1.25	3.00	1.50
	83			4.50	3.00	0.25	-1.25	3.00	1.50
6 GHz WIFI	91			4.50	3.00	0.25	-1.25	3.00	1.50
(40MHz BW)	99-107			NS	NS	NS	NS	NS	NS
VLP	115			NS	NS	NS	NS	NS	NS
	123-179			3.50	2.00	-0.50	-2.00	2.25	0.75
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
	7			NS	NS	NS	NS	NS	NS
	23			NS	NS	NS	NS	NS	NS
	39-55			7.25	5.75	3.00	1.50	5.75	4.25
	71			7.00	5.50	2.75	1.25	5.50	4.00
	87			7.00	5.50	2.75	1.25	5.50	4.00
6 GHz WIFI	103			NS	NS	NS	NS	NS	NS
(80MHz BW)	119			NS	NS	NS	NS	NS	NS
VLP	135-167			6.00	4.50	2.00	0.50	4.75	3.25
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
	15			NS	NS	NS	NS	NS	NS
	47			9.75	8.25	5.50	4.00	8.25	6.75
6 GHz WIFI	79			9.50	8.00	5.25	3.75	8.00	6.50
(160MHz BW)	111			NS	NS	NS	NS	NS	NS
VLP	143			8.50	7.00	4.50	3.00	7.25	5.75
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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1.4.3 Reduced WLAN Time-Averaged Output Power

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

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1a											
		SISO	SISO	SISO	SISO	SISO	SISO	SISO	SISO	MIMO	MIMO	MIMO	MIMO
		b	b (Nominal)	g (Maximum)	g (Nominal)	n (Maximum)	n (Nominal)	ax SU (Maximum)	ax SU (Nominal)	g/n (Maximum)	g/n (Nominal)	ax SU (Maximum)	ax SU (Nominal)
2.4 GHz WIFI 20 MHz Bandwidth	1	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	2	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	3	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	4	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	5	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	6	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	7	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	8	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	9	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	10	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	11	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	12	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75	5.25	3.75
	13	5.25	3.75	5.25	3.75	5.25	3.75	NS	NS	5.25	3.75	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3a											
		SISO	SISO	SISO	SISO	SISO	SISO	SISO	SISO	MIMO	MIMO	MIMO	MIMO
		b	b (Nominal)	g (Maximum)	g (Nominal)	n (Maximum)	n (Nominal)	ax SU (Maximum)	ax SU (Nominal)	g/n (Maximum)	g/n (Nominal)	ax SU (Maximum)	ax SU (Nominal)
2.4 GHz WIFI 20 MHz Bandwidth	1	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	2	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	3	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	4	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	5	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	6	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	7	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	8	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	9	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	10	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	11	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	12	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	13	5.00	3.50	5.00	3.50	5.00	3.50	NS	NS	5.00	3.50	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b													
		SISO	SISO	SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	a/n/ac (Maximum)	a/n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)
5 GHz WIFI 20 MHz Bandwidth	36	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	40	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	44	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	48	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	52	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	56	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	60	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	64	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	100	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	104	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	108	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	112	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	116	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	120	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	124	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	128	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	132	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	136	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	140	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	144	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	149	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	153	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	157	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	161	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	165	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
5 GHz WIFI 40 MHz Bandwidth	38			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	46			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	54			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	62			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	102			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	110			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	118			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	126			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	134			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	142			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	151			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	159			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
5 GHz WIFI 80 MHz Bandwidth	42			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	58			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	106			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	122			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	138			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	155			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
5 GHz WIFI 160 MHz Bandwidth	50			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	114			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b													
		SISO	SISO	SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	a/n/ac (Maximum)	a/n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)
5 GHz WIFI 20 MHz Bandwidth	36	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	40	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	44	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	48	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	52	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	56	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	60	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	64	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	100	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	104	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	108	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	112	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	116	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	120	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	124	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	128	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	132	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	136	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	140	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	144	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	149	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	153	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	157	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	161	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	165	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
5 GHz WIFI 40 MHz Bandwidth	38			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	46			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	54			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	62			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	102			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	110			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	118			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	126			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	134			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	142			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	151			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
	159			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
5 GHz WIFI 80 MHz Bandwidth	42			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	58			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	106			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	122			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	138			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
	155			4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
5 GHz WIFI 160 MHz Bandwidth	50			5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	114			3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	IEEE 802.11 (Maximum in dBm) - Antenna ST														
	Channel	SISO	SISO	SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	n/ac(Maximum)	n/ac(Nominal)	ax SU (Maximum)	ax SU (Nominal)	a/n/ac (Maximum)	a/n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)	n/ac (Maximum)	n/ac (Nominal)	ax SU (Maximum)	ax SU (Nominal)
5 GHz WIFI 20 MHz Bandwidth	36	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	40	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	44	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	48	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	52	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	56	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	60	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	64	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	100	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	104	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	108	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	112	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	116	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	120	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	124	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	128	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	132	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	136	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	140	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	144	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	149	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	153	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	157	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	161	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	165	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
5 GHz WIFI 40 MHz Bandwidth	38			11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	46			11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	54			11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	62			11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	102			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	110			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	118			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	126			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	134			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	142			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	151			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
	159			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
5 GHz WIFI 80 MHz Bandwidth	42			11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	58			11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	106			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	122			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	138			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00
	155			9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75	9.25	7.75
5 GHz WIFI 160 MHz Bandwidth	50			11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
	114			9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00	9.50	8.00

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	4.75	3.25	4.75	3.25	4.75	3.25
	5	4.75	3.25	4.75	3.25	4.75	3.25	4.75	3.25
	9-29	4.75	3.25	4.75	3.25	4.75	3.25	4.75	3.25
	33-61	4.75	3.25	4.75	3.25	4.75	3.25	4.75	3.25
	65-85	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	89	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	93	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) SP	3	[redacted]		4.75	3.25	4.75	3.25	4.75	3.25
	11			4.75	3.25	4.75	3.25	4.75	3.25
	19-27			4.75	3.25	4.75	3.25	4.75	3.25
	35-59			4.75	3.25	4.75	3.25	4.75	3.25
	67-75			5.00	3.50	5.00	3.50	5.00	3.50
	83			5.00	3.50	5.00	3.50	5.00	3.50
	91			5.00	3.50	5.00	3.50	5.00	3.50
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			6.00	4.50	6.00	4.50	6.00	4.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) SP	7			4.75	3.25	4.75	3.25	4.75	3.25
	23			4.75	3.25	4.75	3.25	4.75	3.25
	39-55			4.75	3.25	4.75	3.25	4.75	3.25
	71			5.00	3.50	5.00	3.50	5.00	3.50
	87			5.00	3.50	5.00	3.50	5.00	3.50
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			6.00	4.50	6.00	4.50	6.00	4.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) SP	15			4.75	3.25	4.75	3.25	4.75	3.25
	47			4.75	3.25	4.75	3.25	4.75	3.25
	79			5.00	3.50	5.00	3.50	5.00	3.50
	111			NS	NS	NS	NS	NS	NS
	143			6.00	4.50	6.00	4.50	6.00	4.50
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	3.00	1.50	3.50	2.00	-1.00	-2.50	2.00	0.50
	5	3.00	1.50	3.50	2.00	-1.00	-2.50	2.00	0.50
	9-29	3.00	1.50	3.50	2.00	-1.00	-2.50	2.00	0.50
	33-61	3.50	2.00	4.00	2.50	-0.25	-1.75	2.50	1.00
	65-85	3.25	1.75	3.75	2.25	-0.50	-2.00	2.25	0.75
	89	3.25	1.75	3.75	2.25	-0.50	-2.00	2.25	0.75
	93	3.25	1.75	3.75	2.25	-0.50	-2.00	2.25	0.75
	97-113	2.75	1.25	3.25	1.75	-0.75	-2.25	2.00	0.50
	117-181	2.25	0.75	2.75	1.25	-1.25	-2.75	1.50	0.00
	185	1.75	0.25	2.25	0.75	-1.50	-3.00	1.25	-0.25
	189-225	1.75	0.25	2.25	0.75	-1.50	-3.00	1.25	-0.25
	229	1.75	0.25	2.25	0.75	-1.50	-3.00	1.25	-0.25
	233	1.75	0.25	2.25	0.75	-1.50	-3.00	1.25	-0.25
6 GHz WIFI (40MHz BW) LP	3	[redacted]		4.75	3.25	2.00	0.50	4.75	3.25
	11			4.75	3.25	2.00	0.50	4.75	3.25
	19-27			4.75	3.25	2.00	0.50	4.75	3.25
	35-59			4.75	3.25	2.75	1.25	4.75	3.25
	67-75			5.00	3.50	2.50	1.00	5.00	3.50
	83			5.00	3.50	2.50	1.00	5.00	3.50
	91			5.00	3.50	2.50	1.00	5.00	3.50
	99-107			5.25	3.75	2.25	0.75	5.00	3.50
	115			5.25	3.75	1.75	0.25	4.50	3.00
	123-179			5.75	4.25	1.75	0.25	4.50	3.00
	187			5.25	3.75	1.50	0.00	4.25	2.75
	195-219			5.25	3.75	1.50	0.00	4.25	2.75
	227			5.25	3.75	1.50	0.00	4.25	2.75
6 GHz WIFI (80MHz BW) LP	7			4.75	3.25	4.50	3.00	4.75	3.25
	23			4.75	3.25	4.50	3.00	4.75	3.25
	39-55			4.75	3.25	4.75	3.25	4.75	3.25
	71			5.00	3.50	5.00	3.50	5.00	3.50
	87			5.00	3.50	5.00	3.50	5.00	3.50
	103			5.25	3.75	4.75	3.25	5.25	3.75
	119			6.00	4.50	4.25	2.75	6.00	4.50
	135-167			6.00	4.50	4.25	2.75	6.00	4.50
	183			6.00	4.50	4.00	2.50	6.00	4.50
	199			6.00	4.50	4.00	2.50	6.00	4.50
	215			6.00	4.50	4.00	2.50	6.00	4.50
6 GHz WIFI (160MHz BW) LP	15			4.75	3.25	4.75	3.25	4.75	3.25
	47			4.75	3.25	4.75	3.25	4.75	3.25
	79			5.00	3.50	5.00	3.50	5.00	3.50
	111			5.25	3.75	5.25	3.75	5.25	3.75
	143			6.00	4.50	6.00	4.50	6.00	4.50
	175			6.00	4.50	6.00	4.50	6.00	4.50
	207			6.00	4.50	6.00	4.50	6.00	4.50

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- Simultaneous conditions with Licensed Bands Antenna 1a/1b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 1b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	-0.50	-2.00	0.00	-1.50	-4.25	-5.75	-1.50	-3.00
	65-85	-0.75	-2.25	-0.25	-1.75	NS	NS	-1.75	-3.25
	89	-0.75	-2.25	-0.25	-1.75	NS	NS	-1.75	-3.25
	93	-0.75	-2.25	-0.25	-1.75	NS	NS	-1.75	-3.25
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	-1.75	-3.25	-1.25	-2.75	NS	NS	-2.50	-4.00
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) VLP	3	[redacted]		NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			3.00	1.50	-1.25	-2.75	1.50	0.00
	67-75			2.75	1.25	-1.50	-3.00	1.25	-0.25
	83			2.75	1.25	-1.50	-3.00	1.25	-0.25
	91			2.75	1.25	-1.50	-3.00	1.25	-0.25
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			1.75	0.25	-2.25	-3.75	0.50	-1.00
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) VLP	7			NS	NS	NS	NS	NS	NS
	23			NS	NS	NS	NS	NS	NS
	39-55			4.75	3.25	1.25	-0.25	4.00	2.50
	71			5.00	3.50	1.00	-0.50	3.75	2.25
	87			5.00	3.50	1.00	-0.50	3.75	2.25
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			4.25	2.75	0.25	-1.25	3.00	1.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) VLP	15			NS	NS	NS	NS	NS	NS
	47			4.75	3.25	3.75	2.25	4.75	3.25
	79			5.00	3.50	3.50	2.00	5.00	3.50
	111			NS	NS	NS	NS	NS	NS
	143			6.00	4.50	2.75	1.25	5.50	4.00
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

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- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	5	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	9-29	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	33-61	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
	65-85	8.00	6.50	8.00	6.50	8.00	6.50	8.00	6.50
	89	8.00	6.50	8.00	6.50	8.00	6.50	8.00	6.50
	93	8.00	6.50	8.00	6.50	8.00	6.50	8.00	6.50
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	9.00	7.50	9.00	7.50	9.00	7.50	9.00	7.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) SP	3	[redacted]		6.00	4.50	6.00	4.50	6.00	4.50
	11			6.00	4.50	6.00	4.50	6.00	4.50
	19-27			6.00	4.50	6.00	4.50	6.00	4.50
	35-59			6.00	4.50	6.00	4.50	6.00	4.50
	67-75			8.00	6.50	8.00	6.50	8.00	6.50
	83			8.00	6.50	8.00	6.50	8.00	6.50
	91			8.00	6.50	8.00	6.50	8.00	6.50
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			9.00	7.50	9.00	7.50	9.00	7.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) SP	7			6.00	4.50	6.00	4.50	6.00	4.50
	23			6.00	4.50	6.00	4.50	6.00	4.50
	39-55			6.00	4.50	6.00	4.50	6.00	4.50
	71			8.00	6.50	8.00	6.50	8.00	6.50
	87			8.00	6.50	8.00	6.50	8.00	6.50
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			9.00	7.50	9.00	7.50	9.00	7.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) SP	15			6.00	4.50	6.00	4.50	6.00	4.50
	47			6.00	4.50	6.00	4.50	6.00	4.50
	79			8.00	6.50	8.00	6.50	8.00	6.50
	111			NS	NS	NS	NS	NS	NS
	143			9.00	7.50	9.00	7.50	9.00	7.50
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) LP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	5	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	9-29	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	33-61	5.25	3.75	5.75	4.25	1.50	0.00	4.25	2.75
	65-85	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
	89	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
	93	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
	97-113	4.50	3.00	5.00	3.50	1.00	-0.50	3.75	2.25
	117-181	4.00	2.50	4.50	3.00	0.50	-1.00	3.25	1.75
	185	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	189-225	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	229	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	233	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
6 GHz WIFI (40MHz BW) LP	3	[redacted]		6.00	4.50	3.75	2.25	6.00	4.50
	11			6.00	4.50	3.75	2.25	6.00	4.50
	19-27			6.00	4.50	3.75	2.25	6.00	4.50
	35-59			6.00	4.50	4.50	3.00	6.00	4.50
	67-75			8.00	6.50	4.25	2.75	7.00	5.50
	83			8.00	6.50	4.25	2.75	7.00	5.50
	91			8.00	6.50	4.25	2.75	7.00	5.50
	99-107			7.75	6.25	4.00	2.50	6.75	5.25
	115			7.50	6.00	3.50	2.00	6.25	4.75
	123-179			7.50	6.00	3.50	2.00	6.25	4.75
	187			7.00	5.50	3.25	1.75	6.00	4.50
	195-219			7.00	5.50	3.25	1.75	6.00	4.50
	227			7.00	5.50	3.25	1.75	6.00	4.50
6 GHz WIFI (80MHz BW) LP	7			6.00	4.50	6.00	4.50	6.00	4.50
	23			6.00	4.50	6.00	4.50	6.00	4.50
	39-55			6.00	4.50	6.00	4.50	6.00	4.50
	71			8.00	6.50	6.75	5.25	8.00	6.50
	87			8.00	6.50	6.75	5.25	8.00	6.50
	103			7.75	6.25	6.50	5.00	7.75	6.25
	119			9.00	7.50	6.00	4.50	8.75	7.25
	135-167			9.00	7.50	6.00	4.50	8.75	7.25
	183			9.00	7.50	5.75	4.25	8.50	7.00
	199			8.25	6.75	5.75	4.25	8.25	6.75
	215			8.25	6.75	5.75	4.25	8.25	6.75
6 GHz WIFI (160MHz BW) LP	15			6.00	4.50	6.00	4.50	6.00	4.50
	47			6.00	4.50	6.00	4.50	6.00	4.50
	79			8.00	6.50	8.00	6.50	8.00	6.50
	111			7.75	6.25	7.75	6.25	7.75	6.25
	143			9.00	7.50	8.50	7.00	9.00	7.50
	175			9.00	7.50	8.25	6.75	9.00	7.50
	207			8.25	6.75	8.25	6.75	8.25	6.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 3b							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.75	0.25	-2.50	-4.00	0.25	-1.25
	65-85	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
	89	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
	93	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	0.00	-1.50	0.50	-1.00	NS	NS	-0.75	-2.25
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) VLP	3	[redacted]		NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.75	3.25	0.50	-1.00	3.25	1.75
	67-75			4.50	3.00	0.25	-1.25	3.00	1.50
	83			4.50	3.00	0.25	-1.25	3.00	1.50
	91			4.50	3.00	0.25	-1.25	3.00	1.50
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			3.50	2.00	-0.50	-2.00	2.25	0.75
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) VLP	7			NS	NS	NS	NS	NS	NS
	23			NS	NS	NS	NS	NS	NS
	39-55			6.00	4.50	3.00	1.50	5.75	4.25
	71			7.00	5.50	2.75	1.25	5.50	4.00
	87			7.00	5.50	2.75	1.25	5.50	4.00
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			6.00	4.50	2.00	0.50	4.75	3.25
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) VLP	15			NS	NS	NS	NS	NS	NS
	47			6.00	4.50	5.50	4.00	6.00	4.50
	79			8.00	6.50	5.25	3.75	8.00	6.50
	111			NS	NS	NS	NS	NS	NS
	143			8.50	7.00	4.50	3.00	7.25	5.75
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) SP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	8.25	6.75	8.25	6.75	8.25	6.75	8.25	6.75
	5	8.25	6.75	8.25	6.75	8.25	6.75	8.25	6.75
	9-29	8.25	6.75	8.25	6.75	8.25	6.75	8.25	6.75
	33-61	8.25	6.75	8.25	6.75	8.25	6.75	8.25	6.75
	65-85	8.00	6.50	8.00	6.50	8.00	6.50	8.00	6.50
	89	8.00	6.50	8.00	6.50	8.00	6.50	8.00	6.50
	93	8.00	6.50	8.00	6.50	8.00	6.50	8.00	6.50
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	7.00	5.50	7.00	5.50	7.00	5.50	7.00	5.50
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) SP	3	[redacted]		8.25	6.75	8.25	6.75	8.25	6.75
	11			8.25	6.75	8.25	6.75	8.25	6.75
	19-27			8.25	6.75	8.25	6.75	8.25	6.75
	35-59			8.25	6.75	8.25	6.75	8.25	6.75
	67-75			8.00	6.50	8.00	6.50	8.00	6.50
	83			8.00	6.50	8.00	6.50	8.00	6.50
	91			8.00	6.50	8.00	6.50	8.00	6.50
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			7.00	5.50	7.00	5.50	7.00	5.50
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) SP	7			8.25	6.75	8.25	6.75	8.25	6.75
	23			8.25	6.75	8.25	6.75	8.25	6.75
	39-55			8.25	6.75	8.25	6.75	8.25	6.75
	71			8.00	6.50	8.00	6.50	8.00	6.50
	87			8.00	6.50	8.00	6.50	8.00	6.50
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			7.00	5.50	7.00	5.50	7.00	5.50
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) SP	15			8.25	6.75	8.25	6.75	8.25	6.75
	47			8.25	6.75	8.25	6.75	8.25	6.75
	79			8.00	6.50	8.00	6.50	8.00	6.50
	111			NS	NS	NS	NS	NS	NS
	143			7.00	5.50	7.00	5.50	7.00	5.50
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna 5T							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	5	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	9-29	4.75	3.25	5.25	3.75	0.75	-0.75	3.75	2.25
	33-61	5.25	3.75	5.75	4.25	1.50	0.00	4.25	2.75
	65-85	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
6 GHz WIFI	89	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
(20MHz BW)	93	5.00	3.50	5.50	4.00	1.25	-0.25	4.00	2.50
LP	97-113	4.50	3.00	5.00	3.50	1.00	-0.50	3.75	2.25
	117-181	4.00	2.50	4.50	3.00	0.50	-1.00	3.25	1.75
	185	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	189-225	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	229	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	233	3.50	2.00	4.00	2.50	0.25	-1.25	3.00	1.50
	3	[redacted]		8.25	6.75	3.75	2.25	6.75	5.25
	11			8.25	6.75	3.75	2.25	6.75	5.25
	19-27			8.25	6.75	3.75	2.25	6.75	5.25
	35-59			8.25	6.75	4.50	3.00	7.25	5.75
	67-75			8.00	6.50	4.25	2.75	7.00	5.50
	83			8.00	6.50	4.25	2.75	7.00	5.50
6 GHz WIFI	91			8.00	6.50	4.25	2.75	7.00	5.50
(40MHz BW)	99-107			7.75	6.25	4.00	2.50	6.75	5.25
LP	115			7.50	6.00	3.50	2.00	6.25	4.75
	123-179			7.00	5.50	3.50	2.00	6.25	4.75
	187			7.00	5.50	3.25	1.75	6.00	4.50
	195-219			7.00	5.50	3.25	1.75	6.00	4.50
	227			7.00	5.50	3.25	1.75	6.00	4.50
	7			8.25	6.75	6.25	4.75	8.25	6.75
	23			8.25	6.75	6.25	4.75	8.25	6.75
	39-55			8.25	6.75	7.00	5.50	8.25	6.75
	71			8.00	6.50	6.75	5.25	8.00	6.50
	87			8.00	6.50	6.75	5.25	8.00	6.50
6 GHz WIFI	103			7.75	6.25	6.50	5.00	7.75	6.25
(80MHz BW)	119			7.00	5.50	6.00	4.50	7.00	5.50
LP	135-167			7.00	5.50	6.00	4.50	7.00	5.50
	183			7.00	5.50	5.75	4.25	7.00	5.50
	199			7.00	5.50	5.75	4.25	7.00	5.50
	215			7.00	5.50	5.75	4.25	7.00	5.50
	15			8.25	6.75	8.25	6.75	8.25	6.75
	47			8.25	6.75	8.25	6.75	8.25	6.75
6 GHz WIFI	79			8.00	6.50	8.00	6.50	8.00	6.50
(160MHz BW)	111			7.75	6.25	7.75	6.25	7.75	6.25
LP	143			7.00	5.50	7.00	5.50	7.00	5.50
	175			7.00	5.50	7.00	5.50	7.00	5.50
	207			7.00	5.50	7.00	5.50	7.00	5.50

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode	Channel	IEEE 802.11 (Maximum in dBm) - Antenna ST							
		SISO	SISO	SISO	SISO	MIMO CDD	MIMO CDD	MIMO SDM	MIMO SDM
		a (Maximum)	a (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)	ax SU (Maximum)	ax SU (Nominal)
6 GHz WIFI (20MHz BW) VLP	2	NS	NS	NS	NS	NS	NS	NS	NS
	1	NS	NS	NS	NS	NS	NS	NS	NS
	5	NS	NS	NS	NS	NS	NS	NS	NS
	9-29	NS	NS	NS	NS	NS	NS	NS	NS
	33-61	1.25	-0.25	1.75	0.25	-2.50	-4.00	0.25	-1.25
	65-85	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
	89	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
	93	1.00	-0.50	1.50	0.00	NS	NS	0.00	-1.50
	97-113	NS	NS	NS	NS	NS	NS	NS	NS
	117-181	0.00	-1.50	0.50	-1.00	NS	NS	-0.75	-2.25
	185	NS	NS	NS	NS	NS	NS	NS	NS
	189-225	NS	NS	NS	NS	NS	NS	NS	NS
	229	NS	NS	NS	NS	NS	NS	NS	NS
	233	NS	NS	NS	NS	NS	NS	NS	NS
6 GHz WIFI (40MHz BW) VLP	3	[redacted]		NS	NS	NS	NS	NS	NS
	11			NS	NS	NS	NS	NS	NS
	19-27			NS	NS	NS	NS	NS	NS
	35-59			4.75	3.25	0.50	-1.00	3.25	1.75
	67-75			4.50	3.00	0.25	-1.25	3.00	1.50
	83			4.50	3.00	0.25	-1.25	3.00	1.50
	91			4.50	3.00	0.25	-1.25	3.00	1.50
	99-107			NS	NS	NS	NS	NS	NS
	115			NS	NS	NS	NS	NS	NS
	123-179			3.50	2.00	-0.50	-2.00	2.25	0.75
	187			NS	NS	NS	NS	NS	NS
	195-219			NS	NS	NS	NS	NS	NS
	227			NS	NS	NS	NS	NS	NS
6 GHz WIFI (80MHz BW) VLP	7			NS	NS	NS	NS	NS	NS
	23			NS	NS	NS	NS	NS	NS
	39-55			7.25	5.75	3.00	1.50	5.75	4.25
	71			7.00	5.50	2.75	1.25	5.50	4.00
	87			7.00	5.50	2.75	1.25	5.50	4.00
	103			NS	NS	NS	NS	NS	NS
	119			NS	NS	NS	NS	NS	NS
	135-167			6.00	4.50	2.00	0.50	4.75	3.25
	183			NS	NS	NS	NS	NS	NS
	199			NS	NS	NS	NS	NS	NS
	215			NS	NS	NS	NS	NS	NS
6 GHz WIFI (160MHz BW) VLP	15			NS	NS	NS	NS	NS	NS
	47			8.25	6.75	5.50	4.00	8.25	6.75
	79			8.00	6.50	5.25	3.75	8.00	6.50
	111			NS	NS	NS	NS	NS	NS
	143			7.00	5.50	4.50	3.00	7.00	5.50
	175			NS	NS	NS	NS	NS	NS
	207			NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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1.4.4 Bluetooth Maximum Output Power

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	**12.00**	**11.00**
	Nominal	**10.50**	**9.50**
Bluetooth EDR	Maximum	**12.00**	**7.00**
	Nominal	**10.50**	**5.50**
Bluetooth LE	Maximum	**12.00**	**11.00**
	Nominal	**10.50**	**9.50**
Bluetooth HDR4	Maximum	**12.00**	**4.50**
	Nominal	**10.50**	**3.00**
Bluetooth HDR8	Maximum	**12.00**	**4.50**
	Nominal	**10.50**	**3.00**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	**7.50**	**7.50**
	Nominal	**6.00**	**6.00**
Bluetooth EDR	Maximum	**7.50**	**7.00**
	Nominal	**6.00**	**5.50**
Bluetooth LE	Maximum	**7.50**	**7.50**
	Nominal	**6.00**	**6.00**
Bluetooth HDR4	Maximum	**7.50**	**4.50**
	Nominal	**6.00**	**3.00**
Bluetooth HDR8	Maximum	**7.50**	**4.50**
	Nominal	**6.00**	**3.00**

Note: in TxBF operations, each antenna transmits at maximum allowed powers indicated above.

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
Bluetooth BDR	Maximum	**12.50**	**10.50**
	Nominal	**11.00**	**9.00**
Bluetooth EDR	Maximum	**12.50**	**6.50**
	Nominal	**11.00**	**5.00**
Bluetooth LE	Maximum	**12.50**	**10.50**
	Nominal	**11.00**	**9.00**
Bluetooth HDR4	Maximum	**12.00**	**4.00**
	Nominal	**10.50**	**2.50**
Bluetooth HDR8	Maximum	**12.00**	**4.00**
	Nominal	**10.50**	**2.50**

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Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 1a	Modulated Average (iPA) TXBF (dBm) Antenna 1a
Bluetooth BDR	Maximum	**8.00**	**8.00**
	Nominal	**6.50**	**6.50**
Bluetooth EDR	Maximum	**8.00**	**6.50**
	Nominal	**6.50**	**5.00**
Bluetooth LE	Maximum	**8.00**	**8.00**
	Nominal	**6.50**	**6.50**
Bluetooth HDR4	Maximum	**8.00**	**4.00**
	Nominal	**6.50**	**2.50**
Bluetooth HDR8	Maximum	**8.00**	**4.00**
	Nominal	**6.50**	**2.50**

Note: in TxBF operations, each antenna transmits at maximum allowed powers indicated above.

1.4.5 Bluetooth Reduced Output Power

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b and wPT active
- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2/4. 5/6 GHz WLAN Ant 3b and wPT active
- Simultaneous conditions with 5/6 GHz WLAN Ant 3b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	**7.50**	**7.50**
	Nominal	**6.00**	**6.00**
Bluetooth EDR	Maximum	**7.50**	**7.00**
	Nominal	**6.00**	**5.50**
Bluetooth LE	Maximum	**7.50**	**7.50**
	Nominal	**6.00**	**6.00**
Bluetooth HDR4	Maximum	**7.50**	**4.50**
	Nominal	**6.00**	**3.00**
Bluetooth HDR8	Maximum	**7.50**	**4.50**
	Nominal	**6.00**	**3.00**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	**7.50**	**7.50**
	Nominal	**6.00**	**6.00**
Bluetooth EDR	Maximum	**7.50**	**7.00**
	Nominal	**6.00**	**5.50**
Bluetooth LE	Maximum	**7.50**	**7.50**
	Nominal	**6.00**	**6.00**
Bluetooth HDR4	Maximum	**7.50**	**4.50**
	Nominal	**6.00**	**3.00**
Bluetooth HDR8	Maximum	**7.50**	**4.50**
	Nominal	**6.00**	**3.00**

Note: in TxBF operations, each antenna transmits at maximum allowed powers indicated above.

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b, 5/6 GHz WLAN Ant 3b and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
Bluetooth BDR	Maximum	**5.00**	**5.00**
	Nominal	**3.50**	**3.50**
Bluetooth EDR	Maximum	**5.00**	**5.00**
	Nominal	**3.50**	**3.50**
Bluetooth LE	Maximum	**5.00**	**5.00**
	Nominal	**3.50**	**3.50**
Bluetooth HDR4	Maximum	**5.00**	**4.50**
	Nominal	**3.50**	**3.00**
Bluetooth HDR8	Maximum	**5.00**	**4.50**
	Nominal	**3.50**	**3.00**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3a	Modulated Average (iPA) TXBF (dBm) Antenna 3a
Bluetooth BDR	Maximum	**5.00**	**5.00**
	Nominal	**3.50**	**3.50**
Bluetooth EDR	Maximum	**5.00**	**5.00**
	Nominal	**3.50**	**3.50**
Bluetooth LE	Maximum	**5.00**	**5.00**
	Nominal	**3.50**	**3.50**
Bluetooth HDR4	Maximum	**5.00**	**4.50**
	Nominal	**3.50**	**3.00**
Bluetooth HDR8	Maximum	**5.00**	**4.50**
	Nominal	**3.50**	**3.00**

Note: in TxBF operations, each antenna transmits at maximum allowed powers indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b and WPT active
- Simultaneous conditions Antenna 2/3a/3b/4, 5/6 GHz WLAN Ant 1b and WPT active
- Simultaneous conditions with 5/6 GHz WLAN Ant 1b and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
Bluetooth BDR	Maximum	**8.00**	**8.00**
	Nominal	**6.50**	**6.50**
Bluetooth EDR	Maximum	**8.00**	**6.50**
	Nominal	**6.50**	**5.00**
Bluetooth LE	Maximum	**8.00**	**8.00**
	Nominal	**6.50**	**6.50**
Bluetooth HDR4	Maximum	**8.00**	**4.00**
	Nominal	**6.50**	**2.50**
Bluetooth HDR8	Maximum	**8.00**	**4.00**
	Nominal	**6.50**	**2.50**

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Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 1a	Modulated Average (iPA) TXBF (dBm) Antenna 1a
Bluetooth BDR	Maximum	**8.00**	**8.00**
	Nominal	**6.50**	**6.50**
Bluetooth EDR	Maximum	**8.00**	**6.50**
	Nominal	**6.50**	**5.00**
Bluetooth LE	Maximum	**8.00**	**8.00**
	Nominal	**6.50**	**6.50**
Bluetooth HDR4	Maximum	**8.00**	**4.00**
	Nominal	**6.50**	**2.50**
Bluetooth HDR8	Maximum	**8.00**	**4.00**
	Nominal	**6.50**	**2.50**

Note: in TxBF operations, each antenna transmits at maximum allowed powers indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b active, 5/6 GHz WLAN Ant 1b and wPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
Bluetooth BDR	Maximum	**5.50**	**5.50**
	Nominal	**4.00**	**4.00**
Bluetooth EDR	Maximum	**5.50**	**5.50**
	Nominal	**4.00**	**4.00**
Bluetooth LE	Maximum	**5.50**	**5.50**
	Nominal	**4.00**	**4.00**
Bluetooth HDR4	Maximum	**5.50**	**4.00**
	Nominal	**4.00**	**2.50**
Bluetooth HDR8	Maximum	**5.50**	**4.00**
	Nominal	**4.00**	**2.50**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 1a	Modulated Average (iPA) TXBF (dBm) Antenna 1a
Bluetooth BDR	Maximum	**5.50**	**5.50**
	Nominal	**4.00**	**4.00**
Bluetooth EDR	Maximum	**5.50**	**5.50**
	Nominal	**4.00**	**4.00**
Bluetooth LE	Maximum	**5.50**	**5.50**
	Nominal	**4.00**	**4.00**
Bluetooth HDR4	Maximum	**5.50**	**4.00**
	Nominal	**4.00**	**2.50**
Bluetooth HDR8	Maximum	**5.50**	**4.00**
	Nominal	**4.00**	**2.50**

Note: in TxBF operations, each antenna transmits at maximum allowed powers indicated above.

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1.4.6 802.15.4 Maximum Output Power

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	**12.50**	**11.00**
	Nominal	**11.00**	**9.50**

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
802.15.4	Maximum	**12.50**	**10.50**
	Nominal	**11.00**	**9.00**

1.4.7 802.15.4 Reduced Output Power

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and wPT active
- Simultaneous conditions with Licensed Bands Antenna 1a/1b/2/4, 5/6 GHz WLAN Ant 3b and wPT active
- Simultaneous conditions with 5/6 GHz WLAN Ant 3b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	**8.00**	**8.00**
	Nominal	**6.50**	**6.50**

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b, 5/6 GHz WLAN Ant 3B and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3a
802.15.4	Maximum	**5.50**	**5.50**
	Nominal	**4.00**	**4.00**

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b and WPT active
- Simultaneous conditions with Licensed Bands Antenna 2/3a/3b/4, 5/6 GHz WLAN Ant 1B and WPT active
- Simultaneous conditions with 5/6 GHz WLAN Ant 1b and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
802.15.4	Maximum	**8.00**	**8.00**
	Nominal	**6.50**	**6.50**

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Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b active, 5/6 GHz WLAN Ant 1B and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1a	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1a
802.15.4	Maximum	**5.50**	**5.50**
	Nominal	**4.00**	**4.00**

1.4.8 NB UNII Maximum Output Power

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 5T
NB UNII-1 BDR	Maximum	**10.00**	**5.00**
	Nominal	**8.50**	**3.50**
NB UNII-1 HDR4	Maximum	**12.50**	**-0.50**
	Nominal	**11.00**	**-2.00**
NB UNII-1 HDR8	Maximum	**12.50**	**-0.50**
	Nominal	**11.00**	**-2.00**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 5T	Modulated Average (iPA) TXBF (dBm) Antenna 5T
NB UNII-1 BDR	Maximum	**7.00**	**3.50**
	Nominal	**5.50**	**2.00**
NB UNII-1 HDR4	Maximum	**9.50**	**-2.00**
	Nominal	**8.00**	**-3.50**
NB UNII-1 HDR8	Maximum	**12.00**	**-2.00**
	Nominal	**10.50**	**-3.50**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	**10.00**	**4.00**
	Nominal	**8.50**	**2.50**
NB UNII-1 HDR4	Maximum	**11.50**	**-2.00**
	Nominal	**10.00**	**-3.50**
NB UNII-1 HDR8	Maximum	**11.50**	**-2.00**
	Nominal	**10.00**	**-3.50**

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Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	**7.00**	**2.50**
	Nominal	**5.50**	**1.00**
NB UNII-1 HDR4	Maximum	**9.50**	**-3.50**
	Nominal	**8.00**	**-5.00**
NB UNII-1 HDR8	Maximum	**11.50**	**-3.50**
	Nominal	**10.00**	**-5.00**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-1 BDR	Maximum	**10.00**	**2.50**
	Nominal	**8.50**	**1.00**
NB UNII-1 HDR4	Maximum	**10.50**	**-3.50**
	Nominal	**9.00**	**-5.00**
NB UNII-1 HDR8	Maximum	**10.50**	**-3.50**
	Nominal	**9.00**	**-5.00**

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 5T
NB UNII-3 BDR	Maximum	**13.50**	**5.50**
	Nominal	**12.00**	**4.00**
NB UNII-3 HDR4	Maximum	**13.50**	**0.00**
	Nominal	**12.00**	**-1.50**
NB UNII-3 HDR8	Maximum	**13.50**	**0.00**
	Nominal	**12.00**	**-1.50**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 5T	Modulated Average (iPA) TXBF (dBm) Antenna 5T
NB UNII-3 BDR	Maximum	**13.50**	**5.00**
	Nominal	**12.00**	**3.50**
NB UNII-3 HDR4	Maximum	**13.50**	**-1.50**
	Nominal	**12.00**	**-3.00**
NB UNII-3 HDR8	Maximum	**13.50**	**-1.50**
	Nominal	**12.00**	**-3.00**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	**11.50**	**4.50**
	Nominal	**10.00**	**3.00**
NB UNII-3 HDR4	Maximum	**11.50**	**-1.50**
	Nominal	**10.00**	**-3.00**
NB UNII-3 HDR8	Maximum	**11.50**	**-1.50**
	Nominal	**10.00**	**-3.00**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	**11.50**	**4.00**
	Nominal	**10.00**	**2.50**
NB UNII-3 HDR4	Maximum	**11.50**	**-2.50**
	Nominal	**10.00**	**-4.00**
NB UNII-3 HDR8	Maximum	**11.50**	**-2.50**
	Nominal	**10.00**	**-4.00**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-3 BDR	Maximum	**11.00**	**3.00**
	Nominal	**9.50**	**1.50**
NB UNII-3 HDR4	Maximum	**11.00**	**-3.00**
	Nominal	**9.50**	**-4.50**
NB UNII-3 HDR8	Maximum	**11.00**	**-3.00**
	Nominal	**9.50**	**-4.50**

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1.4.9 NB UNII Reduced Output Power

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and 2.4 GHz WLAN
- Simultaneous conditions with conditions with Inter-Band ULCA active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 5T
NB UNII-1 BDR	Maximum	**10.00**	**5.00**
	Nominal	**8.50**	**3.50**
NB UNII-1 HDR4	Maximum	**12.00**	**-0.50**
	Nominal	**10.50**	**-2.00**
NB UNII-1 HDR8	Maximum	**12.00**	**-0.50**
	Nominal	**10.50**	**-2.00**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 5T	Modulated Average (iPA) TXBF (dBm) Antenna 5T
NB UNII-1 BDR	Maximum	**7.00**	**3.50**
	Nominal	**5.50**	**2.00**
NB UNII-1 HDR4	Maximum	**9.50**	**-2.00**
	Nominal	**8.00**	**-3.50**
NB UNII-1 HDR8	Maximum	**12.00**	**-2.00**
	Nominal	**10.50**	**-3.50**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b and WPT active
- Simultaneous conditions with Licensed Bands Antenna 2/1a/1b/4, 2.4 GHz WLAN and WPT active
- Simultaneous conditions with 2.4 GHz WLAN and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	**7.00**	**4.00**
	Nominal	**5.50**	**2.50**
NB UNII-1 HDR4	Maximum	**7.00**	**-2.00**
	Nominal	**5.50**	**-3.50**
NB UNII-1 HDR8	Maximum	**7.00**	**-2.00**
	Nominal	**5.50**	**-3.50**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	**7.00**	**2.50**
	Nominal	**5.50**	**1.00**
NB UNII-1 HDR4	Maximum	**7.00**	**-3.50**
	Nominal	**5.50**	**-5.00**
NB UNII-1 HDR8	Maximum	**7.00**	**-3.50**
	Nominal	**5.50**	**-5.00**

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Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b Active and WPT active and 2.4 GHz WLAN
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	**4.50**	**4.00**
	Nominal	**3.00**	**2.50**
NB UNII-1 HDR4	Maximum	**4.50**	**-2.00**
	Nominal	**3.00**	**-3.50**
NB UNII-1 HDR8	Maximum	**4.50**	**-2.00**
	Nominal	**3.00**	**-3.50**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-1 BDR	Maximum	**4.50**	**2.50**
	Nominal	**3.00**	**1.00**
NB UNII-1 HDR4	Maximum	**4.50**	**-3.50**
	Nominal	**3.00**	**-5.00**
NB UNII-1 HDR8	Maximum	**4.50**	**-3.50**
	Nominal	**3.00**	**-5.00**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b and wPT
- Simultaneous conditions with Licensed Bands Antenna 2/3a/3b/4, 2.4 GHz WLAN and wPT active
- Simultaneous conditions with 2.4 GHz WLAN and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-1 BDR	Maximum	**7.00**	**2.50**
	Nominal	**5.50**	**1.00**
NB UNII-1 HDR4	Maximum	**7.00**	**-3.50**
	Nominal	**5.50**	**-5.00**
NB UNII-1 HDR8	Maximum	**7.00**	**-3.50**
	Nominal	**5.50**	**-5.00**

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b active and 2.4 GHz WLAN and WPT active
- Simultaneous conditions with Inter-Band ULCA active and wPT active

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Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-1 BDR	Maximum	**4.50**	**2.50**
	Nominal	**3.00**	**1.00**
NB UNII-1 HDR4	Maximum	**4.50**	**-3.50**
	Nominal	**3.00**	**-5.00**
NB UNII-1 HDR8	Maximum	**4.50**	**-3.50**
	Nominal	**3.00**	**-5.00**

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b and WPT active
- Simultaneous conditions with Licensed Bands Antenna 2/1a/1b/4, 2.4 GHz WLAN and WPT active
- Simultaneous conditions with 2.4 GHz WLAN Active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 5T
NB UNII-3 BDR	Maximum	**12.00**	**5.50**
	Nominal	**10.50**	**4.00**
NB UNII-3 HDR4	Maximum	**12.00**	**0.00**
	Nominal	**10.50**	**-1.50**
NB UNII-3 HDR8	Maximum	**12.00**	**0.00**
	Nominal	**10.50**	**-1.50**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 5T	Modulated Average (iPA) TXBF (dBm) Antenna 5T
NB UNII-3 BDR	Maximum	**12.00**	**5.00**
	Nominal	**10.50**	**3.50**
NB UNII-3 HDR4	Maximum	**12.00**	**-1.50**
	Nominal	**10.50**	**-3.00**
NB UNII-3 HDR8	Maximum	**12.00**	**-1.50**
	Nominal	**10.50**	**-3.00**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b active and 2.4 GHz WLAN and WPT active
- Simultaneous conditions with conditions with Inter-Band ULCA active and WPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 5T	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 5T
NB UNII-3 BDR	Maximum	**9.50**	**5.50**
	Nominal	**8.00**	**4.00**
NB UNII-3 HDR4	Maximum	**9.50**	**0.00**
	Nominal	**8.00**	**-1.50**
NB UNII-3 HDR8	Maximum	**9.50**	**0.00**
	Nominal	**8.00**	**-1.50**

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Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 5T	Modulated Average (iPA) TXBF (dBm) Antenna 5T
NB UNII-3 BDR	Maximum	**9.50**	**5.00**
	Nominal	**8.00**	**3.50**
NB UNII-3 HDR4	Maximum	**9.50**	**-1.50**
	Nominal	**8.00**	**-3.00**
NB UNII-3 HDR8	Maximum	**9.50**	**-1.50**
	Nominal	**8.00**	**-3.00**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b Active and WPT active
- Simultaneous conditions with Licensed Bands Antenna 2/1a/1b/4, 2.4 GHz WLAN and WPT active
- Simultaneous conditions with 2.4 GHz WLAN and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	**7.00**	**4.50**
	Nominal	**5.50**	**3.00**
NB UNII-3 HDR4	Maximum	**7.00**	**-1.50**
	Nominal	**5.50**	**-3.00**
NB UNII-3 HDR8	Maximum	**7.00**	**-1.50**
	Nominal	**5.50**	**-3.00**

Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	**7.00**	**4.00**
	Nominal	**5.50**	**2.50**
NB UNII-3 HDR4	Maximum	**7.00**	**-2.50**
	Nominal	**5.50**	**-4.00**
NB UNII-3 HDR8	Maximum	**7.00**	**-2.50**
	Nominal	**5.50**	**-4.00**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3a/3b Active and WPT active and 2.4 GHz WLAN
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 3b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	**4.50**	**4.50**
	Nominal	**3.00**	**3.00**
NB UNII-3 HDR4	Maximum	**4.50**	**-1.50**
	Nominal	**3.00**	**-3.00**
NB UNII-3 HDR8	Maximum	**4.50**	**-1.50**
	Nominal	**3.00**	**-3.00**

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Mode / Band		Modulated Average (ePA) TXBF (dBm) Antenna 3b	Modulated Average (iPA) TXBF (dBm) Antenna 3b
NB UNII-3 BDR	Maximum	**4.50**	**4.00**
	Nominal	**3.00**	**2.50**
NB UNII-3 HDR4	Maximum	**4.50**	**-2.50**
	Nominal	**3.00**	**-4.00**
NB UNII-3 HDR8	Maximum	**4.50**	**-2.50**
	Nominal	**3.00**	**-4.00**

Note: In TxBF operations, each antenna transmits at maximum allowed powers as indicated above.

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b Active and wPT active
- Simultaneous conditions with Licensed Bands Antenna 2/3a/3b/4, 2.4 GHz WLAN and wPT active
- Simultaneous conditions with 2.4 GHz WLAN and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-3 BDR	Maximum	**6.50**	**3.00**
	Nominal	**5.00**	**1.50**
NB UNII-3 HDR4	Maximum	**6.50**	**-3.00**
	Nominal	**5.00**	**-4.50**
NB UNII-3 HDR8	Maximum	**6.50**	**-3.00**
	Nominal	**5.00**	**-4.50**

Table below is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1a/1b Active and WPT active and 2.4 GHz WLAN
- Simultaneous conditions with Inter-Band ULCA active and wPT active

Mode / Band		Modulated Average (ePA) Single Tx Chain (dBm) Antenna 1b	Modulated Average (iPA) Single Tx Chain (dBm) Antenna 1b
NB UNII-3 BDR	Maximum	**4.00**	**3.00**
	Nominal	**2.50**	**1.50**
NB UNII-3 HDR4	Maximum	**4.00**	**-3.00**
	Nominal	**2.50**	**-4.50**
NB UNII-3 HDR8	Maximum	**4.00**	**-3.00**
	Nominal	**2.50**	**-4.50**

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1.5 DUT Antenna Locations

The overall diagonal dimension of the device is > 200 mm. A diagram showing the location of the device antennas can be found in DUT Antenna Diagram & SAR Test Setup Photographs Appendix. Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC filings.

Note: Per FCC KDB Publication 616217 D04v01r01, front side of the device is not required to be evaluated for SAR. All other edges were evaluated for simultaneous transmission analysis.

1.6 Simultaneous Transmission Capabilities

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

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D04v01 4.3.2 procedures.

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Table 1-6
Simultaneous Transmission Scenarios

No.	Capable Transmit Configuration	Body
1	2.4 GHz WI-FI MIMO + WPT	Yes
2	5/6 GHz WI-FI MIMO + WPT	Yes
3	2.4 GHz Bluetooth (TXBF) + WPT	Yes
4	NB UNII (TXBF) + WPT	Yes
5	Cellular Band + 2.4 GHz WI-FI + WPT	Yes
6	Cellular Band + 5/6 GHz WI-FI + WPT	Yes
7	Cellular Band + 2.4 GHz Bluetooth + WPT	Yes
8	Cellular Band + 802.15.4 + WPT	Yes
9	Cellular Band + 2.4 GHz WI-FI MIMO + WPT	Yes
10	Cellular Band + 5/6 GHz WI-FI MIMO + WPT	Yes
11	Cellular Band + 2.4 GHz Bluetooth + 5/6 GHz WI-FI + WPT	Yes
12	Cellular Band + 802.15.4 + 5/6 GHz WI-FI + WPT	Yes
13	Cellular Band + 2.4 GHz Bluetooth + 5/6 GHz WI-FI MIMO + WPT	Yes
14	Cellular Band + 802.15.4 + 5/6 GHz WI-FI MIMO + WPT	Yes
15	2.4 GHz Bluetooth + 5 GHz WI-FI + WPT	Yes
16	802.15.4 + 5 GHz WI-FI + WPT	Yes
17	2.4 GHz Bluetooth + 5/6 GHz WI-FI MIMO + WPT	Yes
18	802.15.4 + 5/6 GHz WI-FI MIMO + WPT	Yes
19	Cellular Band + 2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI + WPT	Yes
20	Cellular Band + 2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI MIMO + WPT	Yes
21	2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI + WPT	Yes
22	2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI MIMO + WPT	Yes
23	Cellular Band + NB UNII + WPT	Yes
24	Cellular Band + NB UNII+ 2.4 GHz WI-FI + WPT	Yes
25	Cellular Band + NB UNII+ 2.4 GHz WI-FI MIMO + WPT	Yes
26	NB UNII + 2.4 GHz WI-FI + WPT	Yes
27	NB UNII + 2.4 GHz WI-FI MIMO + WPT	Yes
28	Cellular Band + NB UNII (TXBF) + 2.4 GHz WI-FI + WPT	Yes
29	Cellular Band + NB UNII (TXBF) + 2.4 GHz WI-FI MIMO + WPT	Yes
30	Cellular Band + NB UNII (TXBF) + WPT	Yes
31	Cellular Band + 2.4 GHz Bluetooth (TXBF) + WPT	Yes
32	2.4 GHz WI-FI Antenna 3a + 2.4 GHz Bluetooth Antenna 1a + WPT	Yes
33	2.4 GHz WI-FI Antenna 3a + 802.15.4 Antenna 1a + WPT	Yes
34	Cellular Band + 2.4 GHz WI-FI Antenna 3a + 2.4 GHz Bluetooth Antenna 1a + WPT	Yes
35	Cellular Band + 2.4 GHz WI-FI Antenna 3a + 802.15.4 Antenna 1a + WPT	Yes

Table 1-7
Simultaneous Transmission Scenarios of Inter-Band ULCA

No.	Capable Transmit Configuration	Body	Notes
1	Cellular Ant 2 LB + Cellular Ant 1b MB/HB	Yes	LTE Bands transmitting from Ant 2 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 1b MB/HB: LTE B2/4/7/30/66
2	Cellular Ant 2 LB + Cellular Ant 3b MB/HB	Yes	LTE Bands transmitting from Ant 2 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 3b MB/HB: LTE B2/4/7/30/66
3	Cellular Ant 2 LB + Cellular Ant 4 MB/HB	Yes	LTE Bands transmitting from Ant 2 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 4 MB/HB: LTE B2/4/7/30/66
4	Cellular Ant 4 LB + Cellular Ant 1b MB/HB	Yes	LTE Bands transmitting from Ant 4 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 1b MB/HB: LTE B2/4/7/30/66
5	Cellular Ant 4 LB + Cellular Ant 2 MB/HB	Yes	LTE Bands transmitting from Ant 4 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 2 MB/HB: LTE B2/4/7/30/66
6	Cellular Ant 4 LB + Cellular Ant 3b MB/HB	Yes	LTE Bands transmitting from Ant 4 LB: LTE B5/12/13/14 LTE Bands transmitting from Ant 3b MB/HB: LTE B2/4/7/30/66

Note: The technical description includes all the possible Inter-band ULCA combinations.

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Table 1-8
Simultaneous Transmission Scenarios with Inter-Band ULCA Active

No.	Capable Transmit Configuration	Body
1	LTE Inter-Band ULCA + 2.4 GHz WI-FI + WPT	Yes
2	LTE Inter-Band ULCA + 5/6 GHz WI-FI + WPT	Yes
3	LTE Inter-Band ULCA + 2.4 GHz Bluetooth + WPT	Yes
4	LTE Inter-Band ULCA + 802.15.4 + WPT	Yes
5	LTE Inter-Band ULCA + 2.4 GHz WI-FI MIMO + WPT	Yes
6	LTE Inter-Band ULCA + 5/6 GHz WI-FI MIMO + WPT	Yes
7	LTE Inter-Band ULCA + 2.4 GHz Bluetooth + 5/6 GHz WI-FI + WPT	Yes
8	LTE Inter-Band ULCA + 802.15.4 + 5/6 GHz WI-FI + WPT	Yes
9	LTE Inter-Band ULCA + 2.4 GHz Bluetooth + 5/6 GHz WI-FI MIMO + WPT	Yes
10	LTE Inter-Band ULCA + 802.15.4 + 5/6 GHz WI-FI MIMO + WPT	Yes
11	LTE Inter-Band ULCA + 2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI + WPT	Yes
12	LTE Inter-Band ULCA + 2.4 GHz Bluetooth (TXBF) + 5/6 GHz WI-FI MIMO + WPT	Yes
13	LTE Inter-Band ULCA + NB UNII + WPT	Yes
14	LTE Inter-Band ULCA + NB UNII+ 2.4 GHz WI-FI + WPT	Yes
15	LTE Inter-Band ULCA + NB UNII+ 2.4 GHz WI-FI MIMO + WPT	Yes
16	LTE Inter-Band ULCA + NB UNII (TXBF) + 2.4 GHz WI-FI + WPT	Yes
17	LTE Inter-Band ULCA + NB UNII (TXBF) + 2.4 GHz WI-FI MIMO + WPT	Yes
18	LTE Inter-Band ULCA + NB UNII (TXBF) + WPT	Yes
19	LTE Inter-Band ULCA + 2.4 GHz Bluetooth (TXBF) + WPT	Yes
20	LTE Inter-Band ULCA + 2.4 GHz WI-FI Antenna 3a + 2.4 GHz Bluetooth Antenna 1a + WPT	Yes
21	LTE Inter-Band ULCA + 2.4 GHz WI-FI Antenna 3a + 802.15.4 Antenna 1a + WPT	Yes

Note: LTE inter-band ULCA can operate in any of the combinations in Table 1-7

1. There are no limitations in the above listed simultaneous transmission scenarios between cellular antennas and BT/WI-FI antennas.
2. 2.4GHz WIFI and 2.4 GHz Bluetooth/802.15.4 can transmit simultaneously on separate antennas. Specific 2.4 GHz WIFI Antenna that can only transmit simultaneously with 2.4 GHz Bluetooth/802.15.4 is listed in the above table. In this scenario, Wi-Fi max power will not exceed minimum of (13.5 dBm, SAR max cap, Reg max cap) power. Additionally, in disconnected mode, BT will be using iPA only.
3. Specific NB UNII TXBF Antennas that can only transmit simultaneously are listed in the Simultaneous Transmission Backoff Scenarios document.
4. 2.4 GHz WLAN and 5 GHz WLAN cannot transmit simultaneously.
5. This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac/ax. 802.11a/g/n/ac/ax supports CDD and 802.11n/ac/ax additionally supports SDM. Each WLAN antenna can transmit independently or together when operating with MIMO.
6. EN-DC operation is supported with LTE + 5G NR FR1 scenarios. The LTE anchor bands are shown in the NR FR1 checklist.
7. This device supports VoWIFI

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1.7 Miscellaneous SAR Test Considerations

(A) WIFI/BT

Based on the maximum allowed power for the respective antennas, U-NII-2A was evaluated for Antenna 1b, Antenna 5T, and Antenna 3b. Additional testing for U-NII-1 Antenna 1b, Antenna 5T, and Antenna 3b SAR was not required since U-NII-1 and U-NII-2A bands have the same maximum output power and all reported SAR was less than 1.2 W/kg per FCC KDB Publication 248227 D01v02r02.

The WLAN/Bluetooth/802.15.4/NB UNII chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with identical mechanical structures to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report. WLAN/Bluetooth/802.15.4/NB UNII SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining WLAN/Bluetooth/802.15.4/NB UNII configurations.

This device supports channel 1-13 for 2.4 GHz WLAN. However, because channel 12/13 targets are not higher than that of channels 1-11, channels 1, 6, and 11 were considered for SAR testing per FCC KDB 248227 D01V02r02.

This device supports IEEE 802.11ac with the following features:

a) Up to 160 MHz Bandwidth only for 5/6 GHz
b) 3 Tx antenna output
c) 256 QAM is supported
d) TDWR and Band gap channels are supported

This device supports IEEE 802.11ax with the following features:

a) Up to 160 MHz Bandwidth only for 5/6 GHz
b) Up to 20 MHz Bandwidth only for 2.4 GHz
c) No aggregate channel configurations
d) 3 Tx antenna output
e) Up to 1024 QAM is supported
f) TDWR and Band gap channels are supported for 5 GHz
g) MU-MIMO UL Operations are not supported

Per April 2019 TCB Workshop Notes, SAR testing was not required for 802.11ax when applying the initial test configuration procedures of KDB 248227, with 802.11ax considered a higher order 802.11 mode.

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

(B) Licensed Transmitter(s)

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

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

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

This device supports LTE Carrier Aggregation (CA) in the downlink. All uplink communications are identical to Release 8 specifications. Per FCC KDB Publication 941225 D05A v01r02, SAR for LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive. The downlink carrier aggregation exclusion analysis can be found in LTE DLCA RF Conducted Powers Appendix.

This device supports downlink 4x4 MIMO operations for some LTE Bands. Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

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

This device supports both Power Class 2 (PC2) and Power Class 3 (PC3) for LTE Band 41 and NR Band n41/77. Per May 2017 TCB Workshop Notes, SAR tests were performed with Power Class 3 (given the specific UL/DL limitations for Power Class 2). Additionally, SAR testing for the power class 2 condition was evaluated for the highest configuration in Power Class 3 for each test configuration to confirm the results were scalable linearly (See Section 13).

This device supports LTE Carrier Aggregation (CA) for LTE Band 41, LTE Band 48, LTE Band 5, LTE Band 66, and LTE Band 7 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

This device supports inter-band LTE Carrier Aggregation (CA) for LTE Bands 2/4/5/30/7/12/13/14/66 with two component carriers in the uplink.

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

1.8 Guidance Applied

- FCC KDB Publication 941225 D01v03r01, D05v02r05, D05Av01r02 (3G/4G)
- FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D04v01 (Interim General SAR Guidance)

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- FCC KDB Publication 865664 D01v01r04, D02v01r02 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 616217 D04v01r02 (Tablet)
- May 2017 TCB Workshop Notes (LTE 4x4 Downlink MIMO, LTE Band 41 Power Class 2/3)
- November 2017, April 2018, October 2018 TCB Workshop Notes (LTE Carrier Aggregation)
- April 2019 TCB Workshop Notes (IEEE 802.11ax)
- October 2018 TCB Workshop Notes (Inter-band Uplink Carrier Aggregation)
- November 2017, October 2018, April 2019, November 2019, October 2020 TCB Workshop Notes (IEEE 802.11ax)
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note (Interim Procedures for Devices Operating at 6-10 GHz) (Nov 2021)
- IEEE 1528-2013
- IEC TR 63170:2018
- IEC 62479:2010

1.9 Device Serial Numbers

Several samples with identical hardware were used to support SAR testing. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical, and thermal characteristics and are within operational tolerances expected for production units. The serial numbers used for each test are indicated alongside the results in Section 10.

1.10 Bibliography

Report Type	Report Serial Number
RF Exposure Part 0 Test Report	1C2410210075-01.BCG
RF Exposure Part 2 Test Report	1C2410210075-03.BCG
RF Exposure Compliance Summary Report	1C2410210075-04.BCG

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2 LTE AND NR INFORMATION

LTE Information					
Form Factor	Tablet				
Frequency Range of each LTE transmission	LTE Band 71 (665.5 - 695.5 MHz)				
	LTE Band 12 (699.7 - 715.3 MHz)				
	LTE Band 17 (706.5 - 713.5 MHz)				
	LTE Band 13 (779.5 - 784.5 MHz)				
	LTE Band 14 (790.5 - 795.5 MHz)				
	LTE Band 26 (Cell) (814.7 - 848.3 MHz)				
	LTE Band 5 (Cell) (824.7 - 848.3 MHz)				
	LTE Band 66 (AWS) (1710.7 - 1779.3 MHz)				
	LTE Band 4 (AWS) (1710.7 - 1754.3 MHz)				
	LTE Band 25 (PCS) (1850.7 - 1914.3 MHz)				
	LTE Band 2 (PCS) (1850.7 - 1909.3 MHz)				
	LTE Band 30 (2307.5 - 2312.5 MHz)				
	LTE Band 7 (2502.5 - 2567.5 MHz)				
	LTE Band 41 (2498.5 - 2687.5 MHz)				
	LTE Band 48 (3552.5 - 3697.5 MHz)				
Channel Bandwidths	LTE Band 71: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 17: 5 MHz, 10 MHz				
	LTE Band 13: 5 MHz, 10 MHz				
	LTE Band 14: 5 MHz, 10 MHz				
	LTE Band 26 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 5 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 66 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 4 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 25 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 2 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 30: 5 MHz, 10 MHz				
	LTE Band 7: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 41: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 48: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
Channel Numbers and Frequencies (MHz)	Low	Low-Mid	Mid	Mid-High	High
LTE Band 71: 5 MHz	665.5 (133147)		680.5 (133297)	695.5 (133447)	
LTE Band 71: 10 MHz	668 (133172)		680.5 (133297)	693 (133422)	
LTE Band 71: 15 MHz	670.5 (133197)		680.5 (133297)	690.5 (133397)	
LTE Band 71: 20 MHz	673 (133222)		680.5 (133297)	688 (133372)	
LTE Band 12: 1.4 MHz	699.7 (23017)		707.5 (23095)	715.3 (23173)	
LTE Band 12: 3 MHz	700.5 (23025)		707.5 (23095)	714.5 (23165)	
LTE Band 12: 5 MHz	701.5 (23035)		707.5 (23095)	713.5 (23155)	
LTE Band 12: 10 MHz	704 (23060)		707.5 (23095)	711 (23130)	
LTE Band 17: 5 MHz	706.5 (23755)		710 (23790)	713.5 (23825)	
LTE Band 17: 10 MHz	709 (23780)		710 (23790)	711 (23800)	
LTE Band 13: 5 MHz	779.5 (23205)		782 (23230)	784.5 (23255)	
LTE Band 13: 10 MHz	N/A		782 (23230)	N/A	
LTE Band 14: 5 MHz	790.5 (23305)		793 (23330)	795.5 (23355)	
LTE Band 14: 10 MHz	N/A		793 (23330)	N/A	
LTE Band 26 (Cell): 1.4 MHz	814.7 (26697)		831.5 (26865)	848.3 (27033)	
LTE Band 26 (Cell): 3 MHz	815.5 (26705)		831.5 (26865)	847.5 (27025)	
LTE Band 26 (Cell): 5 MHz	816.5 (26715)		831.5 (26865)	846.5 (27015)	
LTE Band 26 (Cell): 10 MHz	819 (26740)		831.5 (26865)	844 (26990)	
LTE Band 5 (Cell): 1.4 MHz	824.7 (20407)		836.5 (20525)	848.3 (20643)	
LTE Band 5 (Cell): 3 MHz	825.5 (20415)		836.5 (20525)	847.5 (20635)	
LTE Band 5 (Cell): 5 MHz	826.5 (20425)		836.5 (20525)	846.5 (20625)	
LTE Band 5 (Cell): 10 MHz	829 (20450)		836.5 (20525)	844 (20600)	
LTE Band 66 (AWS): 1.4 MHz	1710.7 (131979)		1745 (132322)	1779.3 (132665)	
LTE Band 66 (AWS): 3 MHz	1711.5 (131987)		1745 (132322)	1778.5 (132657)	
LTE Band 66 (AWS): 5 MHz	1712.5 (131997)		1745 (132322)	1777.5 (132647)	
LTE Band 66 (AWS): 10 MHz	1715 (132022)		1745 (132322)	1775 (132622)	
LTE Band 66 (AWS): 15 MHz	1717.5 (132047)		1745 (132322)	1772.5 (132597)	
LTE Band 66 (AWS): 20 MHz	1720 (132072)		1745 (132322)	1770 (132572)	
LTE Band 4 (AWS): 1.4 MHz	1710.7 (19957)		1732.5 (20175)	1754.3 (20393)	
LTE Band 4 (AWS): 3 MHz	1711.5 (19965)		1732.5 (20175)	1753.5 (20385)	
LTE Band 4 (AWS): 5 MHz	1712.5 (19975)		1732.5 (20175)	1752.5 (20375)	
LTE Band 4 (AWS): 10 MHz	1715 (20000)		1732.5 (20175)	1750 (20350)	
LTE Band 4 (AWS): 15 MHz	1717.5 (20025)		1732.5 (20175)	1747.5 (20325)	
LTE Band 4 (AWS): 20 MHz	1720 (20050)		1732.5 (20175)	1745 (20300)	
LTE Band 25 (PCS): 1.4 MHz	1850.7 (26047)		1882.5 (26365)	1914.3 (26683)	
LTE Band 25 (PCS): 3 MHz	1851.5 (26055)		1882.5 (26365)	1913.5 (26675)	
LTE Band 25 (PCS): 5 MHz	1852.5 (26065)		1882.5 (26365)	1912.5 (26665)	
LTE Band 25 (PCS): 10 MHz	1855 (26090)		1882.5 (26365)	1910 (26640)	
LTE Band 25 (PCS): 15 MHz	1857.5 (26115)		1882.5 (26365)	1907.5 (26615)	
LTE Band 25 (PCS): 20 MHz	1860 (26140)		1882.5 (26365)	1905 (26590)	
LTE Band 2 (PCS): 1.4 MHz	1850.7 (18607)		1880 (18900)	1909.3 (19193)	
LTE Band 2 (PCS): 3 MHz	1851.5 (18615)		1880 (18900)	1908.5 (19185)	
LTE Band 2 (PCS): 5 MHz	1852.5 (18625)		1880 (18900)	1907.5 (19175)	
LTE Band 2 (PCS): 10 MHz	1855 (18650)		1880 (18900)	1905 (19150)	
LTE Band 2 (PCS): 15 MHz	1857.5 (18675)		1880 (18900)	1902.5 (19125)	
LTE Band 2 (PCS): 20 MHz	1860 (18700)		1880 (18900)	1900 (19100)	
LTE Band 30: 5 MHz	2307.5 (27685)		2310 (27710)	2312.5 (27735)	
LTE Band 30: 10 MHz	N/A		2310 (27710)	N/A	
LTE Band 7: 5 MHz	2502.5 (20775)		2535 (21100)	2567.5 (21425)	
LTE Band 7: 10 MHz	2505 (20800)		2535 (21100)	2565 (21400)	
LTE Band 7: 15 MHz	2507.5 (20825)		2535 (21100)	2562.5 (21375)	
LTE Band 7: 20 MHz	2510 (20850)		2535 (21100)	2560 (21350)	
LTE Band 41: 5 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 10 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 15 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 20 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 48: 5 MHz	3552.5 (55265)	3600.8 (55748)	N/A	3649.2 (56232)	3697.5 (56715)
LTE Band 48: 10 MHz	3555 (55290)	3601.7 (55757)	N/A	3648.3 (56223)	3695 (56690)
LTE Band 48: 15 MHz	3557.5 (55315)	3602.5 (55765)	N/A	3647.5 (56215)	3692.5 (56665)
LTE Band 48: 20 MHz	3560 (55340)	3603.3 (55773)	N/A	3646.7 (56207)	3690 (56640)
UE Category	DL UE Cat 20, UL UE Cat 18				
Modulations Supported in UL	QPSK, 16QAM, 64QAM, 256QAM				
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3~6.2.5? (manufacturer attestation to be provided)	YES				
A-MPR (Additional MPR) disabled for SAR	YES				
LTE Carrier Aggregation Possible	The technical description includes all the possible carrier aggregation combinations				
LTE Additional Information	This device does not support full CA features on 3GPP Release 16. It supports carrier aggregation, downlink MIMO, LAA features as shown in the RF Conducted Powers section of this report and the Downlink LTE CA RF Conductive Powers Appendix. All uplink communications are identical to the Release 8 Specifications. The following LTE Release 15 Features are not supported: Carrier Aggregation, Relay, HetNet, Enhanced MIMO, eICIC, WIFI Offloading, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA.				

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NR Information						
Form Factor	Tablet					
Frequency Range of each NR transmission band	NR Band n71 (665.5 - 695.5 MHz) NR Band n12 (701.5 - 713.5 MHz) NR Band n14 (790.5 - 795.5 MHz) NR Band n26 (Cell) (816.5 - 846.5 MHz) NR Band n5 (Cell) (826.5 - 846.5 MHz) NR Band n70 (1697.5 - 1707.5 MHz) NR Band n66 (AWS) (1712.5 - 1777.5 MHz) NR Band n25 (PCS) (1852.5 - 1912.5 MHz) NR Band n2 (PCS) (1852.5 - 1907.5 MHz) NR Band n30 (2307.5 - 2312.5 MHz) NR Band n7 (2502.5 - 2567.5 MHz) NR Band n41 (2501.01 - 2685 MHz) NR Band n48 (3555.0 - 3694.98 MHz) NR Band n77 DoD (3455.01 - 3544.98 MHz) NR Band n77 C (3705.0 - 3975.0 MHz)						
Channel Bandwidths	NR Band n71: 5 MHz, 10 MHz, 15 MHz, 20 MHz NR Band n12: 5 MHz, 10 MHz, 15 MHz NR Band n14: 5 MHz, 10 MHz NR Band n26 (Cell): 5 MHz, 10 MHz, 15 MHz, 20 MHz NR Band n5 (Cell): 5 MHz, 10 MHz, 15 MHz, 20 MHz NR Band n70: 5 MHz, 10 MHz, 15 MHz NR Band n66 (AWS): 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz NR Band n25 (PCS): 5 MHz, 10 MHz, 15 MHz, 20 MHz, 30 MHz, 35 MHz, 40 MHz NR Band n2 (PCS): 5 MHz, 10 MHz, 15 MHz, 20 MHz NR Band n30: 5 MHz, 10 MHz NR Band n7: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz NR Band n41: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz NR Band n48: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz NR Band n77 DoD: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz NR Band n77 C: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz						
Channel Numbers and Frequencies (MHz)	Low	Low-Mid	Mid		Mid-High	High
NR Band n71: 5 MHz	665.5 (133100)		680.5 (136100)		695.5 (139100)	
NR Band n71: 10 MHz	668 (133600)		680.5 (136100)		693 (138600)	
NR Band n71: 15 MHz	670.5 (134100)		680.5 (136100)		690.5 (138100)	
NR Band n71: 20 MHz	673 (134600)		680.5 (136100)		688 (137600)	
NR Band n12: 5 MHz	701.5 (140300)		707.5 (141500)		713.5 (142700)	
NR Band n12: 10 MHz	704 (140800)		707.5 (141500)		711 (142200)	
NR Band n12: 15 MHz	706.5 (141300)		707.5 (141500)		708.5 (141700)	
NR Band n14: 5 MHz	790.5 (158100)		793 (158600)		795.5 (159100)	
NR Band n14: 10 MHz	N/A		793 (158600)		N/A	
NR Band n26 (Cell): 5 MHz	816.5 (163300)		831.5 (166300)		846.5 (169300)	
NR Band n26 (Cell): 10 MHz	819 (163800)		831.5 (166300)		844 (168800)	
NR Band n26 (Cell): 15 MHz	821.5 (164300)		831.5 (166300)		841.5 (168300)	
NR Band n26 (Cell): 20 MHz	N/A		831.5 (166300)		N/A	
NR Band n5 (Cell): 5 MHz	826.5 (165300)		836.5 (167300)		846.5 (169300)	
NR Band n5 (Cell): 10 MHz	829 (165800)		836.5 (167300)		844 (168800)	
NR Band n5 (Cell): 15 MHz	831.5 (166300)		836.5 (167300)		841.5 (168300)	
NR Band n5 (Cell): 20 MHz	834 (166800)		836.5 (167300)		839 (167800)	
NR Band n70: 5 MHz	1697.5 (339500)		1702.5 (340500)		1707.5 (341500)	
NR Band n70: 10 MHz	1700 (340000)		1702.5 (340500)		1705 (341000)	
NR Band n70: 15 MHz	N/A		1702.5 (340500)		N/A	
NR Band n66 (AWS): 5 MHz	1712.5 (342500)		1745 (349000)		1777.5 (355500)	
NR Band n66 (AWS): 10 MHz	1715 (343000)		1745 (349000)		1775 (355000)	
NR Band n66 (AWS): 15 MHz	1717.5 (343500)		1745 (349000)		1772.5 (354500)	
NR Band n66 (AWS): 20 MHz	1720 (344000)		1745 (349000)		1770 (354000)	
NR Band n66 (AWS): 25 MHz	1722.5 (344500)		1745 (349000)		1767.5 (353500)	
NR Band n66 (AWS): 30 MHz	1725 (345000)		1745 (349000)		1765 (353000)	
NR Band n66 (AWS): 35 MHz	1727.5 (345500)		1745 (349000)		1762.5 (352500)	
NR Band n66 (AWS): 40 MHz	1730 (346000)		1745 (349000)		1760 (352000)	
NR Band n25 (PCS): 5 MHz	1852.5 (370500)		1882.5 (376500)		1912.5 (382500)	
NR Band n25 (PCS): 10 MHz	1855 (371000)		1882.5 (376500)		1910 (382000)	
NR Band n25 (PCS): 15 MHz	1857.5 (371500)		1882.5 (376500)		1907.5 (381500)	
NR Band n25 (PCS): 20 MHz	1860 (372000)		1882.5 (376500)		1905 (381000)	
NR Band n25 (PCS): 30 MHz	1865 (373000)		1882.5 (376500)		1900 (380000)	
NR Band n25 (PCS): 35 MHz	1867.5 (373500)		1882.5 (376500)		1897.5 (379500)	
NR Band n25 (PCS): 40 MHz	1870 (374000)		1882.5 (376500)		1895 (379000)	
NR Band n2 (PCS): 5 MHz	1852.5 (370500)		1880 (376000)		1907.5 (381500)	
NR Band n2 (PCS): 10 MHz	1855 (371000)		1880 (376000)		1905 (381000)	
NR Band n2 (PCS): 15 MHz	1857.5 (371500)		1880 (376000)		1902.5 (380500)	
NR Band n2 (PCS): 20 MHz	1860 (372000)		1880 (376000)		1900 (380000)	
NR Band n30: 5 MHz	2307.5 (461500)		2310 (462000)		2312.5 (462500)	
NR Band n30: 10 MHz	N/A		2310 (462000)		N/A	
NR Band n7: 5 MHz	2502.5 (500500)		2535 (507000)		2567.5 (513500)	
NR Band n7: 10 MHz	2505 (501000)		2535 (507000)		2565 (513000)	
NR Band n7: 15 MHz	2507.5 (501500)		2535 (507000)		2562.5 (512500)	
NR Band n7: 20 MHz	2510 (502000)		2535 (507000)		2560 (512000)	
NR Band n7: 25 MHz	2512.5 (502500)		2535 (507000)		2557.5 (511500)	
NR Band n7: 30 MHz	2515 (503000)		2535 (507000)		2555 (511000)	
NR Band n7: 35 MHz	2517.5 (503500)		2535 (507000)		2552.5 (511500)	
NR Band n7: 40 MHz	2520 (504000)		2535 (507000)		2550 (510000)	
NR Band n41: 10 MHz	2501.01 (500202)	2547 (509400)	2592.99 (518598)		2639.01 (527802)	2685 (537000)
NR Band n41: 15 MHz	2503.5 (500700)	2548.26 (509652)	2592.99 (518598)		2637.75 (527550)	2682.48 (536496)
NR Band n41: 20 MHz	2506.02 (501204)	2549.49 (509898)	2592.99 (518598)		2636.49 (527298)	2679.99 (535998)
NR Band n41: 30 MHz	2511 (502200)	2552.01 (510402)	2592.99 (518598)		2634 (526800)	2674.98 (534996)
NR Band n41: 40 MHz	2516.01 (503202)	2567.34 (513468)	N/A		2618.67 (523734)	2670 (534000)
NR Band n41: 50 MHz	2521.02 (504204)		2592.99 (518598)		2664.99 (532998)	
NR Band n41: 60 MHz	2526 (505200)		2592.99 (518598)		2659.98 (531996)	
NR Band n41: 70 MHz	2531.01 (506202)		N/A		2655 (531000)	
NR Band n41: 80 MHz	2536.02 (507204)		N/A		2649.99 (529998)	
NR Band n41: 90 MHz	2541 (508200)		N/A		2644.98 (528996)	
NR Band n41: 100 MHz	2546.01 (509202)		2592.99 (518598)		2640 (528000)	
NR Band n48: 10 MHz	3555 (637000)	3601.68 (640112)	N/A		3648.33 (643222)	3694.98 (646332)
NR Band n48: 15 MHz	3557.52 (637168)	3602.49 (640166)	N/A		3647.49 (643166)	3692.49 (646166)
NR Band n48: 20 MHz	3560.01 (637334)	3603.33 (640222)	N/A		3646.68 (643112)	3690 (646000)
NR Band n48: 30 MHz	3565.02 (637668)	3605.01 (640334)	N/A		3645 (643000)	3684.99 (645666)
NR Band n48: 40 MHz	3570 (638000)	N/A	3624.99 (641666)		N/A	3679.98 (645332)
NR Band n77 DoD: 10 MHz	3455.01 (630334)		3500.01 (633334)		3544.98 (636332)	
NR Band n77 DoD: 15 MHz	3457.5 (630500)		3500.01 (633334)		3542.49 (636166)	
NR Band n77 DoD: 20 MHz	3460.02 (630668)		3500.01 (633334)		3540 (636000)	
NR Band n77 DoD: 30 MHz	3465 (631000)		3500.01 (633334)		3534.99 (635666)	
NR Band n77 DoD: 40 MHz	3470.01 (631334)		N/A		3529.98 (635332)	
NR Band n77 DoD: 50 MHz	3475.02 (631668)		N/A		3525 (635000)	
NR Band n77 DoD: 60 MHz	N/A		3500.01(633334)		N/A	
NR Band n77 DoD: 70 MHz	N/A		3500.01(633334)		N/A	
NR Band n77 DoD: 80 MHz	N/A		3500.01(633334)		N/A	
NR Band n77 DoD: 90 MHz	N/A		3500.01(633334)		N/A	
NR Band n77 DoD: 100 MHz	N/A		3500.01(633334)		N/A	
NR Band n77 C: 10 MHz	3705 (647000)	3759 (650600)	3813 (654200)	3867 (657800)	3921 (661400)	3975 (665000)
NR Band n77 C: 15 MHz	3707.52 (647168)	3760.5 (650700)	3813.51 (654234)	3866.49 (657766)	3919.5 (661300)	3972.48 (664832)
NR Band n77 C: 20 MHz	3710.01 (647334)	3762 (650800)	3813.99 (654266)	3866.01 (657734)	3918 (661200)	3969.99 (664666)
NR Band n77 C: 30 MHz	3715.02 (647668)	3765 (651000)	3815.01 (654334)	3864.99 (657666)	3915 (661000)	3964.98 (664332)
NR Band n77 C: 40 MHz	3720 (648000)	3768 (651200)	3816 (654400)	3864 (657600)	3912 (660800)	3960 (664000)
NR Band n77 C: 50 MHz	3725.01 (648334)	3782.49 (652166)	3840 (656000)		3897.51 (659834)	3954.99 (663666)
NR Band n77 C: 60 MHz	3730.02 (648668)	3803.34 (653556)	N/A	N/A	3876.66 (658444)	3949.98 (663332)
NR Band n77 C: 70 MHz	3735 (649000)	3804.99 (653666)	N/A		3875.01 (658334)	3945 (663000)
NR Band n77 C: 80 MHz	3740.01 (649334)	N/A	3840 (656000)		N/A	3939.99 (662666)
NR Band n77 C: 90 MHz	3745.02 (649668)	N/A	3840 (656000)		N/A	3934.98 (662332)
NR Band n77 C: 100 MHz	3750 (650000)	N/A	N/A	N/A	N/A	3930 (662000)
SCS for NR Band	15 kHz					
SCS for NR Band n41/n48/n77 DoD/n77 C	30 kHz					
Modulations Supported in UL	DFT-s-OFDM: π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM					
A-MPR (Additional MPR) disabled for SAR Testing?	YES					
EN-DC Carrier Aggregation Possible Combinations	The technical description includes all the possible carrier aggregation combinations					
LTE Anchor Bands for NR Band n71	LTE Band 66/2/7/48					
LTE Anchor Bands for NR Band n12	LTE Band 66/2/30/48					
LTE Anchor Bands for NR Band n14	LTE Band 66/2/30					
LTE Anchor Bands for NR Band n26 (Cell)	N/A					
LTE Anchor Bands for NR Band n5 (Cell)	LTE Band 66/2/30/7/48					
LTE Anchor Bands for NR Band n70	N/A					
LTE Anchor Bands for NR Band n66 (AWS)	LTE Band 71/12/13/14/5/2/30/7/48					
LTE Anchor Bands for NR Band n25 (PCS)	LTE Band 12/66/48					
LTE Anchor Bands for NR Band n2 (PCS)	LTE Band 12/13/14/5/66/48					
LTE Anchor Bands for NR Band n30	LTE Band 12/14/5/66					
LTE Anchor Bands for NR Band n7	LTE Band 12/5/66					
LTE Anchor Bands for NR Band n41	LTE Band 12/26/5/66/4/25/2					
LTE Anchor Bands for NR Band n48	LTE Band 71/13/5/66/2					
LTE Anchor Bands for NR Band n77 DoD	LTE Band 71/12/13/14/5/66/2/30/7/41					
LTE Anchor Bands for NR Band n77 C	LTE Band 71/12/13/14/5/66/2/30/7/41					

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3 INTRODUCTION

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

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

3.1 SAR Definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Equation 3-1).

Equation 3-1
SAR Mathematical Equation

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

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

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

where:

σ = conductivity of the tissue-simulating material (S/m)
ρ = mass density of the tissue-simulating material (kg/m^3)
E = Total RMS electric field strength (V/m)

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

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4 DOSIMETRIC ASSESSMENT

4.1 Measurement Procedure

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

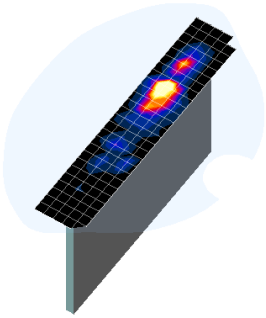

Figure 4-1
Sample SAR Area Scan

1. The SAR distribution at the exposed side of the head or body was measured at a distance no greater than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the device-head and body interface, and the horizontal grid resolution was determined per FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013.
2. The point SAR measurement was taken at the maximum SAR region determined from Step 1 to enable the monitoring of SAR fluctuations/drifts during the 1g/10g cube evaluation. SAR at this fixed point was measured and used as a reference value.
3. Based on the area scan data, the peak of the region with maximum SAR was determined by spline interpolation. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (see references or the DASY manual online for more details):

   a. SAR values at the inner surface of the phantom are extrapolated from the measured values along the line away from the surface with spacing no greater than that in Table 4-1. The extrapolation was based on a least-squares algorithm. A polynomial of the fourth order was calculated through the points in the z-axis (normal to the phantom shell).

   b. After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were obtained through interpolation, in order to calculate the averaged SAR.

   c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan was complete to calculate the SAR drift. If the drift deviated by more than 5%, the SAR test and drift measurements were repeated.

Table 4-1
Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04*

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

*Also compliant to IEEE 1528-2013 Table 6

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5 TEST CONFIGURATION POSITIONS

5.1 Device Holder

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

5.2 SAR Testing for Tablet per KDB Publication 616217 D04v01r02

Per FCC KDB Publication 616217 D04v01r02, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in KDB 447498 D04v01 can be applied to determine SAR test exclusion for adjacent edge configurations. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

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6 RF EXPOSURE LIMITS

6.1 Uncontrolled Environment

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

6.2 Controlled Environment

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

6.3 RF Exposure Limits for Frequencies below 6 GHz

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

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

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

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6.4 RF Exposure Limits for Frequencies above 6 GHz

Per §1.1310 (d)(3), the MPE limits are applied for frequencies above 6 GHz. Power Density is expressed in units of W/m^2 or mW/cm^2.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4 cm^2 per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes.

Table 6-2
Human Exposure Limits Specified in FCC 47 CFR §1.1310

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

Note: 1.0 mW/cm^2 is 10 W/m^2

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7 FCC MEASUREMENT PROCEDURES

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

7.1 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.

7.2 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.

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

7.4 SAR Measurement Conditions for UMTS

7.4.1 Output Power Verification

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

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7.4.2 Body SAR Measurements

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

7.4.3 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.

7.4.4 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.

7.4.5 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.

7.5 SAR Measurement Conditions for LTE

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

7.5.1 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.

7.5.2 MPR

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

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7.5.3 A-MPR

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

7.5.4 Required RB Size and RB Offsets for SAR Testing

According to FCC KDB 941225 D05v02r04:

a. Per Section 5.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth.
   i. The required channel and offset combination with the highest maximum output power is required for SAR.
   ii. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
   iii. When the reported SAR for a required test channel is > 1.45 W/kg, SAR is required for all RB offset configurations for that channel.
b. Per Section 5.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Section 5.2.1.
c. Per Section 5.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is < 0.8 W/kg.
d. Per Section 5.2.4 and 5.3, SAR tests for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sections 5.2.1 through 5.2.3 is less than or equal to ½ dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is <1.45 W/kg.

7.5.5 TDD

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

7.5.6 Downlink Only Carrier Aggregation

Conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance with KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for downlink only carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

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7.6 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.

7.6.1 General Device Setup

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

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

7.6.2 U-NII-1 and U-NII-2A

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

7.6.3 U-NII-2C and U-NII-3

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

7.6.4 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.

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2) When the reported SAR is > 0.8 W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel, i.e., all channels require testing.

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

7.6.5 OFDM Transmission Mode and SAR Test Channel Selection

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

7.6.6 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 (See Section 7.6.5). When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

7.6.7 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.

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7.6.8 MIMO SAR considerations

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

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8 RF CONDUCTED POWERS

All conducted power measurements for 3G/4G/5G Sub6 WWAN technologies and bands in this section were performed while the EUT transmits continuously at minimum (Plimit, maximum tune up output power Pmax).

8.1 UMTS P_{limit} Conducted Powers

Table 8-1
Measured P_{Limit} Antenna 1b

3GPP Release Version	Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	**12.22**	12.14	12.18	12.11	12.13	**12.26**	-
6	HSDPA	Subtest 1	11.58	11.49	11.57	11.21	11.20	11.30	0
6		Subtest 2	11.59	11.50	11.56	11.19	11.21	11.30	0
6		Subtest 3	11.11	11.02	11.04	10.70	10.72	10.81	0.5
6		Subtest 4	11.10	11.01	11.08	10.71	10.71	10.80	0.5
6	HSUPA	Subtest 1	11.58	11.49	11.56	11.19	11.17	11.28	0
6		Subtest 2	9.56	9.47	9.56	9.18	9.18	9.28	2
6		Subtest 3	10.57	10.48	10.55	10.16	10.17	10.27	1
6		Subtest 4	9.58	9.48	9.56	9.19	9.20	9.31	2
6		Subtest 5	11.60	11.49	11.57	11.20	11.19	11.31	0
8	DC-HSDPA	Subtest 1	11.57	11.49	11.54	11.17	11.16	11.26	0
8		Subtest 2	11.56	11.49	11.53	11.18	11.15	11.27	0
8		Subtest 3	10.97	10.98	11.06	10.64	10.67	10.75	0.5
8		Subtest 4	10.96	10.97	11.05	10.65	10.66	10.76	0.5

Table 8-2
Measured P_{Limit} Antenna 2

Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
		4132	4183	4233	1312	1412	1513	9262	9400	9538	
WCDMA	12.2 kbps RMC	18.95	**19.14**	19.12	**14.82**	14.77	14.81	**15.18**	15.10	15.12	-
HSDPA	Subtest 1	18.96	19.18	19.21	14.77	14.65	14.55	14.96	14.86	14.85	0
	Subtest 2	18.94	19.20	19.22	14.76	14.66	14.56	14.97	14.85	14.84	0
	Subtest 3	18.45	18.69	18.70	14.26	14.16	14.13	14.48	14.37	14.36	0.5
	Subtest 4	18.44	18.71	18.69	14.28	14.18	14.11	14.49	14.36	14.33	0.5
HSUPA	Subtest 1	18.94	19.23	19.20	14.76	14.68	14.57	14.98	14.88	14.87	0
	Subtest 2	16.97	17.22	17.21	12.73	12.67	12.58	12.96	12.87	12.85	2
	Subtest 3	17.96	18.22	18.22	13.74	13.69	13.58	13.97	13.87	13.84	1
	Subtest 4	16.95	17.20	17.24	12.76	12.68	12.54	12.97	12.86	12.85	2
	Subtest 5	18.95	19.24	19.22	14.76	14.69	14.56	14.96	14.88	14.86	0
DC-HSDPA	Subtest 1	18.87	19.12	19.16	14.61	14.57	14.41	14.95	14.82	14.78	0
	Subtest 2	18.89	19.13	19.17	14.60	14.58	14.40	14.96	14.83	14.80	0
	Subtest 3	18.38	18.61	18.67	14.11	14.06	13.91	14.46	14.31	14.30	0.5
	Subtest 4	18.37	18.63	18.68	14.12	14.07	13.92	14.47	14.32	14.29	0.5

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Table 8-3
Measured P_{Limit} Antenna 3b

Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
		1312	1412	1513	9262	9400	9538	
WCDMA	12.2 kbps RMC	11.38	11.39	**11.45**	**11.61**	11.57	11.52	-
HSDPA	Subtest 1	11.34	11.41	11.38	11.46	11.48	11.41	0
	Subtest 2	11.36	11.42	11.39	11.44	11.47	11.42	0
	Subtest 3	10.85	10.90	10.88	10.95	10.97	10.92	0.5
	Subtest 4	10.84	10.91	10.90	10.94	10.49	10.90	0.5
HSUPA	Subtest 1	11.32	11.38	11.43	11.45	11.48	11.43	0
	Subtest 2	9.61	9.39	9.42	9.46	9.49	9.44	2
	Subtest 3	10.59	10.40	10.42	10.45	10.48	10.41	1
	Subtest 4	9.60	9.41	9.43	9.44	9.46	9.45	2
	Subtest 5	11.61	11.39	11.42	11.46	11.49	11.45	0
DC-HSDPA	Subtest 1	11.32	11.43	11.41	11.46	11.48	11.41	0
	Subtest 2	11.33	11.41	11.39	11.47	11.47	11.42	0
	Subtest 3	10.84	10.92	10.92	10.95	10.98	10.90	0.5
	Subtest 4	10.82	10.93	10.90	10.96	10.99	10.91	0.5

Table 8-4
Measured P_{Limit} Antenna 4

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	19.2	19.34	**19.36**	14.60	14.44	**14.65**	12.71	**12.89**	12.87	-
6	HSDPA	Subtest 1	19.19	19.34	19.38	14.54	14.53	14.87	13.51	13.60	13.62	0
6		Subtest 2	19.18	19.34	19.39	14.58	14.57	14.91	13.49	13.60	13.62	0
6		Subtest 3	18.68	18.85	18.90	14.08	14.07	14.42	13.01	13.10	13.13	0.5
6		Subtest 4	18.67	18.84	18.90	14.08	14.06	14.42	13.01	13.09	13.11	0.5
6	HSUPA	Subtest 1	19.18	19.34	19.41	14.58	14.56	14.93	13.49	13.59	13.61	0
6		Subtest 2	17.17	17.34	17.40	12.56	12.54	12.91	11.46	11.57	11.59	2
6		Subtest 3	18.18	18.35	18.41	13.57	13.54	13.92	12.47	12.58	12.61	1
6		Subtest 4	17.19	17.36	17.40	12.56	12.53	12.92	11.48	11.60	11.62	2
6		Subtest 5	19.19	19.34	19.42	14.56	14.55	14.91	13.47	13.58	13.61	0
8	DC-HSDPA	Subtest 1	19.09	18.99	19.08	14.51	14.46	14.81	13.41	13.45	13.48	0
8		Subtest 2	19.11	18.98	19.06	14.50	14.48	14.79	13.40	13.44	13.46	0
8		Subtest 3	18.60	18.54	18.57	14.02	13.97	14.29	12.89	12.95	12.96	0.5
8		Subtest 4	18.61	18.54	18.58	14.01	13.98	14.30	12.90	12.94	12.95	0.5

DC-HSDPA considerations

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

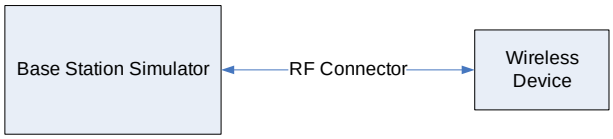

Figure 8-1
Power Measurement Setup

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8.2 LTE Conducted Powers

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

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.

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8.2.1 LTE Band 71

Table 8-5
LTE Band 71 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 133297 (680.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	20.71	0	0
	1	50	20.69		0
	1	99	**20.73**		0
	50	0	20.71	0-1	0
	50	25	**20.81**		0
	50	50	20.74		0
	100	0	20.70		0
16QAM	1	0	20.70	0-1	0
	1	50	20.75		0
	1	99	20.52		0
	50	0	20.47	0-2	0
	50	25	20.49		0
	50	50	20.39		0
	100	0	20.48		0
64QAM	1	0	20.54	0-2	0
	1	50	20.72		0
	1	99	20.48		0
	50	0	20.41	0-3	0
	50	25	20.44		0
	50	50	20.35		0
	100	0	20.42		0
256QAM	1	0	19.08	0-5	1.6
	1	50	18.99		1.6
	1	99	19.14		1.6
	50	0	18.92		1.6
	50	25	18.96		1.6
	50	50	18.92		1.6
	100	0	18.97		1.6

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Table 8-6
LTE Band 71 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 133297 (680.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	20.83	0	0
	1	50	**20.89**		0
	1	99	20.75		0
	50	0	20.83	0-1	0
	50	25	**20.90**		0
	50	50	20.85		0
	100	0	20.86		0
16QAM	1	0	20.57	0-1	0
	1	50	20.72		0
	1	99	20.55		0
	50	0	20.47	0-2	0
	50	25	20.44		0
	50	50	20.41		0
	100	0	20.44		0
64QAM	1	0	20.55	0-2	0
	1	50	20.66		0
	1	99	20.48		0
	50	0	20.48	0-3	0
	50	25	20.45		0
	50	50	20.45		0
	100	0	20.46		0
256QAM	1	0	20.11	0-5	0.3
	1	50	20.14		0.3
	1	99	20.12		0.3
	50	0	20.00		0.3
	50	25	19.95		0.3
	50	50	19.95		0.3
	100	0	19.95		0.3

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8.2.2 LTE Band 12

Table 8-7

LTE Band 12 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23095 (707.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	19.14	0	0
	1	25	19.09		0
	1	49	**19.21**		0
	25	0	19.13	0-1	0
	25	12	19.22		0
	25	25	**19.23**		0
	50	0	19.19		0
16QAM	1	0	19.13	0-1	0
	1	25	19.14		0
	1	49	19.15		0
	25	0	18.96	0-2	0
	25	12	19.03		0
	25	25	19.00		0
	50	0	19.03		0
64QAM	1	0	19.30	0-2	0
	1	25	19.16		0
	1	49	19.22		0
	25	0	18.97	0-3	0
	25	12	19.07		0
	25	25	19.01		0
	50	0	19.01		0
256QAM	1	0	18.96	0-5	0.2
	1	25	19.04		0.2
	1	49	19.04		0.2
	25	0	18.97		0.2
	25	12	19.02		0.2
	25	25	18.97		0.2
	50	0	18.99		0.2

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Table 8-8
LTE Band 12 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 12 10 MHz Bandwidth					
Modulation	**RB Size**	**RB Offset**	**Mid Channel** **23095** **(707.5 MHz)** **Conducted Power [dBm]**	**MPR Allowed per 3GPP [dB]**	**MPR [dB]**
QPSK	1	0	**19.49**	0	0
	1	25	19.21		0
	1	49	19.22		0
	25	0	**19.29**	0-1	0
	25	12	19.27		0
	25	25	19.24		0
	50	0	19.28		0
16QAM	1	0	19.49	0-1	0
	1	25	19.38		0
	1	49	19.44		0
	25	0	19.17	0-2	0
	25	12	19.15		0
	25	25	19.14		0
	50	0	19.15		0
64QAM	1	0	19.50	0-2	0
	1	25	19.38		0
	1	49	19.44		0
	25	0	19.22	0-3	0
	25	12	19.21		0
	25	25	19.15		0
	50	0	19.14		0
256QAM	1	0	19.32	0-5	0
	1	25	19.34		0
	1	49	19.31		0
	25	0	19.19		0
	25	12	19.17		0
	25	25	19.11		0
	50	0	19.16		0

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8.2.3 LTE Band 13

Table 8-9
LTE Band 13 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23230 (782.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	19.00	0	0
	1	25	**19.17**		0
	1	49	19.04		0
	25	0	19.18	0-1	0
	25	12	**19.19**		0
	25	25	19.11		0
	50	0	19.16		0
16QAM	1	0	19.01	0-1	0
	1	25	19.05		0
	1	49	19.04		0
	25	0	19.11	0-2	0
	25	12	19.10		0
	25	25	19.07		0
	50	0	19.05		0
64QAM	1	0	19.10	0-2	0
	1	25	19.18		0
	1	49	19.15		0
	25	0	19.10	0-3	0
	25	12	19.08		0
	25	25	19.01		0
	50	0	19.06		0
256QAM	1	0	18.39	0-5	0.7
	1	25	18.49		0.7
	1	49	18.37		0.7
	25	0	18.28		0.7
	25	12	18.41		0.7
	25	25	18.33		0.7
	50	0	18.49		0.7

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Table 8-10
LTE Band 13 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 13 10 MHz Bandwidth					
Modulation	**RB Size**	**RB Offset**	**Mid Channel** **23230** **(782.0 MHz)** **Conducted Power [dBm]**	**MPR Allowed per 3GPP [dB]**	**MPR [dB]**
QPSK	1	0	21.02	0	0
	1	25	**21.11**		0
	1	49	20.91		0
	25	0	21.07	0-1	0
	25	12	21.05		0
	25	25	**21.09**		0
	50	0	21.04		0
16QAM	1	0	21.26	0-1	0
	1	25	21.27		0
	1	49	21.22		0
	25	0	21.20	0-2	0
	25	12	21.28		0
	25	25	21.25		0
	50	0	21.13		0
64QAM	1	0	21.08	0-2	0
	1	25	21.15		0
	1	49	21.23		0
	25	0	21.16	0-3	0
	25	12	21.22		0
	25	25	21.20		0
	50	0	21.11		0
256QAM	1	0	20.40	0-5	0.6
	1	25	20.63		0.6
	1	49	20.59		0.6
	25	0	20.58		0.6
	25	12	20.58		0.6
	25	25	20.62		0.6
	50	0	20.63		0.6

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8.2.4 LTE Band 14

Table 8-11
LTE Band 14 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23330 (793.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	19.43	0	0
	1	25	**19.45**		0
	1	49	19.42		0
	25	0	19.44	0-1	0
	25	12	**19.54**		0
	25	25	19.51		0
	50	0	19.42		0
16QAM	1	0	19.31	0-1	0
	1	25	19.22		0
	1	49	19.20		0
	25	0	19.35	0-2	0
	25	12	19.45		0
	25	25	19.40		0
	50	0	19.33		0
64QAM	1	0	19.36	0-2	0
	1	25	19.30		0
	1	49	19.29		0
	25	0	19.39	0-3	0
	25	12	19.46		0
	25	25	19.40		0
	50	0	19.38		0
256QAM	1	0	19.17	0-5	0.7
	1	25	19.18		0.7
	1	49	19.01		0.7
	25	0	19.08		0.7
	25	12	19.14		0.7
	25	25	19.06		0.7
	50	0	19.04		0.7

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Table 8-12
LTE Band 14 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23330 (793.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	20.72	0	0
	1	25	**20.75**		0
	1	49	20.67		0
	25	0	20.80	0-1	0
	25	12	**20.87**		0
	25	25	20.86		0
	50	0	20.73		0
16QAM	1	0	20.99	0-1	0
	1	25	20.96		0
	1	49	21.01		0
	25	0	20.71	0-2	0
	25	12	20.77		0
	25	25	20.78		0
	50	0	20.75		0
64QAM	1	0	20.79	0-2	0
	1	25	20.72		0
	1	49	20.76		0
	25	0	20.62	0-3	0
	25	12	20.61		0
	25	25	20.70		0
	50	0	20.77		0
256QAM	1	0	19.99	0-5	1.1
	1	25	19.91		1.1
	1	49	19.82		1.1
	25	0	19.84		1.1
	25	12	19.92		1.1
	25	25	19.88		1.1
	50	0	19.89		1.1

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8.2.5 LTE Band 26

Table 8-13
LTE Band 26 (Cell) Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26740 (819.0 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 26990 (844.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	**19.55**	19.30	19.32	0	0
	1	25	19.29	19.27	19.22		0
	1	49	19.27	19.31	19.28		0
	25	0	19.29	19.27	19.20	0-1	0
	25	12	**19.48**	19.37	19.22		0
	25	25	19.25	19.22	19.28		0
	50	0	19.27	19.37	19.29		0
16QAM	1	0	19.65	19.59	19.32	0-1	0
	1	25	19.49	19.54	19.39		0
	1	49	19.51	19.55	19.40		0
	25	0	19.30	19.27	19.20	0-2	0
	25	12	19.39	19.37	19.21		0
	25	25	19.37	19.34	19.25		0
	50	0	19.35	19.30	19.19		0
64QAM	1	0	19.56	19.68	19.43	0-2	0
	1	25	19.61	19.64	19.37		0
	1	49	19.50	19.64	19.42		0
	25	0	19.26	19.25	19.22	0-3	0
	25	12	19.35	19.35	19.23		0
	25	25	19.34	19.30	19.26		0
	50	0	19.34	19.29	19.15		0
256QAM	1	0	19.20	19.22	19.21	0-5	0
	1	25	19.32	19.34	19.33		0
	1	49	19.29	19.27	19.37		0
	25	0	19.23	19.33	19.19		0
	25	12	19.24	19.15	19.14		0
	25	25	19.13	19.12	19.04		0
	50	0	19.16	19.15	19.06		0

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Table 8-14
LTE Band 26 (Cell) Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26740 (819.0 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 26990 (844.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	19.40	19.32	19.18	0	0
	1	25	19.30	19.31	19.24		0
	1	49	19.24	19.41	19.27		0
	25	0	19.29	19.25	19.13	0-1	0
	25	12	19.38	19.39	19.24		0
	25	25	19.37	19.30	19.19		0
	50	0	19.32	19.26	19.21		0
16QAM	1	0	19.18	19.45	19.14	0-1	0
	1	25	19.20	19.50	19.17		0
	1	49	19.17	19.37	19.14		0
	25	0	19.14	19.12	18.97	0-2	0
	25	12	19.23	19.20	19.05		0
	25	25	19.20	19.14	19.04		0
	50	0	19.17	19.15	18.94		0
64QAM	1	0	19.34	19.46	19.14	0-2	0
	1	25	19.24	19.51	19.13		0
	1	49	19.21	19.45	19.12		0
	25	0	19.13	19.12	18.97	0-3	0
	25	12	19.20	19.20	19.06		0
	25	25	19.19	19.18	19.01		0
	50	0	19.18	19.14	18.95		0
256QAM	1	0	19.28	19.42	19.28	0-5	0
	1	25	19.30	19.44	19.23		0
	1	49	19.15	19.46	19.16		0
	25	0	19.10	19.10	18.97		0
	25	12	19.22	19.21	19.08		0
	25	25	19.18	19.17	19.03		0
	50	0	19.18	19.16	18.96		0

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8.2.6 LTE Band 5

Table 8-15
LTE Band 5 (Cell) Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 5 (Cell) 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20525 (836.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	18.96	0	0
	1	25	19.15		0
	1	49	**19.21**		0
	25	0	19.00	0-1	0
	25	12	**19.11**		0
	25	25	19.07		0
	50	0	19.08		0
16QAM	1	0	19.24	0-1	0
	1	25	19.31		0
	1	49	19.27		0
	25	0	19.14	0-2	0
	25	12	19.29		0
	25	25	19.24		0
	50	0	19.24		0
64QAM	1	0	19.30	0-2	0
	1	25	19.27		0
	1	49	19.29		0
	25	0	19.19	0-3	0
	25	12	19.27		0
	25	25	19.27		0
	50	0	19.23		0
256QAM	1	0	18.77	0-5	0.2
	1	25	18.93		0.2
	1	49	18.97		0.2
	25	0	18.87		0.2
	25	12	18.91		0.2
	25	25	18.96		0.2
	50	0	18.81		0.2

Table 8-16
LTE Band 5 (Cell) Antenna 2 Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC								Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5B	LTE B5	10	20525	836.5	2525	881.5	QPSK	1	49	LTE B5	5	20597	843.7	2597	888.7	QPSK	1	0	19.17	19.21

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Table 8-17
LTE Band 5 (Cell) Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 5 (Cell) 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20525 (836.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	19.28	0	0
	1	25	**19.33**		0
	1	49	19.27		0
	25	0	19.34	0-1	0
	25	12	19.37		0
	25	25	**19.39**		0
	50	0	19.32		0
16QAM	1	0	19.32	0-1	0
	1	25	19.40		0
	1	49	19.31		0
	25	0	19.34	0-2	0
	25	12	19.35		0
	25	25	19.39		0
	50	0	19.32		0
64QAM	1	0	19.31	0-2	0
	1	25	19.41		0
	1	49	19.31		0
	25	0	19.35	0-3	0
	25	12	19.39		0
	25	25	19.37		0
	50	0	19.33		0
256QAM	1	0	19.33	0-5	0
	1	25	19.43		0
	1	49	19.42		0
	25	0	19.34		0
	25	12	19.35		0
	25	25	19.38		0
	50	0	19.33		0

Table 8-18
LTE Band 5 (Cell) Antenna 4 Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC								Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5B	LTE B5	10	20525	836.5	2525	881.5	QPSK	1	0	LTE B5	5	20453	829.3	2453	874.3	QPSK	1	24	19.15	19.28

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8.2.7 LTE Band 66

Table 8-19
LTE Band 66 (AWS) Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	12.36	**12.37**	12.31	0	0
	1	50	12.29	12.33	12.34		0
	1	99	12.33	12.31	12.28		0
	50	0	12.33	12.28	12.36	0-1	0
	50	25	12.35	**12.39**	12.33		0
	50	50	12.29	12.23	12.38		0
	100	0	12.33	12.34	12.32		0
16QAM	1	0	12.15	12.20	12.03	0-1	0
	1	50	12.21	12.28	12.21		0
	1	99	11.98	12.16	12.01		0
	50	0	12.04	11.98	12.03	0-2	0
	50	25	12.13	12.01	12.16		0
	50	50	12.08	11.94	12.14		0
	100	0	12.09	11.99	12.03		0
64QAM	1	0	12.36	12.18	12.21	0-2	0
	1	50	12.42	12.22	12.32		0
	1	99	12.29	12.14	12.22		0
	50	0	12.06	11.99	12.00	0-3	0
	50	25	12.16	12.02	12.11		0
	50	50	12.08	11.96	12.07		0
	100	0	12.09	11.97	12.00		0
256QAM	1	0	12.01	12.24	12.19	0-5	0
	1	50	12.12	12.28	12.26		0
	1	99	12.06	12.26	12.22		0
	50	0	11.96	12.02	12.03		0
	50	25	12.05	12.11	12.12		0
	50	50	12.02	12.06	12.08		0
	100	0	12.00	12.00	12.00		0

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Table 8-20
LTE Band 66 (AWS) Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.76	**14.79**	14.46	0	0
	1	50	14.68	14.69	14.39		0
	1	99	14.72	14.74	14.36		0
	50	0	14.79	14.76	14.59	0-1	0
	50	25	14.76	**14.87**	14.66		0
	50	50	14.73	14.72	14.57		0
	100	0	14.74	14.75	14.64		0
16QAM	1	0	14.78	14.69	14.55	0-1	0
	1	50	14.77	14.78	14.60		0
	1	99	14.72	14.56	14.33		0
	50	0	14.46	14.44	14.29	0-2	0
	50	25	14.60	14.51	14.36		0
	50	50	14.52	14.42	14.34		0
	100	0	14.56	14.47	14.29		0
64QAM	1	0	14.62	14.71	14.49	0-2	0
	1	50	14.75	14.63	14.31		0
	1	99	14.59	14.36	14.39		0
	50	0	14.40	14.42	14.20	0-3	0
	50	25	14.54	14.49	14.31		0
	50	50	14.45	14.41	14.21		0
	100	0	14.46	14.42	14.27		0
256QAM	1	0	14.66	14.70	14.43	0-5	0
	1	50	14.66	14.67	14.43		0
	1	99	14.56	14.46	14.45		0
	50	0	14.36	14.37	14.17		0
	50	25	14.47	14.52	14.28		0
	50	50	14.45	14.41	14.23		0
	100	0	14.40	14.41	14.24		0

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Table 8-21
LTE Band 66 (AWS) Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			132072 (1720.0 MHz)	132322 (1745.0 MHz)	132572 (1770.0 MHz)		
			Conducted Power [dBm]				
QPSK	1	0	11.52	**11.69**	11.33	0	0
	1	50	11.48	11.63	11.28		0
	1	99	11.54	11.61	11.26		0
	50	0	11.52	11.60	11.52	0-1	0
	50	25	11.55	**11.63**	11.55		0
	50	50	11.53	11.61	11.48		0
	100	0	11.60	11.54	11.47		0
16QAM	1	0	11.62	11.81	11.73	0-1	0
	1	50	11.58	11.70	11.71		0
	1	99	11.68	11.68	11.63		0
	50	0	11.45	11.48	11.40	0-2	0
	50	25	11.59	11.56	11.49		0
	50	50	11.58	11.48	11.46		0
	100	0	11.55	11.53	11.40		0
64QAM	1	0	11.40	11.63	11.43	0-2	0
	1	50	11.52	11.60	11.41		0
	1	99	11.50	11.51	11.35		0
	50	0	11.32	11.39	11.32	0-3	0
	50	25	11.42	11.44	11.32		0
	50	50	11.42	11.40	11.40		0
	100	0	11.42	11.44	11.31		0
256QAM	1	0	11.44	11.53	11.44	0-5	0
	1	50	11.57	11.52	11.43		0
	1	99	11.65	11.49	11.47		0
	50	0	11.32	11.42	11.33		0
	50	25	11.46	11.46	11.32		0
	50	50	11.42	11.45	11.38		0
	100	0	11.41	11.46	11.28		0

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Table 8-22
LTE Band 66 (AWS) Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.41	14.75	14.72	0	0
	1	50	14.50	**14.78**	14.73		0
	1	99	14.47	14.73	14.59		0
	50	0	14.60	14.69	14.68	0-1	0
	50	25	14.71	**14.82**	14.71		0
	50	50	14.70	14.76	14.74		0
	100	0	14.66	14.77	14.68		0
16QAM	1	0	14.62	14.82	14.66	0-1	0
	1	50	14.69	14.92	15.01		0
	1	99	14.70	14.85	14.61		0
	50	0	14.47	14.66	14.45	0-2	0
	50	25	14.58	14.72	14.53		0
	50	50	14.58	14.68	14.52		0
	100	0	14.60	14.63	14.45		0
64QAM	1	0	14.75	14.84	14.60	0-2	0
	1	50	15.04	15.09	14.70		0
	1	99	14.66	14.83	14.57		0
	50	0	14.50	14.65	14.53	0-3	0
	50	25	14.60	14.71	14.48		0
	50	50	14.59	14.68	14.53		0
	100	0	14.54	14.60	14.46		0
256QAM	1	0	14.67	14.95	14.71	0-5	0
	1	50	14.76	14.97	14.74		0
	1	99	14.66	14.79	14.50		0
	50	0	14.46	14.62	14.52		0
	50	25	14.59	14.73	14.49		0
	50	50	14.60	14.67	14.50		0
	100	0	14.58	14.60	14.46		0

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8.2.8 LTE Band 25

Table 8-23
LTE Band 25 (PCS) Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.79	11.92	**12.11**	0	0
	1	50	11.92	11.94	12.00		0
	1	99	11.89	11.92	11.96		0
	50	0	11.94	11.91	11.96	0-1	0
	50	25	11.92	11.93	12.01		0
	50	50	12.01	11.97	**12.02**		0
	100	0	11.91	11.92	12.00		0
16QAM	1	0	11.71	11.84	11.96	0-1	0
	1	50	11.80	11.97	12.11		0
	1	99	11.81	11.85	11.96		0
	50	0	11.68	11.65	11.70	0-2	0
	50	25	11.73	11.71	11.68		0
	50	50	11.70	11.74	11.73		0
	100	0	11.69	11.70	11.70		0
64QAM	1	0	11.81	11.74	12.00	0-2	0
	1	50	11.86	12.11	11.97		0
	1	99	11.87	11.93	11.81		0
	50	0	11.65	11.83	11.84	0-3	0
	50	25	11.77	11.97	11.88		0
	50	50	11.76	11.94	11.80		0
	100	0	11.73	11.88	11.86		0
256QAM	1	0	11.71	11.95	12.00	0-5	0
	1	50	12.00	12.11	12.12		0
	1	99	11.85	12.25	11.87		0
	50	0	11.65	11.80	11.80		0
	50	25	11.78	11.91	11.86		0
	50	50	11.79	11.91	11.77		0
	100	0	11.74	11.87	11.78		0

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Table 8-24
LTE Band 25 (PCS) Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.87	14.90	14.65	0	0
	1	50	**15.06**	14.99	14.71		0
	1	99	14.97	14.89	14.57		0
	50	0	15.00	14.97	14.84	0-1	0
	50	25	**15.11**	14.94	14.92		0
	50	50	15.07	14.96	14.87		0
	100	0	15.02	14.90	14.88		0
16QAM	1	0	14.82	14.95	14.72	0-1	0
	1	50	14.86	15.22	14.93		0
	1	99	14.75	14.92	14.68		0
	50	0	14.72	14.76	14.55	0-2	0
	50	25	14.82	14.76	14.52		0
	50	50	14.81	14.72	14.48		0
	100	0	14.76	14.75	14.50		0
64QAM	1	0	15.03	14.97	14.88	0-2	0
	1	50	15.36	15.08	15.04		0
	1	99	14.91	14.79	14.68		0
	50	0	14.86	14.84	14.67	0-3	0
	50	25	14.96	14.89	14.66		0
	50	50	14.96	14.79	14.52		0
	100	0	14.92	14.76	14.64		0
256QAM	1	0	14.81	15.05	14.83	0-5	0
	1	50	15.01	15.20	14.92		0
	1	99	15.01	14.99	14.69		0
	50	0	14.82	14.81	14.62		0
	50	25	14.95	14.91	14.66		0
	50	50	14.91	14.75	14.53		0
	100	0	14.88	14.81	14.67		0

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Table 8-25
LTE Band 25 (PCS) Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.84	12.00	11.96	0	0
	1	50	11.91	**12.13**	12.07		0
	1	99	11.79	11.99	12.01		0
	50	0	12.10	12.08	12.06	0-1	0
	50	25	12.12	**12.15**	12.14		0
	50	50	12.09	12.11	12.10		0
	100	0	12.07	12.12	12.10		0
16QAM	1	0	11.71	11.94	12.09	0-1	0
	1	50	11.79	11.98	12.23		0
	1	99	11.67	11.85	12.10		0
	50	0	11.66	11.72	11.83	0-2	0
	50	25	11.69	11.81	11.86		0
	50	50	11.73	11.83	11.98		0
	100	0	11.66	11.69	11.84		0
64QAM	1	0	11.85	12.02	12.09	0-2	0
	1	50	11.85	11.91	12.19		0
	1	99	11.76	12.09	12.28		0
	50	0	11.72	11.78	11.98	0-3	0
	50	25	11.81	11.83	12.03		0
	50	50	11.78	11.92	12.15		0
	100	0	11.80	11.78	12.02		0
256QAM	1	0	11.94	11.97	12.09	0-5	0
	1	50	12.06	12.10	12.34		0
	1	99	12.07	12.17	12.30		0
	50	0	11.67	11.76	11.96		0
	50	25	11.81	11.88	12.05		0
	50	50	11.73	11.91	12.13		0
	100	0	11.77	11.78	12.02		0

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Table 8-26
LTE Band 25 (PCS) Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	12.77	12.80	12.83	0	0
	1	50	12.98	**12.99**	12.98		0
	1	99	12.76	12.78	12.88		0
	50	0	13.03	**13.06**	12.95	0-1	0
	50	25	13.00	13.00	13.00		0
	50	50	13.05	13.03	12.99		0
	100	0	12.82	12.90	12.93		0
16QAM	1	0	13.41	13.35	13.37	0-1	0
	1	50	13.39	13.38	13.31		0
	1	99	13.29	13.21	13.16		0
	50	0	13.14	13.18	13.15	0-2	0
	50	25	13.15	13.09	13.12		0
	50	50	13.12	13.14	13.11		0
	100	0	13.16	13.09	13.19		0
64QAM	1	0	13.16	13.13	13.23	0-2	0
	1	50	13.31	13.29	13.39		0
	1	99	13.20	13.04	13.11		0
	50	0	13.01	12.98	12.99	0-3	0
	50	25	13.07	13.03	13.08		0
	50	50	13.06	13.07	13.04		0
	100	0	13.05	13.01	13.07		0
256QAM	1	0	13.11	13.01	13.27	0-5	0
	1	50	13.21	13.14	13.38		0
	1	99	13.39	13.15	13.26		0
	50	0	12.95	13.04	12.99		0
	50	25	13.09	13.12	13.07		0
	50	50	13.05	13.05	13.06		0
	100	0	13.03	13.03	13.07		0

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8.2.9 LTE Band 30

Table 8-27

LTE Band 30 Measured P_{Limit} Antenna 1b - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 27710 (2310.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	11.90	0	0
	1	25	11.99		0
	1	49	**12.01**		0
	25	0	11.96	0-1	0
	25	12	**12.03**		0
	25	25	11.97		0
	50	0	12.00		0
16QAM	1	0	12.05	0-1	0
	1	25	12.13		0
	1	49	12.07		0
	25	0	11.81	0-2	0
	25	12	11.91		0
	25	25	11.81		0
	50	0	11.82		0
64QAM	1	0	11.97	0-2	0
	1	25	12.01		0
	1	49	11.90		0
	25	0	11.79	0-3	0
	25	12	11.88		0
	25	25	11.80		0
	50	0	11.81		0
256QAM	1	0	11.96	0-5	0
	1	25	11.99		0
	1	49	12.01		0
	25	0	11.75		0
	25	12	11.81		0
	25	25	11.79		0
	50	0	11.75		0

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Table 8-28
LTE Band 30 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	**RB Size**	**RB Offset**	**Mid Channel** **27710** **(2310.0 MHz)** **Conducted Power [dBm]**	**MPR Allowed per 3GPP [dB]**	**MPR [dB]**
QPSK	1	0	11.98	0	0
	1	25	**12.04**		0
	1	49	11.95		0
	25	0	12.01	0-1	0
	25	12	**12.09**		0
	25	25	11.98		0
	50	0	11.99		0
16QAM	1	0	12.17	0-1	0
	1	25	12.19		0
	1	49	12.08		0
	25	0	11.90	0-2	0
	25	12	11.96		0
	25	25	11.84		0
	50	0	11.90		0
64QAM	1	0	12.10	0-2	0
	1	25	12.07		0
	1	49	12.03		0
	25	0	11.90	0-3	0
	25	12	11.94		0
	25	25	11.83		0
	50	0	11.88		0
256QAM	1	0	12.07	0-5	0
	1	25	12.17		0
	1	49	12.05		0
	25	0	11.90		0
	25	12	11.92		0
	25	25	11.82		0
	50	0	11.88		0

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Table 8-29
LTE Band 30 Measured P_{Limit} Antenna 3b - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	**RB Size**	**RB Offset**	**Mid Channel** **27710** **(2310.0 MHz)** **Conducted Power [dBm]**	**MPR Allowed per 3GPP [dB]**	**MPR [dB]**
QPSK	1	0	**12.25**	0	0
	1	25	12.24		0
	1	49	12.16		0
	25	0	12.29	0-1	0
	25	12	**12.31**		0
	25	25	12.28		0
	50	0	12.24		0
16QAM	1	0	12.45	0-1	0
	1	25	12.44		0
	1	49	12.43		0
	25	0	12.32	0-2	0
	25	12	12.29		0
	25	25	12.28		0
	50	0	12.25		0
64QAM	1	0	12.50	0-2	0
	1	25	12.51		0
	1	49	12.43		0
	25	0	12.33	0-3	0
	25	12	12.36		0
	25	25	12.34		0
	50	0	12.35		0
256QAM	1	0	12.35	0-5	0
	1	25	12.45		0
	1	49	12.43		0
	25	0	12.35		0
	25	12	12.40		0
	25	25	12.36		0
	50	0	12.34		0

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Table 8-30
LTE Band 30 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

LTE Band 30 10 MHz Bandwidth					
Modulation	**RB Size**	**RB Offset**	**Mid Channel** **27710** **(2310.0 MHz)** **Conducted Power [dBm]**	**MPR Allowed per 3GPP [dB]**	**MPR [dB]**
QPSK	1	0	13.16	0	0
	1	25	**13.25**		0
	1	49	13.14		0
	25	0	13.27	0-1	0
	25	12	**13.29**		0
	25	25	13.28		0
	50	0	13.23		0
16QAM	1	0	13.00	0-1	0
	1	25	13.05		0
	1	49	13.01		0
	25	0	12.77	0-2	0
	25	12	12.85		0
	25	25	12.82		0
	50	0	12.79		0
64QAM	1	0	12.90	0-2	0
	1	25	12.96		0
	1	49	12.92		0
	25	0	12.79	0-3	0
	25	12	12.81		0
	25	25	12.80		0
	50	0	12.78		0
256QAM	1	0	12.89	0-5	0
	1	25	12.96		0
	1	49	13.03		0
	25	0	12.78		0
	25	12	12.82		0
	25	25	12.81		0
	50	0	12.79		0

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8.2.10 LTE Band 7

Table 8-31
LTE Band 7 Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.49	11.74	11.75	0	0
	1	50	11.73	11.83	**11.86**		0
	1	99	11.48	11.69	11.74		0
	50	0	11.85	11.79	11.86	0-1	0
	50	25	11.73	11.85	**11.92**		0
	50	50	11.72	11.81	11.89		0
	100	0	11.70	11.82	11.84		0
16QAM	1	0	11.92	11.95	12.04	0-1	0
	1	50	12.19	12.09	12.18		0
	1	99	11.84	12.05	12.06		0
	50	0	11.95	11.86	11.86	0-2	0
	50	25	11.88	11.87	11.92		0
	50	50	11.86	11.86	11.96		0
	100	0	11.87	11.86	11.92		0
64QAM	1	0	11.98	12.01	12.06	0-2	0
	1	50	12.04	12.07	12.22		0
	1	99	11.91	12.01	12.11		0
	50	0	11.96	11.85	11.91	0-3	0
	50	25	11.87	11.86	11.94		0
	50	50	11.84	11.85	11.92		0
	100	0	11.83	11.86	11.91		0
256QAM	1	0	12.01	11.94	12.10	0-5	0
	1	50	12.03	12.21	12.19		0
	1	99	11.94	11.95	12.11		0
	50	0	11.94	11.85	11.89		0
	50	25	11.85	11.86	11.94		0
	50	50	11.84	11.85	11.93		0
	100	0	11.86	11.85	11.91		0

Table 8-32
LTE Band 7 Antenna 1b Uplink Carrier Aggregation Measured P_{Limit}

	PCC										SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_7C	LTE B7	20	20850	2510.0	2850	2630.0	QPSK	1	99	LTE B7	20	21048	2529.8	3048	2649.8	QPSK	1	0	11.49	11.48

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Table 8-33
LTE Band 7 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.35	11.12	11.21	0	0
	1	50	**11.47**	11.18	11.32		0
	1	99	11.34	11.04	11.23		0
	50	0	**11.53**	11.39	11.31	0-1	0
	50	25	11.46	11.41	11.36		0
	50	50	11.41	11.36	11.29		0
	100	0	11.43	11.40	11.33		0
16QAM	1	0	11.55	11.57	11.56	0-1	0
	1	50	11.67	11.78	11.64		0
	1	99	11.57	11.57	11.59		0
	50	0	11.53	11.44	11.38	0-2	0
	50	25	11.53	11.43	11.39		0
	50	50	11.43	11.33	11.33		0
	100	0	11.51	11.39	11.36		0
64QAM	1	0	11.55	11.57	11.42	0-2	0
	1	50	11.64	11.48	11.44		0
	1	99	11.51	11.40	11.43		0
	50	0	11.56	11.42	11.37	0-3	0
	50	25	11.54	11.40	11.41		0
	50	50	11.45	11.37	11.34		0
	100	0	11.53	11.38	11.36		0
256QAM	1	0	11.64	11.53	11.46	0-5	0
	1	50	11.59	11.48	11.45		0
	1	99	11.58	11.52	11.45		0
	50	0	11.53	11.40	11.34		0
	50	25	11.56	11.44	11.37		0
	50	50	11.48	11.36	11.31		0
	100	0	11.58	11.40	11.38		0

Table 8-34
LTE Band 7 Antenna 2 Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC								Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_7C	LTE B7	20	21100	2535.0	3100	2655.0	QPSK	1	99	LTE B7	20	21298	2554.8	3298	2674.8	QPSK	1	0	11.04	11.04

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Table 8-35
LTE Band 7 Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.40	11.36	11.10	0	0
	1	50	11.34	**11.47**	11.18		0
	1	99	11.27	11.38	11.14		0
	50	0	11.35	11.40	11.43	0-1	0
	50	25	11.41	**11.49**	11.45		0
	50	50	11.34	11.42	11.36		0
	100	0	11.37	11.42	11.41		0
16QAM	1	0	11.51	11.57	11.60	0-1	0
	1	50	11.55	11.80	11.67		0
	1	99	11.51	11.55	11.65		0
	50	0	11.52	11.47	11.43	0-2	0
	50	25	11.46	11.46	11.40		0
	50	50	11.45	11.37	11.38		0
	100	0	11.42	11.45	11.42		0
64QAM	1	0	11.48	11.64	11.60	0-2	0
	1	50	11.55	11.65	11.70		0
	1	99	11.57	11.54	11.64		0
	50	0	11.52	11.48	11.44	0-3	0
	50	25	11.43	11.45	11.42		0
	50	50	11.42	11.40	11.37		0
	100	0	11.41	11.45	11.43		0
256QAM	1	0	11.53	11.54	11.56	0-5	0
	1	50	11.55	11.61	11.72		0
	1	99	11.54	11.59	11.57		0
	50	0	11.52	11.46	11.46		0
	50	25	11.43	11.44	11.44		0
	50	50	11.44	11.39	11.36		0
	100	0	11.44	11.46	11.42		0

Table 8-36
LTE Band 7 Antenna 3b Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_7C	LTE B7	20	20850	2510.0	2850	2630.0	QPSK	1	99	LTE B7	20	21048	2529.8	3048	2649.8	QPSK	1	0	11.23	11.27

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Table 8-37
LTE Band 7 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.48	10.63	10.58	0	0
	1	50	10.55	**10.72**	10.68		0
	1	99	10.47	10.59	10.63		0
	50	0	**10.78**	10.68	10.66	0-1	0
	50	25	10.77	10.71	10.73		0
	50	50	10.70	10.70	10.75		0
	100	0	10.71	10.65	10.69		0
16QAM	1	0	10.88	10.83	10.75	0-1	0
	1	50	10.90	10.95	10.87		0
	1	99	10.78	10.84	10.75		0
	50	0	10.82	10.78	10.61	0-2	0
	50	25	10.81	10.72	10.63		0
	50	50	10.73	10.67	10.49		0
	100	0	10.73	10.75	10.58		0
64QAM	1	0	10.76	10.83	10.67	0-2	0
	1	50	10.91	10.81	10.67		0
	1	99	10.78	10.71	10.52		0
	50	0	10.75	10.72	10.57	0-3	0
	50	25	10.77	10.71	10.59		0
	50	50	10.72	10.66	10.51		0
	100	0	10.73	10.70	10.58		0
256QAM	1	0	10.93	10.87	10.73	0-5	0
	1	50	10.93	10.78	10.62		0
	1	99	10.91	10.75	10.64		0
	50	0	10.78	10.71	10.56		0
	50	25	10.84	10.75	10.60		0
	50	50	10.76	10.63	10.49		0
	100	0	10.74	10.74	10.55		0

Table 8-38
LTE Band 7 Antenna 4 Uplink Carrier Aggregation Measured P_{Limit}

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_7C	LTE B7	20	21350	2560.0	3350	2680.0	QPSK	1	0	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	1	99	10.48	10.58

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8.2.11 LTE Band 41

Table 8-39
LTE Band 41 PC3 Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	12.78	12.79	12.82	12.66	12.64	0	0
	1	50	12.85	**12.92**	12.88	12.70	12.68		0
	1	99	12.77	12.74	12.79	12.77	12.67		0
	50	0	12.95	12.93	12.94	12.72	12.73	0-1	0
	50	25	12.98	**12.99**	12.98	12.73	12.81		0
	50	50	12.89	12.91	12.87	12.69	12.74		0
	100	0	12.87	12.91	12.90	12.75	12.74		0
16QAM	1	0	13.31	13.12	13.08	13.03	12.94	0-1	0
	1	50	13.37	13.25	13.16	13.10	13.02		0
	1	99	13.23	13.00	13.12	12.96	13.08		0
	50	0	13.30	13.15	13.13	12.92	13.03	0-2	0
	50	25	13.22	13.18	13.18	12.96	13.08		0
	50	50	13.23	13.14	13.07	12.93	13.04		0
	100	0	13.22	13.19	13.13	12.98	13.09		0
64QAM	1	0	13.32	13.12	13.13	12.87	12.88	0-2	0
	1	50	13.40	13.31	13.19	12.99	13.05		0
	1	99	13.22	12.99	13.02	13.05	13.20		0
	50	0	13.29	13.15	13.15	12.94	13.07	0-3	0
	50	25	13.23	13.19	13.16	13.00	13.07		0
	50	50	13.24	13.12	13.07	12.95	13.06		0
	100	0	13.21	13.16	13.14	12.98	13.09		0
256QAM	1	0	13.28	13.17	13.04	12.93	13.02	0-5	0
	1	50	13.28	13.17	13.09	13.04	12.98		0
	1	99	13.24	12.98	13.03	13.11	13.00		0
	50	0	13.29	13.16	13.13	12.92	13.04		0
	50	25	13.23	13.18	13.16	12.99	13.06		0
	50	50	13.23	13.10	13.06	12.94	13.05		0
	100	0	13.22	13.20	13.13	12.99	13.06		0

Table 8-40
LTE Band 41 PC3 Antenna 1b Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41	20	41055	2636.5	QPSK	50	0	LTE B41	20	40857	2616.7	QPSK	50	50	13.30	12.72

Table 8-41
LTE Band 41 PC2 Measured P_{Limit} Antenna 1b - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	14.98	14.90	15.08	14.82	14.93	0	0
	1	50	14.95	15.05	**15.15**	14.94	15.08		0
	1	99	15.06	14.92	15.12	14.91	15.07		0
	50	0	15.16	15.11	15.12	14.85	14.92	0-1	0
	50	25	15.09	15.09	**15.18**	14.89	15.01		0
	50	50	15.11	15.10	15.09	14.88	14.95		0
	100	0	15.03	15.07	15.08	15.00	14.96		0

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Table 8-42
LTE Band 41 PC2 Antenna 1b Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41 PC2	20	41055	2636.5	QPSK	50	0	LTE B41 PC2	20	40857	2616.7	QPSK	50	50	15.06	14.85

Table 8-43
LTE Band 41 PC3 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	14.40	14.22	14.28	14.19	14.15	0	0
	1	50	14.41	**14.51**	14.32	14.28	14.20		0
	1	99	14.39	14.21	14.39	14.37	14.26		0
	50	0	14.45	14.47	14.36	14.31	14.24	0-1	0
	50	25	14.46	**14.59**	14.42	14.40	14.31		0
	50	50	14.43	14.33	14.35	14.33	14.24		0
	100	0	14.39	14.47	14.38	14.33	14.22		0
16QAM	1	0	14.39	14.01	14.05	13.96	13.85	0-1	0
	1	50	14.33	14.19	14.04	14.01	13.95		0
	1	99	14.29	13.93	14.05	13.97	13.99		0
	50	0	14.40	14.17	14.06	14.03	14.03	0-2	0
	50	25	14.38	14.14	14.08	14.06	14.05		0
	50	50	14.27	14.04	14.02	13.99	14.00		0
	100	0	14.35	14.13	14.09	14.05	14.04		0
64QAM	1	0	14.22	13.91	13.91	14.06	13.88	0-2	0
	1	50	14.36	13.96	13.99	14.03	14.08		0
	1	99	14.18	13.88	14.02	14.03	13.99		0
	50	0	14.39	14.18	14.08	14.04	14.02	0-3	0
	50	25	14.38	14.18	14.11	14.08	14.06		0
	50	50	14.30	14.04	14.02	14.00	14.03		0
	100	0	14.39	14.12	14.09	14.05	14.09		0
256QAM	1	0	14.20	13.81	13.71	13.83	13.90	0-5	0
	1	50	14.21	13.80	13.71	13.85	13.92		0
	1	99	14.07	13.78	13.85	13.84	14.02		0
	50	0	14.26	13.97	13.91	13.93	13.96		0
	50	25	14.19	14.00	13.93	13.97	13.99		0
	50	50	14.17	13.87	13.87	13.90	13.95		0
	100	0	14.17	13.94	13.93	13.94	14.01		0

Table 8-44
LTE Band 41 PC3 Antenna 2 Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41	20	39750	2506.0	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	14.66	14.39

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Table 8-45
LTE Band 41 PC2 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	15.87	15.92	15.77	15.83	15.86	0	0
	1	50	15.93	**15.97**	15.83	15.92	15.94		0
	1	99	15.91	15.86	15.81	15.89	15.95		0
	50	0	**16.05**	15.96	15.90	15.95	15.90	0-1	0
	50	25	16.02	15.98	15.95	16.02	15.93		0
	50	50	15.98	15.89	15.86	15.94	15.84		0
	100	0	15.96	15.95	15.91	**15.97**	15.90		0

Table 8-46
LTE Band 41 PC2 Antenna 2 Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41 PC2	20	39750	2506.0	QPSK	1	99	LTE B41 PC2	20	39948	2525.8	QPSK	1	0	16.07	15.91

Table 8-47
LTE Band 41 PC3 Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.95	13.98	14.01	13.82	13.92	0	0
	1	50	14.06	**14.13**	14.08	13.91	14.07		0
	1	99	13.94	13.95	14.02	13.94	14.03		0
	50	0	14.12	14.13	14.12	13.97	14.10	0-1	0
	50	25	14.07	**14.16**	14.15	14.06	14.15		0
	50	50	14.04	14.09	14.06	13.98	14.09		0
	100	0	14.02	14.12	14.10	13.98	14.11		0
16QAM	1	0	14.24	14.18	14.12	14.06	13.92	0-1	0
	1	50	14.35	14.26	14.37	14.33	14.08		0
	1	99	14.10	14.07	14.11	14.05	13.91		0
	50	0	14.17	14.20	14.23	14.01	14.02	0-2	0
	50	25	14.18	14.11	14.24	14.05	14.05		0
	50	50	14.13	14.11	14.16	14.14	13.98		0
	100	0	14.17	14.12	14.14	14.04	14.02		0
64QAM	1	0	14.03	13.98	14.10	13.90	14.05	0-2	0
	1	50	14.07	13.93	14.08	14.07	13.92		0
	1	99	13.94	13.96	14.00	13.96	14.06		0
	50	0	14.15	14.16	14.16	14.03	14.02	0-3	0
	50	25	14.16	14.07	14.20	14.05	14.07		0
	50	50	14.11	14.11	14.09	14.02	13.97		0
	100	0	14.15	14.05	14.10	14.02	14.01		0
256QAM	1	0	14.16	14.00	14.10	14.03	13.85	0-5	0
	1	50	14.09	14.08	14.13	14.03	13.84		0
	1	99	14.04	14.04	14.07	14.04	13.88		0
	50	0	14.12	14.13	14.16	14.04	13.97		0
	50	25	14.16	14.11	14.18	14.08	14.00		0
	50	50	14.08	14.07	14.12	13.98	13.96		0
	100	0	14.12	14.06	14.09	14.05	14.01		0

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Table 8-48
LTE Band 41 PC3 Antenna 3b Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41	20	39750	2506.0	QPSK	50	50	LTE B41	20	39948	2525.8	QPSK	50	0	14.03	14.04

Table 8-49
LTE Band 41 PC2 Measured P_{Limit} Antenna 3b - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	15.78	15.69	15.88	15.54	15.70	0	0
	1	50	15.85	15.78	**15.90**	15.61	15.81		0
	1	99	15.74	15.70	15.89	15.64	15.85		0
	50	0	15.81	15.83	15.87	15.68	15.80	0-1	0
	50	25	15.78	15.85	**15.93**	15.71	15.87		0
	50	50	15.73	15.77	15.81	15.65	15.85		0
	100	0	15.71	15.80	15.87	15.68	15.87		0

Table 8-50
LTE Band 41 PC2 Antenna 3b Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41 PC2	20	39750	2506.0	QPSK	50	50	LTE B41 PC2	20	39948	2525.8	QPSK	50	0	15.88	15.73

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Table 8-51
LTE Band 41 PC3 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	12.65	12.52	12.47	12.51	12.44	0	0
	1	50	12.68	**12.69**	12.57	12.57	12.53		0
	1	99	12.63	12.49	12.62	12.59	12.50		0
	50	0	12.74	12.66	12.60	12.63	12.52	0-1	0
	50	25	12.72	**12.75**	12.68	12.66	12.55		0
	50	50	12.71	12.62	12.61	12.61	12.49		0
	100	0	12.67	12.68	12.66	12.64	12.54		0
16QAM	1	0	12.65	12.49	12.36	12.52	12.41	0-1	0
	1	50	12.67	12.40	12.38	12.41	12.47		0
	1	99	12.47	12.35	12.52	12.51	12.32		0
	50	0	12.69	12.49	12.45	12.52	12.35	0-2	0
	50	25	12.64	12.54	12.51	12.56	12.42		0
	50	50	12.62	12.42	12.42	12.50	12.33		0
	100	0	12.63	12.50	12.47	12.50	12.38		0
64QAM	1	0	12.57	12.28	12.22	12.35	12.19	0-2	0
	1	50	12.78	12.53	12.35	12.55	12.24		0
	1	99	12.53	12.37	12.50	12.44	12.36		0
	50	0	12.69	12.50	12.44	12.49	12.35	0-3	0
	50	25	12.64	12.50	12.48	12.53	12.40		0
	50	50	12.60	12.40	12.40	12.41	12.32		0
	100	0	12.57	12.44	12.45	12.47	12.37		0
256QAM	1	0	12.70	12.39	12.43	12.31	12.26	0-5	0
	1	50	12.76	12.51	12.56	12.46	12.23		0
	1	99	12.57	12.41	12.45	12.34	12.15		0
	50	0	12.67	12.49	12.42	12.46	12.38		0
	50	25	12.67	12.50	12.47	12.51	12.41		0
	50	50	12.57	12.41	12.39	12.42	12.30		0
	100	0	12.60	12.47	12.45	12.49	12.41		0

Table 8-52
LTE Band 41 PC3 Antenna 4 Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41	20	41490	2680.0	QPSK	50	0	LTE B41	20	41292	2660.2	QPSK	50	50	12.43	12.52

Table 8-53
LTE Band 41 PC2 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.24	14.17	14.12	14.28	14.07	0	0
	1	50	**14.35**	14.26	14.22	14.32	14.08		0
	1	99	14.31	14.14	14.23	14.34	14.10		0
	50	0	14.42	14.38	14.26	14.30	14.15	0-1	0
	50	25	14.38	**14.43**	14.32	14.34	14.22		0
	50	50	14.38	14.31	14.25	14.28	14.12		0
	100	0	**14.35**	**14.36**	14.25	14.31	14.17		0

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Table 8-54
LTE Band 41 PC2 Antenna 4 Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C	LTE B41 PC2	20	41490	2680.0	QPSK	50	0	LTE B41 PC2	20	41292	2660.2	QPSK	50	50	14.19	14.15

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8.2.12 LTE Band 48

Table 8-55
LTE Band 48 Measured P_{Limit} Antenna 1a - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	10.84	10.78	10.74	10.70	0	0
	1	50	**11.00**	10.92	10.84	10.81		0
	1	99	10.93	10.83	10.68	10.64		0
	50	0	11.01	11.00	10.89	10.84	0-1	0
	50	25	**11.09**	11.05	10.94	10.88		0
	50	50	11.05	11.01	10.90	10.83		0
	100	0	10.99	10.98	10.91	10.82		0
16QAM	1	0	11.27	11.09	11.15	11.13	0-1	0
	1	50	11.34	11.26	11.27	11.14		0
	1	99	11.30	11.14	11.02	10.99		0
	50	0	11.23	11.22	11.22	11.11	0-2	0
	50	25	11.24	11.26	11.26	11.10		0
	50	50	11.24	11.23	11.13	11.07		0
	100	0	11.26	11.23	11.23	11.09		0
64QAM	1	0	11.36	11.20	11.25	11.19	0-2	0
	1	50	11.37	11.33	11.25	11.23		0
	1	99	11.38	11.27	11.27	11.09		0
	50	0	11.38	11.38	11.39	11.31	0-3	0
	50	25	11.41	11.39	11.42	11.30		0
	50	50	11.38	11.41	11.41	11.28		0
	100	0	11.38	11.40	11.41	11.30		0
256QAM	1	0	11.30	11.25	11.25	11.36	0-5	0
	1	50	11.36	11.22	11.27	11.28		0
	1	99	11.42	11.32	11.26	11.30		0
	50	0	11.36	11.33	11.37	11.29		0
	50	25	11.41	11.37	11.38	11.31		0
	50	50	11.38	11.35	11.39	11.29		0
	100	0	11.36	11.36	11.38	11.29		0

Table 8-56
LTE Band 48 Antenna 1a Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	56207	3646.7	QPSK	50	0	LTE B48	20	56009	3626.9	QPSK	50	50	10.79	10.89

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Table 8-57
LTE Band 48 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55340 (3560.0 MHz)	Low-Mid Channel 55773 (3603.3 MHz)	Mid-High Channel 56207 (3646.7 MHz)	High Channel 56640 (3690.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	10.93	11.05	11.10	10.94	0	0
	1	50	11.14	**11.21**	11.16	11.00		0
	1	99	11.07	11.12	11.04	10.83		0
	50	0	11.08	11.11	11.25	11.07	0-1	0
	50	25	11.20	**11.28**	11.26	11.10		0
	50	50	11.22	11.27	11.24	11.06		0
	100	0	11.16	11.20	11.19	11.07		0
16QAM	1	0	11.22	11.38	11.46	11.23	0-1	0
	1	50	11.34	11.47	11.54	11.33		0
	1	99	11.27	11.44	11.45	11.21		0
	50	0	11.05	11.20	11.35	11.16	0-2	0
	50	25	11.17	11.32	11.36	11.18		0
	50	50	11.17	11.31	11.34	11.16		0
	100	0	11.15	11.29	11.36	11.15		0
64QAM	1	0	11.16	11.31	11.47	11.24	0-2	0
	1	50	11.34	11.43	11.59	11.20		0
	1	99	11.20	11.50	11.40	11.21		0
	50	0	11.05	11.18	11.35	11.15	0-3	0
	50	25	11.18	11.30	11.37	11.19		0
	50	50	11.15	11.29	11.35	11.15		0
	100	0	11.13	11.28	11.35	11.13		0
256QAM	1	0	11.21	11.36	11.45	11.26	0-5	0
	1	50	11.29	11.51	11.53	11.28		0
	1	99	11.28	11.43	11.37	11.17		0
	50	0	11.03	11.20	11.35	11.15		0
	50	25	11.18	11.31	11.37	11.16		0
	50	50	11.16	11.32	11.34	11.16		0
	100	0	11.15	11.29	11.32	11.13		0

Table 8-58
LTE Band 48 Antenna 2 Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	55340	3560.0	QPSK	1	99	LTE B48	20	55538	3579.8	QPSK	1	0	11.14	11.07

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Table 8-59
LTE Band 48 Measured P_{Limit} Antenna 3a - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	10.95	10.94	10.94	10.83	0	0
	1	50	**11.08**	11.07	10.98	10.87		0
	1	99	11.02	11.06	10.83	10.73		0
	50	0	11.06	11.13	10.95	10.83	0-1	0
	50	25	**11.18**	11.15	10.99	10.88		0
	50	50	11.17	11.12	11.00	10.86		0
	100	0	11.07	11.06	10.95	10.93		0
16QAM	1	0	11.25	11.06	11.01	10.87	0-1	0
	1	50	11.23	11.20	11.01	10.94		0
	1	99	11.19	11.11	10.95	10.88		0
	50	0	11.14	10.96	10.81	10.71	0-2	0
	50	25	11.15	11.00	10.82	10.74		0
	50	50	11.05	10.94	10.88	10.82		0
	100	0	11.10	10.94	10.80	10.73		0
64QAM	1	0	11.21	11.04	11.02	10.84	0-2	0
	1	50	11.30	11.20	11.14	10.97		0
	1	99	11.14	11.11	10.95	10.91		0
	50	0	11.12	10.97	10.80	10.71	0-3	0
	50	25	11.10	10.98	10.82	10.76		0
	50	50	11.02	10.92	10.90	10.82		0
	100	0	11.12	10.99	10.78	10.73		0
256QAM	1	0	11.24	11.08	11.00	10.84	0-5	0
	1	50	11.32	11.17	11.00	10.94		0
	1	99	11.17	11.03	10.96	10.92		0
	50	0	11.10	10.98	10.82	10.71		0
	50	25	11.09	11.00	10.82	10.73		0
	50	50	11.03	10.94	10.87	10.80		0
	100	0	11.09	10.98	10.77	10.73		0

Table 8-60
LTE Band 48 Antenna 3a Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	56207	3646.7	QPSK	50	50	LTE B48	20	56405	3666.5	QPSK	50	0	10.92	11.00

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Table 8-61
LTE Band 48 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	11.87	12.06	12.10	12.01	0	0
	1	50	12.03	**12.25**	12.21	12.08		0
	1	99	11.98	12.19	12.07	11.97		0
	50	0	12.02	12.21	12.13	12.09	0-1	0
	50	25	12.15	**12.34**	12.13	12.12		0
	50	50	12.13	12.33	12.14	12.25		0
	100	0	12.10	12.24	12.18	12.04		0
16QAM	1	0	12.54	12.55	12.46	12.42	0-1	0
	1	50	12.66	12.62	12.58	12.41		0
	1	99	12.66	12.65	12.45	12.32		0
	50	0	12.43	12.47	12.42	12.24	0-2	0
	50	25	12.46	12.51	12.41	12.27		0
	50	50	12.45	12.50	12.39	12.27		0
	100	0	12.41	12.49	12.39	12.26		0
64QAM	1	0	12.53	12.52	12.52	12.43	0-2	0
	1	50	12.60	12.67	12.52	12.41		0
	1	99	12.65	12.52	12.46	12.39		0
	50	0	12.44	12.47	12.38	12.25	0-3	0
	50	25	12.45	12.48	12.41	12.29		0
	50	50	12.46	12.51	12.41	12.28		0
	100	0	12.41	12.50	12.40	12.27		0
256QAM	1	0	12.56	12.50	12.53	12.41	0-5	0
	1	50	12.66	12.65	12.49	12.43		0
	1	99	12.64	12.52	12.47	12.38		0
	50	0	12.41	12.46	12.40	12.27		0
	50	25	12.46	12.48	12.38	12.30		0
	50	50	12.46	12.51	12.37	12.27		0
	100	0	12.43	12.48	12.39	12.24		0

Table 8-62
LTE Band 48 Antenna 4 Uplink Carrier Aggregation Measured P_{Limit}

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	56207	3646.7	QPSK	50	50	LTE B48	20	56405	3666.5	QPSK	50	0	12.07	12.14

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Notes:

1. This device supports uplink carrier aggregation for LTE CA_7C, LTE CA_5B, LTE CA_41C and LTE CA_48C 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.
2. Per FCC Guidance, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.

Figure 8-2
Power Measurement Setup

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8.3 NR Plimit Conducted Powers

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

8.3.1 NR Band n71

Table 8-63
NR Band n71 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

NR Band n71 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.57	0	0.0
	1	53	20.58		0.0
	1	104	**20.64**		0.0
	50	0	20.53	0-1	0.0
	50	28	20.55	0	0.0
	50	56	**20.57**	0-1	0.0
	100	0	20.56		0.0
DFT-s-OFDM 16QAM	1	1	20.51	0-1	0.0
CP-OFDM QPSK	1	1	20.30	0-1.5	0.0

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Table 8-64
NR Band n71 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

NR Band n71 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.02	0	0.0
	1	53	**20.28**		0.0
	1	104	20.25		0.0
	50	0	20.08	0-1	0.0
	50	28	**20.31**	0	0.0
	50	56	20.25	0-1	0.0
	100	0	20.22		0.0
DFT-s-OFDM 16QAM	1	1	20.30	0-1	0.0
CP-OFDM QPSK	1	1	20.34	0-1.5	0.0

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8.3.2 NR Band n12

Table 8-65
NR Band n12 Measured P_{Limit} Antenna 2 - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.36**	0	0.0
	1	40	19.28		0.0
	1	77	19.22		0.0
	36	0	**19.35**	0-1	0.0
	36	22	19.20	0	0.0
	36	43	19.21	0-1	0.0
	75	0	19.29		0.0
DFT-s-OFDM 16QAM	1	1	19.36	0-1	0.0
CP-OFDM QPSK	1	1	19.42	0-1.5	0.0

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Table 8-66
NR Band n12 Measured P_{Limit} Antenna 4 - 15 MHz Bandwidth

NR Band n12 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.79**	0	0.0
	1	40	18.69		0.0
	1	77	18.58		0.0
	36	0	**18.70**	0-1	0.0
	36	22	18.61	0	0.0
	36	43	18.69	0-1	0.0
	75	0	18.60		0.0
DFT-s-OFDM 16QAM	1	1	18.80	0-1	0.0
CP-OFDM QPSK	1	1	18.78	0-1.5	0.0

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8.3.3 NR Band n14

Table 8-67
NR Band n14 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.22	0	0.0
	1	26	19.36		0.0
	1	50	**19.44**		0.0
	25	0	**19.39**	0-1	0.0
	25	14	19.31	0	0.0
	25	27	19.26	0-1	0.0
	50	0	19.28		0.0
DFT-s-OFDM 16QAM	1	1	19.23	0-1	0.0
CP-OFDM QPSK	1	1	19.41	0-1.5	0.0

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Table 8-68
NR Band n14 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

NR Band n14 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**20.77**	0	0.0
	1	26	20.75		0.0
	1	50	20.72		0.0
	25	0	**20.79**	0-1	0.0
	25	14	20.67	0	0.0
	25	27	20.65	0-1	0.0
	50	0	20.69		0.0
DFT-s-OFDM 16QAM	1	1	20.62	0-1	0.0
CP-OFDM QPSK	1	1	20.74	0-1.5	0.0

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8.3.4 NR Band n26

Table 8-69
NR Band n26 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.04**	0	0.0
	1	53	19.02		0.0
	1	104	18.99		0.0
	50	0	19.01	0-1	0.0
	50	28	**19.06**	0	0.0
	50	56	18.94	0-1	0.0
	100	0	19.03		0.0
DFT-s-OFDM 16QAM	1	1	19.01	0-1	0.0
CP-OFDM QPSK	1	1	18.98	0-1.5	0.0

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Table 8-70
NR Band n26 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

NR Band n26 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.04	0	0.0
	1	53	**19.18**		0.0
	1	104	18.96		0.0
	50	0	**19.12**	0-1	0.0
	50	28	19.09	0	0.0
	50	56	18.97	0-1	0.0
	100	0	19.08		0.0
DFT-s-OFDM 16QAM	1	1	19.14	0-1	0.0
CP-OFDM QPSK	1	1	19.17	0-1.5	0.0

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8.3.5 NR Band n5

Table 8-71
NR Band n5 Measured P_{Limit} Antenna 2 - 20 MHz Bandwidth

NR Band n5 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.07**	0	0.0
	1	53	18.87		0.0
	1	104	18.78		0.0
	50	0	**19.03**	0-1	0.0
	50	28	18.94	0	0.0
	50	56	18.87	0-1	0.0
	100	0	18.97		0.0
DFT-s-OFDM 16QAM	1	1	19.11	0-1	0.0
CP-OFDM QPSK	1	1	19.04	0-1.5	0.0

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Table 8-72
NR Band n5 Measured P_{Limit} Antenna 4 - 20 MHz Bandwidth

NR Band n5 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.32**	0	0.0
	1	53	19.25		0.0
	1	104	19.14		0.0
	50	0	**19.21**	0-1	0.0
	50	28	19.11	0	0.0
	50	56	19.01	0-1	0.0
	100	0	19.09		0.0
DFT-s-OFDM 16QAM	1	1	19.20	0-1	0.0
CP-OFDM QPSK	1	1	19.31	0-1.5	0.0

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8.3.6 NR Band n70

Table 8-73
NR Band n70 Measured P_{Limit} Antenna 1b - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**12.04**	0	0.0
	1	40	11.89		0.0
	1	77	11.84		0.0
	36	0	**12.03**	0-1	0.0
	36	22	11.92	0	0.0
	36	43	11.94	0-1	0.0
	75	0	12.01		0.0
DFT-s-OFDM 16QAM	1	1	11.87	0-1	0.0
CP-OFDM QPSK	1	1	12.10	0-1.5	0.0

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Table 8-74
NR Band n70 Measured P_{Limit} Antenna 2 - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	14.99	0	0.0
	1	40	**15.05**		0.0
	1	77	15.02		0.0
	36	0	**15.01**	0-1	0.0
	36	22	14.95	0	0.0
	36	43	15.00	0-1	0.0
	75	0	15.00		0.0
DFT-s-OFDM 16QAM	1	1	15.19	0-1	0.0
CP-OFDM QPSK	1	1	14.98	0-1.5	0.0

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Table 8-75
NR Band n70 Measured P_{Limit} Antenna 3b - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**11.88**	0	0.0
	1	40	11.78		0.0
	1	77	11.81		0.0
	36	0	**11.84**	0-1	0.0
	36	22	11.83	0	0.0
	36	43	11.80	0-1	0.0
	75	0	11.79		0.0
DFT-s-OFDM 16QAM	1	1	11.82	0-1	0.0
CP-OFDM QPSK	1	1	11.87	0-1.5	0.0

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Table 8-76
NR Band n70 Measured P_{Limit} Antenna 4 - 15 MHz Bandwidth

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**15.20**	0	0.0
	1	40	15.18		0.0
	1	77	15.14		0.0
	36	0	15.17	0-1	0.0
	36	22	**15.19**	0	0.0
	36	43	15.12	0-1	0.0
	75	0	15.15		0.0
DFT-s-OFDM 16QAM	1	1	15.13	0-1	0.0
CP-OFDM QPSK	1	1	15.17	0-1.5	0.0

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8.3.7 NR Band n66

Table 8-77
NR Band n66 Measured P_{Limit} Antenna 1b - 40 MHz Bandwidth

NR Band n66 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**12.15**	0	0.0
	1	108	12.10		0.0
	1	214	12.13		0.0
	108	0	**12.24**	0-1	0.0
	108	54	12.19	0	0.0
	108	108	12.16	0-1	0.0
	216	0	12.06		0.0
DFT-s-OFDM 16QAM	1	1	11.90	0-1	0.0
CP-OFDM QPSK	1	1	11.99	0-1.5	0.0

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Table 8-78
NR Band n66 Measured P_{Limit} Antenna 2 - 40 MHz Bandwidth

NR Band n66 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**15.25**	0	0.0
	1	108	15.18		0.0
	1	214	15.20		0.0
	108	0	**15.28**	0-1	0.0
	108	54	15.16	0	0.0
	108	108	15.21	0-1	0.0
	216	0	15.18		0.0
DFT-s-OFDM 16QAM	1	1	15.20	0-1	0.0
CP-OFDM QPSK	1	1	15.25	0-1.5	0.0

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Table 8-79
NR Band n66 Measured P_{Limit} Antenna 3b - 40 MHz Bandwidth

NR Band n66 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**11.78**	0	0.0
	1	108	11.74		0.0
	1	214	11.71		0.0
	108	0	**11.99**	0-1	0.0
	108	54	11.81	0	0.0
	108	108	11.75	0-1	0.0
	216	0	11.77		0.0
DFT-s-OFDM 16QAM	1	1	11.82	0-1	0.0
CP-OFDM QPSK	1	1	11.79	0-1.5	0.0

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Table 8-80
NR Band n66 Measured P_{Limit} Antenna 4 - 40 MHz Bandwidth

NR Band n66 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	14.68	0	0.0
	1	108	14.51		0.0
	1	214	**14.71**		0.0
	108	0	**14.86**	0-1	0.0
	108	54	14.53	0	0.0
	108	108	14.61	0-1	0.0
	216	0	14.58		0.0
DFT-s-OFDM 16QAM	1	1	14.50	0-1	0.0
CP-OFDM QPSK	1	1	14.73	0-1.5	0.0

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8.3.8 NR Band n25

Table 8-81
NR Band n25 Measured P_{Limit} Antenna 1b - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.76	0	0.0
	1	108	11.80		0.0
	1	214	**11.92**		0.0
	108	0	**11.97**	0-1	0.0
	108	54	11.85	0	0.0
	108	108	11.79	0-1	0.0
	216	0	11.83		0.0
DFT-s-OFDM 16QAM	1	1	11.89	0-1	0.0
CP-OFDM QPSK	1	1	11.81	0-1.5	0.0

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Table 8-82
NR Band n25 Measured P_{Limit} Antenna 2 - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	15.25	0	0.0
	1	108	15.18		0.0
	1	214	**15.31**		0.0
	108	0	**15.35**	0-1	0.0
	108	54	15.26	0	0.0
	108	108	15.20	0-1	0.0
	216	0	15.22		0.0
DFT-s-OFDM 16QAM	1	1	15.30	0-1	0.0
CP-OFDM QPSK	1	1	15.34	0-1.5	0.0

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Table 8-83
NR Band n25 Measured P_{Limit} Antenna 3b - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.97	0	0.0
	1	108	**12.06**		0.0
	1	214	12.03		0.0
	108	0	12.01	0-1	0.0
	108	54	12.06	0	0.0
	108	108	**12.07**	0-1	0.0
	216	0	11.99		0.0
DFT-s-OFDM 16QAM	1	1	12.09	0-1	0.0
CP-OFDM QPSK	1	1	12.03	0-1.5	0.0

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Table 8-84
NR Band n25 Measured P_{Limit} Antenna 4 - 40 MHz Bandwidth

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	13.15	0	0.0
	1	108	**13.17**		0.0
	1	214	13.13		0.0
	108	0	13.05	0-1	0.0
	108	54	**13.15**	0	0.0
	108	108	13.11	0-1	0.0
	216	0	13.05		0.0
DFT-s-OFDM 16QAM	1	1	13.20	0-1	0.0
CP-OFDM QPSK	1	1	13.05	0-1.5	0.0

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8.3.9 NR Band n30

Table 8-85
NR Band n30 Measured P_{Limit} Antenna 1b - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.80	0	0.0
	1	26	11.81		0.0
	1	50	**11.85**		0.0
	25	0	11.82	0-1	0.0
	25	14	**11.83**	0	0.0
	25	27	11.78	0-1	0.0
	50	0	11.80		0.0
DFT-s-OFDM 16QAM	1	1	12.03	0-1	0.0
CP-OFDM QPSK	1	1	12.15	0-1.5	0.0

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Table 8-86
NR Band n30 Measured P_{Limit} Antenna 2 - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.18	0	0.0
	1	26	**12.34**		0.0
	1	50	12.24		0.0
	25	0	12.29	0-1	0.0
	25	14	**12.31**	0	0.0
	25	27	12.22	0-1	0.0
	50	0	12.29		0.0
DFT-s-OFDM 16QAM	1	1	12.36	0-1	0.0
CP-OFDM QPSK	1	1	12.16	0-1.5	0.0

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Table 8-87
NR Band n30 Measured P_{Limit} Antenna 3b - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.19	0	0.0
	1	26	12.26		0.0
	1	50	**12.29**		0.0
	25	0	12.21	0-1	0.0
	25	14	**12.23**	0	0.0
	25	27	12.15	0-1	0.0
	50	0	12.19		0.0
DFT-s-OFDM 16QAM	1	1	11.86	0-1	0.0
CP-OFDM QPSK	1	1	12.15	0-1.5	0.0

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Table 8-88
NR Band n30 Measured P_{Limit} Antenna 4 - 10 MHz Bandwidth

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	13.13	0	0.0
	1	26	13.10		0.0
	1	50	**13.17**		0.0
	25	0	13.07	0-1	0.0
	25	14	**13.12**	0	0.0
	25	27	13.06	0-1	0.0
	50	0	13.04		0.0
DFT-s-OFDM 16QAM	1	1	12.93	0-1	0.0
CP-OFDM QPSK	1	1	12.89	0-1.5	0.0

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8.3.10 NR Band n7

Table 8-89
NR Band n7 Measured P_{Limit} Antenna 1b - 40 MHz Bandwidth

NR Band n7 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.83	0	0.0
	1	108	**11.92**		0.0
	1	214	11.72		0.0
	108	0	11.80	0-1	0.0
	108	54	11.75	0	0.0
	108	108	**11.90**	0-1	0.0
	216	0	11.80		0.0
DFT-s-OFDM 16QAM	1	1	12.20	0-1	0.0
CP-OFDM QPSK	1	1	11.91	0-1.5	0.0

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Table 8-90
NR Band n7 Measured P_{Limit} Antenna 2 - 40 MHz Bandwidth

NR Band n7 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**11.68**	0	0.0
	1	108	11.42		0.0
	1	214	11.43		0.0
	108	0	**11.63**	0-1	0.0
	108	54	11.48	0	0.0
	108	108	11.61	0-1	0.0
	216	0	11.45		0.0
DFT-s-OFDM 16QAM	1	1	11.76	0-1	0.0
CP-OFDM QPSK	1	1	11.67	0-1.5	0.0

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Table 8-91
NR Band n7 Measured P_{Limit} Antenna 3b - 40 MHz Bandwidth

NR Band n7 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.41	0	0.0
	1	108	11.48		0.0
	1	214	**11.49**		0.0
	108	0	**11.46**	0-1	0.0
	108	54	11.36	0	0.0
	108	108	11.42	0-1	0.0
	216	0	11.39		0.0
DFT-s-OFDM 16QAM	1	1	11.60	0-1	0.0
CP-OFDM QPSK	1	1	11.52	0-1.5	0.0

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Table 8-92
NR Band n7 Measured P_{Limit} Antenna 4 - 40 MHz Bandwidth

NR Band n7 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.60	0	0.0
	1	108	**10.67**		0.0
	1	214	10.61		0.0
	108	0	10.50	0-1	0.0
	108	54	10.49	0	0.0
	108	108	**10.61**	0-1	0.0
	216	0	10.54		0.0
DFT-s-OFDM 16QAM	1	1	10.52	0-1	0.0
CP-OFDM QPSK	1	1	10.61	0-1.5	0.0

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8.3.11 NR Band n41

Table 8-93
NR Band n41 Measured P_{Limit} Antenna 1b - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.01	0	0.0
	1	137	**12.15**		0.0
	1	271	11.98		0.0
	135	0	11.97	0-1	0.0
	135	69	**12.06**	0	0.0
	135	138	11.99	0-1	0.0
	270	0	12.03		0.0
DFT-s-OFDM 16QAM	1	1	12.01	0-1	0.0
CP-OFDM QPSK	1	1	11.94	0-1.5	0.0

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Table 8-94
NR Band n41 Measured P_{Limit} Antenna 2 - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.32	0	0.0
	1	137	12.33		0.0
	1	271	**12.42**		0.0
	135	0	**12.29**	0-1	0.0
	135	69	12.27	0	0.0
	135	138	12.26	0-1	0.0
	270	0	12.28		0.0
DFT-s-OFDM 16QAM	1	1	12.16	0-1	0.0
CP-OFDM QPSK	1	1	12.26	0-1.5	0.0

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Table 8-95
NR Band n41 Measured P_{Limit} Antenna 3b - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.69	0	0.0
	1	137	**11.78**		0.0
	1	271	11.71		0.0
	135	0	11.72	0-1	0.0
	135	69	**11.75**	0	0.0
	135	138	11.70	0-1	0.0
	270	0	11.71		0.0
DFT-s-OFDM 16QAM	1	1	11.34	0-1	0.0
CP-OFDM QPSK	1	1	11.43	0-1.5	0.0

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Table 8-96
NR Band n41 Measured P_{Limit} Antenna 4 - 100 MHz Bandwidth

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.20	0	0.0
	1	137	**10.26**		0.0
	1	271	10.12		0.0
	135	0	**10.27**	0-1	0.0
	135	69	10.19	0	0.0
	135	138	10.14	0-1	0.0
	270	0	10.17		0.0
DFT-s-OFDM 16QAM	1	1	10.40	0-1	0.0
CP-OFDM QPSK	1	1	10.18	0-1.5	0.0

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8.3.12 NR Band n48

Table 8-97
NR Band n48 Measured P_{Limit} Antenna 1a - 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	9.19	9.35	9.24	0	0.0
	1	53	9.33	9.29	9.14		0.0
	1	104	9.35	**9.51**	9.12		0.0
	50	0	9.21	**9.40**	9.27	0-1	0.0
	50	28	9.24	9.26	9.19	0	0.0
	50	56	9.35	9.21	9.09	0-1	0.0
	100	0	9.22	9.32	9.16		0.0
DFT-s-OFDM 16QAM	1	1	9.35	9.45	9.50	0-1	0.0
CP-OFDM QPSK	1	1	9.16	9.36	9.20	0-1.5	0.0

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Table 8-98
NR Band n48 Measured P_{Limit} Antenna 2 - 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	9.27	**9.55**	9.47		0.0
	1	53	9.36	9.48	9.32	0	0.0
	1	104	9.54	9.50	9.28		0.0
	50	0	9.21	**9.60**	9.37	0-1	0.0
	50	28	9.30	9.50	9.34	0	0.0
	50	56	9.36	9.48	9.22	0-1	0.0
	100	0	9.30	9.53	9.34		0.0
DFT-s-OFDM 16QAM	1	1	9.26	9.62	9.56	0-1	0.0
CP-OFDM QPSK	1	1	9.31	9.53	9.46	0-1.5	0.0

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Table 8-99
NR Band n48 Measured P_{Limit} Antenna 3a - 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	9.00	9.14	8.90	0	0.0
	1	53	9.05	9.01	8.88		0.0
	1	104	**9.21**	8.97	8.81		0.0
	50	0	9.00	9.07	8.87	0-1	0.0
	50	28	9.05	8.96	8.85	0	0.0
	50	56	**9.10**	8.94	8.83	0-1	0.0
	100	0	9.01	8.97	8.83		0.0
DFT-s-OFDM 16QAM	1	1	9.02	9.14	8.96	0-1	0.0
CP-OFDM QPSK	1	1	9.20	9.10	8.95	0-1.5	0.0

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Table 8-100
NR Band n48 Measured P_{Limit} Antenna 4 - 40 MHz Bandwidth

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	10.35	10.59	**10.62**	0	0.0
	1	53	10.40	10.57	10.60		0.0
	1	104	10.61	10.54	10.51		0.0
	50	0	10.38	10.62	**10.65**	0-1	0.0
	50	28	10.36	10.50	10.55	0	0.0
	50	56	10.53	10.53	10.49	0-1	0.0
	100	0	10.35	10.58	10.54		0.0
DFT-s-OFDM 16QAM	1	1	10.41	10.68	10.51	0-1	0.0
CP-OFDM QPSK	1	1	10.35	10.65	10.60	0-1.5	0.0

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8.3.13 NR Band n77 C-Band

Table 8-101
NR Band n77 C-Band Measured P_{Limit} Antenna 1a - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	8.95	**9.30**	0	0.0
	1	137	9.01	9.07		0.0
	1	271	9.23	8.90		0.0
	135	0	9.02	**9.14**	0-1	0.0
	135	69	9.03	8.97	0	0.0
	135	138	9.01	8.90	0-1	0.0
	270	0	9.01	9.07		0.0
DFT-s-OFDM 16QAM	1	1	9.12	9.28	0-1	0.0
CP-OFDM QPSK	1	1	9.05	9.14	0-1.5	0.0

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Table 8-102
NR Band n77 C-Band Measured P_{Limit} Antenna 2 - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	8.17	8.14	0	0.0
	1	137	**8.40**	8.29		0.0
	1	271	8.19	8.21		0.0
	135	0	8.20	8.14	0-1	0.0
	135	69	**8.39**	8.20	0	0.0
	135	138	8.23	8.11	0-1	0.0
	270	0	8.24	8.01		0.0
DFT-s-OFDM 16QAM	1	1	8.11	8.14	0-1	0.0
CP-OFDM QPSK	1	1	8.05	8.15	0-1.5	0.0

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Table 8-103
NR Band n77 C-Band Measured P_{Limit} Antenna 3a - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	7.83	7.90	0	0.0
	1	137	7.94	**7.97**		0.0
	1	271	7.74	7.92		0.0
	135	0	7.80	7.95	0-1	0.0
	135	69	7.90	**7.96**	0	0.0
	135	138	7.88	7.91	0-1	0.0
	270	0	7.87	7.94		0.0
DFT-s-OFDM 16QAM	1	1	7.60	7.86	0-1	0.0
CP-OFDM QPSK	1	1	7.64	7.70	0-1.5	0.0

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Table 8-104
NR Band n77 C-Band Measured P_{Limit} Antenna 4 - 100 MHz Bandwidth

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	10.17	10.20	0	0.0
	1	137	10.10	**10.21**		0.0
	1	271	10.14	10.15		0.0
	135	0	10.19	**10.20**	0-1	0.0
	135	69	10.16	10.19	0	0.0
	135	138	10.08	10.14	0-1	0.0
	270	0	10.11	10.19		0.0
DFT-s-OFDM 16QAM	1	1	10.35	10.37	0-1	0.0
CP-OFDM QPSK	1	1	10.03	10.22	0-1.5	0.0

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8.3.14 NR Band n77 DoD

Table 8-105
NR Band n77 DoD Measured P_{Limit} Antenna 1a - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	8.96	0	0.0
	1	137	8.88		0.0
	1	271	**9.20**		0.0
	135	0	8.90	0-1	0.0
	135	69	8.92	0	0.0
	135	138	**9.01**	0-1	0.0
	270	0	8.91		0.0
DFT-s-OFDM 16QAM	1	1	9.18	0-1	0.0
CP-OFDM QPSK	1	1	8.85	0-1.5	0.0

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Table 8-106
NR Band n77 DoD Measured P_{Limit} Antenna 2 - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	8.15	0	0.0
	1	137	8.24		0.0
	1	271	**8.26**		0.0
	135	0	8.16	0-1	0.0
	135	69	**8.25**	0	0.0
	135	138	8.22	0-1	0.0
	270	0	8.24		0.0
DFT-s-OFDM 16QAM	1	1	8.04	0-1	0.0
CP-OFDM QPSK	1	1	8.01	0-1.5	0.0

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Table 8-107
NR Band n77 DoD Measured P_{Limit} Antenna 3a - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	8.00	0	0.0
	1	137	8.05		0.0
	1	271	**8.16**		0.0
	135	0	8.04	0-1	0.0
	135	69	8.01	0	0.0
	135	138	**8.09**	0-1	0.0
	270	0	8.02		0.0
DFT-s-OFDM 16QAM	1	1	8.06	0-1	0.0
CP-OFDM QPSK	1	1	7.74	0-1.5	0.0

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Table 8-108
NR Band n77 DoD Measured P_{Limit} Antenna 4 - 100 MHz Bandwidth

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.11	0	0.0
	1	137	10.21		0.0
	1	271	**10.23**		0.0
	135	0	10.20	0-1	0.0
	135	69	**10.23**	0	0.0
	135	138	10.13	0-1	0.0
	270	0	10.17		0.0
DFT-s-OFDM 16QAM	1	1	10.34	0-1	0.0
CP-OFDM QPSK	1	1	10.00	0-1.5	0.0

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.

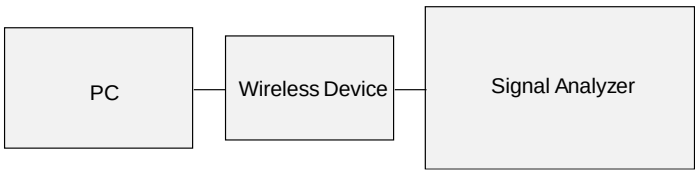

Figure 8-3
Power Measurement Setup

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8.4 2.4 GHz WLAN Maximum Time-Averaged Conducted Powers

Table 8-109
2.4 GHz WLAN Maximum Average RF Power – Antenna 1a, Variant 1

2.4GHz WIFI (20MHz 802.11b SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.32
2437	6	10.34
2462	11	10.33
2.4GHz WIFI (20MHz 802.11g SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.23
2437	6	10.29
2462	11	10.23
2.4GHz WIFI (20MHz 802.11n SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.19
2437	6	10.30
2462	11	10.22
2.4GHz WIFI (20MHz 802.11ax SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.35
2437	6	10.26
2462	11	10.13

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Table 8-110
2.4 GHz WLAN Maximum Average RF Power – Antenna 1a, Variant 2

2.4GHz WIFI (20MHz 802.11b SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.33
2437	6	10.32
2462	11	10.30
2.4GHz WIFI (20MHz 802.11g SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.23
2437	6	10.39
2462	11	10.17
2.4GHz WIFI (20MHz 802.11n SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.22
2437	6	10.18
2462	11	10.28
2.4GHz WIFI (20MHz 802.11ax SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.35
2437	6	10.34
2462	11	10.30

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Table 8-111
2.4 GHz WLAN Maximum Average RF Power – Antenna 3a, Variant 1

2.4GHz WIFI (20MHz 802.11b SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.33
2437	6	10.36
2462	11	10.08
2.4GHz WIFI (20MHz 802.11g SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.07
2437	6	9.99
2462	11	9.90
2.4GHz WIFI (20MHz 802.11n SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	9.97
2437	6	10.12
2462	11	9.86
2.4GHz WIFI (20MHz 802.11ax SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	9.86
2437	6	10.09
2462	11	9.99

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Table 8-112
2.4 GHz WLAN Maximum Average RF Power – Antenna 3a, Variant 2

2.4GHz WIFI (20MHz 802.11b SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.39
2437	6	10.35
2462	11	10.34
2.4GHz WIFI (20MHz 802.11g SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	10.01
2437	6	10.07
2462	11	9.88
2.4GHz WIFI (20MHz 802.11n SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	9.85
2437	6	10.00
2462	11	9.84
2.4GHz WIFI (20MHz 802.11ax SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	9.96
2437	6	10.21
2462	11	10.01

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8.5 2.4 GHz WLAN Reduced Time-Averaged Conducted Powers

Table 8-113
2.4 GHz WLAN 6 dB Reduced Average RF Power – Antenna 1a, Variant 1

2.4GHz WIFI (20MHz 802.11b SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.32
2437	6	4.43
2462	11	4.38
2.4GHz WIFI (20MHz 802.11g SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.14
2437	6	4.32
2462	11	4.23
2.4GHz WIFI (20MHz 802.11n SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.15
2437	6	4.33
2462	11	4.19
2.4GHz WIFI (20MHz 802.11ax SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.07
2437	6	4.15
2462	11	4.11

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Table 8-114
2.4 GHz WLAN 6 dB Reduced Average RF Power – Antenna 1a, Variant 2

2.4GHz WIFI (20MHz 802.11b SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.14
2437	6	4.08
2462	11	4.23
2.4GHz WIFI (20MHz 802.11g SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.14
2437	6	4.28
2462	11	4.33
2.4GHz WIFI (20MHz 802.11n SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.11
2437	6	4.20
2462	11	4.31
2.4GHz WIFI (20MHz 802.11ax SISO		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.04
2437	6	4.32
2462	11	4.14

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Table 8-115
2.4 GHz WLAN 6 dB Reduced Average RF Power – Antenna 3a, Variant 1

2.4GHz WIFI (20MHz 802.11b SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.02
2437	6	3.97
2462	11	3.98
2.4GHz WIFI (20MHz 802.11g SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.04
2437	6	4.05
2462	11	3.79
2.4GHz WIFI (20MHz 802.11n SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.02
2437	6	4.09
2462	11	4.10
2.4GHz WIFI (20MHz 802.11ax SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.11
2437	6	4.07
2462	11	4.19

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Table 8-116
2.4 GHz WLAN 6 dB Reduced Average RF Power – Antenna 3a, Variant 2

2.4GHz WIFI (20MHz 802.11b SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.02
2437	6	4.01
2462	11	4.03
2.4GHz WIFI (20MHz 802.11g SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	4.02
2437	6	4.07
2462	11	3.89
2.4GHz WIFI (20MHz 802.11n SISO)		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	3.98
2437	6	4.06
2462	11	3.97
2.4GHz WIFI (20MHz 802.11ax		
Freq. [MHz]	**Channel**	**Conducted Power [dBm]**
2412	1	3.99
2437	6	4.07
2462	11	3.97

8.6 5 GHz WLAN Maximum Time-Averaged Conducted Powers

Table 8-117
5 GHz WLAN Maximum Average RF Power – Antenna 1b, Variant 1

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	10.23
UNII-2A	5290	58	10.38
UNII-2C	5530	106	9.07
	5610	122	9.17
	5690	138	8.62
UNII-3	5775	155	8.86
5GHz WIFI (80MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	9.95
UNII-2A	5290	58	9.97
UNII-2C	5530	106	9.48
	5610	122	9.59
	5690	138	9.53
UNII-3	5775	155	8.78

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Table 8-118
5 GHz WLAN Maximum Average RF Power – Antenna 1b, Variant 2

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	10.23
UNII-2A	5290	58	10.30
UNII-2C	5530	106	9.10
	5610	122	9.29
	5690	138	8.67
UNII-3	5775	155	8.81
5GHz WIFI (80MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	10.02
UNII-2A	5290	58	10.03
UNII-2C	5530	106	9.27
	5610	122	9.56
	5690	138	9.61
UNII-3	5775	155	8.72

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Table 8-119
5 GHz WLAN Maximum Average RF Power – Antenna 3b, Variant 1

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	10.09
UNII-2A	5290	58	10.30
UNII-2C	5530	106	9.01
	5610	122	9.07
	5690	138	9.05
UNII-3	5775	155	9.20

5GHz WIFI (80MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	9.90
UNII-2A	5290	58	9.93
UNII-2C	5530	106	8.83
	5610	122	8.76
	5690	138	8.76
UNII-3	5775	155	9.53

Table 8-120
5 GHz WLAN Maximum Average RF Power – Antenna 3b, Variant 2

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	10.12
UNII-2A	5290	58	10.03
UNII-2C	5530	106	9.03
	5610	122	8.99
	5690	138	9.06
UNII-3	5775	155	9.16

5GHz WIFI (80MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	9.91
UNII-2A	5290	58	9.97
UNII-2C	5530	106	8.81
	5610	122	8.65
	5690	138	8.76
UNII-3	5775	155	9.61

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Table 8-121
5 GHz WLAN Maximum Average RF Power – Antenna 5T, Variant 1

5GHz WIFI (40MHz 802.11n SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	15.53
	5230	46	16.44
UNII-2A	5270	54	16.53
	5310	62	16.29

5GHz WIFI (40MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	15.35
	5230	46	16.72
UNII-2A	5270	54	16.87
	5310	62	15.92

5GHz WIFI (40MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	14.71
	5230	46	16.68
UNII-2A	5270	54	16.62
	5310	62	15.89

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	14.66
	5610	122	14.80
	5690	138	14.82
UNII-3	5775	155	14.47

5GHz WIFI (80MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.55
	5610	122	14.43
	5690	138	14.57
UNII-3	5775	155	14.32

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Table 8-122
5 GHz WLAN Maximum Average RF Power – Antenna 5T, Variant 2

5GHz WIFI (40MHz 802.11n SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	15.46
	5230	46	16.31
UNII-2A	5270	54	16.52
	5310	62	16.33
5GHz WIFI (40MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	15.42
	5230	46	16.51
UNII-2A	5270	54	16.76
	5310	62	15.90
5GHz WIFI (40MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	14.62
	5230	46	16.65
UNII-2A	5270	54	16.46
	5310	62	15.83
5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	14.55
	5610	122	14.63
	5690	138	14.62
UNII-3	5775	155	14.41
5GHz WIFI (80MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.47
	5610	122	14.68
	5690	138	14.40
UNII-3	5775	155	14.33

8.7 5 GHz WLAN Reduced Time-Averaged Conducted Powers

Table 8-123
5 GHz WLAN 6 dB Reduced Average RF Power – Antenna 1b, Variant 1

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	4.06
UNII-2A	5290	58	4.03
UNII-2C	5530	106	3.40
	5610	122	3.39
	5690	138	3.37
UNII-3	5775	155	2.75

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5GHz WIFI (80MHz 802.11ax SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.97
UNII-2A	5290	58	4.08
UNII-2C	5530	106	3.61
	5610	122	3.43
	5690	138	3.46
UNII-3	5775	155	2.73

Table 8-124
5 GHz WLAN 6 dB Reduced Average RF Power – Antenna 1b, Variant 2

5GHz WIFI (80MHz 802.11ac SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.97
UNII-2A	5290	58	4.15
UNII-2C	5530	106	3.43
	5610	122	3.42
	5690	138	3.49
UNII-3	5775	155	2.70
5GHz WIFI (80MHz 802.11ax SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.99
UNII-2A	5290	58	4.11
UNII-2C	5530	106	3.52
	5610	122	3.68
	5690	138	3.52
UNII-3	5775	155	2.67

Table 8-125
5 GHz WLAN 6 dB Reduced Average RF Power – Antenna 3b, Variant 1

5GHz WIFI (80MHz 802.11ac SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.89
UNII-2A	5290	58	3.80
UNII-2C	5530	106	2.66
	5610	122	2.85
	5690	138	3.00
UNII-3	5775	155	3.49
5GHz WIFI (80MHz 802.11ax SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	3.91
UNII-2A	5290	58	3.96
UNII-2C	5530	106	2.80
	5610	122	2.82
	5690	138	2.75
UNII-3	5775	155	3.69

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Table 8-126
5 GHz WLAN 6 dB Reduced Average RF Power – Antenna 3b, Variant 2

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	3.83
UNII-2A	5290	58	4.03
UNII-2C	5530	106	2.76
	5610	122	2.89
	5690	138	2.77
UNII-3	5775	155	3.52
5GHz WIFI (80MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	3.81
UNII-2A	5290	58	3.70
UNII-2C	5530	106	2.65
	5610	122	2.74
	5690	138	3.04
UNII-3	5775	155	3.63

Table 8-127
5 GHz WLAN 6 dB Reduced Average RF Power – Antenna 5T, Variant 1

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	10.69
UNII-2A	5290	58	10.63
UNII-2C	5530	106	8.57
	5610	122	8.52
	5690	138	8.61
UNII-3	5775	155	8.23
5GHz WIFI (80MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	10.51
UNII-2A	5290	58	10.58
UNII-2C	5530	106	8.44
	5610	122	8.46
	5690	138	8.34
UNII-3	5775	155	8.14

Table 8-128
5 GHz WLAN 6 dB Reduced Average RF Power – Antenna 5T, Variant 2

5GHz WIFI (80MHz 802.11ac SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	10.43
UNII-2A	5290	58	10.48
UNII-2C	5530	106	8.56
	5610	122	8.66
	5690	138	8.57
UNII-3	5775	155	8.33

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5GHz WIFI (80MHz 802.11ax SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	10.70
UNII-2A	5290	58	10.68
UNII-2C	5530	106	8.44
	5610	122	8.43
	5690	138	8.21
UNII-3	5775	155	8.53

8.8 6 GHz WLAN Maximum Time-Averaged Conducted Powers

Table 8-129
6 GHz WLAN Maximum Average RF Power – Antenna 1b, Variant 1

6GHz WIFI (160MHz 802.11ax SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	9.83
	6345	79	10.42
UNII-6	6505	111	10.68
UNII-7	6665	143	10.35
UNII-8	6985	207	10.06

Table 8-130
6 GHz WLAN Maximum Average RF Power – Antenna 1b, Variant 2

6GHz WIFI (160MHz 802.11ax SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	9.71
	6345	79	10.21
UNII-6	6505	111	10.66
UNII-7	6665	143	10.37
UNII-8	6985	207	10.08

Table 8-131
6 GHz WLAN Maximum Average RF Power – Antenna 3b, Variant 1

6GHz WIFI (160MHz 802.11ax SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	11.20
	6345	79	12.68
UNII-6	6505	111	11.37
UNII-7	6665	143	13.60
UNII-8	6985	207	11.16

Table 8-132
6 GHz WLAN Maximum Average RF Power – Antenna 3b, Variant 2

6GHz WIFI (160MHz 802.11ax SISO)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	6025	15	11.07
	6345	79	12.60
UNII-6	6505	111	11.13
UNII-7	6665	143	13.38
UNII-8	6985	207	10.75

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Table 8-133
6 GHz WLAN Maximum Average RF Power – Antenna 5T, Variant 1

6GHz WIFI (160MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	12.34
	6345	79	11.77
UNII-6	6505	111	11.50
UNII-7	6665	143	11.69
UNII-8	6985	207	11.86

Table 8-134
6 GHz WLAN Maximum Average RF Power – Antenna 5T, Variant 2

6GHz WIFI (160MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	12.55
	6345	79	11.77
UNII-6	6505	111	11.97
UNII-7	6665	143	11.68
UNII-8	6985	207	11.86

8.9 6 GHz WLAN Reduced Time-Averaged Conducted Powers

Table 8-135
6 GHz WLAN 6 dB Reduced Average RF Power – Antenna 1b, Variant 1

6GHz WIFI (160MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	3.79
	6345	79	4.10
UNII-6	6505	111	4.36
UNII-7	6665	143	5.07
UNII-8	6985	207	5.10

Table 8-136
6 GHz WLAN 6 dB Reduced Average RF Power – Antenna 1b, Variant 2

6GHz WIFI (160MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	3.72
	6345	79	4.42
UNII-6	6505	111	4.47
UNII-7	6665	143	5.10
UNII-8	6985	207	5.13

Table 8-137
6 GHz WLAN 6 dB Reduced Average RF Power – Antenna 3b, Variant 1

6GHz WIFI (160MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	5.04
	6345	79	6.99
UNII-6	6505	111	6.73
UNII-7	6665	143	8.33
UNII-8	6985	207	7.76

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Table 8-138
6 GHz WLAN 6 dB Reduced Average RF Power – Antenna 3b, Variant 2

6GHz WIFI (160MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	5.05
	6345	79	6.95
UNII-6	6505	111	6.85
UNII-7	6665	143	8.09
UNII-8	6985	207	7.73

Table 8-139
6 GHz WLAN 6 dB Reduced Average RF Power – Antenna 5T, Variant 1

6GHz WIFI (160MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	7.30
	6345	79	7.04
UNII-6	6505	111	6.35
UNII-7	6665	143	5.99
UNII-8	6985	207	6.30

Table 8-140
6 GHz WLAN 6 dB Reduced Average RF Power – Antenna 5T, Variant 2

6GHz WIFI (160MHz 802.11ax SISO)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	7.18
	6345	79	7.00
UNII-6	6505	111	6.15
UNII-7	6665	143	5.96
UNII-8	6985	207	5.98

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8.10 WLAN Power Reduction Verification Summary

Table 8-141
WLAN Power Reduction Verification

Antenna	Mode/Band	Condition (s)	Maximum Scenario Maximum Allowed Tune Up Power [dBm]	Reduced Scenario Maximum Allowed Tune Up Power [dBm]	Maximum Measured Power [dBm]	Reduced Measured Power [dBm]	Verdict
Ant 3A	2.4 GHz WLAN	Main Band 3A/3B ON	11	5	9.1	3.46	PASS
	2.4 GHz WLAN	ULCA ON	11	5	9.1	3.25	PASS
Ant 1A	2.4 GHz WLAN	Main Band 1A/1B ON	11.25	5.25	9.8	3.94	PASS
	2.4 GHz WLAN	ULCA ON	11.25	5.25	9.8	3.73	PASS
Ant 3B	5 GHz WLAN	Main Band 3A/3B ON	11	5	9.31	3.45	PASS
	5 GHz WLAN	ULCA ON	11	5	9.31	3.4	PASS
Ant 5T	5 GHz WLAN	Main Band 3A/3B ON	17.5	11.5	16	10.14	PASS
	5 GHz WLAN	ULCA ON	17.5	11.5	16	10.11	PASS
Ant 1B	5 GHz WLAN	Main Band 1A/1B ON	11	5	9.33	3.42	PASS
	5 GHz WLAN	ULCA ON	11	5	9.33	3.44	PASS
Ant 3B	6 GHz WLAN	Main Band 3A/3B ON	11.5	6	10.42	3.45	PASS
	6 GHz WLAN	ULCA ON	11.5	6	10.42	3.45	PASS
Ant 5T	6 GHz WLAN	Main Band 3A/3B ON	12.75	8.25	12	5.65	PASS
	6 GHz WLAN	ULCA ON	12.75	8.25	12	5.75	PASS
Ant 1B	6 GHz WLAN	Main Band 1A/1B ON	10	4.75	8.99	3.3	PASS
	6 GHz WLAN	ULCA ON	10	4.75	8.99	3.3	PASS

Maximum power will not exceed minimum of (SAR max cap, Reg max cap). Power reduction backoff for simultaneous transmission is applied to SAR max cap for each antenna. Reduced power level will not exceed minimum of (SAR max cap-power reduction backoff, Reg max cap).

Conducted powers were measured for each Mode/Band and applied condition. All conducted power measurements were verified to be within tolerance.

8.11 Notes for WLAN

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

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.
- The WLAN chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with identical mechanical structure to meet the same specifications and functions.
- Two device variants are referenced as Variant 1 and Variant 2 in this report.
- WLAN SAR worst case configuration was spotchecked on Variant 1 and Variant 2.

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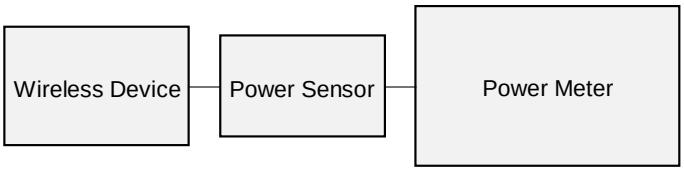

Figure 8-4
Power Measurement Setup

8.12 Bluetooth Maximum Conducted Powers

Table 8-142
Bluetooth Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	10.96	12.474
2441	GFSK	1.0	39	11.02	12.647
2480	GFSK	1.0	78	10.88	12.246

Table 8-143
Bluetooth Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	10.52	11.272
2441	GFSK	1.0	39	10.96	12.474
2480	GFSK	1.0	78	10.52	11.272

Table 8-144
Bluetooth Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	11.25	13.335
2441	GFSK	1.0	39	11.58	14.388
2480	GFSK	1.0	78	11.07	12.794

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Table 8-145
Bluetooth Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	11.26	13.366
2441	GFSK	1.0	39	11.55	14.289
2480	GFSK	1.0	78	11.29	13.459

8.13 Bluetooth Reduced Conducted Powers

Table 8-146
Bluetooth 4.5 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.74	4.721
2441	GFSK	1.0	39	7.25	5.309
2480	GFSK	1.0	78	7.41	5.508

Table 8-147
Bluetooth 4.5 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.65	4.624
2441	GFSK	1.0	39	7.04	5.058
2480	GFSK	1.0	78	6.98	4.989

Table 8-148
Bluetooth 7.0 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	3.70	2.344
2441	GFSK	1.0	39	4.09	2.564
2480	GFSK	1.0	78	4.51	2.825

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Table 8-149
Bluetooth 7.0 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	3.62	2.301
2441	GFSK	1.0	39	4.27	2.673
2480	GFSK	1.0	78	4.36	2.729

Table 8-150
Bluetooth 4.5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.28	4.246
2441	GFSK	1.0	39	6.83	4.819
2480	GFSK	1.0	78	7.02	5.035

Table 8-151
Bluetooth 4.5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.42	4.385
2441	GFSK	1.0	39	6.76	4.742
2480	GFSK	1.0	78	6.94	4.943

Table 8-152
Bluetooth 7.0 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	3.82	2.410
2441	GFSK	1.0	39	4.21	2.636
2480	GFSK	1.0	78	4.47	2.799

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Table 8-153
Bluetooth 7.0 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	3.92	2.466
2441	GFSK	1.0	39	3.94	2.477
2480	GFSK	1.0	78	4.33	2.710

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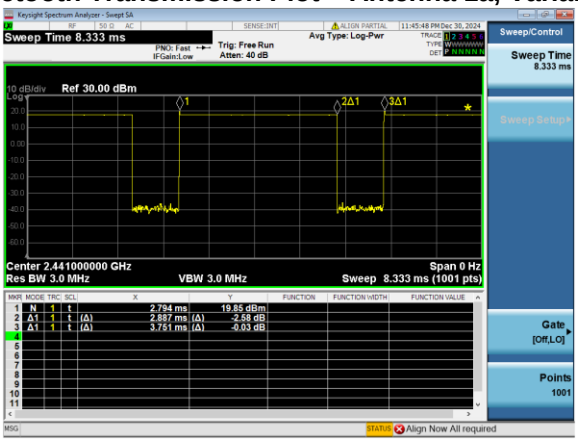
8.14 Bluetooth Duty Cycle Plots

Figure 8-5
Bluetooth Transmission Plot – Antenna 1a, Variant 1



Equation 8-1
Bluetooth Duty Cycle Calculation – Antenna 1a, Variant 1

$$\boldsymbol{Duty\ Cycle} = \frac{\boldsymbol{Pulse\ Width}}{\boldsymbol{Period}} * \mathbf{100\%} = \frac{\mathbf{2.887\ ms}}{\mathbf{3.751\ ms}} * \mathbf{100\%} = \mathbf{76.97\%}$$

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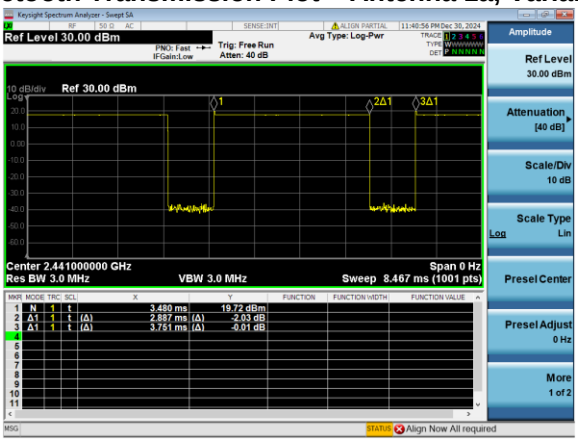
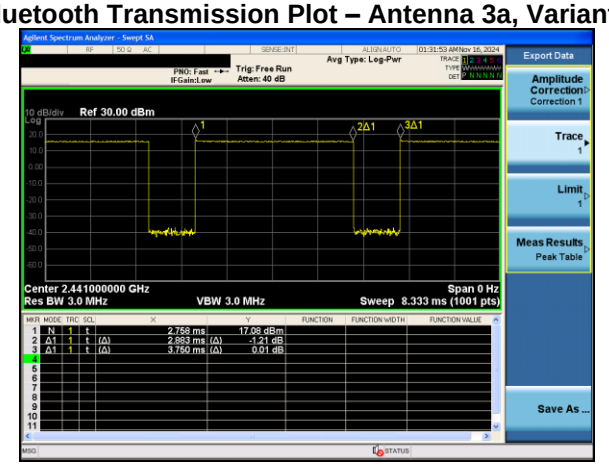
Figure 8-6
Bluetooth Transmission Plot – Antenna 1a, Variant 2



Equation 8-2
Bluetooth Duty Cycle Calculation – Antenna 1a, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.887\ ms}{3.751\ ms} * 100\% = 76.97\%$$

Figure 8-7
Bluetooth Transmission Plot – Antenna 3a, Variant 1



Equation 8-3
Bluetooth Duty Cycle Calculation – Antenna 3a, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.883\ ms}{3.750\ ms} * 100\% = 76.88\%$$

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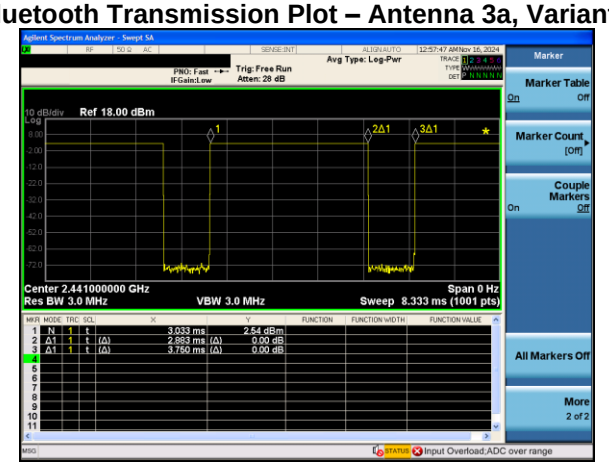
Figure 8-8
Bluetooth Transmission Plot – Antenna 3a, Variant 2



Equation 8-4
Bluetooth Duty Cycle Calculation – Antenna 3a, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.883\ ms}{3.750\ ms} * 100\% = 76.88\%$$

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8.15 802.15.4 Maximum Conducted Powers

Table 8-154
802.15.4 Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	11.21	13.213
2440	O-QPSK	1.0	18	11.05	12.735
2475	O-QPSK	1.0	25	11.37	13.709

Table 8-155
802.15.4 Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	11.10	12.882
2440	O-QPSK	1.0	18	11.11	12.912
2475	O-QPSK	1.0	25	11.36	13.677

Table 8-156
802.15.4 Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	11.20	13.183
2440	O-QPSK	1.0	18	11.78	15.066
2475	O-QPSK	1.0	25	11.03	12.677

Table 8-157
802.15.4 Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	11.10	12.882
2440	O-QPSK	1.0	18	11.42	13.868
2475	O-QPSK	1.0	25	11.16	13.062

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8.16 802.15.4 Reduced Conducted Powers

Table 8-158
802.15.4, 4.5 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	6.87	4.864
2440	O-QPSK	1.0	18	7.17	5.212
2475	O-QPSK	1.0	25	7.20	5.248

Table 8-159
802.15.4, 4.5 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	6.94	4.943
2440	O-QPSK	1.0	18	6.97	4.977
2475	O-QPSK	1.0	25	6.93	4.932

Table 8-160
802.15.4, 7.0 dB Reduced Average RF Power – Antenna 1a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	4.35	2.723
2440	O-QPSK	1.0	18	4.71	2.958
2475	O-QPSK	1.0	25	4.77	2.999

Table 8-161
802.15.4, 7.0 dB Reduced Average RF Power – Antenna 1a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	5.12	3.251
2440	O-QPSK	1.0	18	5.01	3.170
2475	O-QPSK	1.0	25	5.26	3.357

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Table 8-162
802.15.4, 4.5 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	6.81	4.797
2440	O-QPSK	1.0	18	6.88	4.875
2475	O-QPSK	1.0	25	7.06	5.082

Table 8-163
802.15.4, 4.5 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	6.89	4.887
2440	O-QPSK	1.0	18	6.67	4.645
2475	O-QPSK	1.0	25	6.84	4.831

Table 8-164
802.15.4, 7.0 dB Reduced Average RF Power – Antenna 3a, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	5.02	3.177
2440	O-QPSK	1.0	18	4.95	3.126
2475	O-QPSK	1.0	25	5.11	3.243

Table 8-165
802.15.4, 7.0 dB Reduced Average RF Power – Antenna 3a, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2405	O-QPSK	1.0	11	4.62	2.897
2440	O-QPSK	1.0	18	4.58	2.871
2475	O-QPSK	1.0	25	4.81	3.027

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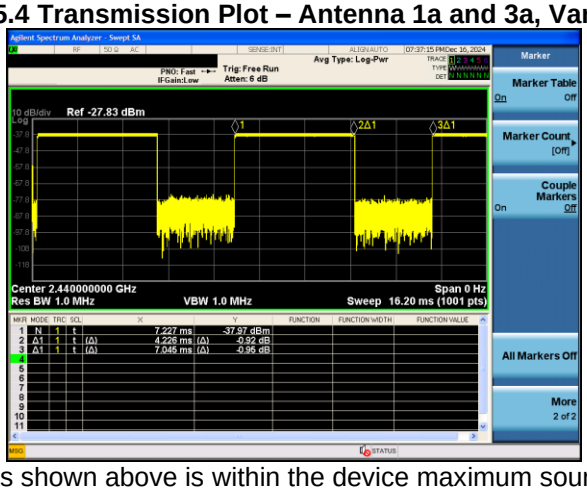
8.17 802.15.4 Duty Cycle Plots

Figure 8-9
802.15.4 Transmission Plot – Antenna 1a and 3a, Variant 1

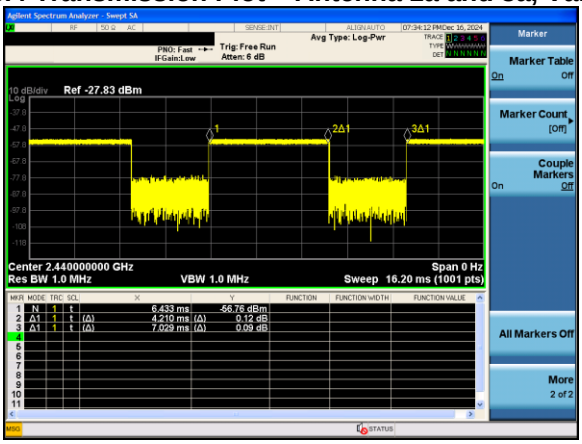


Note: Measured duty cycle as shown above is within the device maximum source-based duty cycle of 60%.

Equation 8-5
802.15.4 Duty Cycle Calculation – Antenna 1a and 3a, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{4.226\ ms}{7.045\ ms} * 100\% = 59.99\%$$

Figure 8-10
802.15.4 Transmission Plot – Antenna 1a and 3a, Variant 2



Note: Measured duty cycle as shown above is within the device maximum source-based duty cycle of 60%.

Equation 8-6
802.15.4 Duty Cycle Calculation – Antenna 1a and 3a, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{4.210\ ms}{7.029\ ms} * 100\% = 59.89\%$$

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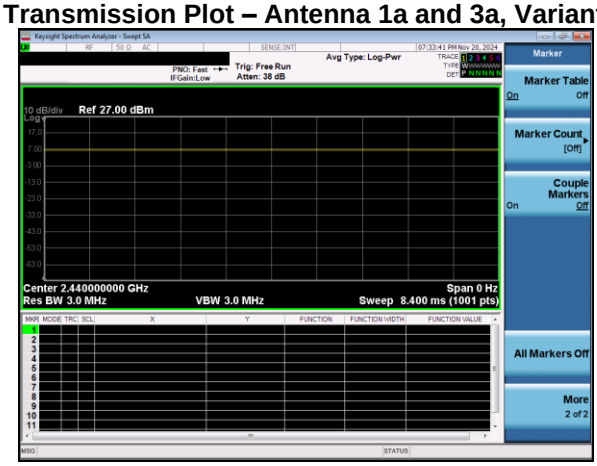
Figure 8-11
802.15.4 Transmission Plot – Antenna 1a and 3a, Variants 1 and 2



Note: Test mode measured duty cycle for 802.15.4 during SAR measurement.

Equation 8-7
802.15.4 Duty Cycle Calculation – Antenna 1a and 3a, Variants 1 and 2

$$Duty\ Cycle = 100\%$$

8.18 Bluetooth/802.15.4 Power Reduction Verification Summary

Table 8-166
Bluetooth/802.15.4 Power Reduction Verification

Antenna	Mode/Band	Condition (s)	Maximum Scenario Maximum Allowed Tune Up Power [dBm]	Reduced Scenario Maximum Allowed Tune Up Power [dBm]	Maximum Measured Power [dBm]	Reduced Measured Power [dBm]	Verdict
Ant 3A	2.4 GHz Bluetooth	Main Band 3A/3B ON	12	7.5	9.52	5.8	PASS
	2.4 GHz Bluetooth	ULCA ON	12	5	9.52	3.34	PASS
	2.4 GHz Thread	Main band Ant 1A/1B ON and 5/6 GHZ WLAN 3B ON	12.5	8	10.4	6.32	PASS
	2.4 GHz Thread	Main band Ant 2 ON and 5/6 GHz WLAN Ant 3B ON	12.5	8	10.4	6.32	PASS
	2.4 GHz Thread	Main band Ant 3A/3B ON and 5/6 GHz WLAN Ant 3B ON	12.5	5.5	10.4	3.66	PASS
	2.4 GHz Thread	Main Band Ant 4 ON and 5/6 GHz WLAN Ant 3B ON	12.5	8	10.4	6.32	PASS
	2.4 GHz Bluetooth	ULCA ON and 5/6 GHz WLAN 3B ON	12	5	9.52	3.54	PASS
	2.4 GHz Bluetooth	5/6 GHz WLAN Ant 3B ON	12	7.5	9.52	6.12	PASS
Ant 1A	2.4 GHz Thread	Main Band 1A/1B ON	12.5	8	10.88	6.6	PASS
	2.4 GHz Thread	ULCA ON	12.5	5.5	10.88	4.19	PASS
	2.4 GHz Bluetooth	Main band Ant 1A/1B ON and 5/6 GHZ WLAN 1B ON	12.5	5.5	11.02	4.05	PASS
	2.4 GHz Bluetooth	Main band Ant 2 ON and 5/6 GHZ WLAN 1B ON	12.5	8	11.02	6.52	PASS
	2.4 GHz Bluetooth	Main band Ant 3A/3B ON and 5/6 GHZ WLAN 1B ON	12.5	8	11.02	6.52	PASS
	2.4 GHz Bluetooth	Main band Ant 4 ON and 5/6 GHZ WLAN 1B ON	12.5	8	11.02	6.6	PASS
	2.4 GHz Thread	ULCA ON and 5/6 GHz WLAN 1B ON	12.5	5.5	10.88	4.19	PASS
	2.4 GHz Thread	5/6 GHZ WLAN 1B ON	12.5	8	10.88	6.6	PASS

Per manufacturer, 2.4 GHz Bluetooth and 802.15.4 share the same antenna path and reduces with the same power backoff when it transmits simultaneously with cellular and 5/6 GHz WLAN antennas. Therefore, conducted power measurements were measured for both mode/bands as shown above and applied condition.

Maximum power will not exceed minimum of (SAR max cap, Reg max cap). Power reduction backoff for simultaneous transmission is applied to SAR max cap for each antenna. Reduced power level will not exceed minimum of (SAR max cap-power reduction backoff, Reg max cap).

Per manufacturer, 2.4 GHz Bluetooth and 802.15.4 share the same antenna path and reduces with the same power backoff when it transmits simultaneously with cellular and 5/6 GHz WLAN antennas. Therefore, conducted

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power measurements were measured for both mode/band as shown above and applied condition. All conducted power measurements were verified to be below the maximum allowed.

8.19 Notes for Bluetooth/802.15.4

- The Bluetooth/802.15.4 chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with identical mechanical structures to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report.
- Bluetooth/802.15.4 SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining Bluetooth/802.15.4 configurations.
- Full power measurements were performed for Variant 1 and Variant 2 per FCC KDB Procedures 248227.

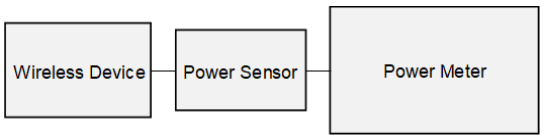

Figure 8-12
Power Measurement Setup

8.20 NB UNII Maximum Conducted Powers

Table 8-167
NB UNII 1 Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Average
HDR4	U-NII 1	5162	9.67
		5204	9.6
		5245	9.85

Table 8-168
NB UNII 1 Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Average
HDR4	U-NII 1	5162	9.23
		5204	9.38
		5245	9.44

Table 8-169
NB UNII 1 Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Average
HDR4	U-NII 1	5162	10.94
		5204	10.88
		5245	10.86

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Table 8-170
NB UNII 1 Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Average
HDR4	U-NII 1	5162	10.53
		5204	10.88
		5245	10.5

Table 8-171
NB UNII 1 Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Average
HDR4	U-NII 1	5162	11.62
		5204	11.45
		5245	11.58

Table 8-172
NB UNII 1 Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Average
HDR4	U-NII 1	5162	11.35
		5204	11.42
		5245	11.57

Table 8-173
NB UNII 3 Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	10.61
		5789	10.49
		5844	10.47

Table 8-174
NB UNII 3 Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	10.59
		5789	10.91
		5844	10.30

Table 8-175
NB UNII 3 Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	11.32
		5789	10.77
		5844	10.88

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Table 8-176
NB UNII 3 Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	11.11
		5789	11.03
		5844	10.98

Table 8-177
NB UNII 3 Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	12.5
		5789	12.55
		5844	12.49

Table 8-178
NB UNII 3 Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	12.78
		5789	12.69
		5844	12.56

8.21 NB UNII Reduced Conducted Powers

Table 8-179
NB UNII 1, 4.5 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 1	5162	6.36
		5204	6.37
		5245	6.45

Table 8-180
NB UNII 1, 4.5 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 1	5162	6.3
		5204	6.18
		5245	6.35

Table 8-181
NB UNII 1, 4.5 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 1	5162	5.96
		5204	5.98
		5245	5.99

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Table 8-182
NB UNII 1, 4.5 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 1	5162	6.29
		5204	6.16
		5245	6.15

Table 8-183
NB UNII 1, 7.0 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 1	5162	3.96
		5204	3.98
		5245	4.14

Table 8-184
NB UNII 1 7.0 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 1	5162	4.05
		5204	4.12
		5245	4.25

Table 8-185
NB UNII 1, 7.0 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 1	5162	2.87
		5204	2.68
		5245	2.64

Table 8-186
NB UNII 1, 7.0 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 1	5162	2.67
		5204	2.8
		5245	2.81

Table 8-187
NB UNII 1, 7.0 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Average
HDR	U-NII 1	5162	11.02
		5204	10.93
		5245	10.74

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Table 8-188
NB UNII 1, 7.0 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Average
HDR	U-NII 1	5162	10.79
		5204	10.84
		5245	10.74

Table 8-189
NB UNII 3, 4.5 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	5.29
		5789	5.11
		5844	4.81

Table 8-190
NB UNII 3, 4.5 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	5.42
		5789	5.54
		5844	5.26

Table 8-191
NB UNII 3, 4.5 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	5.22
		5789	5.34
		5844	5.01

Table 8-192
NB UNII 3, 4.5 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	5.54
		5789	5.31
		5844	5.19

Table 8-193
NB UNII 3, 4.5 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	10.99
		5789	11.07
		5844	11.16

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Table 8-194
NB UNII 3, 4.5 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	10.8
		5789	10.68
		5844	10.53

Table 8-195
NB UNII 3, 7.0 dB Reduced Average RF Power – Antenna 1b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	3.13
		5789	2.92
		5844	2.78

Table 8-196
NB UNII 3, 7.0 dB Reduced Average RF Power – Antenna 1b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	2.96
		5789	3.44
		5844	2.94

Table 8-197
NB UNII 3, 7.0 dB Reduced Average RF Power – Antenna 3b, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	2.6
		5789	2.52
		5844	2.58

Table 8-198
NB UNII 3, 7.0 dB Reduced Average RF Power – Antenna 3b, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	2.51
		5789	2.52
		5844	2.59

Table 8-199
NB UNII 3, 7.0 dB Reduced Average RF Power – Antenna 5T, Variant 1

Type	Band	Frequency	Average
BDR	U-NII 3	5733	8.67
		5789	8.48
		5844	8.56

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Table 8-200
NB UNII 3, 7.0 dB Reduced Average RF Power – Antenna 5T, Variant 2

Type	Band	Frequency	Average
BDR	U-NII 3	5733	8.15
		5789	8.11
		5844	8.07

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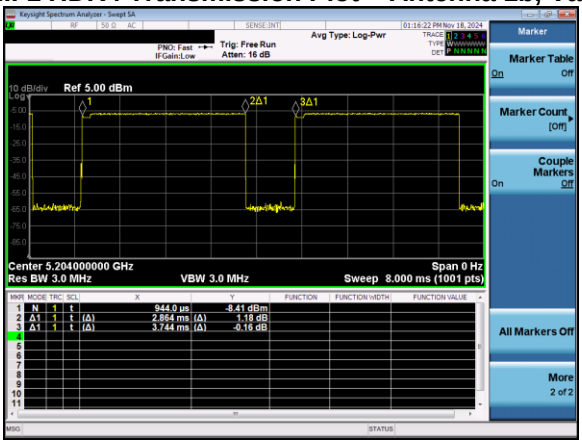
8.22 NB UNII Duty Cycle Plots

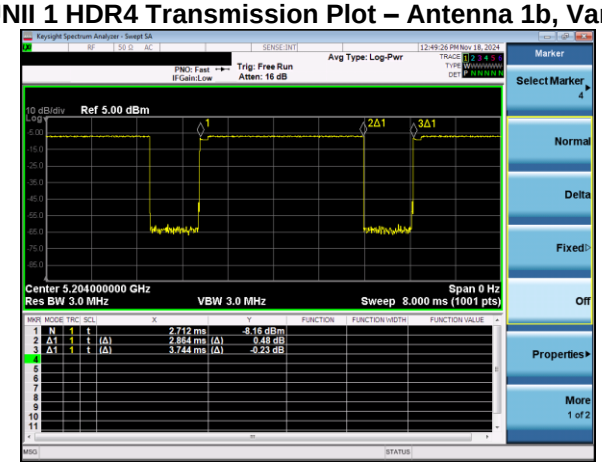
Figure 8-13
NB UNII 1 HDR4 Transmission Plot – Antenna 1b, Variant 1



Equation 8-8
NB UNII 1 HDR4 Duty Cycle Calculation – Antenna 1b, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.864\ ms}{3.744\ ms} * 100\% = 76.50\%$$

Figure 8-14
NB UNII 1 HDR4 Transmission Plot – Antenna 1b, Variant 2



Equation 8-9
NB UNII 1 HDR4 Duty Cycle Calculation – Antenna 1b, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.864\ ms}{3.744\ ms} * 100\% = 76.50\%$$

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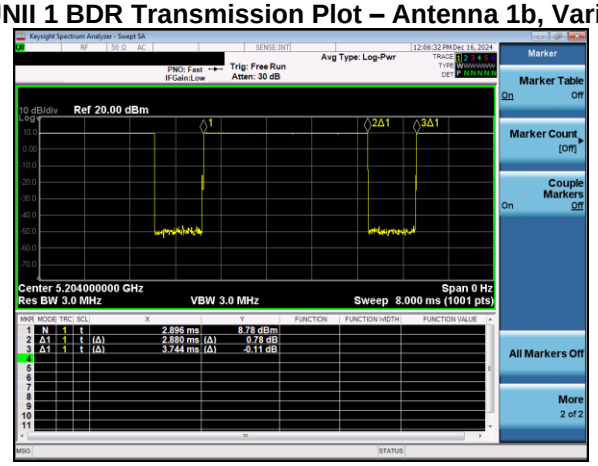
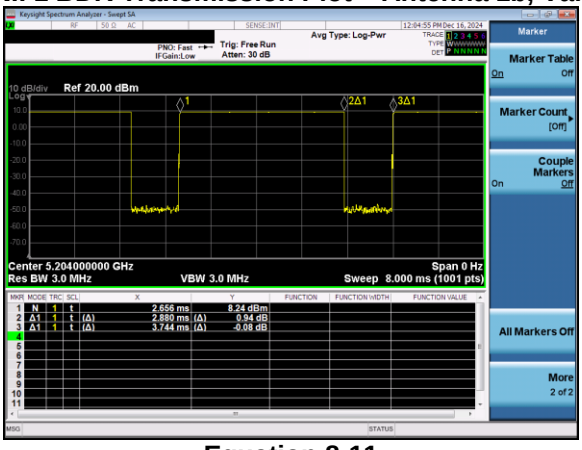
Figure 8-15
NB UNII 1 BDR Transmission Plot – Antenna 1b, Variant 1



Equation 8-10
NB UNII 1 BDR Duty Cycle Calculation – Antenna 1b, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.880\ ms}{3.744\ ms} * 100\% = 76.92\%$$

Figure 8-16
NB UNII 1 BDR Transmission Plot – Antenna 1b, Variant 2



Equation 8-11
NB UNII 1 BDR Duty Cycle Calculation – Antenna 1b, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.880\ ms}{3.744\ ms} * 100\% = 76.92\%$$

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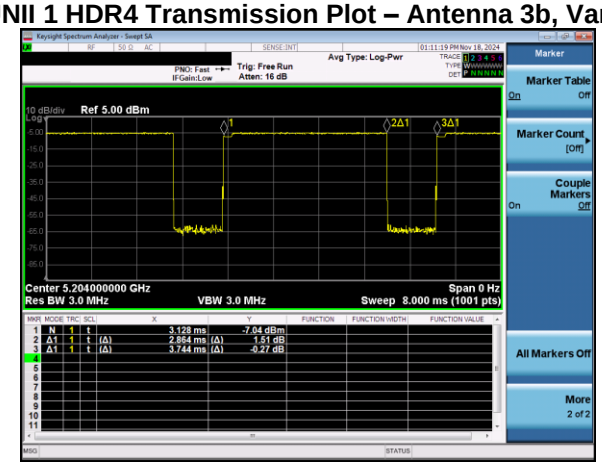
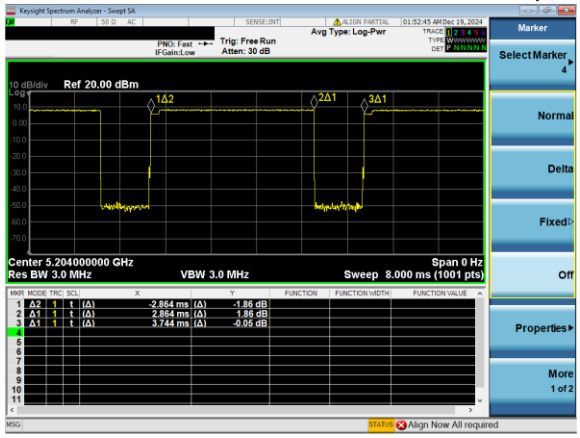
Figure 8-17
NB UNII 1 HDR4 Transmission Plot – Antenna 3b, Variant 1



Equation 8-12
NB UNII 1 HDR4 Duty Cycle Calculation – Antenna 3b, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.864\ ms}{3.744\ ms} * 100\% = 76.50\%$$

Figure 8-18
NB UNII 1 HDR4 Transmission Plot – Antenna 3b, Variant 2



Equation 8-13
NB UNII 1 HDR4 Duty Cycle Calculation – Antenna 3b, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.864\ ms}{3.744\ ms} * 100\% = 76.50\%$$

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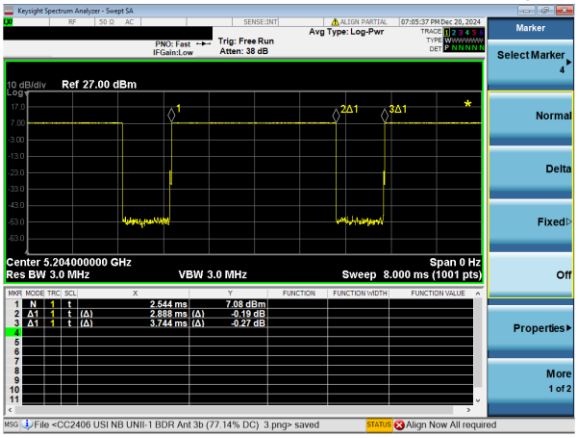
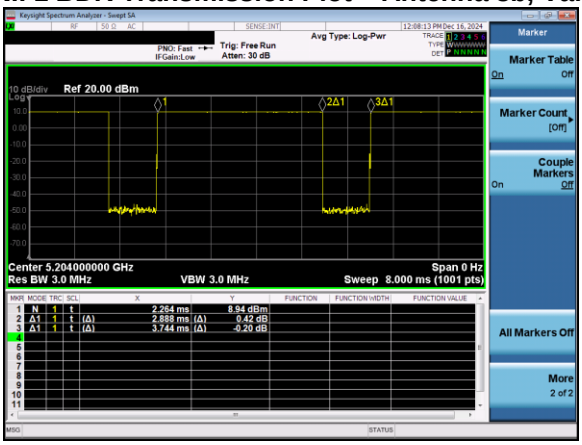
Figure 8-19
NB UNII 1 BDR Transmission Plot – Antenna 3b, Variant 1



Equation 8-14
NB UNII 1 BDR Duty Cycle Calculation – Antenna 3b, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.888\ ms}{3.744\ ms} * 100\% = 77.14\%$$

Figure 8-20
NB UNII 1 BDR Transmission Plot – Antenna 3b, Variant 2



Equation 8-15
NB UNII 1 BDR Duty Cycle Calculation – Antenna 3b, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.888\ ms}{3.744\ ms} * 100\% = 77.14\%$$

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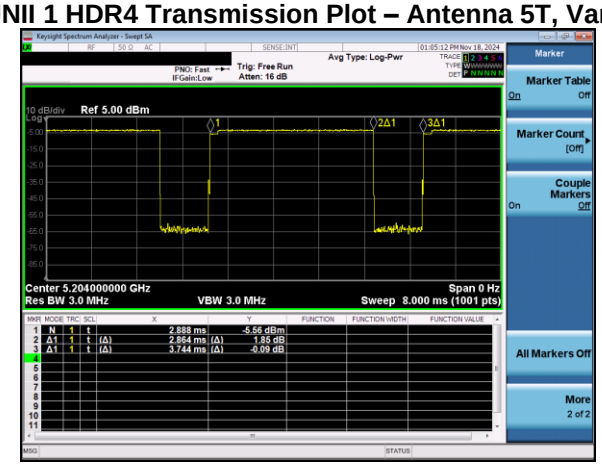
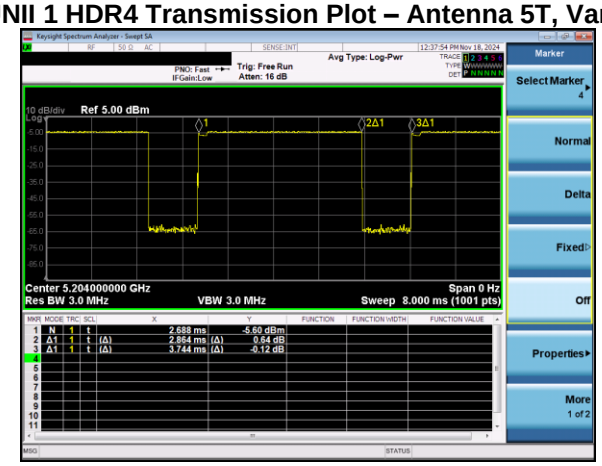
Figure 8-21
NB UNII 1 HDR4 Transmission Plot – Antenna 5T, Variant 1



Equation 8-16
NB UNII 1 HDR4 Duty Cycle Calculation – Antenna 5T, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.864\ ms}{3.744\ ms} * 100\% = 76.50\%$$

Figure 8-22
NB UNII 1 HDR4 Transmission Plot – Antenna 5T, Variant 2



Equation 8-17
NB UNII 1 HDR4 Duty Cycle Calculation – Antenna 5T, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.864\ ms}{3.744\ ms} * 100\% = 76.50\%$$

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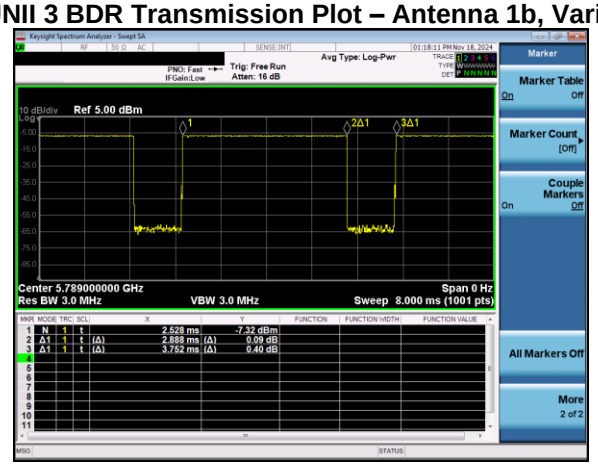
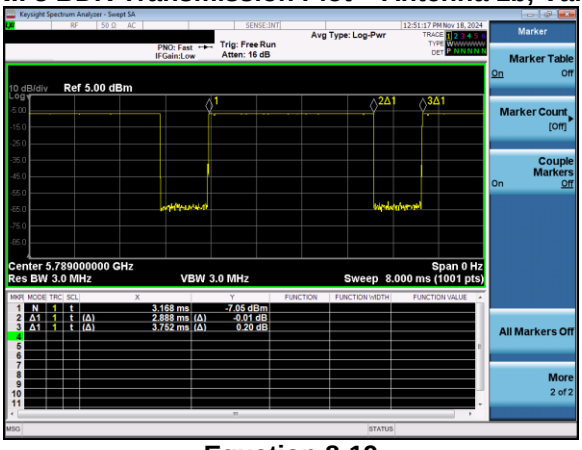
Figure 8-23
NB UNII 3 BDR Transmission Plot – Antenna 1b, Variant 1



Equation 8-18
NB UNII 3 BDR Duty Cycle Calculation – Antenna 1b, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.888\ ms}{3.752\ ms} * 100\% = 76.97\%$$

Figure 8-24
NB UNII 3 BDR Transmission Plot – Antenna 1b, Variant 2



Equation 8-19
NB UNII 3 BDR Duty Cycle Calculation – Antenna 1b, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.888\ ms}{3.752\ ms} * 100\% = 76.97\%$$

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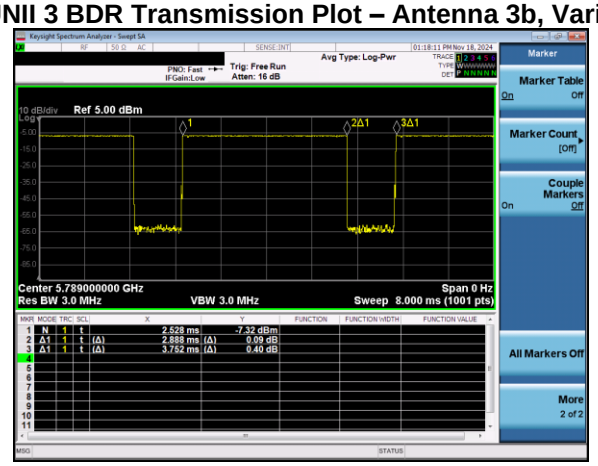
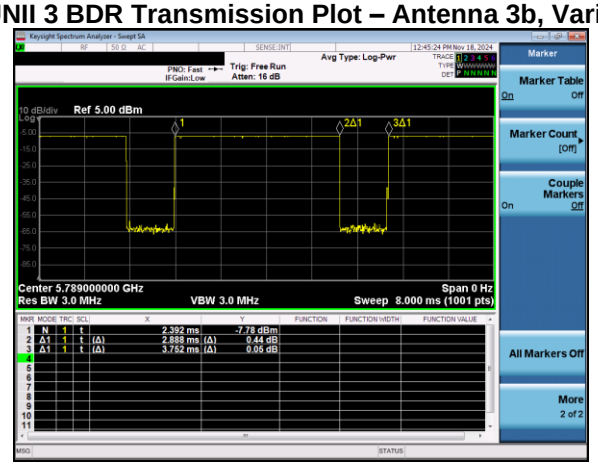
Figure 8-25
NB UNII 3 BDR Transmission Plot – Antenna 3b, Variant 1



Equation 8-20
NB UNII 3 BDR Duty Cycle Calculation – Antenna 3b, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.888\ ms}{3.752\ ms} * 100\% = 76.97\%$$

Figure 8-26
NB UNII 3 BDR Transmission Plot – Antenna 3b, Variant 2



Equation 8-21
NB UNII 3 BDR Duty Cycle Calculation – Antenna 3b, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.888\ ms}{3.752\ ms} * 100\% = 76.97\%$$

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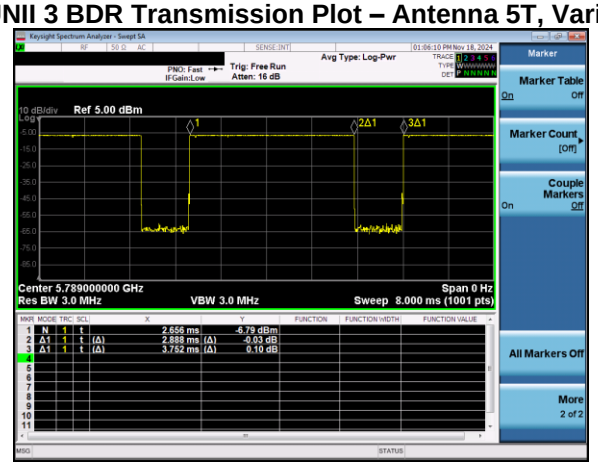
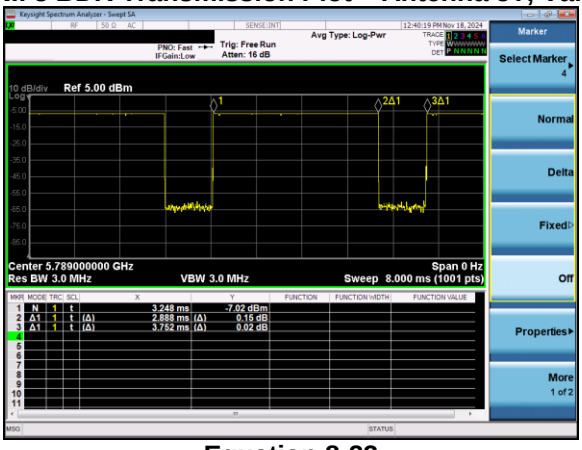
Figure 8-27
NB UNII 3 BDR Transmission Plot – Antenna 5T, Variant 1



Equation 8-22
NB UNII 3 BDR Duty Cycle Calculation – Antenna 5T, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.888\ ms}{3.752\ ms} * 100\% = 76.97\%$$

Figure 8-28
NB UNII 3 BDR Transmission Plot – Antenna 5T, Variant 2



Equation 8-23
NB UNII 3 BDR Duty Cycle Calculation – Antenna 5T, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.888\ ms}{3.752\ ms} * 100\% = 76.97\%$$

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8.23 NB UNII Power Reduction Verification Summary

Table 8-201
NB UNII Power Reduction Verification

Antenna	Mode/Band	Condition (s)	Maximum Scenario Maximum Allowed Tune Up Power [dBm]	Reduced Scenario Maximum Allowed Tune Up Power [dBm]	Maximum Measured Power [dBm]	Reduced Measured Power [dBm]	Verdict
Ant 3B	NB UNII	Main Band 3A/3B ON	11.5	7	9.96	5.29	PASS
	NB UNII	ULCA ON	11.5	4.5	9.96	3.04	PASS
	NB UNII	2.4 GHz WLAN Ant 3A/1A ON	11.5	7	9.96	5.29	PASS
	NB UNII	ULCA ON an 2.4 GHz WLAN 3A ON	11.5	4.5	9.96	3.04	PASS
	NB UNII	Main band Ant 1A/1B ON and 2.4 GHZ WLAN 3A/1A ON	11.5	7	9.96	5.29	PASS
	NB UNII	Main band Ant 2 ON and 2.4 GHZ WLAN 3A/1A ON	11.5	7	9.96	5.29	PASS
	NB UNII	Main band Ant 3A/3B ON and 2.4 GHZ WLAN 3A/1A ON	11.5	4.5	9.96	3.04	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHZ WLAN 3A/1A ON	11.5	7	9.96	5.14	PASS
Ant 5T	NB UNII	Main Band 3A/3B ON	13.5	12	11.5	11	PASS
	NB UNII	ULCA ON	13.5	9.5	11.5	8.04	PASS
	NB UNII	2.4 GHz WLAN Ant 3A/1A ON	13.5	12	11.5	10.8	PASS
	NB UNII	ULCA ON an 2.4 GHz WLAN 3A/1A ON	13.5	9.5	11.5	8.04	PASS
	NB UNII	Main band Ant 3A/3B ON and 2.4 GHZ WLAN 3A/1A ON	13.5	9.5	11.5	8.04	PASS
	NB UNII	Main band Ant 1A/1B ON and 2.4 GHZ WLAN 3A/1A ON	13.5	12	11.5	10.8	PASS
	NB UNII	Main band Ant 2 ON and 2.4 GHZ WLAN 3A/1A ON	13.5	12	11.5	10.8	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHZ WLAN 3A/1A ON	13.5	12	11.5	10.8	PASS
Ant 1B	NB UNII	Main Band 1A/1B ON	11	6.5	9.25	5.12	PASS
	NB UNII	ULCA ON	11	4	9.25	3.28	PASS
	NB UNII	2.4 GHz WLAN Ant 3A/1A ON	11	6.5	9.25	5.12	PASS
	NB UNII	ULCA ON an 2.4 GHz WLAN 3A/1A ON	11	4	9.25	3.28	PASS
	NB UNII	Main band Ant 1A/1B ON and 2.4 GHZ WLAN 3A/1A ON	11	4	9.25	3.28	PASS
	NB UNII	Main band Ant 2 ON and 2.4 GHZ WLAN 3A/1A ON	11	6.5	9.25	5.12	PASS
	NB UNII	Main band Ant 3A/3B ON and 2.4 GHZ WLAN 3A/1A ON	11	6.5	9.25	5.12	PASS
	NB UNII	Main band Ant 4 ON and 2.4 GHZ WLAN 3A/1A ON	11	6.5	9.25	5.12	PASS

NB UNII max power will not exceed minimum of (SAR max cap, Reg max cap). Power reduction backoff for simultaneous transmission is applied to SAR max cap for each antenna. Reduced power level will not exceed minimum of (SAR max cap-power reduction backoff, Reg max cap).

Maximum power will not exceed minimum of (SAR max cap, Reg max cap). Power reduction backoff for simultaneous transmission is applied to SAR max cap for each antenna. Reduced power level will not exceed minimum of (SAR max cap-power reduction backoff, Reg max cap).

Conducted powers were measured for each Mode/Band and applied condition. All conducted power measurements were verified to be within tolerance.

8.24 Notes for NB UNII

- The NB UNII chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with identical mechanical structure to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report.
- NB UNII SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining NB UNII configurations.
- Full power measurements were performed for Variant 1 and Variant 2 per FCC KDB Procedures 248227.

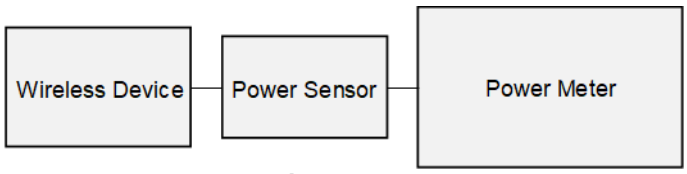

Figure 8-29

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9 SYSTEM VERIFICATION

9.1 Tissue Verification

Table 9-1
Measured Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
12/09/2024	30 Head	24.7	12	0.755	52.524	0.750	55.000	0.67%	-4.50%
			13	0.755	52.448	0.750	55.000	0.67%	-4.64%
			14	0.755	52.390	0.750	55.000	0.67%	-4.75%
10/31/2024	750 Head	20.4	680	0.859	41.370	0.888	42.305	-3.27%	-2.21%
			695	0.864	41.328	0.889	42.227	-2.81%	-2.13%
			710	0.869	41.284	0.890	42.149	-2.36%	-2.05%
			725	0.874	41.237	0.891	42.071	-1.91%	-1.98%
			750	0.882	41.153	0.894	41.942	-1.34%	-1.88%
			770	0.889	41.088	0.895	41.838	-0.67%	-1.79%
			785	0.894	41.055	0.896	41.760	-0.22%	-1.69%
			800	0.900	41.027	0.897	41.682	0.33%	-1.57%
10/31/2024	750 Head	21.4	700	0.898	41.154	0.887	42.167	1.24%	-2.40%
			680	0.891	41.220	0.888	42.305	0.34%	-2.56%
			695	0.896	41.170	0.889	42.227	0.79%	-2.50%
			700	0.898	41.154	0.889	42.201	1.01%	-2.48%
			710	0.901	41.113	0.890	42.149	1.24%	-2.46%
			725	0.906	41.056	0.891	42.071	1.68%	-2.41%
			750	0.914	40.979	0.894	41.942	2.24%	-2.30%
			770	0.921	40.923	0.895	41.838	2.91%	-2.19%
			785	0.926	40.878	0.896	41.760	3.35%	-2.11%
			800	0.931	40.828	0.897	41.682	3.79%	-2.05%
11/04/2024	750 Head	20.5	680	0.858	40.833	0.888	42.305	-3.38%	-3.48%
			695	0.863	40.768	0.889	42.227	-2.92%	-3.46%
			700	0.864	40.740	0.889	42.201	-2.81%	-3.46%
			710	0.868	40.701	0.890	42.149	-2.47%	-3.44%
			725	0.873	40.650	0.891	42.071	-2.02%	-3.38%
			750	0.880	40.606	0.894	41.942	-1.57%	-3.19%
			770	0.887	40.593	0.895	41.838	-0.89%	-2.98%
			785	0.892	40.578	0.896	41.760	-0.45%	-2.83%
			800	0.898	40.543	0.897	41.682	0.11%	-2.73%
11/04/2024	750 Head	20.6	680	0.879	40.935	0.888	42.305	-1.01%	-3.24%
			695	0.884	40.887	0.889	42.227	-0.56%	-3.17%
			700	0.885	40.875	0.889	42.201	-0.45%	-3.14%
			710	0.888	40.844	0.890	42.149	-0.22%	-3.10%
			725	0.893	40.785	0.891	42.071	0.22%	-3.06%
			750	0.902	40.681	0.894	41.942	0.89%	-3.01%
			770	0.908	40.617	0.895	41.838	1.45%	-2.92%
			785	0.914	40.584	0.896	41.760	2.01%	-2.82%
			800	0.919	40.543	0.897	41.682	2.45%	-2.73%
11/08/2024	750 Head	21.0	680	0.878	41.383	0.888	42.305	-1.13%	-2.18%
			695	0.883	41.327	0.889	42.227	-0.67%	-2.13%
			700	0.885	41.310	0.889	42.201	-0.45%	-2.11%
			710	0.888	41.274	0.890	42.149	-0.22%	-2.08%
			725	0.893	41.237	0.891	42.071	0.22%	-1.98%
			750	0.901	41.151	0.894	41.942	0.78%	-1.89%
			770	0.907	41.088	0.895	41.838	1.34%	-1.79%
			785	0.913	41.057	0.896	41.760	1.90%	-1.68%
			800	0.919	41.022	0.897	41.682	2.45%	-1.58%
12/09/2024	750 Head	20.2	680	0.859	41.668	0.888	42.305	-3.27%	-1.51%
			695	0.864	41.629	0.889	42.227	-2.81%	-1.42%
			700	0.866	41.617	0.889	42.201	-2.59%	-1.38%
			710	0.869	41.589	0.890	42.149	-2.36%	-1.33%
			725	0.873	41.534	0.891	42.071	-2.02%	-1.28%
			750	0.881	41.456	0.894	41.942	-1.45%	-1.16%
			770	0.887	41.408	0.895	41.838	-0.89%	-1.03%
			785	0.893	41.378	0.896	41.760	-0.33%	-0.91%
			800	0.898	41.341	0.897	41.682	0.11%	-0.82%
11/01/2024	835 Head	20.4	815	0.866	40.372	0.898	41.594	-3.56%	-2.94%
			820	0.871	40.312	0.899	41.578	-3.11%	-3.04%
			835	0.885	40.121	0.900	41.500	-1.67%	-3.32%
			850	0.899	39.918	0.916	41.500	-1.86%	-3.81%
11/04/2024	835 Head	20.4	815	0.886	40.707	0.898	41.594	-1.34%	-2.13%
			820	0.891	40.633	0.899	41.578	-0.89%	-2.27%
			835	0.906	40.416	0.900	41.500	0.67%	-2.61%
			850	0.920	40.212	0.916	41.500	0.44%	-3.10%
11/06/2024	835 Head	20.8	815	0.881	41.210	0.898	41.594	-1.89%	-0.92%
			820	0.886	41.141	0.899	41.578	-1.45%	-1.05%
			835	0.901	40.941	0.900	41.500	0.11%	-1.35%
			850	0.915	40.750	0.916	41.500	-0.11%	-1.81%
11/11/2024	835 Head	20.0	815	0.887	40.899	0.898	41.594	-1.22%	-1.67%
			820	0.891	40.829	0.899	41.578	-0.89%	-1.80%
			835	0.906	40.635	0.900	41.500	0.67%	-2.08%
			850	0.920	40.448	0.916	41.500	0.44%	-2.53%
11/15/2024	1750 Head	22.2	1700	1.359	38.552	1.343	40.145	1.19%	-3.97%
			1705	1.363	38.533	1.345	40.141	1.34%	-4.01%
			1710	1.368	38.513	1.348	40.136	1.48%	-4.04%
			1720	1.377	38.475	1.354	40.126	1.70%	-4.11%
			1745	1.401	38.383	1.368	40.087	2.41%	-4.25%
			1750	1.406	38.363	1.371	40.079	2.55%	-4.28%
			1770	1.424	38.277	1.383	40.047	2.96%	-4.42%
			1790	1.442	38.199	1.394	40.016	3.44%	-4.54%

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Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
11/18/2024	1750 Head	22.7	1700	1.370	39.449	1.343	40.145	2.01%	-1.73%
			1705	1.375	39.432	1.345	40.141	2.23%	-1.77%
			1710	1.379	39.415	1.348	40.136	2.30%	-1.80%
			1720	1.389	39.379	1.354	40.126	2.58%	-1.86%
			1745	1.413	39.262	1.368	40.087	3.29%	-2.06%
			1750	1.418	39.236	1.371	40.079	3.43%	-2.10%
			1770	1.437	39.149	1.383	40.047	3.90%	-2.24%
			1790	1.455	39.061	1.394	40.016	4.38%	-2.39%
11/20/2024	1750 Head	21.7	1700	1.359	38.426	1.343	40.145	1.19%	-4.28%
			1705	1.363	38.403	1.345	40.141	1.34%	-4.33%
			1710	1.368	38.379	1.348	40.136	1.48%	-4.38%
			1720	1.377	38.326	1.354	40.126	1.70%	-4.49%
			1745	1.400	38.208	1.368	40.087	2.34%	-4.69%
			1750	1.405	38.183	1.371	40.079	2.48%	-4.73%
			1770	1.423	38.115	1.383	40.047	2.89%	-4.82%
			1790	1.441	38.054	1.394	40.016	3.37%	-4.90%
11/26/2024	1750 Head	23.0	1700	1.357	38.577	1.343	40.145	1.04%	-3.91%
			1705	1.361	38.553	1.345	40.141	1.19%	-3.96%
			1710	1.365	38.532	1.348	40.136	1.26%	-4.00%
			1720	1.374	38.493	1.354	40.126	1.48%	-4.07%
			1745	1.399	38.381	1.368	40.087	2.27%	-4.26%
			1750	1.405	38.360	1.371	40.079	2.48%	-4.29%
			1770	1.425	38.296	1.383	40.047	3.04%	-4.37%
			1790	1.443	38.217	1.394	40.016	3.52%	-4.50%
11/04/2024	1900 Head	22.0	1850	1.370	39.090	1.400	40.000	-2.14%	-2.27%
			1860	1.381	39.037	1.400	40.000	-1.36%	-2.41%
			1880	1.401	38.951	1.400	40.000	0.07%	-2.62%
			1900	1.421	38.873	1.400	40.000	1.50%	-2.82%
			1905	1.425	38.850	1.400	40.000	1.79%	-2.88%
			1910	1.430	38.831	1.400	40.000	2.14%	-2.92%
			1920	1.440	38.792	1.400	40.000	2.86%	-3.02%
11/06/2024	1900 Head	23.0	1850	1.331	38.649	1.400	40.000	-4.93%	-3.38%
			1860	1.341	38.598	1.400	40.000	-4.21%	-3.51%
			1880	1.361	38.500	1.400	40.000	-2.79%	-3.75%
			1900	1.381	38.422	1.400	40.000	-1.36%	-3.95%
			1905	1.387	38.405	1.400	40.000	-0.93%	-3.99%
			1910	1.392	38.385	1.400	40.000	-0.57%	-4.04%
			1920	1.401	38.346	1.400	40.000	0.07%	-4.14%
11/01/2024	2450 Head	24.5	2300	1.632	38.565	1.670	39.500	-2.28%	-2.37%
			2310	1.644	38.529	1.679	39.480	-2.08%	-2.41%
			2320	1.656	38.493	1.687	39.460	-1.84%	-2.45%
			2400	1.743	38.187	1.756	39.289	-0.74%	-2.80%
			2450	1.801	37.992	1.800	39.200	0.06%	-3.08%
			2480	1.832	37.865	1.833	39.162	-0.05%	-3.31%
			2500	1.854	37.786	1.855	39.136	-0.05%	-3.45%
			2510	1.865	37.749	1.866	39.123	-0.05%	-3.51%
			2535	1.891	37.643	1.893	39.092	-0.11%	-3.71%
			2550	1.908	37.579	1.909	39.073	-0.05%	-3.82%
			2560	1.919	37.542	1.920	39.060	-0.05%	-3.89%
			2600	1.965	37.402	1.964	39.009	0.05%	-4.12%
			2650	2.021	37.203	2.018	38.945	0.15%	-4.47%
			2680	2.056	37.081	2.051	38.907	0.24%	-4.69%
			2700	2.077	37.000	2.073	38.882	0.19%	-4.84%
11/02/2024	2450 Head	24.4	2300	1.666	38.347	1.670	39.500	-0.24%	-2.92%
			2310	1.677	38.310	1.679	39.480	-0.12%	-2.96%
			2320	1.689	38.277	1.687	39.460	0.12%	-3.00%
			2400	1.778	37.957	1.756	39.289	1.25%	-3.39%
			2450	1.836	37.753	1.800	39.200	2.00%	-3.69%
			2480	1.870	37.629	1.833	39.162	2.02%	-3.91%
			2500	1.893	37.558	1.855	39.136	2.05%	-4.03%
			2510	1.904	37.523	1.866	39.123	2.04%	-4.09%
			2535	1.933	37.426	1.893	39.092	2.11%	-4.26%
			2550	1.950	37.369	1.909	39.073	2.15%	-4.36%
			2560	1.961	37.326	1.920	39.060	2.14%	-4.44%
			2600	2.008	37.154	1.964	39.009	2.24%	-4.76%
11/04/2024	2450 Head	24.4	2300	1.633	38.445	1.670	39.500	-2.22%	-2.67%
			2310	1.643	38.405	1.679	39.480	-2.14%	-2.72%
			2320	1.654	38.371	1.687	39.460	-1.96%	-2.76%
			2400	1.743	38.072	1.756	39.289	-0.74%	-3.10%
			2450	1.798	37.894	1.800	39.200	-0.11%	-3.33%
			2480	1.830	37.765	1.833	39.162	-0.16%	-3.57%
			2500	1.852	37.683	1.855	39.136	-0.16%	-3.71%
			2510	1.863	37.650	1.866	39.123	-0.16%	-3.77%
			2535	1.891	37.557	1.893	39.092	-0.11%	-3.93%
			2550	1.909	37.500	1.909	39.073	0.00%	-4.03%
			2560	1.921	37.462	1.920	39.060	0.05%	-4.09%
			2600	1.965	37.294	1.964	39.009	0.05%	-4.40%
			2650	2.024	37.102	2.018	38.945	0.30%	-4.73%
			2680	2.058	36.974	2.051	38.907	0.34%	-4.97%

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Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
11/05/2024	2450 Head	19.0	2300	1.696	38.204	1.670	39.500	1.56%	-3.28%
			2310	1.704	38.194	1.679	39.480	1.49%	-3.26%
			2320	1.711	38.179	1.687	39.460	1.42%	-3.25%
			2400	1.772	38.050	1.756	39.289	0.91%	-3.15%
			2450	1.809	37.983	1.800	39.200	0.50%	-3.10%
			2480	1.833	37.920	1.833	39.162	0.00%	-3.17%
			2500	1.849	37.888	1.855	39.136	-0.32%	-3.19%
			2510	1.857	37.873	1.866	39.123	-0.48%	-3.20%
			2535	1.877	37.839	1.893	39.092	-0.85%	-3.21%
			2550	1.889	37.817	1.909	39.073	-1.05%	-3.21%
			2560	1.897	37.802	1.920	39.060	-1.20%	-3.22%
			2600	1.931	37.731	1.964	39.009	-1.68%	-3.28%
			2650	1.973	37.642	2.018	38.945	-2.23%	-3.35%
			2680	1.998	37.578	2.051	38.907	-2.58%	-3.42%
			2700	2.015	37.535	2.073	38.882	-2.80%	-3.46%
11/13/2024	2450 Head	19.2	2300	1.698	38.267	1.670	39.500	1.68%	-3.12%
			2310	1.706	38.253	1.679	39.480	1.61%	-3.11%
			2320	1.714	38.239	1.687	39.460	1.60%	-3.09%
			2400	1.775	38.102	1.756	39.289	1.08%	-3.02%
			2450	1.814	38.030	1.800	39.200	0.78%	-2.98%
			2480	1.837	37.967	1.833	39.162	0.22%	-3.05%
			2500	1.853	37.927	1.855	39.136	-0.11%	-3.09%
			2510	1.862	37.908	1.866	39.123	-0.21%	-3.11%
			2535	1.883	37.884	1.893	39.092	-0.53%	-3.09%
			2550	1.895	37.867	1.909	39.073	-0.73%	-3.09%
			2560	1.904	37.849	1.920	39.060	-0.83%	-3.10%
			2600	1.936	37.753	1.964	39.009	-1.43%	-3.22%
			2650	1.979	37.683	2.018	38.945	-1.93%	-3.24%
			2680	2.003	37.616	2.051	38.907	-2.34%	-3.32%
			2700	2.020	37.562	2.073	38.882	-2.56%	-3.39%
11/15/2024	2450 Head	19.1	2300	1.692	38.850	1.670	39.500	1.32%	-1.65%
			2310	1.700	38.841	1.679	39.480	1.25%	-1.62%
			2320	1.708	38.833	1.687	39.460	1.24%	-1.59%
			2400	1.768	38.684	1.756	39.289	0.68%	-1.54%
			2450	1.807	38.616	1.800	39.200	0.39%	-1.49%
			2480	1.829	38.546	1.833	39.162	-0.22%	-1.57%
			2500	1.846	38.510	1.855	39.136	-0.49%	-1.60%
			2510	1.855	38.489	1.866	39.123	-0.59%	-1.62%
			2535	1.875	38.459	1.893	39.092	-0.95%	-1.62%
			2550	1.886	38.447	1.909	39.073	-1.20%	-1.60%
			2560	1.893	38.429	1.920	39.060	-1.41%	-1.62%
			2600	1.925	38.331	1.964	39.009	-1.99%	-1.74%
			2650	1.967	38.255	2.018	38.945	-2.53%	-1.77%
			2680	1.987	38.185	2.051	38.907	-3.12%	-1.86%
			2700	2.003	38.137	2.073	38.882	-3.38%	-1.92%
11/20/2024	2450 Head	24.6	2300	1.704	39.147	1.670	39.500	2.04%	-0.89%
			2310	1.715	39.111	1.679	39.480	2.14%	-0.93%
			2320	1.726	39.074	1.687	39.460	2.31%	-0.98%
			2400	1.818	38.770	1.756	39.289	3.53%	-1.32%
			2450	1.873	38.581	1.800	39.200	4.06%	-1.58%
			2480	1.910	38.462	1.833	39.162	4.20%	-1.79%
			2500	1.935	38.380	1.855	39.136	4.31%	-1.93%
			2510	1.946	38.342	1.866	39.123	4.29%	-2.00%
			2535	1.974	38.245	1.893	39.092	4.28%	-2.17%
			2550	1.990	38.181	1.909	39.073	4.24%	-2.28%
			2560	2.001	38.139	1.920	39.060	4.22%	-2.36%
			2600	2.051	37.965	1.964	39.009	4.43%	-2.68%
			2650	2.108	37.764	2.018	38.945	4.46%	-3.03%
			2680	2.143	37.645	2.051	38.907	4.49%	-3.24%
			2700	2.166	37.558	2.073	38.882	4.49%	-3.41%
11/06/2024	3600 Head	20.0	3300	2.625	38.655	2.708	38.157	-3.06%	1.31%
			3350	2.670	38.498	2.759	38.100	-3.23%	1.04%
			3450	2.749	38.336	2.861	37.986	-3.91%	0.92%
			3500	2.807	38.237	2.913	37.929	-3.64%	0.81%
			3550	2.845	38.148	2.964	37.871	-4.01%	0.73%
			3560	2.856	38.100	2.974	37.860	-3.97%	0.63%
			3600	2.900	38.050	3.015	37.814	-3.81%	0.62%
			3650	2.943	37.974	3.066	37.757	-4.01%	0.57%
			3690	2.990	37.864	3.107	37.711	-3.77%	0.41%
			3700	3.002	37.843	3.117	37.700	-3.69%	0.38%
			3750	3.053	37.799	3.169	37.643	-3.66%	0.41%
			3900	3.217	37.515	3.323	37.471	-3.19%	0.12%
			3930	3.253	37.493	3.353	37.437	-2.98%	0.15%
			4100	3.434	37.218	3.528	37.243	-2.66%	-0.07%
			4150	3.482	37.214	3.579	37.186	-2.71%	0.08%

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Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
11/06/2024	3600 Head	19.0	3300	2.688	37.276	2.708	38.157	-0.74%	-2.31%
			3350	2.734	37.223	2.759	38.100	-0.91%	-2.30%
			3450	2.821	37.058	2.861	37.986	-1.40%	-2.44%
			3500	2.854	36.956	2.913	37.929	-2.03%	-2.57%
			3550	2.904	36.884	2.964	37.871	-2.02%	-2.61%
			3560	2.909	36.854	2.974	37.860	-2.19%	-2.63%
			3600	2.941	36.794	3.015	37.814	-2.45%	-2.70%
			3650	2.990	36.703	3.066	37.757	-2.48%	-2.79%
			3690	3.015	36.631	3.107	37.711	-2.96%	-2.86%
			3700	3.026	36.614	3.117	37.700	-2.92%	-2.88%
			3750	3.078	36.547	3.169	37.643	-2.87%	-2.91%
			3900	3.217	36.314	3.323	37.471	-3.19%	-3.09%
			3930	3.248	36.282	3.353	37.437	-3.13%	-3.09%
			4100	3.406	36.035	3.528	37.243	-3.46%	-3.24%
			4150	3.443	36.010	3.579	37.186	-3.80%	-3.16%
11/09/2024	3600 Head	19.0	3300	2.712	37.202	2.708	38.157	0.15%	-2.50%
			3350	2.749	37.090	2.759	38.100	-0.36%	-2.65%
			3450	2.830	36.939	2.861	37.986	-1.08%	-2.76%
			3500	2.879	36.868	2.913	37.929	-1.17%	-2.80%
			3550	2.917	36.791	2.964	37.871	-1.59%	-2.85%
			3560	2.926	36.757	2.974	37.860	-1.61%	-2.91%
			3600	2.961	36.706	3.015	37.814	-1.79%	-2.93%
			3650	3.004	36.645	3.066	37.757	-2.02%	-2.95%
			3690	3.043	36.573	3.107	37.711	-2.06%	-3.02%
			3700	3.053	36.552	3.117	37.700	-2.05%	-3.05%
			3750	3.093	36.486	3.169	37.643	-2.40%	-3.07%
			3900	3.236	36.270	3.323	37.471	-2.62%	-3.21%
			3930	3.262	36.218	3.353	37.437	-2.71%	-3.26%
			4100	3.427	35.958	3.528	37.243	-2.86%	-3.45%
			4150	3.469	35.920	3.579	37.186	-3.07%	-3.40%
11/24/2024	3600 Head	19.0	3300	2.633	38.489	2.708	38.157	-2.77%	0.87%
			3350	2.677	38.399	2.759	38.100	-2.97%	0.78%
			3450	2.760	38.228	2.861	37.986	-3.53%	0.64%
			3500	2.805	38.088	2.913	37.929	-3.71%	0.42%
			3550	2.857	38.018	2.964	37.871	-3.61%	0.39%
			3560	2.867	37.998	2.974	37.860	-3.60%	0.36%
			3600	2.905	37.928	3.015	37.814	-3.65%	0.30%
			3650	2.954	37.825	3.066	37.757	-3.65%	0.18%
			3690	2.998	37.742	3.107	37.711	-3.51%	0.08%
			3700	3.009	37.721	3.117	37.700	-3.46%	0.06%
			3750	3.067	37.629	3.169	37.643	-3.22%	-0.04%
			3900	3.224	37.395	3.323	37.471	-2.98%	-0.20%
			3930	3.262	37.342	3.353	37.437	-2.71%	-0.25%
			4100	3.442	37.075	3.528	37.243	-2.44%	-0.45%
			4150	3.494	37.004	3.579	37.186	-2.37%	-0.49%
11/07/2024	5200-5800 Head	19.0	5150	4.449	34.953	4.608	36.050	-3.45%	-3.04%
			5160	4.455	34.943	4.618	36.040	-3.53%	-3.04%
			5170	4.462	34.927	4.629	36.030	-3.61%	-3.06%
			5180	4.473	34.905	4.635	36.009	-3.50%	-3.07%
			5190	4.485	34.877	4.645	35.998	-3.44%	-3.11%
			5200	4.497	34.858	4.655	35.986	-3.39%	-3.13%
			5210	4.509	34.848	4.666	35.975	-3.36%	-3.13%
			5220	4.520	34.830	4.676	35.963	-3.34%	-3.15%
			5240	4.546	34.780	4.696	35.940	-3.19%	-3.23%
			5250	4.555	34.765	4.706	35.929	-3.21%	-3.24%
			5260	4.563	34.756	4.717	35.917	-3.26%	-3.23%
			5270	4.572	34.741	4.727	35.906	-3.28%	-3.24%
			5280	4.584	34.717	4.737	35.894	-3.23%	-3.28%
			5290	4.596	34.690	4.748	35.883	-3.20%	-3.32%
			5300	4.606	34.673	4.758	35.871	-3.19%	-3.34%
			5310	4.616	34.659	4.768	35.860	-3.19%	-3.35%
			5320	4.631	34.644	4.778	35.849	-3.08%	-3.36%
			5500	4.827	34.321	4.963	35.643	-2.74%	-3.71%
			5510	4.836	34.305	4.973	35.632	-2.75%	-3.72%
			5520	4.846	34.288	4.983	35.620	-2.75%	-3.74%
			5530	4.860	34.257	4.994	35.609	-2.68%	-3.80%
			5540	4.872	34.227	5.004	35.597	-2.64%	-3.85%
			5550	4.881	34.200	5.014	35.586	-2.65%	-3.89%
			5560	4.889	34.190	5.024	35.574	-2.69%	-3.89%
			5580	4.913	34.179	5.045	35.551	-2.62%	-3.86%
			5600	4.936	34.128	5.065	35.529	-2.55%	-3.94%
			5610	4.949	34.116	5.076	35.518	-2.50%	-3.95%
			5620	4.962	34.100	5.086	35.506	-2.44%	-3.96%
			5640	4.987	34.045	5.106	35.483	-2.33%	-4.05%
			5660	5.012	34.000	5.127	35.460	-2.24%	-4.12%
			5670	5.022	33.994	5.137	35.449	-2.24%	-4.10%
			5680	5.029	33.984	5.147	35.437	-2.29%	-4.10%
			5690	5.038	33.972	5.158	35.426	-2.33%	-4.10%
			5700	5.052	33.952	5.168	35.414	-2.24%	-4.13%
			5710	5.066	33.934	5.178	35.403	-2.16%	-4.15%
			5720	5.076	33.913	5.188	35.391	-2.16%	-4.18%
			5745	5.104	33.851	5.214	35.363	-2.11%	-4.28%
			5750	5.109	33.842	5.219	35.357	-2.11%	-4.28%
			5755	5.114	33.833	5.224	35.351	-2.11%	-4.29%
			5765	5.124	33.816	5.234	35.340	-2.10%	-4.31%
			5775	5.134	33.799	5.245	35.329	-2.12%	-4.33%
			5785	5.147	33.789	5.255	35.317	-2.06%	-4.33%
			5795	5.158	33.771	5.265	35.305	-2.03%	-4.34%
			5800	5.163	33.762	5.270	35.300	-2.03%	-4.36%
			5805	5.168	33.753	5.275	35.294	-2.03%	-4.37%
			5825	5.186	33.724	5.296	35.271	-2.08%	-4.39%
			5835	5.197	33.714	5.305	35.230	-2.04%	-4.30%
			5845	5.208	33.698	5.315	35.210	-2.01%	-4.29%
			5850	5.215	33.691	5.320	35.200	-1.97%	-4.29%
			5855	5.221	33.680	5.325	35.197	-1.95%	-4.31%
			5865	5.237	33.653	5.336	35.190	-1.86%	-4.37%
			5875	5.250	33.625	5.347	35.183	-1.81%	-4.43%
			5885	5.261	33.603	5.357	35.177	-1.79%	-4.47%
			5905	5.280	33.574	5.379	35.163	-1.84%	-4.52%

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Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
11/14/2024	5200-5800 Head	19.7	5150	4.611	34.890	4.608	36.050	0.07%	-3.22%
			5160	4.624	34.874	4.618	36.040	0.13%	-3.24%
			5170	4.641	34.852	4.629	36.030	0.26%	-3.27%
			5180	4.652	34.821	4.635	36.009	0.37%	-3.30%
			5190	4.662	34.792	4.645	35.998	0.37%	-3.35%
			5200	4.674	34.788	4.655	35.988	0.41%	-3.33%
			5210	4.686	34.787	4.666	35.975	0.43%	-3.30%
			5220	4.695	34.775	4.676	35.963	0.41%	-3.30%
			5240	4.713	34.708	4.696	35.940	0.36%	-3.43%
			5250	4.725	34.696	4.706	35.929	0.40%	-3.43%
			5260	4.735	34.687	4.717	35.917	0.38%	-3.42%
			5270	4.744	34.678	4.727	35.906	0.36%	-3.42%
			5280	4.757	34.660	4.737	35.894	0.42%	-3.44%
			5290	4.769	34.626	4.748	35.883	0.44%	-3.50%
			5300	4.782	34.598	4.758	35.871	0.50%	-3.55%
			5310	4.790	34.576	4.768	35.860	0.46%	-3.58%
			5320	4.798	34.571	4.778	35.849	0.42%	-3.56%
			5500	4.993	34.263	4.963	35.643	0.60%	-3.87%
			5510	5.004	34.248	4.973	35.632	0.62%	-3.88%
			5520	5.015	34.233	4.983	35.620	0.64%	-3.89%
			5530	5.024	34.215	4.994	35.609	0.60%	-3.91%
			5540	5.035	34.197	5.004	35.597	0.62%	-3.93%
			5550	5.049	34.180	5.014	35.586	0.70%	-3.95%
			5560	5.058	34.159	5.024	35.574	0.68%	-3.98%
			5580	5.073	34.141	5.045	35.551	0.56%	-3.97%
			5600	5.106	34.093	5.065	35.529	0.81%	-4.04%
			5610	5.116	34.075	5.076	35.518	0.79%	-4.06%
			5620	5.126	34.063	5.086	35.506	0.79%	-4.06%
			5640	5.155	34.024	5.106	35.483	0.96%	-4.11%
			5660	5.170	33.976	5.127	35.460	0.84%	-4.18%
			5680	5.185	33.969	5.147	35.437	0.74%	-4.14%
			5690	5.199	33.942	5.158	35.426	0.79%	-4.19%
			5700	5.216	33.913	5.168	35.414	0.93%	-4.24%
			5710	5.229	33.895	5.178	35.403	0.98%	-4.26%
			5720	5.239	33.890	5.188	35.391	0.98%	-4.24%
			5745	5.266	33.845	5.214	35.363	1.00%	-4.29%
			5750	5.272	33.836	5.219	35.357	1.02%	-4.30%
			5755	5.276	33.830	5.224	35.351	1.00%	-4.30%
			5765	5.285	33.818	5.234	35.340	0.97%	-4.31%
			5775	5.298	33.806	5.245	35.329	1.01%	-4.31%
			5785	5.309	33.780	5.255	35.317	1.03%	-4.35%
			5795	5.319	33.755	5.265	35.305	1.03%	-4.39%
			5800	5.323	33.747	5.270	35.300	1.01%	-4.40%
			5805	5.327	33.742	5.275	35.294	0.99%	-4.40%
			5825	5.352	33.714	5.296	35.271	1.06%	-4.41%
			5835	5.364	33.704	5.305	35.230	1.11%	-4.33%
			5845	5.376	33.692	5.315	35.210	1.15%	-4.31%
			5850	5.381	33.689	5.320	35.200	1.15%	-4.29%
			5855	5.388	33.682	5.325	35.197	1.18%	-4.30%
			5865	5.395	33.662	5.336	35.190	1.11%	-4.34%
			5875	5.407	33.632	5.347	35.183	1.12%	-4.41%
			5885	5.417	33.607	5.357	35.177	1.12%	-4.46%
			5905	5.437	33.568	5.379	35.163	1.08%	-4.54%
11/01/2024	6000 Head	19.1	5935	5.174	34.665	5.411	35.143	-4.38%	-1.36%
			5970	5.208	34.638	5.448	35.120	-4.41%	-1.37%
			5985	5.230	34.616	5.464	35.110	-4.28%	-1.41%
			6000	5.250	34.568	5.480	35.100	-4.20%	-1.52%
			6025	5.289	34.490	5.510	35.070	-4.01%	-1.65%
			6065	5.346	34.419	5.557	35.022	-3.80%	-1.72%
			6075	5.360	34.407	5.569	35.010	-3.75%	-1.72%
			6085	5.374	34.390	5.580	34.998	-3.69%	-1.74%
			6185	5.487	34.222	5.698	34.878	-3.70%	-1.88%
			6275	5.609	34.002	5.805	34.770	-3.38%	-2.21%
			6285	5.621	33.993	5.816	34.758	-3.35%	-2.20%
			6305	5.645	33.969	5.840	34.734	-3.34%	-2.20%
			6345	5.679	33.941	5.887	34.686	-3.53%	-2.15%
			6475	5.836	33.692	6.041	34.530	-3.39%	-2.43%
			6485	5.847	33.669	6.052	34.518	-3.39%	-2.46%
			6500	5.865	33.638	6.070	34.500	-3.38%	-2.50%
			6505	5.871	33.627	6.076	34.494	-3.37%	-2.51%
			6545	5.923	33.568	6.122	34.446	-3.25%	-2.58%
			6665	6.067	33.347	6.265	34.302	-3.16%	-2.78%
			6675	6.081	33.332	6.273	34.290	-3.06%	-2.79%
			6685	6.091	33.307	6.285	34.278	-3.09%	-2.83%
			6715	6.123	33.221	6.319	34.242	-3.10%	-2.98%
			6785	6.192	33.169	6.400	34.158	-3.25%	-2.90%
			6825	6.243	33.070	6.447	34.110	-3.16%	-3.05%
			6985	6.444	32.775	6.633	33.918	-2.85%	-3.37%
			6995	6.455	32.768	6.644	33.906	-2.84%	-3.36%
			7000	6.460	32.765	6.650	33.900	-2.86%	-3.35%
			7005	6.465	32.763	6.656	33.894	-2.87%	-3.34%
			7025	6.494	32.712	6.680	33.870	-2.78%	-3.42%
			7500	7.071	31.849	7.240	33.300	-2.33%	-4.36%

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

Note: Per April 2019 TCB Workshop Notes, single head-tissue simulating liquid specified in IEC 62209-1 is permitted to use for all SAR tests.

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9.2 Test System Verification

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

Table 9-2
System Verification Results

System Verification TARGET & MEASURED																	
SAR System	Tissue Frequency (MHz)	Tissue Type	Date	Amb. Temp. (C)	Liquid Temp. (C)	Input Power (W)	Source SN	Probe SN	DAE	Measured SAR 1g (W/kg)	1W Target SAR 1g (W/kg)	1W Normalized SAR 1g (W/kg)	Deviation 1g (%)	Measured 4cm2 APD (W/m2)	1W Target 4cm2 APD (W/m2)	1W Normalized 4cm2 APD	Deviation 4cm2 APD (%)
AM14	13	HEAD	12/09/2024	21.3	23.8	1.00	1004	7308	534	0.544	0.575	0.544	-5.39%				
AM1	750	HEAD	10/31/2024	22.3	20.6	0.20	1057	7416	701	1.710	8.510	8.550	0.47%				
AM11	750	HEAD	10/31/2024	22.0	21.0	0.20	1097	7532	501	1.740	8.270	8.700	5.20%				
AM1	750	HEAD	11/04/2024	22.6	20.3	0.20	1057	7416	701	1.570	8.510	7.850	-7.76%				
AM11	750	HEAD	11/04/2024	21.0	20.6	0.20	1097	7532	501	1.760	8.270	8.800	6.41%				
AM1	750	HEAD	11/08/2024	22.9	21.0	0.20	1057	7416	701	1.690	8.510	8.450	-0.71%				
AM11	750	HEAD	12/09/2024	20.9	20.1	0.20	1097	7532	501	1.590	8.270	7.950	-3.87%				
AM13	835	HEAD	11/01/2024	21.2	20.0	0.20	460	7682	1683	1.930	9.720	9.650	-0.72%				
AM13	835	HEAD	11/04/2024	21.1	20.7	0.20	460	7682	1683	2.030	9.720	10.150	4.42%				
AM13	835	HEAD	11/06/2024	21.2	20.7	0.20	460	7682	1683	2.040	9.720	10.200	4.94%				
AM13	835	HEAD	11/11/2024	20.2	20.0	0.20	460	7682	1683	2.030	9.720	10.150	4.42%				
AM14	1750	HEAD	11/15/2024	23.0	20.3	0.10	1083	7360	534	3.760	36.500	37.600	3.01%				
AM14	1750	HEAD	11/18/2024	21.1	20.9	0.10	1083	7360	534	3.470	36.500	34.700	-4.93%				
AM14	1750	HEAD	11/20/2024	21.1	20.6	0.10	1083	7360	534	3.700	36.500	37.000	1.37%				
AM14	1750	HEAD	11/26/2024	21.9	22.0	0.10	1083	7360	534	3.470	36.500	34.700	-4.93%				
AM7	1900	HEAD	11/04/2024	21.0	20.4	0.10	5d181	7421	604	4.070	39.900	40.700	2.01%				
AM7	1900	HEAD	11/06/2024	22.7	21.4	0.10	5d181	7421	604	3.980	39.900	39.800	-0.25%				
AM10	2300	HEAD	11/02/2024	23.1	22.8	0.10	1038	7546	1402	4.830	49.100	48.300	-1.63%				
AM10	2300	HEAD	11/04/2024	22.8	22.8	0.10	1038	7546	1402	4.940	49.100	49.400	0.61%				
AM16	2450	HEAD	11/01/2024	22.0	23.5	0.10	750	7552	1676	5.090	52.600	50.900	-3.23%				
AM6	2450	HEAD	11/05/2024	19.8	19.2	0.10	750	7639	1403	5.210	52.600	52.100	-0.95%				
AM6	2450	HEAD	11/13/2024	20.3	19.9	0.10	921	7639	1403	5.420	52.200	54.200	3.83%				
AM6	2450	HEAD	11/15/2024	21.4	20.5	0.10	750	7639	1403	5.350	52.600	53.500	1.71%				
AM16	2450	HEAD	11/20/2024	22.0	22.9	0.10	750	7552	1676	5.150	52.600	51.500	-2.09%				
AM16	2600	HEAD	11/01/2024	22.0	23.5	0.10	1042	7552	1676	5.560	55.800	55.600	-0.36%				
AM16	2600	HEAD	11/20/2024	22.0	22.9	0.10	1042	7552	1676	5.760	55.800	57.600	3.23%				
AM4	3500	HEAD	11/06/2024	23.5	21.0	0.10	1126	7357	1582	6.660	66.200	66.600	0.60%				
AM3	3500	HEAD	11/06/2024	23.4	20.6	0.10	1126	7668	1681	6.970	66.200	69.700	5.29%				
AM3	3500	HEAD	11/09/2024	23.3	20.6	0.10	1126	7668	1681	6.840	66.200	68.400	3.32%				
AM4	3500	HEAD	11/24/2024	21.0	20.0	0.10	1126	7357	1582	6.670	66.200	66.700	0.76%				
AM4	3700	HEAD	11/06/2024	23.5	21.0	0.10	1097	7357	1582	6.300	67.900	63.000	-7.22%				
AM3	3700	HEAD	11/06/2024	23.4	20.6	0.10	1097	7668	1681	7.000	67.900	70.000	3.09%				
AM3	3700	HEAD	11/09/2024	23.3	20.6	0.10	1097	7668	1681	6.970	67.900	69.700	2.65%				
AM4	3700	HEAD	11/24/2024	21.0	20.0	0.10	1097	7357	1582	6.680	67.900	66.800	-1.62%				
AM3	3900	HEAD	11/06/2024	23.4	20.6	0.10	1056	7668	1681	7.230	68.200	72.300	6.01%				
AM3	3900	HEAD	11/09/2024	23.3	20.6	0.10	1056	7668	1681	6.990	68.200	69.900	2.49%				
AM9	5250	HEAD	11/07/2024	22.8	20.9	0.05	1163	7782	1646	3.860	79.600	77.200	-3.02%				
AM8	5250	HEAD	11/14/2024	21.1	19.1	0.05	1123	7427	467	3.810	79.400	76.200	-4.03%				
AM9	5600	HEAD	11/07/2024	22.8	20.9	0.05	1163	7782	1646	4.050	82.800	81.000	-2.17%				
AM8	5600	HEAD	11/14/2024	21.1	19.1	0.05	1123	7427	467	4.030	82.500	80.600	-2.30%				
AM9	5750	HEAD	11/07/2024	22.8	20.9	0.05	1163	7782	1646	4.010	81.100	80.200	-1.11%				
AM8	5750	HEAD	11/14/2024	21.1	19.1	0.05	1123	7427	467	3.690	79.400	73.800	-7.05%				
AM9	5850	HEAD	11/07/2024	22.8	20.9	0.05	1163	7782	1646	3.980	79.000	79.600	0.76%				
AM8	5850	HEAD	11/14/2024	21.1	19.1	0.05	1123	7427	467	4.050	80.100	81.000	1.12%				
AM2	6500	HEAD	11/01/2024	21.2	19.8	0.03	1019	3949	1684	7.810	300.000	312.400	4.13%	35.1	1340	35.4	5.67%

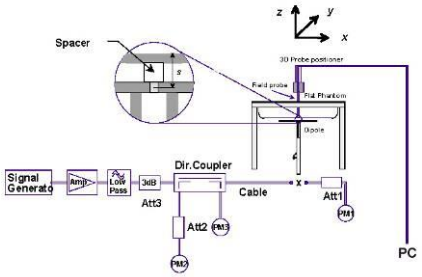

Figure 9-1
System Verification Setup Diagram

Figure 9-2
System Verification Setup Photo

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9.3 Power Density Test System Verification

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

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

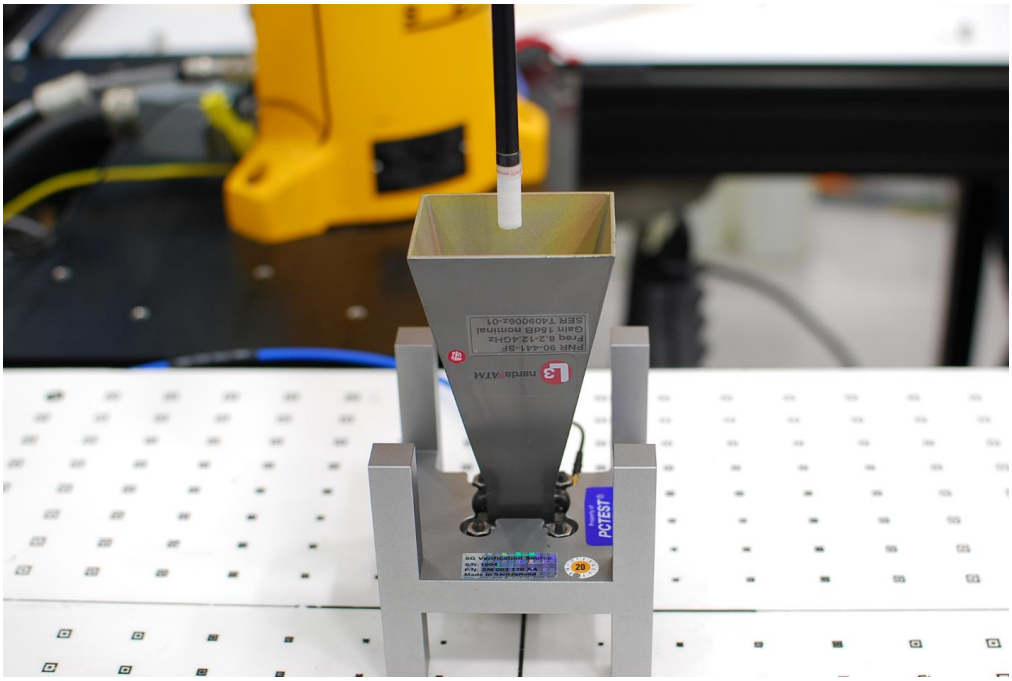

Figure 9-3
System Verification Setup Photo

Table 9-3
10 GHz Verification Results

System Verification											
System	Frequency (GHz)	Date	Source S/N	Probe S/N	Prad (mW)	Normal psPD (W/m² over 4 cm²)		Deviation (dB)	Total psPD (W/m² over 4 cm²)		Deviation (dB)
						Measured	Target		Measured	Target	
AM5	10	11/07/2024	1004	9487	93.3	57.40	56.70	0.05	57.60	56.90	0.05

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

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10 SAR DATA SUMMARY

10.1 UMTS 850 Standalone SAR

Table 10-1 Antenna 2

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 850	RMC	2	L4HWV	1:1	0.00	826.40	4132	19.90	18.95	Back	0	0.744	0.363	1.245	0.926	0.452	0.579		19.2	
Body	UMTS 850	RMC	2	L4HWV	1:1	0.00	836.60	4183	19.90	19.14	Back	0	0.717	0.349	1.191	0.854	0.416	0.534		19.6	
Body	UMTS 850	RMC	2	L4HWV	1:1	0.02	846.60	4233	19.90	19.12	Back	0	0.659	0.322	1.197	0.789	0.385	0.493		19.9	
Body	UMTS 850	RMC	2	L4HWV	1:1	0.03	836.60	4183	19.90	19.14	Top	0	0.032	0.014	1.191	0.038	0.017	0.024		33.1	
Body	UMTS 850	RMC	2	L4HWV	1:1	0.00	826.40	4132	19.90	18.95	Bottom	0	0.691	0.274	1.245	0.860	0.341	0.538		19.5	
Body	UMTS 850	RMC	2	L4HWV	1:1	-0.04	836.60	4183	19.90	19.14	Bottom	0	0.713	0.282	1.191	0.849	0.336	0.531		19.6	18.9
Body	UMTS 850	RMC	2	L4HWV	1:1	-0.01	846.60	4233	19.90	19.12	Bottom	0	0.722	0.286	1.197	0.864	0.342	0.540		19.5	
Body	UMTS 850	RMC	2	L4HWV	1:1	-0.01	826.40	4132	19.90	18.95	Right	0	0.788	0.305	1.245	0.981	0.380	0.613		19.0	
Body	UMTS 850	RMC	2	L4HWV	1:1	0.00	836.60	4183	19.90	19.14	Right	0	0.828	0.319	1.191	0.986	0.380	0.616		18.9	
Body	UMTS 850	RMC	2	L4HWV	1:1	-0.03	846.60	4233	19.90	19.12	Right	0	0.807	0.319	1.197	0.966	0.382	0.604		19.0	
Body	UMTS 850	RMC	2	L4HWV	1:1	0.05	836.60	4183	19.90	19.14	Left	0	0.037	0.018	1.191	0.044	0.021	0.028		32.4	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-2 Antenna 4

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 850	RMC	4	L4HWV	1:1	0.00	826.40	4132	20.00	19.20	Back	0	0.784	0.364	1.202	0.942	0.438	0.589		19.2	
Body	UMTS 850	RMC	4	L4HWV	1:1	-0.01	836.60	4183	20.00	19.34	Back	0	0.748	0.348	1.164	0.871	0.405	0.544		19.6	
Body	UMTS 850	RMC	4	L4HWV	1:1	-0.02	846.60	4233	20.00	19.36	Back	0	0.693	0.323	1.159	0.803	0.374	0.502		19.9	
Body	UMTS 850	RMC	4	L4HWV	1:1	0.03	826.40	4132	20.00	19.20	Top	0	0.721	0.289	1.202	0.867	0.347	0.542		19.6	
Body	UMTS 850	RMC	4	L4HWV	1:1	-0.01	836.60	4183	20.00	19.34	Top	0	0.739	0.295	1.164	0.860	0.343	0.538		19.6	
Body	UMTS 850	RMC	4	L4HWV	1:1	0.03	846.60	4233	20.00	19.36	Top	0	0.752	0.300	1.159	0.872	0.348	0.545		19.6	19.1
Body	UMTS 850	RMC	4	L4HWV	1:1	0.18	846.60	4233	20.00	19.36	Bottom	0	0.034	0.015	1.159	0.039	0.017	0.024		33.0	
Body	UMTS 850	RMC	4	L4HWV	1:1	0.04	846.60	4233	20.00	19.36	Right	0	0.053	0.026	1.159	0.061	0.030	0.038		31.1	
Body	UMTS 850	RMC	4	L4HWV	1:1	0.00	826.40	4132	20.00	19.20	Left	0	0.791	0.310	1.202	0.951	0.373	0.594		19.2	
Body	UMTS 850	RMC	4	L4HWV	1:1	0.00	836.60	4183	20.00	19.34	Left	0	0.829	0.324	1.164	0.965	0.377	0.603	A1	19.1	
Body	UMTS 850	RMC	4	L4HWV	1:1	0.01	846.60	4233	20.00	19.36	Left	0	0.819	0.326	1.159	0.949	0.378	0.593		19.2	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

10.2 UMTS 1750 Standalone SAR

Table 10-3 Antenna 1b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1750	RMC	1b	Q97RL	1:1	-0.04	1712.40	1312	12.50	12.22	Back	0	0.813	0.315	1.067	0.867	0.336	0.542		12.1	
Body	UMTS 1750	RMC	1b	Q97RL	1:1	-0.06	1732.40	1412	12.50	12.14	Back	0	0.848	0.327	1.086	0.921	0.355	0.576		11.8	
Body	UMTS 1750	RMC	1b	Q97RL	1:1	-0.01	1752.60	1513	12.50	12.18	Back	0	0.851	0.323	1.076	0.916	0.348	0.573	A2	11.9	
Body	UMTS 1750	RMC	1b	Q97RL	1:1	0.01	1712.40	1312	12.50	12.22	Top	0	0.000	0.000	1.067	0.000	0.000	0.000		51.2	11.8
Body	UMTS 1750	RMC	1b	Q97RL	1:1	-0.03	1712.40	1312	12.50	12.22	Bottom	0	0.636	0.225	1.067	0.679	0.240	0.424		13.2	
Body	UMTS 1750	RMC	1b	Q97RL	1:1	0.03	1712.40	1312	12.50	12.22	Right	0	0.009	0.003	1.067	0.010	0.003	0.006		31.7	
Body	UMTS 1750	RMC	1b	Q97RL	1:1	0.03	1712.40	1312	12.50	12.22	Left	0	0.034	0.014	1.067	0.036	0.015	0.023		25.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-4 Antenna 2

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1750	RMC	2	Q91JW	1:1	0.00	1712.40	1312	15.50	14.82	Back	0	0.827	0.345	1.169	0.967	0.403	0.604		14.6	
Body	UMTS 1750	RMC	2	Q91JW	1:1	0.01	1732.40	1412	15.50	14.77	Back	0	0.822	0.349	1.183	0.972	0.413	0.608		14.6	
Body	UMTS 1750	RMC	2	Q91JW	1:1	0.04	1752.60	1513	15.50	14.81	Back	0	0.739	0.317	1.172	0.866	0.372	0.541		15.1	
Body	UMTS 1750	RMC	2	Q91JW	1:1	0.01	1712.40	1312	15.50	14.82	Top	0	0.000	0.000	1.169	0.000	0.000	0.000		53.8	
Body	UMTS 1750	RMC	2	Q91JW	1:1	-0.02	1712.40	1312	15.50	14.82	Bottom	0	0.327	0.128	1.169	0.382	0.150	0.239		18.7	14.6
Body	UMTS 1750	RMC	2	Q91JW	1:1	0.00	1712.40	1312	15.50	14.82	Right	0	0.717	0.230	1.169	0.838	0.269	0.524		15.2	
Body	UMTS 1750	RMC	2	Q91JW	1:1	0.05	1732.40	1412	15.50	14.77	Right	0	0.754	0.249	1.183	0.892	0.295	0.558		15.0	
Body	UMTS 1750	RMC	2	Q91JW	1:1	0.02	1752.60	1513	15.50	14.81	Right	0	0.736	0.243	1.172	0.863	0.285	0.539		15.1	
Body	UMTS 1750	RMC	2	Q91JW	1:1	0.04	1712.40	1312	15.50	14.82	Left	0	0.002	0.000	1.169	0.002	0.000	0.001		40.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

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Table 10-5 Antenna 3b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1750	RMC	3b	27WT9	1:1	-0.02	1752.60	1513	12.90	11.45	Back	0	0.280	0.116	1.396	0.391	0.162	0.244		16.0	
Body	UMTS 1750	RMC	3b	27WT9	1:1	-0.02	1712.40	1312	12.90	11.38	Top	0	0.635	0.228	1.419	0.901	0.324	0.563		12.3	
Body	UMTS 1750	RMC	3b	27WT9	1:1	-0.02	1732.40	1412	12.90	11.39	Top	0	0.666	0.238	1.416	0.943	0.337	0.589		12.1	
Body	UMTS 1750	RMC	3b	27WT9	1:1	0.01	1752.60	1513	12.90	11.45	Top	0	0.677	0.243	1.396	0.945	0.339	0.591		12.1	12.1
Body	UMTS 1750	RMC	3b	27WT9	1:1	0.05	1752.60	1513	12.90	11.45	Bottom	0	0.000	0.000	1.396	0.000	0.000	0.000		50.4	
Body	UMTS 1750	RMC	3b	27WT9	1:1	0.09	1752.60	1513	12.90	11.45	Right	0	0.029	0.012	1.396	0.040	0.017	0.025		25.8	
Body	UMTS 1750	RMC	3b	27WT9	1:1	-0.10	1752.60	1513	12.90	11.45	Left	0	0.009	0.003	1.396	0.013	0.004	0.008		30.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-6 Antenna 4

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1750	RMC	4	Q97RL	1:1	-0.01	1752.60	1513	15.30	14.65	Back	0	0.659	0.280	1.161	0.765	0.325	0.478		15.4	
Body	UMTS 1750	RMC	4	Q97RL	1:1	0.04	1752.60	1513	15.30	14.65	Top	0	0.525	0.203	1.161	0.610	0.236	0.381		16.4	
Body	UMTS 1750	RMC	4	Q97RL	1:1	0.04	1752.60	1513	15.30	14.65	Bottom	0	0.006	0.002	1.161	0.007	0.002	0.004		35.8	
Body	UMTS 1750	RMC	4	Q97RL	1:1	0.02	1752.60	1513	15.30	14.65	Right	0	0.003	0.000	1.161	0.003	0.000	0.002		38.9	14.7
Body	UMTS 1750	RMC	4	Q97RL	1:1	0.00	1712.40	1312	15.30	14.60	Left	0	0.728	0.262	1.175	0.855	0.308	0.534		15.0	
Body	UMTS 1750	RMC	4	Q97RL	1:1	-0.04	1732.40	1412	15.30	14.44	Left	0	0.740	0.261	1.219	0.902	0.318	0.564		14.7	
Body	UMTS 1750	RMC	4	Q97RL	1:1	-0.02	1752.60	1513	15.30	14.65	Left	0	0.747	0.268	1.161	0.867	0.311	0.542		14.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

10.3 UMTS 1900 Standalone SAR

Table 10-7 Antenna 1b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1900	RMC	1b	Q96KN	1:1	-0.06	1852.40	9262	12.30	12.11	Back	0	0.799	0.312	1.045	0.835	0.326	0.522		12.1	
Body	UMTS 1900	RMC	1b	Q96KN	1:1	-0.03	1880.00	9400	12.30	12.13	Back	0	0.857	0.335	1.040	0.891	0.348	0.557		11.8	
Body	UMTS 1900	RMC	1b	Q96KN	1:1	0.00	1907.60	9538	12.30	12.26	Back	0	0.946	0.365	1.009	0.955	0.368	0.597	A3	11.5	
Body	UMTS 1900	RMC	1b	Q96KN	1:1	-0.02	1907.60	9538	12.30	12.26	Back	0	0.942	0.364	1.009	0.950	0.367	0.594		11.5	11.5
Body	UMTS 1900	RMC	1b	Q96KN	1:1	0.04	1907.60	9538	12.30	12.26	Top	0	0.004	0.002	1.009	0.004	0.002	0.003		35.2	
Body	UMTS 1900	RMC	1b	Q96KN	1:1	-0.06	1907.60	9538	12.30	12.26	Bottom	0	0.671	0.241	1.009	0.677	0.243	0.423		13.0	
Body	UMTS 1900	RMC	1b	Q96KN	1:1	0.01	1907.60	9538	12.30	12.26	Right	0	0.010	0.005	1.009	0.010	0.005	0.006		31.2	
Body	UMTS 1900	RMC	1b	Q96KN	1:1	0.06	1907.60	9538	12.30	12.26	Left	0	0.044	0.018	1.009	0.044	0.018	0.028		24.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: Blue entry represents variability measurement

Table 10-8 Antenna 2

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1900	RMC	2	M4TNW	1:1	0.05	1852.40	9262	15.60	15.18	Back	0	0.900	0.369	1.102	0.992	0.407	0.620		14.6	
Body	UMTS 1900	RMC	2	M4TNW	1:1	0.03	1880.00	9400	15.60	15.10	Back	0	0.873	0.355	1.122	0.980	0.398	0.613		14.7	
Body	UMTS 1900	RMC	2	M4TNW	1:1	0.01	1907.60	9538	15.60	15.12	Back	0	0.878	0.321	1.117	0.981	0.359	0.613		14.7	
Body	UMTS 1900	RMC	2	M4TNW	1:1	0.08	1852.40	9262	15.60	15.18	Top	0	0.000	0.000	1.102	0.000	0.000	0.000		54.2	14.6
Body	UMTS 1900	RMC	2	M4TNW	1:1	0.01	1852.40	9262	15.60	15.18	Bottom	0	0.337	0.127	1.102	0.371	0.140	0.232		18.9	
Body	UMTS 1900	RMC	2	M4TNW	1:1	0.04	1852.40	9262	15.60	15.18	Right	0	0.619	0.217	1.102	0.682	0.239	0.426		16.2	
Body	UMTS 1900	RMC	2	M4TNW	1:1	0.01	1852.40	9262	15.60	15.18	Left	0	0.012	0.005	1.102	0.013	0.006	0.008		33.4	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-9 Antenna 3b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1900	RMC	3b	RRXWW	1:1	-0.01	1852.40	9262	12.90	11.61	Back	0	0.459	0.190	1.346	0.618	0.256	0.386		14.0	
Body	UMTS 1900	RMC	3b	RRXWW	1:1	-0.07	1852.40	9262	12.90	11.61	Top	0	0.679	0.251	1.346	0.914	0.338	0.571		12.3	
Body	UMTS 1900	RMC	3b	RRXWW	1:1	-0.02	1880.00	9400	12.90	11.57	Top	0	0.718	0.264	1.358	0.975	0.359	0.609		12.0	
Body	UMTS 1900	RMC	3b	RRXWW	1:1	-0.02	1907.60	9538	12.90	11.52	Top	0	0.720	0.265	1.374	0.989	0.364	0.618		11.9	11.9
Body	UMTS 1900	RMC	3b	RRXWW	1:1	0.06	1852.40	9262	12.90	11.61	Bottom	0	0.002	0.000	1.346	0.003	0.000	0.002		37.6	
Body	UMTS 1900	RMC	3b	RRXWW	1:1	0.06	1852.40	9262	12.90	11.61	Right	0	0.025	0.012	1.346	0.034	0.016	0.021		26.6	
Body	UMTS 1900	RMC	3b	RRXWW	1:1	0.01	1852.40	9262	12.90	11.61	Left	0	0.016	0.006	1.346	0.022	0.008	0.014		28.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

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Table 10-10 Antenna 4

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	UMTS 1900	RMC	4	Q96KN	1:1	0.01	1852.40	9262	14.40	13.32	Back	0	0.714	0.304	1.282	0.915	0.390	0.572		13.8	13.5
Body	UMTS 1900	RMC	4	Q96KN	1:1	0.01	1880.00	9400	14.40	13.30	Back	0	0.691	0.291	1.288	0.890	0.375	0.556		13.9	
Body	UMTS 1900	RMC	4	Q96KN	1:1	0.02	1907.60	9538	14.40	13.21	Back	0	0.669	0.280	1.315	0.880	0.368	0.550		13.9	
Body	UMTS 1900	RMC	4	Q96KN	1:1	-0.02	1852.40	9262	14.40	13.32	Top	0	0.329	0.135	1.282	0.422	0.173	0.264		17.1	
Body	UMTS 1900	RMC	4	Q96KN	1:1	0.01	1852.40	9262	14.40	13.32	Bottom	0	0.002	0.001	1.282	0.003	0.001	0.002		39.3	
Body	UMTS 1900	RMC	4	Q96KN	1:1	0.01	1852.40	9262	14.40	13.32	Right	0	0.005	0.002	1.282	0.006	0.003	0.004		35.3	
Body	UMTS 1900	RMC	4	Q96KN	1:1	-0.11	1852.40	9262	14.40	13.32	Left	0	0.719	0.253	1.282	0.922	0.324	0.576		13.7	
Body	UMTS 1900	RMC	4	Q96KN	1:1	0.00	1880.00	9400	14.40	13.30	Left	0	0.741	0.259	1.288	0.954	0.334	0.596		13.6	
Body	UMTS 1900	RMC	4	Q96KN	1:1	0.11	1907.60	9538	14.40	13.21	Left	0	0.736	0.258	1.315	0.968	0.339	0.605		13.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

10.4 LTE Band 71 Standalone SAR

Table 10-11 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	-0.01	680.50	133297	0.0	21.30	20.73	1	99	Back	0	0.691	0.310	1.140	0.788	0.353	0.493		21.5	20.9
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	0.01	680.50	133297	0.0	21.30	20.81	50	25	Back	0	0.776	0.350	1.119	0.868	0.392	0.543		21.1	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	0.01	680.50	133297	0.0	21.30	20.70	100	0	Back	0	0.795	0.355	1.148	0.913	0.408	0.571		20.9	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	-0.18	680.50	133297	0.0	21.30	20.73	1	99	Top	0	0.018	0.007	1.140	0.021	0.008	0.013		37.4	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	-0.04	680.50	133297	0.0	21.30	20.81	50	25	Top	0	0.029	0.011	1.119	0.032	0.012	0.020		35.4	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	0.04	680.50	133297	0.0	21.30	20.73	1	99	Bottom	0	0.712	0.286	1.140	0.812	0.326	0.508		21.4	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	-0.02	680.50	133297	0.0	21.30	20.81	50	25	Bottom	0	0.774	0.306	1.119	0.866	0.342	0.541		21.1	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	-0.03	680.50	133297	0.0	21.30	20.70	100	0	Bottom	0	0.764	0.303	1.148	0.877	0.348	0.548		21.1	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	0.10	680.50	133297	0.0	21.30	20.73	1	99	Right	0	0.578	0.224	1.140	0.659	0.255	0.412		22.3	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	0.02	680.50	133297	0.0	21.30	20.81	50	25	Right	0	0.653	0.241	1.119	0.731	0.270	0.457		21.9	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	-0.17	680.50	133297	0.0	21.30	20.73	1	99	Left	0	0.049	0.020	1.140	0.056	0.023	0.035		33.0	
Body	LTE Band 71	20	QPSK	2	HXM56	1:1	-0.02	680.50	133297	0.0	21.30	20.81	50	25	Left	0	0.047	0.019	1.119	0.053	0.021	0.033		33.3	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-12 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	0.01	680.50	133297	0.0	21.00	20.89	1	50	Back	0	0.924	0.401	1.026	0.948	0.411	0.593		20.5	20.3
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.03	680.50	133297	0.0	21.00	20.90	50	25	Back	0	0.948	0.412	1.023	0.970	0.421	0.606		20.4	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.02	680.50	133297	0.0	21.00	20.86	100	0	Back	0	0.950	0.412	1.033	0.981	0.426	0.613		20.4	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.02	680.50	133297	0.0	21.00	20.86	100	0	Back	0	0.961	0.415	1.033	0.993	0.429	0.621	A4	20.3	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.04	680.50	133297	0.0	21.00	20.89	1	50	Top	0	0.902	0.349	1.026	0.925	0.358	0.578		20.6	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.01	680.50	133297	0.0	21.00	20.90	50	25	Top	0	0.898	0.347	1.023	0.919	0.355	0.574		20.7	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.04	680.50	133297	0.0	21.00	20.86	100	0	Top	0	0.881	0.342	1.033	0.910	0.353	0.569		20.7	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	0.09	680.50	133297	0.0	21.00	20.89	1	50	Bottom	0	0.027	0.011	1.026	0.028	0.011	0.018		35.9	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	0.09	680.50	133297	0.0	21.00	20.90	50	25	Bottom	0	0.029	0.011	1.023	0.030	0.011	0.019		35.6	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.12	680.50	133297	0.0	21.00	20.89	1	50	Right	0	0.048	0.020	1.026	0.049	0.021	0.031		33.4	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.11	680.50	133297	0.0	21.00	20.90	50	25	Right	0	0.053	0.023	1.023	0.054	0.024	0.034		33.0	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.09	680.50	133297	0.0	21.00	20.89	1	50	Left	0	0.629	0.235	1.026	0.645	0.241	0.403		22.2	
Body	LTE Band 71	20	QPSK	4	L4HWV	1:1	-0.03	680.50	133297	0.0	21.00	20.90	50	25	Left	0	0.652	0.245	1.023	0.667	0.251	0.417		22.1	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: Blue entry represents variability measurement

10.5 LTE Band 12 Standalone SAR

Table 10-13 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	0.11	707.50	23095	0.0	19.90	19.21	1	49	Back	0	0.764	0.333	1.172	0.895	0.390	0.559		19.4	19.2
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	0.01	707.50	23095	0.0	19.90	19.23	25	25	Back	0	0.767	0.336	1.167	0.895	0.392	0.559		19.4	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	0.02	707.50	23095	0.0	19.90	19.19	50	0	Back	0	0.796	0.346	1.178	0.938	0.408	0.586		19.2	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	0.06	707.50	23095	0.0	19.90	19.21	1	49	Top	0	0.018	0.007	1.172	0.021	0.008	0.013		35.6	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	-0.06	707.50	23095	0.0	19.90	19.23	25	25	Top	0	0.018	0.007	1.167	0.021	0.008	0.013		35.7	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	-0.15	707.50	23095	0.0	19.90	19.21	1	49	Bottom	0	0.622	0.241	1.172	0.729	0.282	0.456		20.3	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	-0.02	707.50	23095	0.0	19.90	19.23	25	25	Bottom	0	0.626	0.243	1.167	0.731	0.284	0.457		20.2	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	0.12	707.50	23095	0.0	19.90	19.21	1	49	Right	0	0.600	0.214	1.172	0.703	0.251	0.439		20.4	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	-0.04	707.50	23095	0.0	19.90	19.23	25	25	Right	0	0.594	0.208	1.167	0.693	0.243	0.433		20.5	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	-0.12	707.50	23095	0.0	19.90	19.21	1	49	Left	0	0.032	0.014	1.172	0.038	0.016	0.024		33.1	
Body	LTE Band 12	10	QPSK	2	7NLKV	1:1	-0.03	707.50	23095	0.0	19.90	19.23	25	25	Left	0	0.030	0.013	1.167	0.035	0.015	0.022		33.4	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram										

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Table 10-14 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	-0.05	707.50	23095	0.0	19.50	19.49	1	0	Back	0	0.926	0.397	1.002	0.928	0.398	0.580	AS	19.1	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	0.00	707.50	23095	0.0	19.50	19.29	25	0	Back	0	0.897	0.385	1.050	0.942	0.404	0.589		19.1	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	0.01	707.50	23095	0.0	19.50	19.28	50	0	Back	0	0.882	0.383	1.052	0.928	0.403	0.580		19.1	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	0.02	707.50	23095	0.0	19.50	19.49	1	0	Top	0	0.607	0.236	1.002	0.608	0.236	0.380		21.0	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	0.00	707.50	23095	0.0	19.50	19.29	25	0	Top	0	0.537	0.213	1.050	0.564	0.224	0.353		21.3	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	0.13	707.50	23095	0.0	19.50	19.49	1	0	Bottom	0	0.013	0.005	1.002	0.013	0.005	0.008		37.6	19.1
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	0.13	707.50	23095	0.0	19.50	19.29	25	0	Bottom	0	0.016	0.006	1.050	0.017	0.006	0.011		36.5	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	0.00	707.50	23095	0.0	19.50	19.49	1	0	Right	0	0.031	0.014	1.002	0.031	0.014	0.019		33.9	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	0.07	707.50	23095	0.0	19.50	19.29	25	0	Right	0	0.028	0.012	1.050	0.029	0.013	0.018		34.1	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	-0.03	707.50	23095	0.0	19.50	19.49	1	0	Left	0	0.453	0.167	1.002	0.454	0.167	0.284		22.2	
Body	LTE Band 12	10	QPSK	4	7NLKV	1:1	-0.02	707.50	23095	0.0	19.50	19.29	25	0	Left	0	0.460	0.170	1.050	0.483	0.179	0.302		22.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.6 LTE Band 13 Standalone SAR

Table 10-15 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	-0.07	782.00	23230	0.0	20.40	19.17	1	25	Back	0	0.747	0.338	1.327	0.991	0.449	0.619		19.4	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	0.02	782.00	23230	0.0	20.40	19.19	25	12	Back	0	0.740	0.333	1.321	0.978	0.440	0.611		19.5	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	-0.01	782.00	23230	0.0	20.40	19.16	50	0	Back	0	0.731	0.330	1.330	0.972	0.439	0.608		19.5	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	0.21	782.00	23230	0.0	20.40	19.17	1	25	Top	0	0.018	0.007	1.327	0.024	0.009	0.015		35.6	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	0.11	782.00	23230	0.0	20.40	19.19	25	12	Top	0	0.016	0.007	1.321	0.021	0.009	0.013		36.1	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	-0.02	782.00	23230	0.0	20.40	19.17	1	25	Bottom	0	0.659	0.259	1.327	0.874	0.344	0.546		20.0	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	0.00	782.00	23230	0.0	20.40	19.19	25	12	Bottom	0	0.647	0.254	1.321	0.855	0.336	0.534		20.1	19.4
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	-0.01	782.00	23230	0.0	20.40	19.16	50	0	Bottom	0	0.633	0.251	1.330	0.842	0.334	0.526		20.1	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	-0.04	782.00	23230	0.0	20.40	19.17	1	25	Right	0	0.686	0.253	1.327	0.910	0.336	0.569		19.8	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	0.03	782.00	23230	0.0	20.40	19.19	25	12	Right	0	0.682	0.251	1.321	0.901	0.332	0.563		19.8	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	-0.05	782.00	23230	0.0	20.40	19.16	50	0	Right	0	0.616	0.227	1.330	0.819	0.302	0.512		20.2	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	0.13	782.00	23230	0.0	20.40	19.17	1	25	Left	0	0.030	0.015	1.327	0.040	0.020	0.025		33.4	
Body	LTE Band 13	10	QPSK	2	7NLKV	1:1	0.04	782.00	23230	0.0	20.40	19.19	25	12	Left	0	0.029	0.014	1.321	0.038	0.018	0.024		33.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-16 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	-0.03	782.00	23230	0.0	21.30	21.11	1	25	Back	0	0.951	0.413	1.045	0.994	0.432	0.621	A6	20.6	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.00	782.00	23230	0.0	21.30	21.09	25	25	Back	0	0.929	0.406	1.050	0.975	0.426	0.609		20.7	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.00	782.00	23230	0.0	21.30	21.04	50	0	Back	0	0.888	0.394	1.062	0.943	0.418	0.589		20.9	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.01	782.00	23230	0.0	21.30	21.11	1	25	Top	0	0.703	0.277	1.045	0.735	0.289	0.459		21.9	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.00	782.00	23230	0.0	21.30	21.09	25	25	Top	0	0.697	0.273	1.050	0.732	0.287	0.458		22.0	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.06	782.00	23230	0.0	21.30	21.11	1	25	Bottom	0	0.030	0.014	1.045	0.031	0.015	0.019		35.6	20.6
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.01	782.00	23230	0.0	21.30	21.09	25	25	Bottom	0	0.027	0.013	1.050	0.028	0.014	0.018		36.1	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.04	782.00	23230	0.0	21.30	21.11	1	25	Right	0	0.055	0.026	1.045	0.057	0.027	0.036		33.0	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.01	782.00	23230	0.0	21.30	21.09	25	25	Right	0	0.057	0.026	1.050	0.060	0.027	0.038		32.8	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	-0.03	782.00	23230	0.0	21.30	21.11	1	25	Left	0	0.763	0.311	1.045	0.797	0.325	0.498		21.6	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.00	782.00	23230	0.0	21.30	21.09	25	25	Left	0	0.736	0.302	1.050	0.773	0.317	0.483		21.7	
Body	LTE Band 13	10	QPSK	4	7NLKV	1:1	0.01	782.00	23230	0.0	21.30	21.04	50	0	Left	0	0.765	0.311	1.062	0.812	0.330	0.508		21.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.7 LTE Band 14 Standalone SAR

Table 10-17 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	0.03	793.00	23330	0.0	20.40	19.45	1	25	Back	0	0.693	0.305	1.245	0.863	0.380	0.539		20.0	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	0.01	793.00	23330	0.0	20.40	19.54	25	12	Back	0	0.697	0.303	1.219	0.850	0.369	0.531		20.1	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	0.00	793.00	23330	0.0	20.40	19.42	50	0	Back	0	0.746	0.329	1.253	0.935	0.412	0.584		19.7	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	0.08	793.00	23330	0.0	20.40	19.45	1	25	Top	0	0.026	0.011	1.245	0.032	0.014	0.020		34.3	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	-0.02	793.00	23330	0.0	20.40	19.54	25	12	Top	0	0.025	0.011	1.219	0.030	0.013	0.019		34.5	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	-0.07	793.00	23330	0.0	20.40	19.45	1	25	Bottom	0	0.685	0.266	1.245	0.853	0.331	0.533		20.1	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	0.00	793.00	23330	0.0	20.40	19.54	25	12	Bottom	0	0.685	0.266	1.219	0.835	0.324	0.522		20.2	19.7
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	-0.04	793.00	23330	0.0	20.40	19.42	50	0	Bottom	0	0.715	0.277	1.253	0.896	0.347	0.560		19.9	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	0.13	793.00	23330	0.0	20.40	19.45	1	25	Right	0	0.672	0.254	1.245	0.837	0.316	0.523		20.2	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	0.01	793.00	23330	0.0	20.40	19.54	25	12	Right	0	0.685	0.255	1.219	0.835	0.311	0.522		20.2	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	-0.02	793.00	23330	0.0	20.40	19.42	50	0	Right	0	0.667	0.251	1.253	0.836	0.315	0.523		20.2	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	-0.04	793.00	23330	0.0	20.40	19.45	1	25	Left	0	0.040	0.018	1.245	0.050	0.022	0.031		32.4	
Body	LTE Band 14	10	QPSK	2	HXM56	1:1	0.03	793.00	23330	0.0	20.40	19.54	25	12	Left	0	0.040	0.018	1.219	0.049	0.022	0.031		32.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-18 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	0.01	793.00	23330	0.0	21.80	20.75	1	25	Back	0	0.750	0.341	1.274	0.956	0.434	0.598		21.3	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	-0.01	793.00	23330	0.0	21.80	20.87	25	12	Back	0	0.765	0.348	1.239	0.948	0.431	0.593	A7	21.3	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	0.01	793.00	23330	0.0	21.80	20.73	50	0	Back	0	0.763	0.346	1.279	0.976	0.443	0.610		21.2	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	-0.05	793.00	23330	0.0	21.80	20.75	1	25	Top	0	0.722	0.290	1.274	0.920	0.369	0.575		21.5	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	-0.07	793.00	23330	0.0	21.80	20.87	25	12	Top	0	0.728	0.291	1.239	0.902	0.361	0.564		21.5	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	0.02	793.00	23330	0.0	21.80	20.73	50	0	Top	0	0.717	0.286	1.279	0.917	0.366	0.573		21.5	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	-0.08	793.00	23330	0.0	21.80	20.75	1	25	Bottom	0	0.026	0.011	1.274	0.033	0.014	0.021		35.9	21.2
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	-0.04	793.00	23330	0.0	21.80	20.87	25	12	Bottom	0	0.028	0.012	1.239	0.035	0.015	0.022		35.7	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	0.02	793.00	23330	0.0	21.80	20.75	1	25	Right	0	0.050	0.023	1.274	0.064	0.029	0.040		33.1	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	-0.01	793.00	23330	0.0	21.80	20.87	25	12	Right	0	0.048	0.022	1.239	0.059	0.027	0.037		33.4	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	-0.13	793.00	23330	0.0	21.80	20.75	1	25	Left	0	0.677	0.281	1.274	0.862	0.358	0.539		21.7	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	0.02	793.00	23330	0.0	21.80	20.87	25	12	Left	0	0.655	0.268	1.239	0.812	0.332	0.508		22.0	
Body	LTE Band 14	10	QPSK	4	L4HWV	1:1	-0.03	793.00	23330	0.0	21.80	20.73	50	0	Left	0	0.618	0.263	1.279	0.790	0.336	0.494		22.1	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.8 LTE Band 26 (Cell) Standalone SAR

Table 10-19 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.16	819.00	26740	0.0	19.70	19.55	1	0	Back	0	0.913	0.435	1.035	0.945	0.450	0.591	A8	19.0	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.02	819.00	26740	0.0	19.70	19.55	1	0	Back	0	0.895	0.431	1.035	0.926	0.446	0.579		19.1	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.04	831.50	26865	0.0	19.70	19.31	1	49	Back	0	0.755	0.357	1.094	0.826	0.391	0.516		19.6	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.13	844.00	26990	0.0	19.70	19.32	1	0	Back	0	0.757	0.355	1.091	0.826	0.387	0.516		19.6	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.00	819.00	26740	0.0	19.70	19.48	25	12	Back	0	0.897	0.429	1.052	0.944	0.451	0.590		19.0	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.02	831.50	26865	0.0	19.70	19.37	25	12	Back	0	0.787	0.372	1.079	0.849	0.401	0.531		19.5	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.01	844.00	26990	0.0	19.70	19.28	25	25	Back	0	0.708	0.327	1.102	0.780	0.360	0.488		19.9	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.02	819.00	26740	0.0	19.70	19.37	50	0	Back	0	0.870	0.412	1.079	0.939	0.445	0.587		19.1	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.07	819.00	26740	0.0	19.70	19.55	1	0	Top	0	0.029	0.012	1.035	0.030	0.012	0.019		34.0	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.09	819.00	26740	0.0	19.70	19.48	25	12	Top	0	0.026	0.011	1.052	0.027	0.012	0.017		34.4	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.10	819.00	26740	0.0	19.70	19.55	1	0	Bottom	0	0.742	0.301	1.035	0.768	0.312	0.480		19.9	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.08	831.50	26865	0.0	19.70	19.31	1	49	Bottom	0	0.742	0.298	1.094	0.812	0.326	0.508		19.7	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.01	844.00	26990	0.0	19.70	19.32	1	0	Bottom	0	0.778	0.315	1.091	0.849	0.344	0.531		19.5	19.0
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.01	819.00	26740	0.0	19.70	19.48	25	12	Bottom	0	0.747	0.303	1.052	0.786	0.319	0.491		19.8	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.03	831.50	26865	0.0	19.70	19.37	25	12	Bottom	0	0.761	0.307	1.079	0.821	0.331	0.513		19.6	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.04	844.00	26990	0.0	19.70	19.28	25	25	Bottom	0	0.790	0.315	1.102	0.871	0.347	0.544		19.4	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.00	819.00	26740	0.0	19.70	19.37	50	0	Bottom	0	0.746	0.299	1.079	0.805	0.323	0.503		19.7	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.12	819.00	26740	0.0	19.70	19.55	1	0	Right	0	0.750	0.289	1.035	0.776	0.299	0.485		19.9	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.02	831.50	26865	0.0	19.70	19.31	1	49	Right	0	0.867	0.331	1.094	0.948	0.362	0.593		19.0	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.11	844.00	26990	0.0	19.70	19.32	1	0	Right	0	0.869	0.341	1.091	0.948	0.372	0.593		19.0	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.02	819.00	26740	0.0	19.70	19.48	25	12	Right	0	0.799	0.307	1.052	0.841	0.323	0.526		19.5	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.02	831.50	26865	0.0	19.70	19.37	25	12	Right	0	0.878	0.336	1.079	0.947	0.363	0.592		19.0	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.04	844.00	26990	0.0	19.70	19.28	25	25	Right	0	0.858	0.337	1.102	0.946	0.371	0.591		19.0	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	-0.03	819.00	26740	0.0	19.70	19.37	50	0	Right	0	0.814	0.307	1.079	0.878	0.331	0.549		19.4	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.05	819.00	26740	0.0	19.70	19.55	1	0	Left	0	0.029	0.015	1.035	0.030	0.016	0.019		34.0	
Body	LTE Band 26	10	QPSK	2	L4HWV	1:1	0.01	819.00	26740	0.0	19.70	19.48	25	12	Left	0	0.030	0.015	1.052	0.032	0.016	0.020		33.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Blue entry represents variability measurement

Table 10-20 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.00	819.00	26740	0.0	20.00	19.40	1	0	Back	0	0.865	0.418	1.148	0.993	0.480	0.621		19.1	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.07	831.50	26865	0.0	20.00	19.41	1	49	Back	0	0.725	0.350	1.146	0.831	0.401	0.519		19.9	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.01	844.00	26990	0.0	20.00	19.27	1	49	Back	0	0.616	0.283	1.183	0.729	0.335	0.456		20.5	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.02	819.00	26740	0.0	20.00	19.38	25	12	Back	0	0.789	0.364	1.153	0.910	0.420	0.569		19.5	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.00	831.50	26865	0.0	20.00	19.39	25	12	Back	0	0.755	0.366	1.151	0.869	0.421	0.543		19.7	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.01	844.00	26990	0.0	20.00	19.24	25	12	Back	0	0.626	0.288	1.191	0.746	0.343	0.466		20.4	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.01	819.00	26740	0.0	20.00	19.32	50	0	Back	0	0.834	0.404	1.169	0.975	0.472	0.609		19.2	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.06	819.00	26740	0.0	20.00	19.40	1	0	Top	0	0.713	0.288	1.148	0.819	0.331	0.512		20.0	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.03	831.50	26865	0.0	20.00	19.41	1	49	Top	0	0.752	0.295	1.146	0.862	0.338	0.539		19.7	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.03	844.00	26990	0.0	20.00	19.27	1	49	Top	0	0.740	0.292	1.183	0.875	0.345	0.547		19.7	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.01	819.00	26740	0.0	20.00	19.38	25	12	Top	0	0.740	0.297	1.153	0.853	0.342	0.533		19.8	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.04	831.50	26865	0.0	20.00	19.39	25	12	Top	0	0.741	0.294	1.151	0.853	0.338	0.533		19.8	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.02	844.00	26990	0.0	20.00	19.24	25	12	Top	0	0.726	0.287	1.191	0.865	0.342	0.541		19.7	19.1
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.01	819.00	26740	0.0	20.00	19.32	50	0	Top	0	0.699	0.281	1.169	0.817	0.328	0.511		20.0	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.02	831.50	26865	0.0	20.00	19.41	1	49	Bottom	0	0.036	0.016	1.146	0.041	0.018	0.026		32.9	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.02	831.50	26865	0.0	20.00	19.39	25	12	Bottom	0	0.043	0.019	1.151	0.049	0.022	0.031		32.1	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.05	831.50	26865	0.0	20.00	19.41	1	49	Right	0	0.030	0.014	1.146	0.034	0.016	0.021		33.7	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.09	831.50	26865	0.0	20.00	19.39	25	12	Right	0	0.035	0.017	1.151	0.040	0.020	0.025		33.0	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.02	819.00	26740	0.0	20.00	19.40	1	0	Left	0	0.762	0.293	1.148	0.875	0.336	0.547		19.7	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.00	831.50	26865	0.0	20.00	19.41	1	49	Left	0	0.776	0.303	1.146	0.889	0.347	0.556		19.6	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.01	844.00	26990	0.0	20.00	19.27	1	49	Left	0	0.675	0.278	1.183	0.799	0.329	0.499		20.1	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.03	819.00	26740	0.0	20.00	19.38	25	12	Left	0	0.776	0.302	1.153	0.895	0.348	0.559		19.6	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.01	831.50	26865	0.0	20.00	19.39	25	12	Left	0	0.769	0.298	1.151	0.885	0.343	0.553		19.6	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	-0.01	844.00	26990	0.0	20.00	19.24	25	12	Left	0	0.708	0.289	1.191	0.843	0.344	0.527		19.8	
Body	LTE Band 26	10	QPSK	4	0KCF7	1:1	0.01	819.00	26740	0.0	20.00	19.32	50	0	Left	0	0.754	0.293	1.169	0.881	0.343	0.551		19.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

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10.9 LTE Band 5 (Cell) Standalone SAR

Table 10-21 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	-0.07	836.50	20525	0.0	19.90	19.21	1	49	Back	0	N/A	0.752	0.360	1.172	0.881	0.422	0.551		19.4	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	0.01	836.50	20525	0.0	19.90	19.11	25	12	Back	0	N/A	0.772	0.370	1.199	0.926	0.444	0.579		19.2	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	0.01	836.50	20525	0.0	19.90	19.08	50	0	Back	0	N/A	0.767	0.367	1.208	0.927	0.443	0.579		19.2	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	0.05	836.50	20525	0.0	19.90	19.21	1	49	Top	0	N/A	0.036	0.015	1.172	0.042	0.018	0.026		32.6	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	0.04	836.50	20525	0.0	19.90	19.11	25	12	Top	0	N/A	0.032	0.014	1.199	0.038	0.017	0.024		33.0	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	-0.11	836.50	20525	0.0	19.90	19.21	1	49	Bottom	0	N/A	0.775	0.308	1.172	0.908	0.361	0.568		19.3	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	-0.01	836.50	20525	0.0	19.90	19.11	25	12	Bottom	0	N/A	0.748	0.297	1.199	0.897	0.356	0.561		19.4	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	0.00	836.50	20525	0.0	19.90	19.08	50	0	Bottom	0	N/A	0.747	0.296	1.208	0.902	0.358	0.564		19.3	19.0
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	-0.07	836.50	20525	0.0	19.90	19.21	1	49	Right	0	N/A	0.836	0.327	1.172	0.980	0.383	0.613	A9	19.0	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	0.01	836.50	20525	0.0	19.90	19.11	25	12	Right	0	N/A	0.809	0.313	1.199	0.970	0.375	0.606		19.0	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	-0.09	836.50	20525	0.0	19.90	19.08	50	0	Right	0	N/A	0.798	0.307	1.208	0.964	0.371	0.603		19.0	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	0.04	836.50	20525	0.0	19.90	19.21	1	49	Left	0	N/A	0.040	0.020	1.172	0.047	0.023	0.029		32.2	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	-0.01	836.50	20525	0.0	19.90	19.11	25	12	Left	0	N/A	0.039	0.020	1.199	0.047	0.024	0.029		32.2	
Body	LTE Band 5	10	QPSK	2	M4TNW	1:1	-0.02	836.50	20525	0.0	19.90	19.17	1	49	Right	0	ULCA 5B	0.817	0.323	1.183	0.967	0.382	0.604		19.0	
		5						843.70	20597				1	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-22 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	-0.02	836.50	20525	0.0	20.00	19.33	1	25	Back	0	N/A	0.701	0.330	1.167	0.818	0.385	0.511		19.9	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.01	836.50	20525	0.0	20.00	19.39	25	25	Back	0	N/A	0.685	0.323	1.151	0.788	0.372	0.493		20.0	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.02	836.50	20525	0.0	20.00	19.32	50	0	Back	0	N/A	0.691	0.325	1.169	0.808	0.380	0.505		19.9	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.09	836.50	20525	0.0	20.00	19.33	1	25	Top	0	N/A	0.677	0.275	1.167	0.790	0.321	0.494		20.0	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.00	836.50	20525	0.0	20.00	19.39	25	25	Top	0	N/A	0.693	0.281	1.151	0.798	0.323	0.499		20.0	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.05	836.50	20525	0.0	20.00	19.33	1	25	Bottom	0	N/A	0.037	0.017	1.167	0.043	0.020	0.027		32.6	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.04	836.50	20525	0.0	20.00	19.39	25	25	Bottom	0	N/A	0.035	0.017	1.151	0.040	0.020	0.025		32.9	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.04	836.50	20525	0.0	20.00	19.33	1	25	Right	0	N/A	0.037	0.017	1.167	0.043	0.020	0.027		32.6	19.4
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.02	836.50	20525	0.0	20.00	19.39	25	25	Right	0	N/A	0.041	0.019	1.151	0.047	0.022	0.029		32.2	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.06	836.50	20525	0.0	20.00	19.33	1	25	Left	0	N/A	0.772	0.306	1.167	0.901	0.357	0.563		19.4	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	-0.05	836.50	20525	0.0	20.00	19.28	1	0	Left	0	N/A	0.772	0.306	1.180	0.911	0.361	0.569		19.4	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	-0.04	836.50	20525	0.0	20.00	19.39	25	25	Left	0	N/A	0.769	0.307	1.151	0.885	0.353	0.553		19.5	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.00	836.50	20525	0.0	20.00	19.32	50	0	Left	0	N/A	0.754	0.303	1.169	0.881	0.354	0.551		19.5	
Body	LTE Band 5	10	QPSK	4	XTVPF	1:1	0.00	836.50	20525	0.0	20.00	19.15	1	0	Left	0	ULCA 5B	0.715	0.285	1.216	0.869	0.347	0.543		19.6	
		5						829.30	20453				1	24												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram										

10.10 LTE Band 66 (AWS) Standalone SAR

Table 10-23 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.03	1720.00	132072	0.0	13.20	12.36	1	0	Back	0	0.744	0.286	1.213	0.902	0.347	0.564		12.6	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	-0.03	1745.00	132322	0.0	13.20	12.37	1	0	Back	0	0.766	0.291	1.211	0.928	0.352	0.580		12.5	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.03	1770.00	132572	0.0	13.20	12.34	1	50	Back	0	0.809	0.307	1.219	0.986	0.374	0.616		12.2	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.00	1720.00	132072	0.0	13.20	12.35	50	25	Back	0	0.767	0.293	1.216	0.933	0.356	0.583		12.5	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	-0.01	1745.00	132322	0.0	13.20	12.39	50	25	Back	0	0.777	0.295	1.205	0.936	0.355	0.585		12.5	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	-0.01	1770.00	132572	0.0	13.20	12.38	50	50	Back	0	0.810	0.309	1.208	0.978	0.373	0.611		12.3	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.01	1745.00	132322	0.0	13.20	12.34	100	0	Back	0	0.781	0.295	1.219	0.952	0.360	0.595		12.4	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.07	1745.00	132322	0.0	13.20	12.37	1	0	Top	0	0.000	0.000	1.211	0.000	0.000	0.000		51.4	12.2
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.04	1745.00	132322	0.0	13.20	12.39	50	25	Top	0	0.000	0.000	1.205	0.000	0.000	0.000		51.4	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	-0.02	1745.00	132322	0.0	13.20	12.37	1	0	Bottom	0	0.610	0.219	1.211	0.739	0.265	0.462		13.5	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.00	1745.00	132322	0.0	13.20	12.39	50	25	Bottom	0	0.629	0.225	1.205	0.758	0.271	0.474		13.4	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.08	1745.00	132322	0.0	13.20	12.37	1	0	Right	0	0.012	0.005	1.211	0.015	0.006	0.009		30.6	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.01	1745.00	132322	0.0	13.20	12.39	50	25	Right	0	0.015	0.006	1.205	0.018	0.007	0.011		29.6	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.14	1745.00	132322	0.0	13.20	12.37	1	0	Left	0	0.025	0.011	1.211	0.030	0.013	0.019		27.4	
Body	LTE Band 66	20	QPSK	1b	Q97RL	1:1	0.03	1745.00	132322	0.0	13.20	12.39	50	25	Left	0	0.028	0.012	1.205	0.034	0.014	0.021		26.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-24 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.05	1720.00	132072	0.0	15.30	14.76	1	0	Back	0	0.818	0.341	1.132	0.926	0.386	0.579		14.6	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.02	1745.00	132322	0.0	15.30	14.79	1	0	Back	0	0.793	0.332	1.125	0.892	0.374	0.558		14.8	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.03	1770.00	132572	0.0	15.30	14.46	1	0	Back	0	0.729	0.304	1.213	0.884	0.369	0.553		14.8	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.01	1720.00	132072	0.0	15.30	14.79	50	0	Back	0	0.818	0.339	1.125	0.920	0.381	0.575		14.6	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.05	1745.00	132322	0.0	15.30	14.87	50	25	Back	0	0.784	0.328	1.104	0.866	0.362	0.541		14.9	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.02	1770.00	132572	0.0	15.30	14.66	50	25	Back	0	0.723	0.301	1.159	0.838	0.349	0.524		15.0	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.03	1745.00	132322	0.0	15.30	14.75	100	0	Back	0	0.782	0.326	1.135	0.888	0.370	0.555		14.8	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.03	1745.00	132322	0.0	15.30	14.79	1	0	Top	0	0.000	0.000	1.125	0.000	0.000	0.000		53.8	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.03	1745.00	132322	0.0	15.30	14.87	50	25	Top	0	0.000	0.000	1.104	0.000	0.000	0.000		53.9	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.06	1745.00	132322	0.0	15.30	14.79	1	0	Bottom	0	0.309	0.119	1.125	0.348	0.134	0.218		18.9	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.04	1745.00	132322	0.0	15.30	14.87	50	25	Bottom	0	0.317	0.121	1.104	0.350	0.134	0.219		18.8	14.6
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.03	1720.00	132072	0.0	15.30	14.76	1	0	Right	0	0.722	0.239	1.132	0.817	0.271	0.511		15.2	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.03	1745.00	132322	0.0	15.30	14.79	1	0	Right	0	0.770	0.260	1.125	0.866	0.293	0.541		14.9	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.01	1770.00	132572	0.0	15.30	14.46	1	0	Right	0	0.750	0.256	1.213	0.910	0.311	0.569		14.7	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.06	1720.00	132072	0.0	15.30	14.79	50	0	Right	0	0.743	0.247	1.125	0.836	0.278	0.523		15.1	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.01	1745.00	132322	0.0	15.30	14.87	50	25	Right	0	0.838	0.277	1.104	0.925	0.306	0.578	A10	14.6	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.00	1770.00	132572	0.0	15.30	14.66	50	25	Right	0	0.753	0.259	1.159	0.873	0.300	0.546		14.9	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	-0.02	1745.00	132322	0.0	15.30	14.75	100	0	Right	0	0.786	0.267	1.135	0.892	0.303	0.558		14.8	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.04	1745.00	132322	0.0	15.30	14.79	1	0	Left	0	0.000	0.000	1.125	0.000	0.000	0.000		53.8	
Body	LTE Band 66	20	QPSK	2	Q91JW	1:1	0.03	1745.00	132322	0.0	15.30	14.87	50	25	Left	0	0.002	0.000	1.104	0.002	0.000	0.001		40.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram										

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Table 10-25 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	0.02	1745.00	132322	0.0	12.90	11.69	1	0	Back	0	0.254	0.106	1.321	0.336	0.140	0.210		16.6	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	-0.02	1745.00	132322	0.0	12.90	11.63	50	25	Back	0	0.264	0.108	1.340	0.354	0.145	0.221		16.4	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	-0.02	1720.00	132072	0.0	12.90	11.54	1	99	Top	0	0.602	0.217	1.368	0.824	0.297	0.515		12.7	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	0.01	1745.00	132322	0.0	12.90	11.69	1	0	Top	0	0.618	0.224	1.321	0.816	0.296	0.510		12.8	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	0.00	1770.00	132572	0.0	12.90	11.33	1	0	Top	0	0.639	0.232	1.435	0.917	0.333	0.573		12.3	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	-0.01	1720.00	132072	0.0	12.90	11.55	50	25	Top	0	0.600	0.218	1.365	0.819	0.298	0.512		12.7	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	-0.03	1745.00	132322	0.0	12.90	11.63	50	25	Top	0	0.639	0.232	1.340	0.856	0.311	0.535		12.6	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	-0.03	1770.00	132572	0.0	12.90	11.55	50	25	Top	0	0.654	0.237	1.365	0.893	0.324	0.558		12.4	12.3
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	0.00	1720.00	132072	0.0	12.90	11.60	100	0	Top	0	0.602	0.219	1.349	0.812	0.295	0.508		12.8	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	0.01	1745.00	132322	0.0	12.90	11.69	1	0	Bottom	0	0.000	0.000	1.321	0.000	0.000	0.000		50.7	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	0.02	1745.00	132322	0.0	12.90	11.63	50	25	Bottom	0	0.000	0.000	1.340	0.000	0.000	0.000		50.6	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	-0.17	1745.00	132322	0.0	12.90	11.69	1	0	Right	0	0.020	0.009	1.321	0.026	0.012	0.016		27.7	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	0.13	1745.00	132322	0.0	12.90	11.63	50	25	Right	0	0.020	0.009	1.340	0.027	0.012	0.017		27.6	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	0.08	1745.00	132322	0.0	12.90	11.69	1	0	Left	0	0.005	0.001	1.321	0.007	0.001	0.004		33.7	
Body	LTE Band 66	20	QPSK	3b	Q96KN	1:1	-0.18	1745.00	132322	0.0	12.90	11.63	50	25	Left	0	0.008	0.003	1.340	0.011	0.004	0.007		31.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-26 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.02	1745.00	132322	0.0	15.30	14.78	1	50	Back	0	0.669	0.287	1.127	0.754	0.323	0.471		15.5	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.00	1745.00	132322	0.0	15.30	14.82	50	25	Back	0	0.693	0.295	1.117	0.774	0.330	0.484		15.4	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.02	1745.00	132322	0.0	15.30	14.78	1	50	Top	0	0.499	0.204	1.127	0.562	0.230	0.351		16.8	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	-0.03	1745.00	132322	0.0	15.30	14.82	50	25	Top	0	0.510	0.209	1.117	0.570	0.233	0.356		16.7	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.03	1745.00	132322	0.0	15.30	14.78	1	50	Bottom	0	0.004	0.001	1.127	0.005	0.001	0.003		37.7	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.02	1745.00	132322	0.0	15.30	14.82	50	25	Bottom	0	0.004	0.001	1.117	0.004	0.001	0.003		37.8	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.02	1745.00	132322	0.0	15.30	14.78	1	50	Right	0	0.000	0.000	1.127	0.000	0.000	0.000		53.8	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.01	1745.00	132322	0.0	15.30	14.82	50	25	Right	0	0.000	0.000	1.117	0.000	0.000	0.000		53.8	14.7
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.03	1720.00	132072	0.0	15.30	14.50	1	50	Left	0	0.719	0.260	1.202	0.864	0.313	0.540		14.9	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.03	1745.00	132322	0.0	15.30	14.78	1	50	Left	0	0.789	0.283	1.127	0.889	0.319	0.556		14.8	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.00	1770.00	132572	0.0	15.30	14.73	1	50	Left	0	0.704	0.255	1.140	0.803	0.291	0.502		15.2	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.00	1720.00	132072	0.0	15.30	14.71	50	25	Left	0	0.732	0.263	1.146	0.839	0.301	0.524		15.0	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.03	1745.00	132322	0.0	15.30	14.82	50	25	Left	0	0.807	0.290	1.117	0.901	0.324	0.563		14.7	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	-0.03	1770.00	132572	0.0	15.30	14.74	50	50	Left	0	0.699	0.254	1.138	0.795	0.289	0.497		15.3	
Body	LTE Band 66	20	QPSK	4	PY2L1	1:1	0.00	1745.00	132322	0.0	15.30	14.77	100	0	Left	0	0.744	0.269	1.130	0.841	0.304	0.526		15.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.11 LTE Band 25 (PCS) Standalone SAR

Table 10-27 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	-0.06	1860.00	26140	0.0	12.30	11.92	1	50	Back	0	0.829	0.322	1.091	0.904	0.351	0.565		11.7	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	-0.05	1882.50	26365	0.0	12.30	11.94	1	50	Back	0	0.898	0.349	1.086	0.975	0.379	0.609		11.4	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	-0.06	1905.00	26590	0.0	12.30	12.11	1	0	Back	0	0.928	0.358	1.045	0.970	0.374	0.606	A11	11.4	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	-0.04	1860.00	26140	0.0	12.30	12.01	50	50	Back	0	0.806	0.313	1.069	0.862	0.335	0.539		11.9	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	-0.05	1882.50	26365	0.0	12.30	11.97	50	50	Back	0	0.853	0.331	1.079	0.920	0.357	0.575		11.6	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.01	1905.00	26590	0.0	12.30	12.02	50	50	Back	0	0.899	0.348	1.067	0.959	0.371	0.599		11.5	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.00	1905.00	26590	0.0	12.30	12.00	100	0	Back	0	0.882	0.341	1.072	0.946	0.366	0.591		11.5	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.09	1905.00	26590	0.0	12.30	12.11	1	0	Top	0	0.000	0.000	1.045	0.000	0.000	0.000		51.1	11.4
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.01	1905.00	26590	0.0	12.30	12.02	50	50	Top	0	0.000	0.000	1.067	0.000	0.000	0.000		51.0	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	-0.03	1905.00	26590	0.0	12.30	12.11	1	0	Bottom	0	0.606	0.217	1.045	0.633	0.227	0.396		13.3	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.00	1905.00	26590	0.0	12.30	12.02	50	50	Bottom	0	0.633	0.227	1.067	0.675	0.242	0.422		13.0	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.02	1905.00	26590	0.0	12.30	12.11	1	0	Right	0	0.000	0.000	1.045	0.000	0.000	0.000		51.1	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.08	1905.00	26590	0.0	12.30	12.02	50	50	Right	0	0.000	0.000	1.067	0.000	0.000	0.000		51.0	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.03	1905.00	26590	0.0	12.30	12.11	1	0	Left	0	0.000	0.000	1.045	0.000	0.000	0.000		51.1	
Body	LTE Band 25	20	QPSK	1b	Q96KN	1:1	0.08	1905.00	26590	0.0	12.30	12.02	50	50	Left	0	0.000	0.000	1.067	0.000	0.000	0.000		51.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-28 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.04	1860.00	26140	0.0	15.60	15.06	1	50	Back	0	0.763	0.312	1.132	0.864	0.353	0.540		15.5	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.06	1882.50	26365	0.0	15.60	14.99	1	50	Back	0	0.759	0.304	1.151	0.874	0.350	0.546		15.5	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.04	1905.00	26590	0.0	15.60	14.71	1	50	Back	0	0.749	0.298	1.227	0.919	0.366	0.574		15.3	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.00	1860.00	26140	0.0	15.60	15.11	50	25	Back	0	0.785	0.320	1.119	0.878	0.358	0.549		15.5	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.03	1882.50	26365	0.0	15.60	14.97	50	0	Back	0	0.770	0.308	1.156	0.890	0.356	0.556		15.4	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.04	1905.00	26590	0.0	15.60	14.92	50	25	Back	0	0.760	0.303	1.169	0.888	0.354	0.555		15.4	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.01	1860.00	26140	0.0	15.60	15.02	100	0	Back	0	0.770	0.311	1.143	0.880	0.355	0.550		15.5	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.02	1860.00	26140	0.0	15.60	15.06	1	50	Top	0	0.000	0.000	1.132	0.000	0.000	0.000		54.4	15.3
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.02	1860.00	26140	0.0	15.60	15.11	50	25	Top	0	0.000	0.000	1.119	0.000	0.000	0.000		54.4	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.03	1860.00	26140	0.0	15.60	15.06	1	50	Bottom	0	0.322	0.120	1.132	0.365	0.136	0.228		19.3	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.02	1860.00	26140	0.0	15.60	15.11	50	25	Bottom	0	0.328	0.123	1.119	0.367	0.138	0.229		19.2	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.03	1860.00	26140	0.0	15.60	15.06	1	50	Right	0	0.638	0.219	1.132	0.722	0.248	0.451		16.3	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	-0.02	1860.00	26140	0.0	15.60	15.11	50	25	Right	0	0.655	0.220	1.119	0.733	0.246	0.458		16.2	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.01	1860.00	26140	0.0	15.60	15.06	1	50	Left	0	0.019	0.009	1.132	0.022	0.010	0.014		31.6	
Body	LTE Band 25	20	QPSK	2	Q96KN	1:1	0.08	1860.00	26140	0.0	15.60	15.11	50	25	Left	0	0.016	0.007	1.119	0.018	0.008	0.011		32.4	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-29 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	-0.01	1882.50	26365	0.0	12.90	12.13	1	50	Back	0	0.488	0.205	1.194	0.583	0.245	0.364		14.2	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	0.00	1882.50	26365	0.0	12.90	12.15	50	25	Back	0	0.504	0.211	1.189	0.599	0.251	0.374		14.1	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	0.03	1860.00	26140	0.0	12.90	11.91	1	50	Top	0	0.733	0.269	1.256	0.921	0.338	0.576		12.2	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	-0.06	1882.50	26365	0.0	12.90	12.13	1	50	Top	0	0.745	0.273	1.194	0.890	0.326	0.556		12.4	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	-0.10	1905.00	26590	0.0	12.90	12.07	1	50	Top	0	0.748	0.273	1.211	0.906	0.331	0.566		12.3	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	-0.03	1860.00	26140	0.0	12.90	12.12	50	25	Top	0	0.744	0.273	1.197	0.891	0.327	0.557		12.4	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	-0.01	1882.50	26365	0.0	12.90	12.15	50	25	Top	0	0.761	0.279	1.189	0.905	0.332	0.566		12.3	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	-0.05	1905.00	26590	0.0	12.90	12.14	50	25	Top	0	0.759	0.277	1.191	0.904	0.330	0.565		12.3	12.2
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	-0.04	1882.50	26365	0.0	12.90	12.12	100	0	Top	0	0.757	0.277	1.197	0.906	0.332	0.566		12.3	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	0.01	1882.50	26365	0.0	12.90	12.13	1	50	Bottom	0	0.000	0.000	1.194	0.000	0.000	0.000		51.1	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	0.05	1882.50	26365	0.0	12.90	12.15	50	25	Bottom	0	0.000	0.000	1.189	0.000	0.000	0.000		51.1	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	0.16	1882.50	26365	0.0	12.90	12.13	1	50	Right	0	0.037	0.016	1.194	0.044	0.019	0.028		25.4	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	-0.01	1882.50	26365	0.0	12.90	12.15	50	25	Right	0	0.039	0.016	1.189	0.046	0.019	0.029		25.2	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	0.01	1882.50	26365	0.0	12.90	12.13	1	50	Left	0	0.012	0.005	1.194	0.014	0.006	0.009		30.3	
Body	LTE Band 25	20	QPSK	3b	RRXWW	1:1	0.01	1882.50	26365	0.0	12.90	12.15	50	25	Left	0	0.012	0.005	1.189	0.014	0.006	0.009		30.3	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-30 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.07	1860.00	26140	0.0	14.40	12.98	1	50	Back	0	0.567	0.246	1.387	0.786	0.341	0.491		14.4	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.00	1882.50	26365	0.0	14.40	12.99	1	50	Back	0	0.618	0.257	1.384	0.855	0.356	0.534		14.1	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.03	1905.00	26590	0.0	14.40	12.98	1	50	Back	0	0.542	0.232	1.387	0.752	0.322	0.470		14.6	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.02	1860.00	26140	0.0	14.40	13.05	50	50	Back	0	0.579	0.251	1.365	0.790	0.343	0.494		14.4	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.01	1882.50	26365	0.0	14.40	13.06	50	0	Back	0	0.627	0.261	1.361	0.853	0.355	0.533		14.1	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.02	1905.00	26590	0.0	14.40	13.00	50	25	Back	0	0.541	0.232	1.380	0.747	0.320	0.467		14.6	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.02	1905.00	26590	0.0	14.40	12.93	100	0	Back	0	0.545	0.233	1.403	0.765	0.327	0.478		14.5	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.01	1882.50	26365	0.0	14.40	12.99	1	50	Top	0	0.296	0.118	1.384	0.410	0.163	0.256		17.3	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	-0.02	1882.50	26365	0.0	14.40	13.06	50	0	Top	0	0.295	0.118	1.361	0.401	0.161	0.251		17.3	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.03	1882.50	26365	0.0	14.40	12.99	1	50	Bottom	0	0.000	0.000	1.384	0.000	0.000	0.000		52.0	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.09	1882.50	26365	0.0	14.40	13.06	50	0	Bottom	0	0.000	0.000	1.361	0.000	0.000	0.000		52.0	13.8
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.05	1882.50	26365	0.0	14.40	12.99	1	50	Right	0	0.002	0.000	1.384	0.003	0.000	0.002		39.0	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.08	1882.50	26365	0.0	14.40	13.06	50	0	Right	0	0.002	0.000	1.361	0.003	0.000	0.002		39.0	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.03	1860.00	26140	0.0	14.40	12.98	1	50	Left	0	0.647	0.227	1.387	0.897	0.315	0.561		13.9	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	-0.05	1882.50	26365	0.0	14.40	12.99	1	50	Left	0	0.648	0.234	1.384	0.897	0.324	0.561		13.9	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	-0.15	1905.00	26590	0.0	14.40	12.98	1	50	Left	0	0.621	0.217	1.387	0.861	0.301	0.538		14.0	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	-0.18	1860.00	26140	0.0	14.40	13.05	50	50	Left	0	0.660	0.232	1.365	0.901	0.317	0.563		13.8	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.04	1882.50	26365	0.0	14.40	13.06	50	0	Left	0	0.666	0.236	1.361	0.906	0.321	0.566		13.8	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	-0.04	1905.00	26590	0.0	14.40	13.00	50	25	Left	0	0.618	0.218	1.380	0.853	0.301	0.533		14.1	
Body	LTE Band 25	20	QPSK	4	Q96KN	1:1	0.02	1905.00	26590	0.0	14.40	12.93	100	0	Left	0	0.622	0.219	1.403	0.873	0.307	0.546		14.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.12 LTE Band 30 Standalone SAR

Table 10-31 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	0.06	2310.00	27710	0.0	12.50	12.01	1	49	Back	0	0.879	0.310	1.119	0.984	0.347	0.615	A12	11.6	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	-0.07	2310.00	27710	0.0	12.50	12.01	1	49	Back	0	0.863	0.307	1.119	0.966	0.344	0.604		11.6	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	-0.09	2310.00	27710	0.0	12.50	12.03	25	12	Back	0	0.867	0.310	1.114	0.966	0.345	0.604		11.6	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	0.00	2310.00	27710	0.0	12.50	12.00	50	0	Back	0	0.859	0.307	1.122	0.964	0.344	0.603		11.6	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	0.03	2310.00	27710	0.0	12.50	12.01	1	49	Top	0	0.010	0.004	1.119	0.011	0.004	0.007		31.0	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	-0.02	2310.00	27710	0.0	12.50	12.03	25	12	Top	0	0.010	0.003	1.114	0.011	0.003	0.007		31.0	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	0.11	2310.00	27710	0.0	12.50	12.01	1	49	Bottom	0	0.713	0.239	1.119	0.798	0.267	0.499		12.5	11.6
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	0.02	2310.00	27710	0.0	12.50	12.03	25	12	Bottom	0	0.737	0.246	1.114	0.821	0.274	0.513		12.3	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	0.01	2310.00	27710	0.0	12.50	12.00	50	0	Bottom	0	0.761	0.240	1.122	0.854	0.269	0.534		12.2	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	0.02	2310.00	27710	0.0	12.50	12.01	1	49	Right	0	0.015	0.005	1.119	0.017	0.006	0.011		29.2	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	0.09	2310.00	27710	0.0	12.50	12.03	25	12	Right	0	0.014	0.005	1.114	0.016	0.006	0.010		29.5	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	-0.18	2310.00	27710	0.0	12.50	12.01	1	49	Left	0	0.031	0.011	1.119	0.035	0.012	0.022		26.1	
Body	LTE Band 30	10	QPSK	1b	PY2L1	1:1	-0.08	2310.00	27710	0.0	12.50	12.03	25	12	Left	0	0.035	0.013	1.114	0.039	0.014	0.024		25.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Blue entry represents variability measurement

Table 10-32 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	0.05	2310.00	27710	0.0	13.30	12.04	1	25	Back	0	0.739	0.270	1.337	0.988	0.361	0.618		12.3	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	0.10	2310.00	27710	0.0	13.30	12.09	25	12	Back	0	0.749	0.274	1.321	0.989	0.362	0.618		12.3	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	0.09	2310.00	27710	0.0	13.30	11.99	50	0	Back	0	0.698	0.257	1.352	0.944	0.347	0.590		12.5	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	0.02	2310.00	27710	0.0	13.30	12.04	1	25	Top	0	0.006	0.002	1.337	0.008	0.003	0.005		33.2	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	-0.13	2310.00	27710	0.0	13.30	12.09	25	12	Top	0	0.006	0.002	1.321	0.008	0.003	0.005		33.3	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	-0.02	2310.00	27710	0.0	13.30	12.04	1	25	Bottom	0	0.259	0.083	1.337	0.346	0.111	0.216		16.9	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	-0.05	2310.00	27710	0.0	13.30	12.09	25	12	Bottom	0	0.257	0.082	1.321	0.339	0.108	0.212		17.0	12.3
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	0.04	2310.00	27710	0.0	13.30	12.04	1	25	Right	0	0.655	0.223	1.337	0.876	0.298	0.548		12.9	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	-0.02	2310.00	27710	0.0	13.30	12.09	25	12	Right	0	0.642	0.221	1.321	0.848	0.292	0.530		13.0	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	0.04	2310.00	27710	0.0	13.30	11.99	50	0	Right	0	0.636	0.215	1.352	0.860	0.291	0.538		12.9	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	0.02	2310.00	27710	0.0	13.30	12.04	1	25	Left	0	0.000	0.000	1.337	0.000	0.000	0.000		51.0	
Body	LTE Band 30	10	QPSK	2	PY2L1	1:1	0.04	2310.00	27710	0.0	13.30	12.09	25	12	Left	0	0.000	0.000	1.321	0.000	0.000	0.000		51.1	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-33 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	-0.03	2310.00	27710	0.0	12.90	12.25	1	0	Back	0	0.624	0.240	1.161	0.724	0.279	0.453		13.3	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	0.00	2310.00	27710	0.0	12.90	12.31	25	12	Back	0	0.621	0.239	1.146	0.712	0.274	0.445		13.4	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	-0.02	2310.00	27710	0.0	12.90	12.25	1	0	Top	0	0.832	0.287	1.161	0.966	0.333	0.604		12.0	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	-0.01	2310.00	27710	0.0	12.90	12.31	25	12	Top	0	0.827	0.288	1.146	0.948	0.330	0.593		12.1	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	0.00	2310.00	27710	0.0	12.90	12.24	50	0	Top	0	0.823	0.287	1.164	0.958	0.334	0.599		12.1	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	0.02	2310.00	27710	0.0	12.90	12.25	1	0	Bottom	0	0.000	0.000	1.161	0.000	0.000	0.000		51.2	12.0
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	0.04	2310.00	27710	0.0	12.90	12.31	25	12	Bottom	0	0.000	0.000	1.146	0.000	0.000	0.000		51.3	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	0.12	2310.00	27710	0.0	12.90	12.25	1	0	Right	0	0.045	0.019	1.161	0.052	0.022	0.033		24.7	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	0.03	2310.00	27710	0.0	12.90	12.31	25	12	Right	0	0.032	0.014	1.146	0.037	0.016	0.023		26.2	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	-0.12	2310.00	27710	0.0	12.90	12.25	1	0	Left	0	0.026	0.010	1.161	0.030	0.012	0.019		27.1	
Body	LTE Band 30	10	QPSK	3b	YRWVW	1:1	0.09	2310.00	27710	0.0	12.90	12.31	25	12	Left	0	0.028	0.010	1.146	0.032	0.011	0.020		26.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-34 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	-0.12	2310.00	27710	0.0	14.40	13.25	1	25	Back	0	0.750	0.281	1.303	0.977	0.366	0.611		13.5	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	0.01	2310.00	27710	0.0	14.40	13.29	25	12	Back	0	0.755	0.281	1.291	0.975	0.363	0.609		13.5	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	-0.02	2310.00	27710	0.0	14.40	13.23	50	0	Back	0	0.735	0.267	1.309	0.962	0.350	0.601		13.5	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	-0.01	2310.00	27710	0.0	14.40	13.25	1	25	Top	0	0.395	0.147	1.303	0.515	0.192	0.322		16.3	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	0.02	2310.00	27710	0.0	14.40	13.29	25	12	Top	0	0.391	0.146	1.291	0.505	0.188	0.316		16.3	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	0.07	2310.00	27710	0.0	14.40	13.25	1	25	Bottom	0	0.006	0.002	1.303	0.008	0.003	0.005		34.4	13.5
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	0.19	2310.00	27710	0.0	14.40	13.29	25	12	Bottom	0	0.005	0.002	1.291	0.006	0.003	0.004		35.3	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	0.08	2310.00	27710	0.0	14.40	13.25	1	25	Right	0	0.008	0.003	1.303	0.010	0.004	0.006		33.2	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	-0.01	2310.00	27710	0.0	14.40	13.29	25	12	Right	0	0.007	0.003	1.291	0.009	0.004	0.006		33.8	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	0.07	2310.00	27710	0.0	14.40	13.25	1	25	Left	0	0.486	0.170	1.303	0.633	0.222	0.396		15.4	
Body	LTE Band 30	10	QPSK	4	0KCF7	1:1	0.18	2310.00	27710	0.0	14.40	13.29	25	12	Left	0	0.452	0.158	1.291	0.584	0.204	0.365		15.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.13 LTE Band 7 Standalone SAR

Table 10-35 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	-0.05	2510.00	20850	0.0	13.20	11.73	1	50	Back	0	N/A	0.703	0.241	1.403	0.986	0.338	0.616		12.2	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	-0.02	2510.00	20850	0.0	13.20	11.48	1	99	Back	0	N/A	0.650	0.223	1.486	0.966	0.331	0.604		12.3	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.05	2535.00	21100	0.0	13.20	11.83	1	50	Back	0	N/A	0.669	0.228	1.371	0.917	0.313	0.573		12.6	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	-0.02	2560.00	21350	0.0	13.20	11.86	1	50	Back	0	N/A	0.652	0.222	1.361	0.887	0.302	0.554		12.7	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.03	2510.00	20850	0.0	13.20	11.85	50	0	Back	0	N/A	0.720	0.247	1.365	0.983	0.337	0.614		12.3	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.04	2535.00	21100	0.0	13.20	11.85	50	25	Back	0	N/A	0.687	0.233	1.365	0.938	0.318	0.586		12.5	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	-0.06	2560.00	21350	0.0	13.20	11.92	50	25	Back	0	N/A	0.667	0.227	1.343	0.896	0.305	0.560		12.7	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	-0.08	2560.00	21350	0.0	13.20	11.84	100	0	Back	0	N/A	0.686	0.231	1.368	0.938	0.316	0.586		12.5	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.07	2560.00	21350	0.0	13.20	11.86	1	50	Top	0	N/A	0.000	0.000	1.361	0.000	0.000	0.000		50.8	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.09	2560.00	21350	0.0	13.20	11.92	50	25	Top	0	N/A	0.000	0.000	1.343	0.000	0.000	0.000		50.9	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.04	2510.00	20850	0.0	13.20	11.73	1	50	Bottom	0	N/A	0.642	0.205	1.403	0.901	0.288	0.563		12.6	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	-0.04	2535.00	21100	0.0	13.20	11.83	1	50	Bottom	0	N/A	0.635	0.201	1.371	0.871	0.276	0.544		12.8	12.2
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	-0.05	2560.00	21350	0.0	13.20	11.86	1	50	Bottom	0	N/A	0.668	0.213	1.361	0.909	0.290	0.568		12.6	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.00	2510.00	20850	0.0	13.20	11.85	50	0	Bottom	0	N/A	0.660	0.211	1.365	0.901	0.288	0.563		12.6	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.02	2535.00	21100	0.0	13.20	11.85	50	25	Bottom	0	N/A	0.648	0.205	1.365	0.885	0.280	0.553		12.7	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.01	2560.00	21350	0.0	13.20	11.92	50	25	Bottom	0	N/A	0.682	0.216	1.343	0.916	0.290	0.573		12.6	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.00	2560.00	21350	0.0	13.20	11.84	100	0	Bottom	0	N/A	0.692	0.217	1.368	0.947	0.297	0.592		12.4	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.03	2560.00	21350	0.0	13.20	11.86	1	50	Right	0	N/A	0.016	0.005	1.361	0.022	0.007	0.014		28.8	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.02	2560.00	21350	0.0	13.20	11.92	50	25	Right	0	N/A	0.016	0.006	1.343	0.021	0.008	0.013		28.9	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.13	2560.00	21350	0.0	13.20	11.86	1	50	Left	0	N/A	0.024	0.009	1.361	0.033	0.012	0.021		27.0	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	0.07	2560.00	21350	0.0	13.20	11.92	50	25	Left	0	N/A	0.026	0.010	1.343	0.035	0.013	0.022		26.8	
Body	LTE Band 7	20	QPSK	1b	JWQMJ	1:1	-0.05	2510.00	20850	0.0	13.20	11.49	1	99	Back	0	ULCA 7C	0.620	0.211	1.483	0.919	0.313	0.574		12.5	
		20						2529.80	21048				1	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-36 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.08	2510.00	20850	0.0	12.80	11.47	1	50	Back	0	N/A	0.663	0.241	1.358	0.900	0.327	0.563		12.2	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.04	2535.00	21100	0.0	12.80	11.18	1	50	Back	0	N/A	0.668	0.243	1.452	0.970	0.353	0.606		11.9	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.02	2535.00	21100	0.0	12.80	11.04	1	99	Back	0	N/A	0.644	0.234	1.500	0.966	0.351	0.604		11.9	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.03	2560.00	21350	0.0	12.80	11.32	1	50	Back	0	N/A	0.634	0.232	1.406	0.891	0.326	0.557		12.3	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.04	2510.00	20850	0.0	12.80	11.53	50	0	Back	0	N/A	0.680	0.247	1.340	0.911	0.331	0.569		12.2	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.05	2535.00	21100	0.0	12.80	11.41	50	25	Back	0	N/A	0.684	0.249	1.377	0.942	0.343	0.589		12.0	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.05	2560.00	21350	0.0	12.80	11.36	50	25	Back	0	N/A	0.659	0.240	1.393	0.918	0.334	0.574		12.2	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.06	2510.00	20850	0.0	12.80	11.43	100	0	Back	0	N/A	0.698	0.255	1.371	0.957	0.350	0.598		12.0	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.03	2510.00	20850	0.0	12.80	11.47	1	50	Top	0	N/A	0.002	0.000	1.358	0.003	0.000	0.002		37.4	11.9
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.06	2510.00	20850	0.0	12.80	11.53	50	0	Top	0	N/A	0.003	0.000	1.340	0.004	0.000	0.003		35.7	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	-0.05	2510.00	20850	0.0	12.80	11.47	1	50	Bottom	0	N/A	0.299	0.098	1.358	0.406	0.133	0.254		15.7	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	-0.02	2510.00	20850	0.0	12.80	11.53	50	0	Bottom	0	N/A	0.305	0.100	1.340	0.409	0.134	0.256		15.7	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	-0.02	2510.00	20850	0.0	12.80	11.47	1	50	Right	0	N/A	0.501	0.165	1.358	0.680	0.224	0.425		13.5	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.06	2510.00	20850	0.0	12.80	11.53	50	0	Right	0	N/A	0.513	0.169	1.340	0.687	0.226	0.429		13.4	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.07	2510.00	20850	0.0	12.80	11.47	1	50	Left	0	N/A	0.000	0.000	1.358	0.000	0.000	0.000		50.5	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.08	2510.00	20850	0.0	12.80	11.53	50	0	Left	0	N/A	0.000	0.000	1.340	0.000	0.000	0.000		50.5	
Body	LTE Band 7	20	QPSK	2	27WT9	1:1	0.08	2535.00	21100	0.0	12.80	11.04	1	99	Back	0	ULCA 7C	0.619	0.225	1.5	0.929	0.338	0.581		12.1	
		20						2554.80	21298				1	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-37 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.04	2535.00	21100	0.0	12.70	11.47	1	50	Back	0	N/A	0.339	0.126	1.327	0.450	0.167	0.281		15.1	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.01	2535.00	21100	0.0	12.70	11.49	50	25	Back	0	N/A	0.350	0.130	1.321	0.462	0.172	0.289		15.0	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	0.04	2510.00	20850	0.0	12.70	11.40	1	0	Top	0	N/A	0.687	0.226	1.349	0.927	0.305	0.579		12.0	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	0.02	2510.00	20850	0.0	12.70	11.27	1	99	Top	0	N/A	0.669	0.220	1.390	0.930	0.306	0.581		12.0	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.02	2535.00	21100	0.0	12.70	11.47	1	50	Top	0	N/A	0.646	0.213	1.327	0.857	0.283	0.536		12.3	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.07	2560.00	21350	0.0	12.70	11.18	1	50	Top	0	N/A	0.636	0.207	1.419	0.902	0.294	0.564		12.1	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.03	2510.00	20850	0.0	12.70	11.41	50	25	Top	0	N/A	0.674	0.223	1.346	0.907	0.300	0.567		12.1	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	0.02	2535.00	21100	0.0	12.70	11.49	50	25	Top	0	N/A	0.658	0.217	1.321	0.869	0.287	0.543		12.3	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.01	2560.00	21350	0.0	12.70	11.45	50	25	Top	0	N/A	0.644	0.209	1.334	0.859	0.279	0.537		12.3	12.0
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	0.02	2535.00	21100	0.0	12.70	11.42	100	0	Top	0	N/A	0.670	0.219	1.343	0.900	0.294	0.563		12.1	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	0.08	2535.00	21100	0.0	12.70	11.47	1	50	Bottom	0	N/A	0.000	0.000	1.327	0.000	0.000	0.000		50.5	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	0.01	2535.00	21100	0.0	12.70	11.49	50	25	Bottom	0	N/A	0.000	0.000	1.321	0.000	0.000	0.000		50.5	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.08	2535.00	21100	0.0	12.70	11.47	1	50	Right	0	N/A	0.034	0.014	1.327	0.045	0.019	0.028		25.1	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.04	2535.00	21100	0.0	12.70	11.49	50	25	Right	0	N/A	0.035	0.014	1.321	0.046	0.018	0.029		25.0	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	0.05	2535.00	21100	0.0	12.70	11.47	1	50	Left	0	N/A	0.015	0.005	1.327	0.020	0.007	0.013		28.7	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	0.09	2535.00	21100	0.0	12.70	11.49	50	25	Left	0	N/A	0.015	0.005	1.321	0.020	0.007	0.013		28.7	
Body	LTE Band 7	20	QPSK	3b	7NLKV	1:1	-0.01	2510.00	20850	0.0	12.70	11.23	1	99	Top	0	ULCA 7C	0.665	0.220	1.403	0.933	0.309	0.583		12.0	
		20						2529.80	21048				1	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-38 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	-0.04	2510.00	20850	0.0	11.50	10.55	1	50	Back	0	N/A	0.709	0.242	1.245	0.883	0.301	0.552		11.0	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.00	2535.00	21100	0.0	11.50	10.72	1	50	Back	0	N/A	0.725	0.247	1.197	0.868	0.296	0.543		11.1	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.03	2560.00	21350	0.0	11.50	10.68	1	50	Back	0	N/A	0.783	0.268	1.208	0.946	0.324	0.591		10.7	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.09	2560.00	21350	0.0	11.50	10.58	1	0	Back	0	N/A	0.734	0.251	1.236	0.907	0.310	0.567		10.9	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.03	2510.00	20850	0.0	11.50	10.78	50	0	Back	0	N/A	0.731	0.249	1.180	0.863	0.294	0.539		11.1	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	-0.02	2535.00	21100	0.0	11.50	10.71	50	25	Back	0	N/A	0.747	0.257	1.199	0.896	0.308	0.560		11.0	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	-0.03	2560.00	21350	0.0	11.50	10.75	50	50	Back	0	N/A	0.791	0.271	1.189	0.940	0.322	0.588	A13	10.7	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.02	2510.00	20850	0.0	11.50	10.71	100	0	Back	0	N/A	0.717	0.244	1.199	0.860	0.293	0.538		11.1	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.02	2535.00	21100	0.0	11.50	10.72	1	50	Top	0	N/A	0.190	0.068	1.197	0.227	0.081	0.142		16.9	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	-0.05	2510.00	20850	0.0	11.50	10.78	50	0	Top	0	N/A	0.212	0.076	1.180	0.250	0.090	0.156		16.5	10.7
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.01	2535.00	21100	0.0	11.50	10.72	1	50	Bottom	0	N/A	0.003	0.000	1.197	0.004	0.000	0.003		34.9	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	-0.02	2510.00	20850	0.0	11.50	10.78	50	0	Bottom	0	N/A	0.004	0.000	1.180	0.005	0.000	0.003		33.7	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.03	2535.00	21100	0.0	11.50	10.72	1	50	Right	0	N/A	0.002	0.000	1.197	0.002	0.000	0.001		36.7	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.03	2510.00	20850	0.0	11.50	10.78	50	0	Right	0	N/A	0.000	0.000	1.180	0.000	0.000	0.000		49.8	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.02	2535.00	21100	0.0	11.50	10.72	1	50	Left	0	N/A	0.552	0.188	1.197	0.661	0.225	0.413		12.3	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.02	2510.00	20850	0.0	11.50	10.78	50	0	Left	0	N/A	0.528	0.181	1.180	0.623	0.214	0.389		12.5	
Body	LTE Band 7	20	QPSK	4	27WT9	1:1	0.06	2560.00	21350	0.0	11.50	10.48	1	0	Back	0	ULCA 7C	0.721	0.247	1.265	0.912	0.312	0.570		10.9	
		20						2540.20	21152				1	99												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.14 LTE Band 41 Standalone SAR

Table 10-39 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.03	2506.00	39750	0.0	14.30	12.85	1	50	Back	0	N/A	0.557	0.190	1.396	0.778	0.265	0.486		12.4	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.00	2549.50	40185	0.0	14.30	12.92	1	50	Back	0	N/A	0.513	0.174	1.374	0.705	0.239	0.441		12.8	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.01	2593.00	40620	0.0	14.30	12.88	1	50	Back	0	N/A	0.551	0.185	1.387	0.764	0.257	0.478		12.5	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.02	2636.50	41055	0.0	14.30	12.77	1	99	Back	0	N/A	0.672	0.223	1.422	0.956	0.317	0.598		11.5	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.04	2680.00	41490	0.0	14.30	12.68	1	50	Back	0	N/A	0.680	0.223	1.452	0.987	0.324	0.617		11.4	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.01	2506.00	39750	0.0	14.30	12.98	50	25	Back	0	N/A	0.561	0.191	1.355	0.760	0.259	0.475		12.5	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.10	2549.50	40185	0.0	14.30	12.99	50	25	Back	0	N/A	0.513	0.173	1.352	0.694	0.234	0.434		12.9	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.01	2593.00	40620	0.0	14.30	12.98	50	25	Back	0	N/A	0.568	0.190	1.355	0.770	0.257	0.481		12.4	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.00	2636.50	41055	0.0	14.30	12.73	50	25	Back	0	N/A	0.659	0.219	1.435	0.946	0.314	0.591		11.5	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.06	2680.00	41490	0.0	14.30	12.81	50	25	Back	0	N/A	0.694	0.228	1.409	0.978	0.321	0.611		11.4	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.01	2549.50	40185	0.0	14.30	12.91	100	0	Back	0	N/A	0.515	0.175	1.377	0.709	0.241	0.443		12.8	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.13	2549.50	40185	0.0	14.30	12.92	1	50	Top	0	N/A	0.013	0.013	1.374	0.018	0.018	0.011		28.8	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.07	2549.50	40185	0.0	14.30	12.99	50	25	Top	0	N/A	0.006	0.006	1.352	0.008	0.008	0.005		32.2	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.01	2506.00	39750	0.0	14.30	12.85	1	50	Bottom	0	N/A	0.535	0.172	1.396	0.747	0.240	0.467		12.6	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.02	2549.50	40185	0.0	14.30	12.92	1	50	Bottom	0	N/A	0.545	0.172	1.374	0.749	0.236	0.468		12.6	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.01	2593.00	40620	0.0	14.30	12.88	1	50	Bottom	0	N/A	0.618	0.194	1.387	0.857	0.269	0.536		12.0	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.03	2636.50	41055	0.0	14.30	12.77	1	99	Bottom	0	N/A	0.677	0.210	1.422	0.963	0.299	0.602		11.5	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.01	2680.00	41490	0.0	14.30	12.68	1	50	Bottom	0	N/A	0.637	0.195	1.452	0.925	0.283	0.578		11.6	11.3
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.03	2506.00	39750	0.0	14.30	12.98	50	25	Bottom	0	N/A	0.535	0.173	1.355	0.725	0.234	0.453		12.7	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.02	2549.50	40185	0.0	14.30	12.99	50	25	Bottom	0	N/A	0.539	0.171	1.352	0.729	0.231	0.456		12.7	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.01	2593.00	40620	0.0	14.30	12.98	50	25	Bottom	0	N/A	0.625	0.196	1.355	0.847	0.266	0.529		12.0	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.01	2636.50	41055	0.0	14.30	12.73	50	25	Bottom	0	N/A	0.690	0.214	1.435	0.990	0.307	0.619		11.3	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.01	2636.50	41055	0.0	14.30	12.72	50	0	Bottom	0	N/A	0.685	0.213	1.439	0.986	0.307	0.616		11.4	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:2.31	-0.03	2636.50	41055	0.0	15.90	14.89	50	25	Bottom	0	N/A	0.700	0.217	1.262	0.883	0.274	0.552		11.8	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:2.31	0.00	2636.50	41055	0.0	15.90	14.85	50	0	Bottom	0	N/A	0.695	0.217	1.274	0.885	0.276	0.553		11.8	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	-0.03	2680.00	41490	0.0	14.30	12.81	50	25	Bottom	0	N/A	0.639	0.197	1.409	0.900	0.278	0.563		11.8	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.01	2549.50	40185	0.0	14.30	12.91	100	0	Bottom	0	N/A	0.533	0.169	1.377	0.734	0.233	0.459		12.6	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.09	2549.50	40185	0.0	14.30	12.92	1	50	Right	0	N/A	0.007	0.002	1.374	0.010	0.003	0.006		31.5	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.09	2549.50	40185	0.0	14.30	12.99	50	25	Right	0	N/A	0.006	0.001	1.352	0.008	0.001	0.005		32.2	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.03	2549.50	40185	0.0	14.30	12.92	1	50	Left	0	N/A	0.024	0.009	1.374	0.033	0.012	0.021		26.1	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.03	2549.50	40185	0.0	14.30	12.99	50	25	Left	0	N/A	0.024	0.009	1.352	0.032	0.012	0.020		26.2	
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:1.58	0.06	2636.50	41055	0.0	14.30	13.30	50	0	Bottom	0	ULCA 41C	0.759	0.236	1.259	0.956	0.297	0.598		11.5	
		20						2616.70	40857				50	50												
Body	LTE Band 41	20	QPSK	1b	JWQMJ	1:2.31	-0.02	2636.50	41055	0.0	15.90	15.06	50	0	Bottom	0	ULCA 41C	0.708	0.219	1.213	0.859	0.266	0.537		11.9	
		20						2616.70	40857				50	50												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Green entry represents HPUE measurement

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Table 10-40 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.03	2506.00	39750	0.0	15.10	14.41	1	50	Back	0	N/A	0.827	0.299	1.172	0.969	0.350	0.606		12.2	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.02	2506.00	39750	0.0	15.10	14.39	1	99	Back	0	N/A	0.807	0.291	1.178	0.951	0.343	0.594		12.3	
Body	LTE Band 41	20	QPSK	2	27WT9	1:2.31	0.05	2506.00	39750	0.0	16.70	15.93	1	50	Back	0	N/A	0.792	0.288	1.194	0.946	0.344	0.591		12.3	
Body	LTE Band 41	20	QPSK	2	27WT9	1:2.31	0.04	2506.00	39750	0.0	16.70	15.91	1	99	Back	0	N/A	0.779	0.284	1.199	0.934	0.341	0.584		12.3	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.08	2549.50	40185	0.0	15.10	14.51	1	50	Back	0	N/A	0.749	0.272	1.146	0.858	0.312	0.536		12.8	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.02	2593.00	40620	0.0	15.10	14.39	1	99	Back	0	N/A	0.693	0.252	1.178	0.816	0.297	0.510		13.0	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.07	2636.50	41055	0.0	15.10	14.37	1	99	Back	0	N/A	0.632	0.231	1.183	0.748	0.273	0.468		13.4	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.07	2680.00	41490	0.0	15.10	14.26	1	99	Back	0	N/A	0.637	0.228	1.213	0.773	0.277	0.483		13.2	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.11	2506.00	39750	0.0	15.10	14.46	50	25	Back	0	N/A	0.811	0.294	1.159	0.940	0.341	0.588		12.4	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.07	2549.50	40185	0.0	15.10	14.59	50	25	Back	0	N/A	0.769	0.279	1.125	0.865	0.314	0.541		12.7	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.03	2593.00	40620	0.0	15.10	14.42	50	25	Back	0	N/A	0.709	0.258	1.169	0.829	0.302	0.518		12.9	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.02	2636.50	41055	0.0	15.10	14.40	50	25	Back	0	N/A	0.659	0.240	1.175	0.774	0.282	0.484		13.2	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.05	2680.00	41490	0.0	15.10	14.31	50	25	Back	0	N/A	0.629	0.228	1.199	0.754	0.273	0.471		13.3	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	-0.03	2549.50	40185	0.0	15.10	14.47	100	0	Back	0	N/A	0.752	0.274	1.156	0.869	0.317	0.543		12.7	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.06	2549.50	40185	0.0	15.10	14.51	1	50	Top	0	N/A	0.005	0.005	1.146	0.006	0.006	0.004		34.5	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.07	2549.50	40185	0.0	15.10	14.59	50	25	Top	0	N/A	0.013	0.013	1.125	0.015	0.015	0.009		30.4	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	-0.01	2549.50	40185	0.0	15.10	14.51	1	50	Bottom	0	N/A	0.326	0.106	1.146	0.374	0.121	0.234		16.4	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	-0.04	2549.50	40185	0.0	15.10	14.59	50	25	Bottom	0	N/A	0.329	0.107	1.125	0.370	0.120	0.231		16.4	12.2
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.03	2506.00	39750	0.0	15.10	14.41	1	50	Right	0	N/A	0.587	0.194	1.172	0.688	0.227	0.430		13.7	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.00	2549.50	40185	0.0	15.10	14.51	1	50	Right	0	N/A	0.596	0.194	1.146	0.683	0.222	0.427		13.8	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	-0.07	2593.00	40620	0.0	15.10	14.39	1	99	Right	0	N/A	0.603	0.194	1.178	0.710	0.229	0.444		13.6	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.01	2636.50	41055	0.0	15.10	14.37	1	99	Right	0	N/A	0.618	0.196	1.183	0.731	0.232	0.457		13.5	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	-0.02	2680.00	41490	0.0	15.10	14.26	1	99	Right	0	N/A	0.672	0.210	1.213	0.815	0.255	0.509		13.0	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.02	2506.00	39750	0.0	15.10	14.46	50	25	Right	0	N/A	0.593	0.196	1.159	0.687	0.227	0.429		13.7	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	-0.01	2549.50	40185	0.0	15.10	14.59	50	25	Right	0	N/A	0.601	0.195	1.125	0.676	0.219	0.423		13.8	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.04	2593.00	40620	0.0	15.10	14.42	50	25	Right	0	N/A	0.609	0.196	1.169	0.712	0.229	0.445		13.6	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.04	2636.50	41055	0.0	15.10	14.40	50	25	Right	0	N/A	0.627	0.200	1.175	0.737	0.235	0.461		13.4	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	-0.04	2680.00	41490	0.0	15.10	14.31	50	25	Right	0	N/A	0.665	0.208	1.199	0.797	0.249	0.498		13.1	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.00	2549.50	40185	0.0	15.10	14.47	100	0	Right	0	N/A	0.599	0.195	1.156	0.692	0.225	0.433		13.7	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.09	2549.50	40185	0.0	15.10	14.51	1	50	Left	0	N/A	0.011	0.008	1.146	0.013	0.009	0.008		31.1	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.04	2549.50	40185	0.0	15.10	14.59	50	25	Left	0	N/A	0.011	0.008	1.125	0.012	0.009	0.008		31.2	
Body	LTE Band 41	20	QPSK	2	27WT9	1:1.58	0.02	2506.00	39750	0.0	15.10	14.66	1	99	Back	0	ULCA 41C	0.875	0.319	1.107	0.969	0.353	0.606	A14	12.2	
		20						2525.80	39948				1	0												
Body	LTE Band 41	20	QPSK	2	27WT9	1:2.31	0.04	2506.00	39750	0.0	16.70	16.07	1	99	Back	0	ULCA 41C	0.840	0.306	1.156	0.971	0.354	0.607		12.2	
		20						2525.80	39948				1	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Green entry represents HPUE measurement

Table 10-41 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.02	2549.50	40185	0.0	14.90	14.13	1	50	Back	0	N/A	0.432	0.157	1.194	0.516	0.187	0.323		14.8	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.03	2549.50	40185	0.0	14.90	14.16	50	25	Back	0	N/A	0.432	0.157	1.186	0.512	0.186	0.320		14.8	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.02	2506.00	39750	0.0	14.90	14.06	1	50	Top	0	N/A	0.790	0.262	1.213	0.958	0.318	0.599		12.1	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	-0.03	2549.50	40185	0.0	14.90	14.13	1	50	Top	0	N/A	0.716	0.236	1.194	0.855	0.282	0.534		12.6	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.07	2593.00	40620	0.0	14.90	14.08	1	50	Top	0	N/A	0.721	0.232	1.208	0.871	0.280	0.544		12.5	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.00	2636.50	41055	0.0	14.90	13.94	1	99	Top	0	N/A	0.685	0.218	1.247	0.854	0.272	0.534		12.6	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.03	2680.00	41490	0.0	14.90	14.07	1	50	Top	0	N/A	0.671	0.211	1.211	0.813	0.256	0.508		12.8	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	-0.01	2506.00	39750	0.0	14.90	14.12	50	0	Top	0	N/A	0.816	0.270	1.197	0.977	0.323	0.611		12.0	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.00	2506.00	39750	0.0	14.90	14.04	50	50	Top	0	N/A	0.795	0.262	1.219	0.969	0.319	0.606		12.0	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:2.31	-0.01	2506.00	39750	0.0	16.50	15.81	50	0	Top	0	N/A	0.806	0.266	1.172	0.945	0.312	0.591		12.1	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:2.31	0.01	2506.00	39750	0.0	16.50	15.73	50	50	Top	0	N/A	0.787	0.258	1.194	0.940	0.308	0.588		12.1	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	-0.01	2549.50	40185	0.0	14.90	14.16	50	25	Top	0	N/A	0.744	0.243	1.186	0.882	0.288	0.551		12.4	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.03	2593.00	40620	0.0	14.90	14.15	50	25	Top	0	N/A	0.739	0.238	1.189	0.879	0.283	0.549		12.5	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.02	2636.50	41055	0.0	14.90	14.06	50	25	Top	0	N/A	0.690	0.220	1.213	0.837	0.267	0.523		12.7	12.0
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.04	2680.00	41490	0.0	14.90	14.15	50	25	Top	0	N/A	0.697	0.220	1.189	0.829	0.262	0.518		12.7	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.01	2549.50	40185	0.0	14.90	14.12	100	0	Top	0	N/A	0.742	0.242	1.197	0.888	0.290	0.555		12.4	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.02	2549.50	40185	0.0	14.90	14.13	1	50	Bottom	0	N/A	0.010	0.011	1.194	0.012	0.013	0.008		31.1	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.01	2549.50	40185	0.0	14.90	14.16	50	25	Bottom	0	N/A	0.005	0.004	1.186	0.006	0.005	0.004		34.2	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	-0.09	2549.50	40185	0.0	14.90	14.13	1	50	Right	0	N/A	0.030	0.012	1.194	0.036	0.014	0.023		26.4	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	0.08	2549.50	40185	0.0	14.90	14.16	50	25	Right	0	N/A	0.030	0.012	1.186	0.036	0.014	0.023		26.4	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	-0.13	2549.50	40185	0.0	14.90	14.13	1	50	Left	0	N/A	0.021	0.010	1.194	0.025	0.012	0.016		27.9	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	-0.15	2549.50	40185	0.0	14.90	14.16	50	25	Left	0	N/A	0.021	0.010	1.186	0.025	0.012	0.016		27.9	
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:1.58	-0.05	2506.00	39750	0.0	14.90	14.03	50	50	Top	0	ULCA 41C	0.788	0.259	1.222	0.963	0.316	0.602		12.1	
		20						2525.80	39948				50	0												
Body	LTE Band 41	20	QPSK	3b	XTVPF	1:2.31	0.02	2506.00	39750	0.0	16.50	15.88	50	50	Top	0	ULCA 41C	0.803	0.263	1.153	0.926	0.303	0.579		12.2	
		20						2525.80	39948				50	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Green entry represents HPUE measurement

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Table 10-42 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.11	2506.00	39750	0.0	13.20	12.68	1	50	Back	0	N/A	0.678	0.233	1.127	0.764	0.263	0.478		11.4	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.01	2549.50	40185	0.0	13.20	12.69	1	50	Back	0	N/A	0.733	0.252	1.125	0.825	0.284	0.516		11.0	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.02	2593.00	40620	0.0	13.20	12.62	1	99	Back	0	N/A	0.774	0.267	1.143	0.885	0.305	0.553		10.7	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.01	2636.50	41055	0.0	13.20	12.59	1	99	Back	0	N/A	0.799	0.276	1.151	0.920	0.318	0.575		10.6	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.14	2680.00	41490	0.0	13.20	12.53	1	50	Back	0	N/A	0.777	0.268	1.167	0.907	0.313	0.567		10.6	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.07	2506.00	39750	0.0	13.20	12.74	50	0	Back	0	N/A	0.698	0.239	1.112	0.776	0.266	0.485		11.3	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.07	2549.50	40185	0.0	13.20	12.75	50	25	Back	0	N/A	0.749	0.258	1.109	0.831	0.286	0.519		11.0	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.04	2593.00	40620	0.0	13.20	12.68	50	25	Back	0	N/A	0.788	0.271	1.127	0.888	0.305	0.555		10.7	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.00	2636.50	41055	0.0	13.20	12.66	50	25	Back	0	N/A	0.805	0.277	1.132	0.911	0.314	0.569		10.6	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.00	2680.00	41490	0.0	13.20	12.55	50	25	Back	0	N/A	0.795	0.272	1.161	0.923	0.316	0.577		10.5	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.00	2680.00	41490	0.0	13.20	12.52	50	0	Back	0	N/A	0.796	0.274	1.169	0.931	0.320	0.582		10.5	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:2.31	-0.01	2680.00	41490	0.0	14.80	14.22	50	25	Back	0	N/A	0.741	0.257	1.143	0.847	0.294	0.529		10.9	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:2.31	0.00	2680.00	41490	0.0	14.80	14.15	50	0	Back	0	N/A	0.739	0.257	1.161	0.858	0.298	0.536		10.8	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.05	2549.50	40185	0.0	13.20	12.68	100	0	Back	0	N/A	0.750	0.258	1.127	0.845	0.291	0.528		10.9	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.02	2549.50	40185	0.0	13.20	12.69	1	50	Top	0	N/A	0.193	0.070	1.125	0.217	0.079	0.136		16.8	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.08	2549.50	40185	0.0	13.20	12.75	50	25	Top	0	N/A	0.199	0.071	1.109	0.221	0.079	0.138		16.8	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.04	2549.50	40185	0.0	13.20	12.69	1	50	Bottom	0	N/A	0.015	0.014	1.125	0.017	0.016	0.011		27.9	10.5
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.08	2549.50	40185	0.0	13.20	12.75	50	25	Bottom	0	N/A	0.009	0.007	1.109	0.010	0.008	0.006		30.2	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.08	2549.50	40185	0.0	13.20	12.69	1	50	Right	0	N/A	0.004	0.004	1.125	0.005	0.005	0.003		33.7	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.04	2549.50	40185	0.0	13.20	12.75	50	25	Right	0	N/A	0.008	0.006	1.109	0.009	0.007	0.006		30.7	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.06	2506.00	39750	0.0	13.20	12.68	1	50	Left	0	N/A	0.490	0.170	1.127	0.552	0.192	0.345		12.8	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.01	2549.50	40185	0.0	13.20	12.69	1	50	Left	0	N/A	0.561	0.191	1.125	0.631	0.215	0.394		12.2	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.02	2593.00	40620	0.0	13.20	12.62	1	99	Left	0	N/A	0.592	0.199	1.143	0.677	0.227	0.423		11.9	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.05	2636.50	41055	0.0	13.20	12.59	1	99	Left	0	N/A	0.623	0.207	1.151	0.717	0.238	0.448		11.6	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.05	2680.00	41490	0.0	13.20	12.53	1	50	Left	0	N/A	0.636	0.209	1.167	0.742	0.244	0.464		11.5	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	-0.03	2506.00	39750	0.0	13.20	12.74	50	0	Left	0	N/A	0.482	0.166	1.112	0.536	0.185	0.335		12.9	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.00	2549.50	40185	0.0	13.20	12.75	50	25	Left	0	N/A	0.575	0.195	1.109	0.638	0.216	0.399		12.2	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.02	2593.00	40620	0.0	13.20	12.68	50	25	Left	0	N/A	0.610	0.205	1.127	0.687	0.231	0.429		11.8	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.05	2636.50	41055	0.0	13.20	12.66	50	25	Left	0	N/A	0.631	0.210	1.132	0.714	0.238	0.446		11.7	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.04	2680.00	41490	0.0	13.20	12.55	50	25	Left	0	N/A	0.648	0.213	1.161	0.752	0.247	0.470		11.4	
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:1.58	0.08	2680.00	41490	0.0	13.20	12.43	50	0	Back	0	ULCA 41C	0.756	0.262	1.194	0.903	0.313	0.564		10.6	
		20						2660.20	41292				50	50												
Body	LTE Band 41	20	QPSK	4	JWQMJ	1:2.31	-0.01	2680.00	41490	0.0	14.80	14.19	50	0	Back	0	ULCA 41C	0.757	0.260	1.151	0.871	0.299	0.544		10.7	
		20						2660.20	41292				50	50												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Green entry represents HPUE measurement

10.15 LTE Band 48 Standalone SAR

Table 10-43 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.14	3560.00	55340	0.0	12.50	11.00	1	50	Back	0	N/A	0.500	0.143	1.413	0.707	0.202	0.442		11.0	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.02	3603.30	55773	0.0	12.50	10.92	1	50	Back	0	N/A	0.584	0.170	1.439	0.840	0.245	0.525		10.3	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.03	3646.70	56207	0.0	12.50	10.84	1	50	Back	0	N/A	0.637	0.209	1.466	0.934	0.306	0.584		9.8	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.11	3690.00	56640	0.0	12.50	10.81	1	50	Back	0	N/A	0.551	0.155	1.476	0.813	0.229	0.508		10.4	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.08	3560.00	55340	0.0	12.50	11.09	50	25	Back	0	N/A	0.509	0.148	1.384	0.704	0.205	0.440		11.0	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.11	3603.30	55773	0.0	12.50	11.05	50	25	Back	0	N/A	0.570	0.165	1.396	0.796	0.230	0.498		10.5	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.06	3646.70	56207	0.0	12.50	10.94	50	25	Back	0	N/A	0.668	0.197	1.432	0.957	0.282	0.598		9.7	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.15	3646.70	56207	0.0	12.50	10.89	50	0	Back	0	N/A	0.674	0.196	1.449	0.977	0.284	0.611		9.6	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.15	3690.00	56640	0.0	12.50	10.88	50	25	Back	0	N/A	0.626	0.202	1.452	0.909	0.293	0.568		9.9	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.05	3560.00	55340	0.0	12.50	10.99	100	0	Back	0	N/A	0.546	0.160	1.416	0.773	0.227	0.483		10.6	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.06	3560.00	55340	0.0	12.50	11.00	1	50	Top	0	N/A	0.000	0.000	1.413	0.000	0.000	0.000		48.0	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.05	3560.00	55340	0.0	12.50	11.09	50	25	Top	0	N/A	0.000	0.000	1.384	0.000	0.000	0.000		48.1	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.12	3560.00	55340	0.0	12.50	11.00	1	50	Bottom	0	N/A	0.138	0.040	1.413	0.195	0.057	0.122		16.6	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.03	3560.00	55340	0.0	12.50	11.09	50	25	Bottom	0	N/A	0.140	0.040	1.384	0.194	0.055	0.121		16.6	9.6
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.02	3560.00	55340	0.0	12.50	11.00	1	50	Right	0	N/A	0.000	0.000	1.413	0.000	0.000	0.000		48.0	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.09	3560.00	55340	0.0	12.50	11.09	50	25	Right	0	N/A	0.000	0.000	1.384	0.000	0.000	0.000		48.1	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.05	3560.00	55340	0.0	12.50	11.00	1	50	Left	0	N/A	0.536	0.147	1.413	0.757	0.208	0.473		10.7	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.00	3603.30	55773	0.0	12.50	10.92	1	50	Left	0	N/A	0.552	0.150	1.439	0.794	0.216	0.496		10.5	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	-0.02	3646.70	56207	0.0	12.50	10.84	1	50	Left	0	N/A	0.525	0.138	1.466	0.770	0.202	0.481		10.6	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.04	3690.00	56640	0.0	12.50	10.81	1	50	Left	0	N/A	0.623	0.165	1.476	0.920	0.244	0.575		9.9	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.07	3560.00	55340	0.0	12.50	11.09	50	25	Left	0	N/A	0.498	0.137	1.384	0.689	0.190	0.431		11.1	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.02	3603.30	55773	0.0	12.50	11.05	50	25	Left	0	N/A	0.567	0.153	1.396	0.792	0.214	0.495		10.5	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.03	3646.70	56207	0.0	12.50	10.94	50	25	Left	0	N/A	0.576	0.154	1.432	0.825	0.221	0.516		10.3	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.01	3690.00	56640	0.0	12.50	10.88	50	25	Left	0	N/A	0.558	0.147	1.452	0.810	0.213	0.506		10.4	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.09	3560.00	55340	0.0	12.50	10.99	100	0	Left	0	N/A	0.620	0.169	1.416	0.878	0.239	0.549		10.1	
Body	LTE Band 48	20	QPSK	1a	M4TNW	1:1.58	0.09	3646.70	56207	0.0	12.50	10.79	50	0	Back	0	ULCA 48C	0.650	0.190	1.483	0.964	0.282	0.603		9.7	
		20						3626.90	56009				50	50												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-44 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.04	3560.00	55340	0.0	12.30	11.14	1	50	Back	0	N/A	0.525	0.207	1.306	0.686	0.270	0.429		10.9	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.17	3603.30	55773	0.0	12.30	11.21	1	50	Back	0	N/A	0.484	0.177	1.285	0.622	0.227	0.389		11.4	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	-0.08	3646.70	56207	0.0	12.30	11.16	1	50	Back	0	N/A	0.561	0.226	1.300	0.729	0.294	0.456		10.7	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.05	3690.00	56640	0.0	12.30	11.00	1	50	Back	0	N/A	0.503	0.186	1.349	0.679	0.251	0.424		11.0	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.02	3560.00	55340	0.0	12.30	11.22	50	50	Back	0	N/A	0.534	0.209	1.282	0.685	0.268	0.428		10.9	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.02	3603.30	55773	0.0	12.30	11.28	50	25	Back	0	N/A	0.552	0.219	1.265	0.698	0.277	0.436		10.9	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	-0.04	3646.70	56207	0.0	12.30	11.26	50	25	Back	0	N/A	0.574	0.226	1.271	0.730	0.287	0.456		10.7	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.03	3690.00	56640	0.0	12.30	11.10	50	25	Back	0	N/A	0.572	0.228	1.318	0.754	0.301	0.471		10.5	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.04	3603.30	55773	0.0	12.30	11.20	100	0	Back	0	N/A	0.546	0.216	1.288	0.703	0.278	0.439		10.8	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.02	3603.30	55773	0.0	12.30	11.21	1	50	Top	0	N/A	0.007	0.000	1.285	0.009	0.000	0.006		29.8	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.06	3603.30	55773	0.0	12.30	11.28	50	25	Top	0	N/A	0.007	0.002	1.265	0.009	0.003	0.006		29.8	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.06	3603.30	55773	0.0	12.30	11.21	1	50	Bottom	0	N/A	0.165	0.081	1.285	0.212	0.104	0.133		16.0	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.04	3603.30	55773	0.0	12.30	11.28	50	25	Bottom	0	N/A	0.170	0.048	1.265	0.215	0.061	0.134		16.0	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.01	3560.00	55340	0.0	12.30	11.14	1	50	Right	0	N/A	0.691	0.249	1.306	0.902	0.325	0.564		9.7	9.7
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.02	3560.00	55340	0.0	12.30	11.07	1	99	Right	0	N/A	0.622	0.182	1.327	0.825	0.242	0.516		10.1	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	-0.06	3603.30	55773	0.0	12.30	11.21	1	50	Right	0	N/A	0.652	0.233	1.285	0.838	0.299	0.524		10.1	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	-0.16	3646.70	56207	0.0	12.30	11.16	1	50	Right	0	N/A	0.640	0.230	1.300	0.832	0.299	0.520		10.1	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.04	3690.00	56640	0.0	12.30	11.00	1	50	Right	0	N/A	0.564	0.160	1.349	0.761	0.216	0.476		10.5	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.01	3560.00	55340	0.0	12.30	11.22	50	50	Right	0	N/A	0.701	0.250	1.282	0.899	0.321	0.562		9.8	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.03	3603.30	55773	0.0	12.30	11.28	50	25	Right	0	N/A	0.657	0.235	1.265	0.831	0.297	0.519		10.1	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.03	3646.70	56207	0.0	12.30	11.26	50	25	Right	0	N/A	0.604	0.173	1.271	0.768	0.220	0.480		10.4	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	-0.13	3690.00	56640	0.0	12.30	11.10	50	25	Right	0	N/A	0.637	0.228	1.318	0.840	0.301	0.525		10.1	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.10	3603.30	55773	0.0	12.30	11.20	100	0	Right	0	N/A	0.610	0.177	1.288	0.786	0.228	0.491		10.3	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.07	3603.30	55773	0.0	12.30	11.21	1	50	Left	0	N/A	0.000	0.000	1.285	0.000	0.000	0.000		48.2	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.01	3603.30	55773	0.0	12.30	11.28	50	25	Left	0	N/A	0.000	0.000	1.265	0.000	0.000	0.000		48.3	
Body	LTE Band 48	20	QPSK	2	XTVPF	1:1.58	0.03	3560.00	55340	0.0	12.30	11.14	1	99	Right	0	ULCA 48C	0.630	0.184	1.306	0.823	0.240	0.514		10.1	
		20						3579.80	55538				1	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-45 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.03	3560.00	55340	0.0	12.00	11.08	1	50	Back	0	N/A	0.283	0.105	1.236	0.350	0.130	0.219		13.6	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.11	3560.00	55340	0.0	12.00	11.18	50	25	Back	0	N/A	0.280	0.102	1.208	0.338	0.123	0.211		13.7	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.01	3560.00	55340	0.0	12.00	11.08	1	50	Top	0	N/A	0.172	0.054	1.236	0.213	0.067	0.133		15.7	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.07	3560.00	55340	0.0	12.00	11.18	50	25	Top	0	N/A	0.174	0.055	1.208	0.210	0.066	0.131		15.8	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.05	3560.00	55340	0.0	12.00	11.08	1	50	Bottom	0	N/A	0.004	0.000	1.236	0.005	0.000	0.003		32.1	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.03	3560.00	55340	0.0	12.00	11.18	50	25	Bottom	0	N/A	0.006	0.000	1.208	0.007	0.000	0.004		30.4	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.04	3560.00	55340	0.0	12.00	11.08	1	50	Right	0	N/A	0.658	0.186	1.236	0.813	0.230	0.508		9.9	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.03	3603.30	55773	0.0	12.00	11.07	1	50	Right	0	N/A	0.627	0.175	1.239	0.777	0.217	0.486		10.1	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.07	3646.70	56207	0.0	12.00	10.98	1	50	Right	0	N/A	0.597	0.169	1.265	0.755	0.214	0.472		10.2	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.04	3690.00	56640	0.0	12.00	10.87	1	50	Right	0	N/A	0.628	0.178	1.297	0.815	0.231	0.509		9.9	9.3
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.08	3560.00	55340	0.0	12.00	11.18	50	25	Right	0	N/A	0.725	0.211	1.208	0.876	0.255	0.548		9.6	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.04	3603.30	55773	0.0	12.00	11.15	50	25	Right	0	N/A	0.673	0.218	1.216	0.818	0.265	0.511		9.9	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.06	3646.70	56207	0.0	12.00	11.00	50	50	Right	0	N/A	0.735	0.209	1.259	0.925	0.263	0.578	A15	9.3	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.05	3690.00	56640	0.0	12.00	10.88	50	25	Right	0	N/A	0.626	0.179	1.294	0.810	0.232	0.506		9.9	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.04	3560.00	55340	0.0	12.00	11.07	100	0	Right	0	N/A	0.666	0.188	1.239	0.825	0.233	0.516		9.8	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.08	3560.00	55340	0.0	12.00	11.08	1	50	Left	0	N/A	0.000	0.000	1.236	0.000	0.000	0.000		48.1	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.03	3560.00	55340	0.0	12.00	11.18	50	25	Left	0	N/A	0.000	0.000	1.208	0.000	0.000	0.000		48.2	
Body	LTE Band 48	20	QPSK	3a	HYGFG	1:1.58	0.09	3646.70	56207	0.0	12.00	10.92	50	50	Right	0	ULCA 48C	0.689	0.191	1.282	0.883	0.245	0.552		9.5	
		20						3666.50	56405				50	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-46 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	-0.10	3560.00	55340	0.0	13.30	12.03	1	50	Back	0	N/A	0.601	0.196	1.340	0.805	0.263	0.503		11.2	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.11	3603.30	55773	0.0	13.30	12.25	1	50	Back	0	N/A	0.534	0.175	1.274	0.680	0.223	0.425		12.0	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	-0.01	3646.70	56207	0.0	13.30	12.21	1	50	Back	0	N/A	0.677	0.223	1.285	0.870	0.287	0.544		10.9	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.03	3690.00	56640	0.0	13.30	12.08	1	50	Back	0	N/A	0.657	0.219	1.324	0.870	0.290	0.544		10.9	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.01	3560.00	55340	0.0	13.30	12.15	50	25	Back	0	N/A	0.555	0.182	1.303	0.723	0.237	0.452		11.7	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	-0.03	3603.30	55773	0.0	13.30	12.34	50	25	Back	0	N/A	0.625	0.207	1.247	0.779	0.258	0.487		11.4	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.04	3646.70	56207	0.0	13.30	12.14	50	50	Back	0	N/A	0.668	0.221	1.306	0.872	0.289	0.545		10.9	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	-0.01	3690.00	56640	0.0	13.30	12.25	50	50	Back	0	N/A	0.674	0.224	1.274	0.859	0.285	0.537		11.0	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.01	3603.30	55773	0.0	13.30	12.24	100	0	Back	0	N/A	0.633	0.210	1.276	0.808	0.268	0.505		11.2	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.16	3603.30	55773	0.0	13.30	12.25	1	50	Top	0	N/A	0.175	0.048	1.274	0.223	0.061	0.139		16.8	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.19	3603.30	55773	0.0	13.30	12.34	50	25	Top	0	N/A	0.179	0.049	1.247	0.223	0.061	0.139		16.8	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.09	3603.30	55773	0.0	13.30	12.25	1	50	Bottom	0	N/A	0.004	0.001	1.274	0.005	0.001	0.003		33.2	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.09	3603.30	55773	0.0	13.30	12.34	50	25	Bottom	0	N/A	0.003	0.000	1.247	0.004	0.000	0.003		34.6	10.9
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.08	3603.30	55773	0.0	13.30	12.25	1	50	Right	0	N/A	0.001	0.000	1.274	0.001	0.000	0.001		39.2	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.09	3603.30	55773	0.0	13.30	12.34	50	25	Right	0	N/A	0.000	0.000	1.247	0.000	0.000	0.000		49.3	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.04	3560.00	55340	0.0	13.30	12.03	1	50	Left	0	N/A	0.483	0.164	1.340	0.647	0.220	0.404		12.2	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.09	3603.30	55773	0.0	13.30	12.25	1	50	Left	0	N/A	0.439	0.125	1.274	0.559	0.159	0.349		12.8	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	-0.13	3646.70	56207	0.0	13.30	12.21	1	50	Left	0	N/A	0.565	0.156	1.285	0.726	0.200	0.454		11.7	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	-0.05	3690.00	56640	0.0	13.30	12.08	1	50	Left	0	N/A	0.590	0.162	1.324	0.781	0.214	0.488		11.4	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.06	3560.00	55340	0.0	13.30	12.15	50	25	Left	0	N/A	0.495	0.167	1.303	0.645	0.218	0.403		12.2	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.09	3603.30	55773	0.0	13.30	12.34	50	25	Left	0	N/A	0.448	0.128	1.247	0.559	0.160	0.349		12.8	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.04	3646.70	56207	0.0	13.30	12.14	50	50	Left	0	N/A	0.574	0.159	1.306	0.750	0.208	0.469		11.5	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.09	3690.00	56640	0.0	13.30	12.25	50	50	Left	0	N/A	0.535	0.150	1.274	0.682	0.191	0.426		12.0	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.05	3603.30	55773	0.0	13.30	12.24	100	0	Left	0	N/A	0.449	0.128	1.276	0.573	0.163	0.358		12.7	
Body	LTE Band 48	20	QPSK	4	HYGFG	1:1.58	0.03	3646.70	56207	0.0	13.30	12.07	50	50	Back	0	ULCA 48C	0.625	0.206	1.327	0.829	0.273	0.518		11.1	
		20						3666.50	56405				50	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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10.16 NR Band n71 Standalone SAR

Table 10-47 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	-0.10	680.50	136100	DFT-s-OFDM	0.0	21.30	20.64	1	104	Back	0	0.635	0.302	1.164	0.739	0.352	0.462		21.8	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	0.03	680.50	136100	DFT-s-OFDM	0.0	21.30	20.57	50	56	Back	0	0.716	0.319	1.183	0.847	0.377	0.529		21.2	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	21.30	20.56	100	0	Back	0	0.755	0.346	1.186	0.895	0.410	0.559		21.0	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	0.06	680.50	136100	DFT-s-OFDM	0.0	21.30	20.64	1	104	Top	0	0.031	0.011	1.164	0.036	0.013	0.023		34.9	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	0.06	680.50	136100	DFT-s-OFDM	0.0	21.30	20.57	50	56	Top	0	0.030	0.012	1.183	0.035	0.014	0.022		35.0	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	-0.04	680.50	136100	DFT-s-OFDM	0.0	21.30	20.64	1	104	Bottom	0	0.712	0.284	1.164	0.829	0.331	0.518		21.3	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	21.30	20.57	50	56	Bottom	0	0.783	0.304	1.183	0.926	0.360	0.579		20.8	20.8
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	-0.12	680.50	136100	DFT-s-OFDM	0.0	21.30	20.56	100	0	Bottom	0	0.687	0.277	1.186	0.815	0.329	0.509		21.4	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	-0.03	680.50	136100	CP-OFDM	0.0	21.30	20.30	1	1	Bottom	0	0.696	0.278	1.259	0.876	0.350	0.548		21.1	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	-0.19	680.50	136100	DFT-s-OFDM	0.0	21.30	20.64	1	104	Right	0	0.491	0.202	1.164	0.572	0.235	0.358		22.9	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	21.30	20.57	50	56	Right	0	0.573	0.219	1.183	0.678	0.259	0.424		22.2	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	-0.16	680.50	136100	DFT-s-OFDM	0.0	21.30	20.64	1	104	Left	0	0.049	0.021	1.164	0.057	0.024	0.036		32.9	
Body	NR Band n71	20	QPSK	2	HYGFG	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	21.30	20.57	50	56	Left	0	0.050	0.021	1.183	0.059	0.025	0.037		32.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-48 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	21.00	20.28	1	53	Back	0	0.801	0.355	1.180	0.945	0.419	0.591	A16	20.5	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	21.00	20.31	50	28	Back	0	0.788	0.346	1.172	0.924	0.406	0.578		20.6	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	21.00	20.22	100	0	Back	0	0.763	0.339	1.197	0.913	0.406	0.573		20.7	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	-0.01	680.50	136100	CP-OFDM	0.0	21.00	20.34	1	1	Back	0	0.704	0.321	1.164	0.819	0.374	0.512		21.2	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	0.06	680.50	136100	DFT-s-OFDM	0.0	21.00	20.28	1	53	Top	0	0.702	0.271	1.180	0.828	0.320	0.518		21.1	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	21.00	20.31	50	28	Top	0	0.727	0.282	1.172	0.852	0.331	0.533		21.0	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	21.00	20.22	100	0	Top	0	0.689	0.272	1.197	0.825	0.326	0.516		21.1	20.5
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	0.13	680.50	136100	DFT-s-OFDM	0.0	21.00	20.28	1	53	Bottom	0	0.024	0.010	1.180	0.028	0.012	0.018		35.8	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	0.09	680.50	136100	DFT-s-OFDM	0.0	21.00	20.31	50	28	Bottom	0	0.024	0.009	1.172	0.028	0.011	0.018		35.8	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	-0.01	680.50	136100	DFT-s-OFDM	0.0	21.00	20.28	1	53	Right	0	0.041	0.018	1.180	0.048	0.021	0.030		33.4	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	0.10	680.50	136100	DFT-s-OFDM	0.0	21.00	20.31	50	28	Right	0	0.043	0.019	1.172	0.050	0.022	0.031		33.3	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	-0.02	680.50	136100	DFT-s-OFDM	0.0	21.00	20.28	1	53	Left	0	0.612	0.223	1.180	0.722	0.263	0.451		21.7	
Body	NR Band n71	20	QPSK	4	JWQMJ	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	21.00	20.31	50	28	Left	0	0.585	0.219	1.172	0.686	0.257	0.429		21.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.17 NR Band n12 Standalone SAR

Table 10-49 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	-0.15	707.50	141500	DFT-s-OFDM	0.0	19.90	19.36	1	1	Back	0	0.785	0.359	1.132	0.889	0.406	0.556		19.4	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	-0.05	707.50	141500	DFT-s-OFDM	0.0	19.90	19.35	36	0	Back	0	0.764	0.349	1.135	0.867	0.396	0.542		19.5	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	-0.09	707.50	141500	DFT-s-OFDM	0.0	19.90	19.29	75	0	Back	0	0.727	0.325	1.151	0.837	0.374	0.523		19.7	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	0.03	707.50	141500	CP-OFDM	0.0	19.90	19.42	1	1	Back	0	0.876	0.394	1.117	0.978	0.440	0.611	A17	19.0	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	19.90	19.36	1	1	Top	0	0.013	0.006	1.132	0.015	0.007	0.009		37.2	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	19.90	19.35	36	0	Top	0	0.015	0.006	1.135	0.017	0.007	0.011		36.6	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	19.90	19.36	1	1	Bottom	0	0.588	0.237	1.132	0.666	0.268	0.416		20.6	19.0
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	19.90	19.35	36	0	Bottom	0	0.550	0.224	1.135	0.624	0.254	0.390		20.9	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	-0.09	707.50	141500	DFT-s-OFDM	0.0	19.90	19.36	1	1	Right	0	0.521	0.190	1.132	0.590	0.215	0.369		21.2	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	-0.06	707.50	141500	DFT-s-OFDM	0.0	19.90	19.35	36	0	Right	0	0.502	0.192	1.135	0.570	0.218	0.356		21.3	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	-0.14	707.50	141500	DFT-s-OFDM	0.0	19.90	19.36	1	1	Left	0	0.023	0.011	1.132	0.026	0.012	0.016		34.7	
Body	NR Band n12	15	QPSK	2	7NLKV	1:1	0.02	707.50	141500	DFT-s-OFDM	0.0	19.90	19.35	36	0	Left	0	0.023	0.011	1.135	0.026	0.012	0.016		34.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-50 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	19.50	18.79	1	1	Back	0	0.840	0.360	1.178	0.990	0.424	0.619		18.8	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	19.50	18.70	36	0	Back	0	0.816	0.355	1.202	0.981	0.427	0.613		18.9	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	19.50	18.60	75	0	Back	0	0.775	0.329	1.230	0.953	0.405	0.596		19.0	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	0.03	707.50	141500	CP-OFDM	0.0	19.50	18.78	1	1	Back	0	0.779	0.330	1.180	0.919	0.389	0.574		19.2	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	19.50	18.79	1	1	Top	0	0.531	0.205	1.178	0.626	0.241	0.391		20.8	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	19.50	18.70	36	0	Top	0	0.517	0.198	1.202	0.621	0.238	0.388		20.9	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	-0.06	707.50	141500	DFT-s-OFDM	0.0	19.50	18.79	1	1	Bottom	0	0.010	0.004	1.178	0.012	0.005	0.008		38.1	18.8
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	0.06	707.50	141500	DFT-s-OFDM	0.0	19.50	18.70	36	0	Bottom	0	0.012	0.005	1.202	0.014	0.006	0.009		37.2	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	0.03	707.50	141500	DFT-s-OFDM	0.0	19.50	18.79	1	1	Right	0	0.015	0.008	1.178	0.018	0.009	0.011		36.3	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	19.50	18.70	36	0	Right	0	0.014	0.007	1.202	0.017	0.008	0.011		36.5	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	19.50	18.79	1	1	Left	0	0.392	0.143	1.178	0.462	0.168	0.289		22.2	
Body	NR Band n12	15	QPSK	4	7NLKV	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	19.50	18.70	36	0	Left	0	0.364	0.138	1.202	0.438	0.166	0.274		22.4	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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10.18 NR Band n14 Standalone SAR

Table 10-51 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	20.40	19.44	1	50	Back	0	0.569	0.252	1.247	0.710	0.314	0.444		20.9	19.8
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.09	793.00	158600	DFT-s-OFDM	0.0	20.40	19.39	25	0	Back	0	0.694	0.308	1.262	0.876	0.389	0.548		20.0	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	20.40	19.28	50	0	Back	0	0.586	0.275	1.294	0.758	0.356	0.474		20.6	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	-0.21	793.00	158600	DFT-s-OFDM	0.0	20.40	19.44	1	50	Top	0	0.018	0.008	1.247	0.022	0.010	0.014		35.9	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	-0.08	793.00	158600	DFT-s-OFDM	0.0	20.40	19.39	25	0	Top	0	0.017	0.006	1.262	0.021	0.008	0.013		36.1	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.04	793.00	158600	DFT-s-OFDM	0.0	20.40	19.44	1	50	Bottom	0	0.641	0.245	1.247	0.799	0.306	0.499		20.4	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	20.40	19.39	25	0	Bottom	0	0.666	0.261	1.262	0.840	0.329	0.525		20.1	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	20.40	19.28	50	0	Bottom	0	0.607	0.249	1.294	0.785	0.322	0.491		20.4	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	20.40	19.44	1	50	Right	0	0.640	0.242	1.247	0.798	0.302	0.499		20.4	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	20.40	19.39	25	0	Right	0	0.683	0.254	1.262	0.862	0.321	0.539		20.0	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	20.40	19.28	50	0	Right	0	0.698	0.259	1.294	0.903	0.335	0.564		19.8	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	0.07	793.00	158600	CP-OFDM	0.0	20.40	19.41	1	1	Right	0	0.709	0.263	1.256	0.891	0.330	0.557		19.9	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	-0.13	793.00	158600	DFT-s-OFDM	0.0	20.40	19.44	1	50	Left	0	0.034	0.016	1.247	0.042	0.020	0.026		33.1	
Body	NR Band n14	10	QPSK	2	7NLKV	1:1	-0.04	793.00	158600	DFT-s-OFDM	0.0	20.40	19.39	25	0	Left	0	0.030	0.014	1.262	0.038	0.018	0.024		33.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-52 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	-0.06	793.00	158600	DFT-s-OFDM	0.0	21.30	20.77	1	1	Back	0	0.733	0.342	1.130	0.828	0.386	0.518	A18	21.4	21.4
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	-0.08	793.00	158600	DFT-s-OFDM	0.0	21.30	20.79	25	0	Back	0	0.702	0.329	1.125	0.790	0.370	0.494		21.6	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	21.30	20.69	50	0	Back	0	0.669	0.317	1.151	0.770	0.365	0.481		21.7	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	0.01	793.00	158600	CP-OFDM	0.0	21.30	20.74	1	1	Back	0	0.709	0.333	1.138	0.807	0.379	0.504		21.5	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	21.30	20.77	1	1	Top	0	0.654	0.266	1.130	0.739	0.301	0.462		21.9	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	-0.07	793.00	158600	DFT-s-OFDM	0.0	21.30	20.79	25	0	Top	0	0.651	0.264	1.125	0.732	0.297	0.458		21.9	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	0.09	793.00	158600	DFT-s-OFDM	0.0	21.30	20.77	1	1	Bottom	0	0.032	0.014	1.130	0.036	0.016	0.023		35.0	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	21.30	20.79	25	0	Bottom	0	0.028	0.013	1.125	0.032	0.015	0.020		35.6	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	0.08	793.00	158600	DFT-s-OFDM	0.0	21.30	20.77	1	1	Right	0	0.040	0.019	1.130	0.045	0.021	0.028		34.0	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	21.30	20.79	25	0	Right	0	0.042	0.019	1.125	0.047	0.021	0.029		33.9	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	-0.03	793.00	158600	DFT-s-OFDM	0.0	21.30	20.77	1	1	Left	0	0.565	0.243	1.130	0.638	0.275	0.399		22.5	
Body	NR Band n14	10	QPSK	4	L4HWV	1:1	0.04	793.00	158600	DFT-s-OFDM	0.0	21.30	20.79	25	0	Left	0	0.543	0.233	1.125	0.611	0.262	0.382		22.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.19 NR Band n26 Standalone SAR

Table 10-53 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	19.70	19.04	1	1	Back	0	0.738	0.347	1.164	0.859	0.404	0.537		19.4	19.1
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	19.70	19.06	50	28	Back	0	0.692	0.325	1.159	0.802	0.377	0.501		19.7	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	19.70	19.03	100	0	Back	0	0.752	0.358	1.167	0.878	0.418	0.549		19.4	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	19.70	19.04	1	1	Top	0	0.031	0.013	1.164	0.036	0.015	0.023		33.2	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.04	831.50	166300	DFT-s-OFDM	0.0	19.70	19.06	50	28	Top	0	0.032	0.013	1.159	0.037	0.015	0.023		33.1	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	19.70	19.04	1	1	Bottom	0	0.707	0.284	1.164	0.823	0.331	0.514		19.6	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	19.70	19.06	50	28	Bottom	0	0.717	0.284	1.159	0.831	0.329	0.519		19.6	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	19.70	19.03	100	0	Bottom	0	0.719	0.284	1.167	0.839	0.331	0.524		19.6	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	-0.03	831.50	166300	DFT-s-OFDM	0.0	19.70	19.04	1	1	Right	0	0.745	0.286	1.164	0.867	0.333	0.542		19.4	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	19.70	19.06	50	28	Right	0	0.750	0.293	1.159	0.869	0.340	0.543		19.4	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	19.70	19.03	100	0	Right	0	0.798	0.305	1.167	0.931	0.356	0.582	A19	19.1	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	-0.01	831.50	166300	CP-OFDM	0.0	19.70	18.98	1	1	Right	0	0.782	0.297	1.180	0.923	0.350	0.577		19.1	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.07	831.50	166300	DFT-s-OFDM	0.0	19.70	19.04	1	1	Left	0	0.034	0.017	1.164	0.040	0.020	0.025		32.8	
Body	NR Band n26	20	QPSK	2	27WT9	1:1	0.18	831.50	166300	DFT-s-OFDM	0.0	19.70	19.06	50	28	Left	0	0.035	0.017	1.159	0.041	0.020	0.026		32.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-54 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	20.00	19.18	1	53	Back	0	0.718	0.329	1.208	0.867	0.397	0.542		19.7	19.5
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.03	831.50	166300	DFT-s-OFDM	0.0	20.00	19.12	50	0	Back	0	0.739	0.341	1.225	0.905	0.418	0.566		19.5	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	20.00	19.08	100	0	Back	0	0.725	0.335	1.236	0.896	0.414	0.560		19.6	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	20.00	19.18	1	53	Top	0	0.683	0.272	1.208	0.825	0.329	0.516		19.9	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	20.00	19.12	50	0	Top	0	0.667	0.273	1.225	0.817	0.334	0.511		20.0	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	20.00	19.08	100	0	Top	0	0.643	0.262	1.236	0.795	0.324	0.497		20.1	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	20.00	19.18	1	53	Bottom	0	0.024	0.012	1.208	0.029	0.014	0.018		34.5	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	20.00	19.12	50	0	Bottom	0	0.028	0.013	1.225	0.034	0.016	0.021		33.7	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	20.00	19.18	1	53	Right	0	0.035	0.017	1.208	0.042	0.021	0.026		32.8	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	20.00	19.12	50	0	Right	0	0.034	0.017	1.225	0.042	0.021	0.026		32.9	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	20.00	19.18	1	53	Left	0	0.750	0.288	1.208	0.906	0.348	0.566		19.5	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.03	831.50	166300	DFT-s-OFDM	0.0	20.00	19.12	50	0	Left	0	0.740	0.288	1.225	0.907	0.353	0.567		19.5	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	-0.03	831.50	166300	DFT-s-OFDM	0.0	20.00	19.08	100	0	Left	0	0.722	0.282	1.236	0.892	0.349	0.558		19.6	
Body	NR Band n26	20	QPSK	4	L4HWV	1:1	0.02	831.50	166300	CP-OFDM	0.0	20.00	19.17	1	1	Left	0	0.720	0.275	1.211	0.872	0.333	0.545		19.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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10.20 NR Band n5 Standalone SAR

Table 10-55 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	19.90	19.07	1	1	Back	0	0.772	0.366	1.211	0.935	0.443	0.584		19.2	18.9
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	19.90	19.03	50	0	Back	0	0.738	0.350	1.222	0.902	0.428	0.564		19.3	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	19.90	18.97	100	0	Back	0	0.711	0.336	1.239	0.881	0.416	0.551		19.4	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	-0.18	836.50	167300	DFT-s-OFDM	0.0	19.90	19.07	1	1	Top	0	0.036	0.016	1.211	0.044	0.019	0.028		32.5	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	0.09	836.50	167300	DFT-s-OFDM	0.0	19.90	19.03	50	0	Top	0	0.032	0.014	1.222	0.039	0.017	0.024		33.0	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	-0.01	836.50	167300	DFT-s-OFDM	0.0	19.90	19.07	1	1	Bottom	0	0.709	0.292	1.211	0.859	0.354	0.537		19.5	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	-0.04	836.50	167300	DFT-s-OFDM	0.0	19.90	19.03	50	0	Bottom	0	0.681	0.278	1.222	0.832	0.340	0.520		19.7	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	19.90	18.97	100	0	Bottom	0	0.683	0.276	1.239	0.846	0.342	0.529		19.6	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	19.90	19.07	1	1	Right	0	0.816	0.314	1.211	0.988	0.380	0.618		18.9	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	19.90	19.03	50	0	Right	0	0.813	0.310	1.222	0.993	0.379	0.621		18.9	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	19.90	18.97	100	0	Right	0	0.800	0.308	1.239	0.991	0.382	0.619		18.9	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	0.08	836.50	167300	CP-OFDM	0.0	19.90	19.04	1	1	Right	0	0.783	0.302	1.219	0.954	0.368	0.596		19.1	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	0.07	836.50	167300	DFT-s-OFDM	0.0	19.90	19.07	1	1	Left	0	0.043	0.021	1.211	0.052	0.025	0.033		31.7	
Body	NR Band n5	20	QPSK	2	M4TNW	1:1	0.13	836.50	167300	DFT-s-OFDM	0.0	19.90	19.03	50	0	Left	0	0.043	0.021	1.222	0.053	0.026	0.033		31.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-56 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.01	836.50	167300	DFT-s-OFDM	0.0	20.00	19.32	1	1	Back	0	0.822	0.374	1.169	0.961	0.437	0.601	A20	19.2	19.2
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	20.00	19.21	50	0	Back	0	0.714	0.323	1.199	0.856	0.387	0.535		19.7	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	20.00	19.09	100	0	Back	0	0.685	0.309	1.233	0.845	0.381	0.528		19.7	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.02	836.50	167300	CP-OFDM	0.0	20.00	19.31	1	1	Back	0	0.773	0.352	1.172	0.906	0.413	0.566		19.4	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	-0.08	836.50	167300	DFT-s-OFDM	0.0	20.00	19.32	1	1	Top	0	0.747	0.301	1.169	0.873	0.352	0.546		19.6	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	20.00	19.21	50	0	Top	0	0.705	0.283	1.199	0.845	0.339	0.528		19.7	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	-0.01	836.50	167300	DFT-s-OFDM	0.0	20.00	19.09	100	0	Top	0	0.682	0.278	1.233	0.841	0.343	0.526		19.7	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	20.00	19.32	1	1	Bottom	0	0.033	0.014	1.169	0.039	0.016	0.024		33.1	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.06	836.50	167300	DFT-s-OFDM	0.0	20.00	19.21	50	0	Bottom	0	0.024	0.012	1.199	0.029	0.014	0.018		34.4	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	20.00	19.32	1	1	Right	0	0.034	0.017	1.169	0.040	0.020	0.025		33.0	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.08	836.50	167300	DFT-s-OFDM	0.0	20.00	19.21	50	0	Right	0	0.034	0.017	1.199	0.041	0.020	0.026		32.9	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.08	836.50	167300	DFT-s-OFDM	0.0	20.00	19.32	1	1	Left	0	0.782	0.307	1.169	0.914	0.359	0.571		19.4	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	-0.10	836.50	167300	DFT-s-OFDM	0.0	20.00	19.21	50	0	Left	0	0.722	0.281	1.199	0.866	0.337	0.541		19.6	
Body	NR Band n5	20	QPSK	4	L4HWV	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	20.00	19.09	100	0	Left	0	0.728	0.291	1.233	0.898	0.359	0.561		19.4	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.21 NR Band n70 Standalone SAR

Table 10-57 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	-0.01	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.04	1	1	Back	0	0.894	0.340	1.112	0.994	0.378	0.621		11.5	11.5
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.03	36	0	Back	0	0.887	0.341	1.114	0.988	0.380	0.618		11.5	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.01	75	0	Back	0	0.887	0.339	1.119	0.993	0.379	0.621		11.5	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	0.03	1702.50	340500	CP-OFDM	0.0	12.50	12.10	1	1	Back	0	0.905	0.344	1.096	0.992	0.377	0.620	A21	11.5	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.04	1	1	Top	0	0.000	0.000	1.112	0.000	0.000	0.000		51.0	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.03	36	0	Top	0	0.000	0.000	1.114	0.000	0.000	0.000		51.0	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	-0.04	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.04	1	1	Bottom	0	0.634	0.225	1.112	0.705	0.250	0.441		13.0	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	-0.01	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.03	36	0	Bottom	0	0.607	0.218	1.114	0.676	0.243	0.423		13.2	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.04	1	1	Right	0	0.006	0.002	1.112	0.007	0.002	0.004		33.2	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	0.08	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.03	36	0	Right	0	0.008	0.000	1.114	0.009	0.000	0.006		32.0	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	-0.06	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.04	1	1	Left	0	0.036	0.015	1.112	0.040	0.017	0.025		25.5	
Body	NR Band n70	15	QPSK	1b	YRWVW	1:1	-0.06	1702.50	340500	DFT-s-OFDM	0.0	12.50	12.03	36	0	Left	0	0.037	0.016	1.114	0.041	0.018	0.026		25.3	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-58 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.05	1	40	Back	0	0.895	0.372	1.109	0.993	0.413	0.621		14.5	14.5
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.01	36	0	Back	0	0.880	0.367	1.119	0.985	0.411	0.616		14.5	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	-0.01	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.00	75	0	Back	0	0.873	0.367	1.122	0.980	0.412	0.613		14.6	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	0.04	1702.50	340500	CP-OFDM	0.0	15.50	14.98	1	1	Back	0	0.879	0.367	1.127	0.991	0.414	0.619		14.5	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.05	1	40	Top	0	0.000	0.000	1.109	0.000	0.000	0.000		54.0	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	0.06	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.01	36	0	Top	0	0.000	0.000	1.119	0.000	0.000	0.000		54.0	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.05	1	40	Bottom	0	0.368	0.145	1.109	0.408	0.161	0.255		18.4	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	-0.06	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.01	36	0	Bottom	0	0.366	0.145	1.119	0.410	0.162	0.256		18.4	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.05	1	40	Right	0	0.817	0.262	1.109	0.906	0.291	0.566		14.9	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.01	36	0	Right	0	0.776	0.243	1.119	0.868	0.272	0.543		15.1	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	-0.12	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.00	75	0	Right	0	0.787	0.253	1.122	0.883	0.284	0.552		15.0	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.05	1	40	Left	0	0.002	0.000	1.109	0.002	0.000	0.001		41.0	
Body	NR Band n70	15	QPSK	2	2ND9W	1:1	0.08	1702.50	340500	DFT-s-OFDM	0.0	15.50	15.01	36	0	Left	0	0.000	0.000	1.119	0.000	0.000	0.000		54.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-59 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.88	1	1	Back	0	0.341	0.143	1.265	0.431	0.181	0.269		15.5	12.1
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.84	36	0	Back	0	0.338	0.142	1.276	0.431	0.181	0.269		15.5	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.88	1	1	Top	0	0.750	0.273	1.265	0.949	0.345	0.593		12.1	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.84	36	0	Top	0	0.679	0.250	1.276	0.866	0.319	0.541		12.5	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.79	75	0	Top	0	0.687	0.250	1.291	0.887	0.323	0.554		12.4	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	0.00	1702.50	340500	CP-OFDM	0.0	12.90	11.87	1	1	Top	0	0.665	0.244	1.268	0.843	0.309	0.527		12.6	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	0.06	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.88	1	1	Bottom	0	0.000	0.000	1.265	0.000	0.000	0.000		50.9	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.84	36	0	Bottom	0	0.000	0.000	1.276	0.000	0.000	0.000		50.8	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.88	1	1	Right	0	0.036	0.016	1.265	0.046	0.020	0.029		25.3	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.84	36	0	Right	0	0.033	0.015	1.276	0.042	0.019	0.026		25.6	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	0.12	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.88	1	1	Left	0	0.011	0.004	1.265	0.014	0.005	0.009		30.4	
Body	NR Band n70	15	QPSK	3b	27WT9	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	12.90	11.84	36	0	Left	0	0.012	0.005	1.276	0.015	0.006	0.009		30.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-60 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n70	15	QPSK	4	20IV6	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.20	1	1	Back	0	0.752	0.337	1.023	0.769	0.345	0.481		15.4	14.7
Body	NR Band n70	15	QPSK	4	20IV6	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.19	36	22	Back	0	0.714	0.321	1.026	0.733	0.329	0.458		15.6	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.15	75	0	Back	0	0.711	0.319	1.035	0.736	0.330	0.460		15.6	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	-0.04	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.20	1	1	Top	0	0.627	0.260	1.023	0.641	0.266	0.401		16.2	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.19	36	22	Top	0	0.597	0.246	1.026	0.613	0.252	0.383		16.4	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.20	1	1	Bottom	0	0.002	0.000	1.023	0.002	0.000	0.001		41.2	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.19	36	22	Bottom	0	0.003	0.000	1.026	0.003	0.000	0.002		39.4	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.20	1	1	Right	0	0.000	0.000	1.023	0.000	0.000	0.000		54.2	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	0.08	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.19	36	22	Right	0	0.000	0.000	1.026	0.000	0.000	0.000		54.2	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	-0.02	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.20	1	1	Left	0	0.862	0.314	1.023	0.882	0.321	0.551		14.8	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	-0.01	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.19	36	22	Left	0	0.832	0.299	1.026	0.854	0.307	0.534		15.0	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	15.30	15.15	75	0	Left	0	0.849	0.304	1.035	0.879	0.315	0.549		14.8	
Body	NR Band n70	15	QPSK	4	20IV6	1:1	-0.02	1702.50	340500	CP-OFDM	0.0	15.30	15.17	1	1	Left	0	0.887	0.320	1.030	0.914	0.330	0.571		14.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.22 NR Band n66 Standalone SAR

Table 10-61 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.15	1	1	Back	0	0.856	0.325	1.135	0.972	0.369	0.608		11.8	11.7
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	0.00	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.24	108	0	Back	0	0.862	0.334	1.112	0.959	0.371	0.599		11.9	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.06	216	0	Back	0	0.858	0.328	1.159	0.994	0.380	0.621		11.7	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	-0.01	1745.00	349000	CP-OFDM	0.0	12.70	11.99	1	1	Back	0	0.824	0.319	1.178	0.971	0.376	0.607		11.8	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.15	1	1	Top	0	0.010	0.004	1.135	0.011	0.005	0.007		31.1	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.24	108	0	Top	0	0.000	0.000	1.112	0.000	0.000	0.000		51.2	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.15	1	1	Bottom	0	0.634	0.228	1.135	0.720	0.259	0.450		13.1	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	0.00	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.24	108	0	Bottom	0	0.642	0.230	1.112	0.714	0.256	0.446		13.1	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	-0.01	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.06	216	0	Bottom	0	0.657	0.236	1.159	0.761	0.274	0.476		12.9	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.15	1	1	Right	0	0.011	0.004	1.135	0.012	0.005	0.008		30.7	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.24	108	0	Right	0	0.012	0.005	1.112	0.013	0.006	0.008		30.4	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	-0.16	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.15	1	1	Left	0	0.032	0.013	1.135	0.036	0.015	0.023		26.1	
Body	NR Band n66	40	QPSK	1b	Q96KN	1:1	-0.05	1745.00	349000	DFT-s-OFDM	0.0	12.70	12.24	108	0	Left	0	0.031	0.013	1.112	0.034	0.014	0.021		26.3	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-62 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	0.10	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.25	1	1	Back	0	0.826	0.356	1.012	0.836	0.360	0.523		15.1	14.5
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.28	108	0	Back	0	0.943	0.396	1.005	0.948	0.398	0.593		14.5	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.18	216	0	Back	0	0.898	0.377	1.028	0.923	0.388	0.577		14.6	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	0.00	1745.00	349000	CP-OFDM	0.0	15.30	15.25	1	1	Back	0	0.950	0.396	1.012	0.961	0.401	0.601	A22	14.5	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	-0.03	1745.00	349000	CP-OFDM	0.0	15.30	15.25	1	1	Back	0	0.929	0.390	1.012	0.940	0.395	0.588		14.6	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	0.04	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.25	1	1	Top	0	0.000	0.000	1.012	0.000	0.000	0.000		54.2	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.28	108	0	Top	0	0.000	0.000	1.005	0.000	0.000	0.000		54.3	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	-0.05	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.25	1	1	Bottom	0	0.366	0.145	1.012	0.370	0.147	0.231		18.6	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	-0.05	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.28	108	0	Bottom	0	0.377	0.149	1.005	0.379	0.150	0.237		18.5	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	-0.04	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.25	1	1	Right	0	0.875	0.284	1.012	0.886	0.287	0.554		14.8	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	-0.01	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.28	108	0	Right	0	0.900	0.294	1.005	0.905	0.295	0.566		14.7	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	-0.02	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.18	216	0	Right	0	0.873	0.290	1.028	0.897	0.298	0.561		14.8	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	0.08	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.25	1	1	Left	0	0.006	0.002	1.012	0.006	0.002	0.004		36.4	
Body	NR Band n66	40	QPSK	2	PY2L1	1:1	0.09	1745.00	349000	DFT-s-OFDM	0.0	15.30	15.28	108	0	Left	0	0.007	0.002	1.005	0.007	0.002	0.004		35.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Blue entry represents variability measurement

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Table 10-63 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.78	1	1	Back	0	0.338	0.141	1.294	0.437	0.182	0.273		15.5	12.0
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	-0.02	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.99	108	0	Back	0	0.353	0.147	1.233	0.435	0.181	0.272		15.5	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.78	1	1	Top	0	0.709	0.258	1.294	0.917	0.334	0.573		12.3	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	0.11	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.99	108	0	Top	0	0.753	0.272	1.233	0.928	0.335	0.580		12.2	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	-0.01	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.77	216	0	Top	0	0.742	0.270	1.297	0.962	0.350	0.601		12.0	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	-0.03	1745.00	349000	CP-OFDM	0.0	12.90	11.79	1	1	Top	0	0.738	0.267	1.291	0.953	0.345	0.596		12.1	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.78	1	1	Bottom	0	0.000	0.000	1.294	0.000	0.000	0.000		50.8	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.99	108	0	Bottom	0	0.000	0.000	1.233	0.000	0.000	0.000		51.0	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	-0.06	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.78	1	1	Right	0	0.036	0.016	1.294	0.047	0.021	0.029		25.2	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.99	108	0	Right	0	0.033	0.015	1.233	0.041	0.018	0.026		25.8	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.78	1	1	Left	0	0.007	0.002	1.294	0.009	0.003	0.006		32.3	
Body	NR Band n66	40	QPSK	3b	27WT9	1:1	-0.02	1745.00	349000	DFT-s-OFDM	0.0	12.90	11.99	108	0	Left	0	0.008	0.003	1.233	0.010	0.004	0.006		31.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-64 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.71	1	214	Back	0	0.828	0.320	1.146	0.949	0.367	0.593		14.5	14.4
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	-0.01	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.86	108	0	Back	0	0.832	0.352	1.107	0.921	0.390	0.576		14.6	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.58	216	0	Back	0	0.745	0.318	1.180	0.879	0.375	0.549		14.8	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.71	1	214	Top	0	0.527	0.198	1.146	0.604	0.227	0.378		16.5	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.86	108	0	Top	0	0.578	0.234	1.107	0.640	0.259	0.400		16.2	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.71	1	214	Bottom	0	0.010	0.005	1.146	0.011	0.006	0.007		33.7	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.86	108	0	Bottom	0	0.008	0.003	1.107	0.009	0.003	0.006		34.8	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.08	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.71	1	214	Right	0	0.000	0.000	1.146	0.000	0.000	0.000		53.7	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.86	108	0	Right	0	0.003	0.000	1.107	0.003	0.000	0.002		39.1	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	-0.07	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.71	1	214	Left	0	0.818	0.290	1.146	0.937	0.332	0.586		14.6	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	-0.01	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.86	108	0	Left	0	0.855	0.280	1.107	0.946	0.310	0.591		14.5	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	15.30	14.58	216	0	Left	0	0.828	0.296	1.180	0.977	0.349	0.611		14.4	
Body	NR Band n66	40	QPSK	4	Q97RL	1:1	0.00	1745.00	349000	CP-OFDM	0.0	15.30	14.73	1	1	Left	0	0.781	0.287	1.140	0.890	0.327	0.556		14.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.23 NR Band n25 Standalone SAR

Table 10-65 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	-0.05	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.92	1	214	Back	0	0.910	0.354	1.091	0.993	0.386	0.621		11.3	11.3
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	-0.03	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.97	108	0	Back	0	0.920	0.358	1.079	0.993	0.386	0.621		11.3	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	-0.05	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.83	216	0	Back	0	0.883	0.346	1.114	0.984	0.385	0.615		11.4	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	-0.03	1882.50	376500	CP-OFDM	0.0	12.30	11.81	1	1	Back	0	0.831	0.326	1.119	0.930	0.365	0.581		11.6	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.92	1	214	Top	0	0.002	0.000	1.091	0.002	0.000	0.001		37.9	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.97	108	0	Top	0	0.003	0.000	1.079	0.003	0.000	0.002		36.2	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	-0.07	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.92	1	214	Bottom	0	0.648	0.234	1.091	0.707	0.255	0.442		12.8	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.97	108	0	Bottom	0	0.648	0.233	1.079	0.699	0.251	0.437		12.8	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	-0.03	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.92	1	214	Right	0	0.015	0.006	1.091	0.016	0.007	0.010		29.1	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.97	108	0	Right	0	0.015	0.006	1.079	0.016	0.006	0.010		29.2	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	0.05	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.92	1	214	Left	0	0.043	0.016	1.091	0.047	0.017	0.029		24.6	
Body	NR Band n25	40	QPSK	1b	Q96KN	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	12.30	11.97	108	0	Left	0	0.041	0.016	1.079	0.044	0.017	0.028		24.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-66 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.31	1	214	Back	0	0.892	0.358	1.069	0.954	0.383	0.596		15.1	14.9
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.35	108	0	Back	0	0.923	0.374	1.059	0.977	0.396	0.611		15.0	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.22	216	0	Back	0	0.892	0.359	1.091	0.973	0.392	0.608		15.0	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.02	1882.50	376500	CP-OFDM	0.0	15.60	15.34	1	1	Back	0	0.935	0.380	1.062	0.993	0.404	0.621	A23	14.9	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.31	1	214	Top	0	0.000	0.000	1.069	0.000	0.000	0.000		54.6	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.35	108	0	Top	0	0.000	0.000	1.059	0.000	0.000	0.000		54.6	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.31	1	214	Bottom	0	0.364	0.157	1.069	0.389	0.168	0.243		19.0	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.35	108	0	Bottom	0	0.331	0.122	1.059	0.351	0.129	0.219		19.4	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.31	1	214	Right	0	0.708	0.244	1.069	0.757	0.261	0.473		16.1	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	-0.07	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.35	108	0	Right	0	0.713	0.246	1.059	0.755	0.261	0.472		16.1	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	-0.09	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.22	216	0	Right	0	0.728	0.247	1.091	0.794	0.269	0.496		15.9	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.07	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.31	1	214	Left	0	0.009	0.003	1.069	0.010	0.003	0.006		35.1	
Body	NR Band n25	40	QPSK	2	XTVPF	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	15.60	15.35	108	0	Left	0	0.013	0.006	1.059	0.014	0.006	0.009		33.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-67 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.06	1	108	Back	0	0.478	0.199	1.213	0.580	0.241	0.363		14.2	12.1
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	-0.02	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.07	108	108	Back	0	0.486	0.201	1.211	0.589	0.243	0.368		14.2	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.06	1	108	Top	0	0.744	0.272	1.213	0.902	0.330	0.564		12.3	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	-0.03	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.07	108	108	Top	0	0.777	0.282	1.211	0.941	0.342	0.588		12.1	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	12.90	11.99	216	0	Top	0	0.775	0.279	1.233	0.956	0.344	0.598		12.1	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	-0.01	1882.50	376500	CP-OFDM	0.0	12.90	12.03	1	1	Top	0	0.728	0.266	1.222	0.890	0.325	0.556		12.4	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.06	1	108	Bottom	0	0.000	0.000	1.213	0.000	0.000	0.000		51.0	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.07	108	108	Bottom	0	0.001	0.000	1.211	0.001	0.000	0.001		41.1	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.06	1	108	Right	0	0.029	0.014	1.213	0.035	0.017	0.022		26.4	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.07	108	108	Right	0	0.032	0.015	1.211	0.039	0.018	0.024		26.0	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.06	1	108	Left	0	0.010	0.005	1.213	0.012	0.006	0.008		31.0	
Body	NR Band n25	40	QPSK	3b	RRXWW	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	12.90	12.07	108	108	Left	0	0.010	0.005	1.211	0.012	0.006	0.008		31.1	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-68 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.17	1	108	Back	0	0.593	0.250	1.327	0.787	0.332	0.492		14.4	13.7
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.15	108	54	Back	0	0.521	0.228	1.334	0.695	0.304	0.434		15.0	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.05	216	0	Back	0	0.625	0.265	1.365	0.853	0.362	0.533		14.1	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	-0.03	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.17	1	108	Top	0	0.307	0.121	1.327	0.407	0.161	0.254		17.3	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.15	108	54	Top	0	0.306	0.121	1.334	0.408	0.161	0.255		17.3	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.17	1	108	Bottom	0	0.002	0.000	1.327	0.003	0.000	0.002		39.1	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.15	108	54	Bottom	0	0.000	0.000	1.334	0.000	0.000	0.000		52.1	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.17	1	108	Right	0	0.002	0.000	1.327	0.003	0.000	0.002		39.1	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.15	108	54	Right	0	0.003	0.001	1.334	0.004	0.001	0.003		37.4	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.17	1	108	Left	0	0.645	0.227	1.327	0.856	0.301	0.535		14.1	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.15	108	54	Left	0	0.695	0.244	1.334	0.927	0.325	0.579		13.7	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	-0.14	1882.50	376500	DFT-s-OFDM	0.0	14.40	13.05	216	0	Left	0	0.625	0.220	1.365	0.853	0.300	0.533		14.1	
Body	NR Band n25	40	QPSK	4	Q96KN	1:1	-0.19	1882.50	376500	CP-OFDM	0.0	14.40	13.05	1	1	Left	0	0.660	0.235	1.365	0.901	0.321	0.563		13.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.24 NR Band n30 Standalone SAR

Table 10-69 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	-0.08	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.85	1	50	Back	0	0.850	0.301	1.161	0.987	0.349	0.617		11.5	11.5
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	-0.04	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.83	25	14	Back	0	0.817	0.292	1.167	0.953	0.341	0.596		11.7	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.80	50	0	Back	0	0.793	0.284	1.175	0.932	0.334	0.583		11.8	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	-0.03	2310.00	462000	CP-OFDM	0.0	12.50	12.15	1	1	Back	0	0.866	0.306	1.084	0.939	0.332	0.587	A24	11.8	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.85	1	50	Top	0	0.005	0.001	1.161	0.006	0.001	0.004		33.8	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.83	25	14	Top	0	0.004	0.000	1.167	0.005	0.000	0.003		34.8	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.85	1	50	Bottom	0	0.678	0.223	1.161	0.787	0.259	0.492		12.5	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.83	25	14	Bottom	0	0.653	0.218	1.167	0.762	0.254	0.476		12.7	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.80	50	0	Bottom	0	0.656	0.218	1.175	0.771	0.256	0.482		12.6	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	0.16	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.85	1	50	Right	0	0.014	0.004	1.161	0.016	0.005	0.010		29.4	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	0.19	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.83	25	14	Right	0	0.016	0.004	1.167	0.019	0.005	0.012		28.8	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	0.06	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.85	1	50	Left	0	0.029	0.010	1.161	0.034	0.012	0.021		26.2	
Body	NR Band n30	10	QPSK	1b	JWQMI	1:1	0.10	2310.00	462000	DFT-s-OFDM	0.0	12.50	11.83	25	14	Left	0	0.029	0.011	1.167	0.034	0.013	0.021		26.2	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-70 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.34	1	26	Back	0	0.730	0.268	1.247	0.910	0.334	0.569		12.7	12.7
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.31	25	14	Back	0	0.711	0.262	1.256	0.893	0.329	0.558		12.8	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.29	50	0	Back	0	0.717	0.264	1.262	0.905	0.333	0.566		12.7	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.01	2310.00	462000	CP-OFDM	0.0	13.30	12.16	1	1	Back	0	0.705	0.258	1.300	0.917	0.335	0.573		12.7	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.19	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.34	1	26	Top	0	0.006	0.001	1.247	0.007	0.001	0.004		33.5	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.31	25	14	Top	0	0.005	0.001	1.256	0.006	0.001	0.004		34.3	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.34	1	26	Bottom	0	0.264	0.085	1.247	0.329	0.106	0.206		17.1	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	-0.06	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.31	25	14	Bottom	0	0.283	0.091	1.256	0.355	0.114	0.222		16.8	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.34	1	26	Right	0	0.648	0.219	1.247	0.808	0.273	0.505		13.2	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	-0.03	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.31	25	14	Right	0	0.647	0.217	1.256	0.813	0.273	0.508		13.2	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.29	50	0	Right	0	0.631	0.212	1.262	0.796	0.268	0.498		13.3	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.09	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.34	1	26	Left	0	0.000	0.000	1.247	0.000	0.000	0.000		51.3	
Body	NR Band n30	10	QPSK	2	PY2L1	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	13.30	12.31	25	14	Left	0	0.002	0.000	1.256	0.003	0.000	0.002		38.3	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-71 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	-0.06	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.29	1	50	Back	0	0.568	0.219	1.151	0.654	0.252	0.409		13.7	11.9
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.23	25	14	Back	0	0.603	0.231	1.167	0.704	0.270	0.440		13.4	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.29	1	50	Top	0	0.784	0.277	1.151	0.902	0.319	0.564		12.3	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.23	25	14	Top	0	0.791	0.278	1.167	0.923	0.324	0.577		12.2	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.19	50	0	Top	0	0.787	0.276	1.178	0.927	0.325	0.579		12.2	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	0.06	2310.00	462000	CP-OFDM	0.0	12.90	12.15	1	1	Top	0	0.832	0.291	1.189	0.989	0.346	0.618		11.9	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.29	1	50	Bottom	0	0.001	0.000	1.151	0.001	0.000	0.001		41.3	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.23	25	14	Bottom	0	0.000	0.000	1.167	0.000	0.000	0.000		51.2	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	-0.06	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.29	1	50	Right	0	0.034	0.015	1.151	0.039	0.017	0.024		26.0	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	-0.06	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.23	25	14	Right	0	0.033	0.014	1.167	0.039	0.016	0.024		26.0	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	0.16	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.29	1	50	Left	0	0.036	0.012	1.151	0.041	0.014	0.026		25.7	
Body	NR Band n30	10	QPSK	3b	YRWVW	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	12.90	12.23	25	14	Left	0	0.047	0.017	1.167	0.055	0.020	0.034		24.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-72 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.17	1	50	Back	0	0.748	0.275	1.327	0.993	0.365	0.621		13.4	13.4
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	-0.21	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.12	25	14	Back	0	0.649	0.239	1.343	0.872	0.321	0.545		14.0	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	-0.03	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.04	50	0	Back	0	0.599	0.224	1.368	0.819	0.306	0.512		14.2	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	-0.03	2310.00	462000	CP-OFDM	0.0	14.40	12.89	1	1	Back	0	0.643	0.238	1.416	0.910	0.337	0.569		13.8	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	-0.03	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.17	1	50	Top	0	0.418	0.154	1.327	0.555	0.204	0.347		15.9	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.12	25	14	Top	0	0.411	0.153	1.343	0.552	0.205	0.345		16.0	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.17	1	50	Bottom	0	0.005	0.002	1.327	0.007	0.003	0.004		35.2	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	0.09	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.12	25	14	Bottom	0	0.006	0.002	1.343	0.008	0.003	0.005		34.3	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.17	1	50	Right	0	0.006	0.002	1.327	0.008	0.003	0.005		34.4	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.12	25	14	Right	0	0.008	0.003	1.343	0.011	0.004	0.007		33.1	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.17	1	50	Left	0	0.414	0.142	1.327	0.549	0.188	0.343		16.0	
Body	NR Band n30	10	QPSK	4	PY2L1	1:1	-0.03	2310.00	462000	DFT-s-OFDM	0.0	14.40	13.12	25	14	Left	0	0.400	0.137	1.343	0.537	0.184	0.336		16.1	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.25 NR Band n7 Standalone SAR

Table 10-73 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.92	1	108	Back	0	0.702	0.241	1.343	0.943	0.324	0.589		12.4	12.2
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	-0.06	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.90	108	108	Back	0	0.706	0.242	1.349	0.952	0.326	0.595		12.4	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.80	216	0	Back	0	0.712	0.244	1.380	0.983	0.337	0.614		12.3	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.92	1	108	Top	0	0.000	0.000	1.343	0.000	0.000	0.000		50.9	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.90	108	108	Top	0	0.000	0.000	1.349	0.000	0.000	0.000		50.9	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.92	1	108	Bottom	0	0.702	0.225	1.343	0.943	0.302	0.589		12.4	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.90	108	108	Bottom	0	0.731	0.233	1.349	0.986	0.314	0.616		12.2	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.80	216	0	Bottom	0	0.720	0.231	1.380	0.994	0.319	0.621		12.2	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	0.11	2535.00	507000	CP-OFDM	0.0	13.20	11.91	1	1	Bottom	0	0.732	0.234	1.346	0.985	0.315	0.616		12.2	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.92	1	108	Right	0	0.024	0.007	1.343	0.032	0.009	0.020		27.1	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.90	108	108	Right	0	0.020	0.005	1.349	0.027	0.007	0.017		27.9	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	0.14	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.92	1	108	Left	0	0.024	0.007	1.343	0.032	0.009	0.020		27.1	
Body	NR Band n7	40	QPSK	1b	JWQMJ	1:1	-0.06	2535.00	507000	DFT-s-OFDM	0.0	13.20	11.90	108	108	Left	0	0.026	0.010	1.349	0.035	0.013	0.022		26.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-74 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n7	40	QPSK	2	27WT9	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.68	1	1	Back	0	0.640	0.233	1.294	0.828	0.302	0.518		12.6	12.2
Body	NR Band n7	40	QPSK	2	27WT9	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.63	108	0	Back	0	0.658	0.237	1.309	0.861	0.310	0.538		12.4	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.45	216	0	Back	0	0.659	0.239	1.365	0.900	0.326	0.563		12.2	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	0.04	2535.00	507000	CP-OFDM	0.0	12.80	11.67	1	1	Back	0	0.661	0.243	1.297	0.857	0.315	0.536		12.4	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.68	1	1	Top	0	0.009	0.004	1.294	0.012	0.005	0.008		31.1	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	0.16	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.63	108	0	Top	0	0.007	0.003	1.309	0.009	0.004	0.006		32.2	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.68	1	1	Bottom	0	0.283	0.092	1.294	0.366	0.119	0.229		16.1	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	-0.06	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.63	108	0	Bottom	0	0.291	0.094	1.309	0.381	0.123	0.238		16.0	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.68	1	1	Right	0	0.485	0.158	1.294	0.628	0.204	0.393		13.8	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	-0.08	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.63	108	0	Right	0	0.511	0.167	1.309	0.669	0.219	0.418		13.5	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.68	1	1	Left	0	0.001	0.000	1.294	0.001	0.000	0.001		40.7	
Body	NR Band n7	40	QPSK	2	27WT9	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	12.80	11.63	108	0	Left	0	0.002	0.000	1.309	0.003	0.000	0.002		37.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-75 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.49	1	214	Back	0	0.453	0.162	1.321	0.598	0.214	0.374		13.9	11.8
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.46	108	0	Back	0	0.485	0.174	1.330	0.645	0.231	0.403		13.6	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.49	1	214	Top	0	0.704	0.228	1.321	0.930	0.301	0.581		12.0	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.46	108	0	Top	0	0.730	0.238	1.330	0.971	0.317	0.607		11.8	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	-0.02	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.39	216	0	Top	0	0.715	0.232	1.352	0.967	0.314	0.604		11.8	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.00	2535.00	507000	CP-OFDM	0.0	12.70	11.52	1	1	Top	0	0.742	0.244	1.312	0.974	0.320	0.609		11.8	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.49	1	214	Bottom	0	0.000	0.000	1.321	0.000	0.000	0.000		50.5	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.09	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.46	108	0	Bottom	0	0.000	0.000	1.330	0.000	0.000	0.000		50.4	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.09	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.49	1	214	Right	0	0.028	0.011	1.321	0.037	0.015	0.023		26.0	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	-0.10	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.46	108	0	Right	0	0.030	0.012	1.330	0.040	0.016	0.025		25.7	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.49	1	214	Left	0	0.015	0.005	1.321	0.020	0.007	0.013		28.7	
Body	NR Band n7	40	QPSK	3b	7NLKV	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	12.70	11.46	108	0	Left	0	0.019	0.006	1.330	0.025	0.008	0.016		27.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-76 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n7	40	QPSK	4	27WT9	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.67	1	108	Back	0	0.773	0.265	1.211	0.936	0.321	0.585		10.8	10.5
Body	NR Band n7	40	QPSK	4	27WT9	1:1	-0.07	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.61	108	108	Back	0	0.810	0.278	1.227	0.994	0.341	0.621	A25	10.5	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.06	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.54	216	0	Back	0	0.784	0.270	1.247	0.978	0.337	0.611		10.6	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.01	2535.00	507000	CP-OFDM	0.0	11.50	10.61	1	1	Back	0	0.782	0.267	1.227	0.960	0.328	0.600		10.7	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	-0.02	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.67	1	108	Top	0	0.218	0.077	1.211	0.264	0.093	0.165		16.3	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.61	108	108	Top	0	0.227	0.081	1.227	0.279	0.099	0.174		16.0	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.67	1	108	Bottom	0	0.004	0.000	1.211	0.005	0.000	0.003		33.6	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.61	108	108	Bottom	0	0.005	0.002	1.227	0.006	0.002	0.004		32.6	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.67	1	108	Right	0	0.002	0.000	1.211	0.002	0.000	0.001		36.6	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.61	108	108	Right	0	0.000	0.000	1.227	0.000	0.000	0.000		49.6	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.67	1	108	Left	0	0.595	0.202	1.211	0.721	0.245	0.451		11.9	
Body	NR Band n7	40	QPSK	4	27WT9	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	11.50	10.61	108	108	Left	0	0.630	0.211	1.227	0.773	0.259	0.483		11.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.26 NR Band n41 Standalone SAR

Table 10-77 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	-0.13	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.15	1	137	Back	0	0.760	0.256	1.135	0.863	0.291	0.539		12.3	11.9
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.06	135	69	Back	0	0.774	0.260	1.159	0.897	0.301	0.561		12.2	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	-0.12	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.03	270	0	Back	0	0.769	0.260	1.167	0.897	0.303	0.561		12.2	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	0.00	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.15	1	137	Top	0	0.000	0.000	1.135	0.000	0.000	0.000		51.1	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.06	135	69	Top	0	0.000	0.000	1.159	0.000	0.000	0.000		51.0	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.15	1	137	Bottom	0	0.830	0.261	1.135	0.942	0.296	0.589		11.9	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	0.00	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.06	135	69	Bottom	0	0.823	0.260	1.159	0.954	0.301	0.596		11.9	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	0.02	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.03	270	0	Bottom	0	0.806	0.254	1.167	0.941	0.296	0.588		11.9	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	0.03	2592.99	518598	CP-OFDM	0.0	12.70	11.94	1	1	Bottom	0	0.729	0.232	1.191	0.868	0.276	0.543		12.3	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	0.02	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.15	1	137	Right	0	0.000	0.000	1.135	0.000	0.000	0.000		51.1	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.06	135	69	Right	0	0.000	0.000	1.159	0.000	0.000	0.000		51.0	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.15	1	137	Left	0	0.034	0.013	1.135	0.039	0.015	0.024		25.8	
Body	NR Band n41	100	QPSK	1b	JWMQJ	1:1	-0.18	2592.99	518598	DFT-s-OFDM	0.0	12.70	12.06	135	69	Left	0	0.033	0.013	1.159	0.038	0.015	0.024		25.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-78 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.42	1	271	Back	0	0.639	0.231	1.091	0.697	0.252	0.436		13.3	11.9
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.29	135	0	Back	0	0.790	0.285	1.125	0.889	0.321	0.556		12.3	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.02	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.28	270	0	Back	0	0.742	0.268	1.127	0.836	0.302	0.523		12.6	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.02	2592.99	518598	CP-OFDM	0.0	12.80	12.26	1	1	Back	0	0.845	0.305	1.132	0.957	0.345	0.598		12.0	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.07	2592.99	518598	CP-OFDM	0.0	12.80	12.26	1	1	Back	0	0.855	0.308	1.132	0.968	0.349	0.605	A26	11.9	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.07	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.42	1	271	Top	0	0.013	0.005	1.091	0.014	0.005	0.009		30.3	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.29	135	0	Top	0	0.011	0.005	1.125	0.012	0.006	0.008		30.9	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.42	1	271	Bottom	0	0.305	0.096	1.091	0.333	0.105	0.208		16.6	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.29	135	0	Bottom	0	0.361	0.116	1.125	0.406	0.131	0.254		15.7	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	-0.03	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.42	1	271	Right	0	0.607	0.206	1.091	0.662	0.225	0.414		13.6	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	-0.06	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.29	135	0	Right	0	0.653	0.219	1.125	0.735	0.246	0.459		13.1	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.08	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.42	1	271	Left	0	0.000	0.000	1.091	0.000	0.000	0.000		51.4	
Body	NR Band n41	100	QPSK	2	27WT9	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	12.80	12.29	135	0	Left	0	0.002	0.000	1.125	0.002	0.000	0.001		38.3	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Blue entry represents variability measurement

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Table 10-79 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	-0.04	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.78	1	137	Back	0	0.445	0.160	1.153	0.513	0.184	0.321		14.3	11.4
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	-0.01	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.75	135	69	Back	0	0.447	0.161	1.161	0.519	0.187	0.324		14.2	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.78	1	137	Top	0	0.731	0.239	1.153	0.843	0.276	0.527		12.1	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.75	135	69	Top	0	0.737	0.239	1.161	0.856	0.277	0.535		12.1	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.71	270	0	Top	0	0.730	0.235	1.172	0.856	0.275	0.535		12.1	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	0.01	2592.99	518598	CP-OFDM	0.0	12.40	11.43	1	1	Top	0	0.795	0.260	1.250	0.994	0.325	0.621		11.4	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	0.09	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.78	1	137	Bottom	0	0.000	0.000	1.153	0.000	0.000	0.000		50.8	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	0.08	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.75	135	69	Bottom	0	0.000	0.000	1.161	0.000	0.000	0.000		50.7	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	-0.17	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.78	1	137	Right	0	0.029	0.012	1.153	0.033	0.014	0.021		26.1	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	-0.12	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.75	135	69	Right	0	0.028	0.011	1.161	0.033	0.013	0.021		26.3	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	0.05	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.78	1	137	Left	0	0.015	0.004	1.153	0.017	0.005	0.011		29.0	
Body	NR Band n41	100	QPSK	3b	XTVPF	1:1	0.16	2592.99	518598	DFT-s-OFDM	0.0	12.40	11.75	135	69	Left	0	0.013	0.004	1.161	0.015	0.005	0.009		29.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-80 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	-0.05	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.26	1	137	Back	0	0.742	0.255	1.159	0.860	0.296	0.538		10.5	10.4
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	-0.01	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.27	135	0	Back	0	0.754	0.260	1.156	0.872	0.301	0.545		10.5	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	-0.06	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.17	270	0	Back	0	0.745	0.256	1.183	0.881	0.303	0.551		10.4	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	0.03	2592.99	518598	CP-OFDM	0.0	10.90	10.18	1	1	Back	0	0.707	0.244	1.180	0.834	0.288	0.521		10.7	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.26	1	137	Top	0	0.166	0.058	1.159	0.192	0.067	0.120		17.0	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	-0.03	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.27	135	0	Top	0	0.182	0.064	1.156	0.210	0.074	0.131		16.7	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	0.06	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.26	1	137	Bottom	0	0.003	0.000	1.159	0.003	0.000	0.002		34.5	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.27	135	0	Bottom	0	0.000	0.000	1.156	0.000	0.000	0.000		49.3	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.26	1	137	Right	0	0.001	0.000	1.159	0.001	0.000	0.001		39.2	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.27	135	0	Right	0	0.000	0.000	1.156	0.000	0.000	0.000		49.3	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.26	1	137	Left	0	0.564	0.191	1.159	0.654	0.221	0.409		11.7	
Body	NR Band n41	100	QPSK	4	JWQMJ	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	10.90	10.27	135	0	Left	0	0.597	0.202	1.156	0.690	0.234	0.431		11.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.27 NR Band n48 Standalone SAR

Table 10-81 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.05	3570.00	638000	DFT-s-OFDM	0.0	10.50	9.35	1	104	Back	0	0.663	0.192	1.303	0.864	0.250	0.540		10.1	10.1
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.07	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.51	1	104	Back	0	0.608	0.179	1.256	0.764	0.225	0.478		10.7	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.06	3679.98	645332	DFT-s-OFDM	0.0	10.50	9.24	1	1	Back	0	0.622	0.178	1.337	0.832	0.238	0.520		10.3	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.11	3570.00	638000	DFT-s-OFDM	0.0	10.50	9.35	50	56	Back	0	0.589	0.171	1.303	0.767	0.223	0.479		10.6	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.12	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.40	50	0	Back	0	0.619	0.178	1.288	0.797	0.229	0.498		10.5	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.07	3679.98	645332	DFT-s-OFDM	0.0	10.50	9.27	50	0	Back	0	0.639	0.185	1.327	0.848	0.245	0.530		10.2	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.05	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.32	100	0	Back	0	0.641	0.185	1.312	0.841	0.243	0.526		10.2	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.14	3624.99	641666	CP-OFDM	0.0	10.50	9.36	1	1	Back	0	0.643	0.187	1.300	0.836	0.243	0.523		10.3	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.09	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.51	1	104	Top	0	0.000	0.000	1.256	0.000	0.000	0.000		48.5	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.07	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.40	50	0	Top	0	0.000	0.000	1.288	0.000	0.000	0.000		48.4	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.11	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.51	1	104	Bottom	0	0.170	0.047	1.256	0.214	0.059	0.134		16.2	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.40	50	0	Bottom	0	0.170	0.047	1.288	0.219	0.061	0.137		16.1	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.05	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.51	1	104	Right	0	0.000	0.000	1.256	0.000	0.000	0.000		48.5	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.04	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.40	50	0	Right	0	0.000	0.000	1.288	0.000	0.000	0.000		48.4	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.02	3570.00	638000	DFT-s-OFDM	0.0	10.50	9.35	1	104	Left	0	0.580	0.158	1.303	0.756	0.206	0.473		10.7	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.02	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.51	1	104	Left	0	0.570	0.156	1.256	0.716	0.196	0.448		10.9	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.12	3679.98	645332	DFT-s-OFDM	0.0	10.50	9.24	1	1	Left	0	0.550	0.151	1.337	0.735	0.202	0.459		10.8	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.02	3570.00	638000	DFT-s-OFDM	0.0	10.50	9.35	50	56	Left	0	0.611	0.166	1.303	0.796	0.216	0.498		10.5	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.04	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.40	50	0	Left	0	0.603	0.163	1.288	0.777	0.210	0.486		10.6	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.10	3679.98	645332	DFT-s-OFDM	0.0	10.50	9.27	50	0	Left	0	0.518	0.139	1.327	0.687	0.184	0.429		11.1	
Body	NR Band n48	40	QPSK	1a	0KCF7	1:1	0.08	3624.99	641666	DFT-s-OFDM	0.0	10.50	9.32	100	0	Left	0	0.555	0.151	1.312	0.728	0.198	0.455		10.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-82 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	-0.04	3570.00	638000	DFT-s-OFDM	0.0	10.30	9.54	1	104	Back	0	0.568	0.201	1.191	0.676	0.239	0.423		11.0	10.0
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.08	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.55	1	1	Back	0	0.577	0.221	1.189	0.686	0.263	0.429		10.9	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.01	3679.98	645332	DFT-s-OFDM	0.0	10.30	9.47	1	1	Back	0	0.596	0.214	1.211	0.722	0.259	0.451		10.7	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	-0.04	3570.00	638000	DFT-s-OFDM	0.0	10.30	9.36	50	56	Back	0	0.532	0.188	1.242	0.661	0.233	0.413		11.1	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.60	50	0	Back	0	0.586	0.223	1.175	0.689	0.262	0.431		10.9	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	-0.02	3679.98	645332	DFT-s-OFDM	0.0	10.30	9.37	50	0	Back	0	0.583	0.210	1.239	0.722	0.260	0.451		10.7	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.03	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.53	100	0	Back	0	0.568	0.201	1.194	0.678	0.240	0.424		11.0	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.06	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.55	1	1	Top	0	0.006	0.002	1.189	0.007	0.002	0.004		30.7	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.04	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.60	50	0	Top	0	0.005	0.000	1.175	0.006	0.000	0.004		31.6	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.03	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.55	1	1	Bottom	0	0.157	0.064	1.189	0.187	0.076	0.117		16.6	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.03	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.60	50	0	Bottom	0	0.151	0.059	1.175	0.177	0.069	0.111		16.8	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.10	3570.00	638000	DFT-s-OFDM	0.0	10.30	9.54	1	104	Right	0	0.695	0.201	1.191	0.828	0.239	0.518		10.1	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	-0.02	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.55	1	1	Right	0	0.686	0.212	1.189	0.816	0.252	0.510		10.2	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	10.30	9.47	1	1	Right	0	0.669	0.188	1.211	0.810	0.228	0.506		10.2	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.08	3570.00	638000	DFT-s-OFDM	0.0	10.30	9.36	50	56	Right	0	0.681	0.197	1.242	0.846	0.245	0.529		10.0	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.04	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.60	50	0	Right	0	0.695	0.197	1.175	0.817	0.231	0.511		10.2	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.05	3679.98	645332	DFT-s-OFDM	0.0	10.30	9.37	50	0	Right	0	0.658	0.186	1.239	0.815	0.230	0.509		10.2	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.06	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.53	100	0	Right	0	0.683	0.193	1.194	0.816	0.230	0.510		10.2	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.08	3624.99	641666	CP-OFDM	0.0	10.30	9.53	1	1	Right	0	0.673	0.192	1.194	0.804	0.229	0.503		10.2	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.08	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.55	1	1	Left	0	0.000	0.000	1.189	0.000	0.000	0.000		48.5	
Body	NR Band n48	40	QPSK	2	M4TNW	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	10.30	9.60	50	0	Left	0	0.000	0.000	1.175	0.000	0.000	0.000		48.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-83 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	-0.03	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.21	1	104	Back	0	0.285	0.093	1.199	0.342	0.112	0.214		13.6	9.7
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.03	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.10	50	56	Back	0	0.273	0.088	1.230	0.336	0.108	0.210		13.7	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	-0.07	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.21	1	104	Top	0	0.174	0.048	1.199	0.209	0.058	0.131		15.8	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.05	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.10	50	56	Top	0	0.171	0.047	1.230	0.210	0.058	0.131		15.8	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.06	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.21	1	104	Bottom	0	0.008	0.002	1.199	0.010	0.002	0.006		29.2	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.06	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.10	50	56	Bottom	0	0.008	0.003	1.230	0.010	0.004	0.006		29.0	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	-0.01	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.21	1	104	Right	0	0.655	0.190	1.199	0.785	0.228	0.491		10.0	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	-0.03	3624.99	641666	DFT-s-OFDM	0.0	10.00	9.14	1	1	Right	0	0.639	0.183	1.219	0.779	0.223	0.487		10.1	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.03	3679.98	645332	DFT-s-OFDM	0.0	10.00	8.90	1	1	Right	0	0.656	0.188	1.288	0.845	0.242	0.528		9.7	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.00	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.10	50	56	Right	0	0.648	0.188	1.230	0.797	0.231	0.498		10.0	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.02	3624.99	641666	DFT-s-OFDM	0.0	10.00	9.07	50	0	Right	0	0.616	0.178	1.239	0.763	0.221	0.477		10.2	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.03	3679.98	645332	DFT-s-OFDM	0.0	10.00	8.87	50	0	Right	0	0.657	0.187	1.297	0.852	0.243	0.533		9.7	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.04	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.01	100	0	Right	0	0.652	0.190	1.256	0.819	0.239	0.512		9.8	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	-0.02	3570.00	638000	CP-OFDM	0.0	10.00	9.20	1	1	Right	0	0.702	0.206	1.202	0.844	0.248	0.528		9.7	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.01	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.21	1	104	Left	0	0.000	0.000	1.199	0.000	0.000	0.000		48.2	
Body	NR Band n48	40	QPSK	3a	HYGFG	1:1	0.04	3570.00	638000	DFT-s-OFDM	0.0	10.00	9.10	50	56	Left	0	0.000	0.000	1.230	0.000	0.000	0.000		48.1	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-84 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.02	3570.00	638000	DFT-s-OFDM	0.0	11.30	10.61	1	104	Back	0	0.716	0.235	1.172	0.839	0.275	0.524		11.0	10.6
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	-0.03	3624.99	641666	DFT-s-OFDM	0.0	11.30	10.59	1	1	Back	0	0.726	0.238	1.178	0.855	0.280	0.534		11.0	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	-0.02	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.62	1	1	Back	0	0.792	0.261	1.169	0.926	0.305	0.579	A27	10.6	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	-0.03	3570.00	638000	DFT-s-OFDM	0.0	11.30	10.53	50	56	Back	0	0.703	0.239	1.194	0.839	0.285	0.524		11.0	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	-0.01	3624.99	641666	DFT-s-OFDM	0.0	11.30	10.62	50	0	Back	0	0.740	0.250	1.169	0.865	0.292	0.541		10.9	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	-0.02	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.65	50	0	Back	0	0.752	0.250	1.161	0.873	0.290	0.546		10.9	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.00	3624.99	641666	DFT-s-OFDM	0.0	11.30	10.58	100	0	Back	0	0.738	0.248	1.180	0.871	0.293	0.544		10.9	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	-0.05	3624.99	641666	CP-OFDM	0.0	11.30	10.65	1	1	Back	0	0.715	0.240	1.161	0.830	0.279	0.519		11.1	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	-0.12	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.62	1	1	Top	0	0.250	0.069	1.169	0.292	0.081	0.183		15.6	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.01	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.65	50	0	Top	0	0.250	0.069	1.161	0.290	0.080	0.181		15.7	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.03	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.62	1	1	Bottom	0	0.004	0.000	1.169	0.005	0.000	0.003		33.6	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.07	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.65	50	0	Bottom	0	0.001	0.000	1.161	0.001	0.000	0.001		39.6	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.09	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.62	1	1	Right	0	0.000	0.000	1.169	0.000	0.000	0.000		49.6	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.65	50	0	Right	0	0.001	0.000	1.161	0.001	0.000	0.001		39.6	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.06	3570.00	638000	DFT-s-OFDM	0.0	11.30	10.61	1	104	Left	0	0.709	0.206	1.172	0.831	0.241	0.519		11.1	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.02	3624.99	641666	DFT-s-OFDM	0.0	11.30	10.59	1	1	Left	0	0.658	0.190	1.178	0.775	0.224	0.484		11.4	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	-0.20	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.62	1	1	Left	0	0.630	0.184	1.169	0.736	0.215	0.460		11.6	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.00	3570.00	638000	DFT-s-OFDM	0.0	11.30	10.53	50	56	Left	0	0.655	0.197	1.194	0.782	0.235	0.489		11.3	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.07	3624.99	641666	DFT-s-OFDM	0.0	11.30	10.62	50	0	Left	0	0.714	0.214	1.169	0.835	0.250	0.522		11.1	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.01	3679.98	645332	DFT-s-OFDM	0.0	11.30	10.65	50	0	Left	0	0.635	0.177	1.161	0.737	0.205	0.461		11.6	
Body	NR Band n48	40	QPSK	4	HYGFG	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	11.30	10.58	100	0	Left	0	0.602	0.167	1.180	0.710	0.197	0.444		11.8	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.28 NR Band n77 DoD Standalone SAR

Table 10-85 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	-0.02	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.20	1	271	Back	0	0.537	0.151	1.175	0.631	0.177	0.394		10.9	10.3
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	-0.02	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.01	135	138	Back	0	0.523	0.149	1.227	0.642	0.183	0.401		10.8	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	0.07	3500.01	633334	CP-OFDM	0.0	9.90	8.85	1	1	Back	0	0.571	0.163	1.274	0.727	0.208	0.454		10.3	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	0.06	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.20	1	271	Top	0	0.005	0.002	1.175	0.006	0.002	0.004		31.2	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.01	135	138	Top	0	0.003	0.000	1.227	0.004	0.000	0.003		33.2	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	-0.03	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.20	1	271	Bottom	0	0.145	0.041	1.175	0.170	0.048	0.106		16.6	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	-0.08	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.01	135	138	Bottom	0	0.148	0.042	1.227	0.182	0.052	0.114		16.3	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.20	1	271	Right	0	0.000	0.000	1.175	0.000	0.000	0.000		48.2	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.01	135	138	Right	0	0.000	0.000	1.227	0.000	0.000	0.000		48.0	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	-0.01	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.20	1	271	Left	0	0.425	0.119	1.175	0.499	0.140	0.312		11.9	
Body	NR Band n77 DoD	100	QPSK	1a	7NLKV	1:1	-0.01	3500.01	633334	DFT-s-OFDM	0.0	9.90	9.01	135	138	Left	0	0.429	0.119	1.227	0.526	0.146	0.329		11.7	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-86 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.02	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.26	1	271	Back	0	0.368	0.140	1.493	0.549	0.209	0.343		11.6	9.9
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.03	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.25	135	69	Back	0	0.361	0.128	1.496	0.540	0.191	0.338		11.7	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.18	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.26	1	271	Top	0	0.005	0.001	1.493	0.007	0.001	0.004		30.3	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.02	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.25	135	69	Top	0	0.004	0.000	1.496	0.006	0.000	0.004		31.2	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.05	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.26	1	271	Bottom	0	0.120	0.050	1.493	0.179	0.075	0.112		16.4	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.06	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.25	135	69	Bottom	0	0.111	0.043	1.496	0.166	0.064	0.104		16.8	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.03	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.26	1	271	Right	0	0.541	0.169	1.493	0.808	0.252	0.505		9.9	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.25	135	69	Right	0	0.514	0.153	1.496	0.769	0.229	0.481		10.1	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.04	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.24	270	0	Right	0	0.493	0.140	1.500	0.740	0.210	0.463		10.3	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.02	3500.01	633334	CP-OFDM	0.0	10.00	8.01	1	1	Right	0	0.475	0.135	1.581	0.751	0.213	0.469		10.2	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.08	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.26	1	271	Left	0	0.000	0.000	1.493	0.000	0.000	0.000		47.2	
Body	NR Band n77 DoD	100	QPSK	2	M4TNW	1:1	0.09	3500.01	633334	DFT-s-OFDM	0.0	10.00	8.25	135	69	Left	0	0.000	0.000	1.496	0.000	0.000	0.000		47.2	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-87 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	-0.08	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.16	1	271	Back	0	0.236	0.089	1.213	0.286	0.108	0.179		13.4	9.8
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.17	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.09	135	138	Back	0	0.232	0.088	1.233	0.286	0.109	0.179		13.4	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.04	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.16	1	271	Top	0	0.137	0.038	1.213	0.166	0.046	0.104		15.8	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.03	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.09	135	138	Top	0	0.133	0.038	1.233	0.164	0.047	0.103		15.8	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.07	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.16	1	271	Bottom	0	0.005	0.002	1.213	0.006	0.002	0.004		30.2	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.02	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.09	135	138	Bottom	0	0.005	0.000	1.233	0.006	0.000	0.004		30.1	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.16	1	271	Right	0	0.516	0.155	1.213	0.626	0.188	0.391		10.0	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	-0.03	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.09	135	138	Right	0	0.482	0.148	1.233	0.594	0.182	0.371		10.2	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.01	3500.01	633334	CP-OFDM	0.0	9.00	7.74	1	1	Right	0	0.492	0.153	1.337	0.658	0.205	0.411		9.8	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.06	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.16	1	271	Left	0	0.000	0.000	1.213	0.000	0.000	0.000		47.1	
Body	NR Band n77 DoD	100	QPSK	3a	Q96KN	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	9.00	8.09	135	138	Left	0	0.000	0.000	1.233	0.000	0.000	0.000		47.1	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-88 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	-0.03	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	1	271	Back	0	0.612	0.199	1.140	0.698	0.227	0.436		11.3	10.7
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	135	69	Back	0	0.606	0.197	1.140	0.691	0.225	0.432		11.4	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	-0.03	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.17	270	0	Back	0	0.630	0.203	1.156	0.728	0.235	0.455		11.2	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	-0.02	3500.01	633334	CP-OFDM	0.0	10.80	10.00	1	1	Back	0	0.679	0.218	1.202	0.816	0.262	0.510	A28	10.7	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	-0.01	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	1	271	Top	0	0.205	0.062	1.140	0.234	0.071	0.146		16.1	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	0.00	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	135	69	Top	0	0.235	0.075	1.140	0.268	0.086	0.168		15.5	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	0.08	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	1	271	Bottom	0	0.003	0.000	1.140	0.003	0.000	0.002		34.4	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	0.04	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	135	69	Bottom	0	0.002	0.000	1.140	0.002	0.000	0.001		36.2	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	0.06	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	1	271	Right	0	0.000	0.000	1.140	0.000	0.000	0.000		49.2	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	0.05	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	135	69	Right	0	0.000	0.000	1.140	0.000	0.000	0.000		49.2	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	-0.02	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	1	271	Left	0	0.482	0.132	1.140	0.549	0.150	0.343		12.4	
Body	NR Band n77 DoD	100	QPSK	4	J9M47	1:1	-0.07	3500.01	633334	DFT-s-OFDM	0.0	10.80	10.23	135	69	Left	0	0.419	0.114	1.140	0.478	0.130	0.299		13.0	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

10.29 NR Band n77 Standalone SAR

Table 10-89 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.03	3750.00	650000	DFT-s-OFDM	0.0	9.90	9.23	1	271	Back	0	0.629	0.169	1.167	0.734	0.197	0.459		10.2	9.6
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	-0.05	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.30	1	1	Back	0	0.664	0.176	1.148	0.762	0.202	0.476		10.1	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	-0.05	3750.00	650000	DFT-s-OFDM	0.0	9.90	9.03	135	69	Back	0	0.633	0.173	1.222	0.774	0.211	0.484		10.0	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	-0.03	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.14	135	0	Back	0	0.673	0.180	1.191	0.802	0.214	0.501		9.8	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.05	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.07	270	0	Back	0	0.705	0.184	1.211	0.854	0.223	0.534		9.6	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.02	3930.00	662000	CP-OFDM	0.0	9.90	9.14	1	1	Back	0	0.657	0.175	1.191	0.782	0.208	0.489		9.9	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.08	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.30	1	1	Top	0	0.000	0.000	1.148	0.000	0.000	0.000		48.3	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.14	135	0	Top	0	0.000	0.000	1.191	0.000	0.000	0.000		48.1	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	-0.03	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.30	1	1	Bottom	0	0.160	0.044	1.148	0.184	0.051	0.115		16.2	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.02	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.14	135	0	Bottom	0	0.152	0.042	1.191	0.181	0.050	0.113		16.3	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.30	1	1	Right	0	0.000	0.000	1.148	0.000	0.000	0.000		48.3	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.06	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.30	135	0	Right	0	0.000	0.000	1.191	0.000	0.000	0.000		48.1	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.08	3750.00	650000	DFT-s-OFDM	0.0	9.90	9.23	1	271	Left	0	0.480	0.127	1.167	0.560	0.148	0.350		11.4	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.30	1	1	Left	0	0.555	0.142	1.148	0.637	0.163	0.398		10.8	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	9.90	9.03	135	69	Left	0	0.522	0.139	1.222	0.638	0.170	0.399		10.8	
Body	NR Band n77	100	QPSK	1a	7NLKV	1:1	0.03	3930.00	662000	DFT-s-OFDM	0.0	9.90	9.14	135	0	Left	0	0.578	0.147	1.191	0.688	0.175	0.430		10.5	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10-90 Antenna 2

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	-0.04	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.40	1	137	Back	0	0.475	0.164	1.445	0.686	0.237	0.429		10.6	10.5
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	0.02	3930.00	662000	DFT-s-OFDM	0.0	10.00	8.29	1	137	Back	0	0.431	0.141	1.483	0.639	0.209	0.399		10.9	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.39	135	69	Back	0	0.451	0.160	1.449	0.653	0.232	0.408		10.8	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	0.02	3930.00	662000	DFT-s-OFDM	0.0	10.00	8.20	135	69	Back	0	0.430	0.139	1.514	0.651	0.210	0.407		10.8	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	0.09	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.40	1	137	Top	0	0.007	0.002	1.445	0.010	0.003	0.006		28.9	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	-0.02	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.39	135	69	Top	0	0.008	0.002	1.449	0.012	0.003	0.008		28.3	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	-0.19	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.40	1	137	Bottom	0	0.150	0.041	1.445	0.217	0.059	0.136		15.6	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	-0.07	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.39	135	69	Bottom	0	0.139	0.036	1.449	0.201	0.052	0.126		15.9	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	-0.09	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.40	1	137	Right	0	0.484	0.133	1.445	0.699	0.192	0.437		10.5	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	0.06	3930.00	662000	DFT-s-OFDM	0.0	10.00	8.29	1	137	Right	0	0.391	0.103	1.483	0.580	0.153	0.363		11.3	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	-0.03	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.39	135	69	Right	0	0.482	0.132	1.449	0.698	0.191	0.436		10.5	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	10.00	8.20	135	69	Right	0	0.385	0.101	1.514	0.583	0.153	0.364		11.3	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	-0.09	3930.00	662000	CP-OFDM	0.0	10.00	8.15	1	1	Right	0	0.456	0.121	1.531	0.698	0.185	0.436		10.5	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.40	1	137	Left	0	0.000	0.000	1.445	0.000	0.000	0.000		47.4	
Body	NR Band n77	100	QPSK	2	0KCF7	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	10.00	8.39	135	69	Left	0	0.000	0.000	1.449	0.000	0.000	0.000		47.4	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-91 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.00	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.97	1	137	Back	0	0.287	0.087	1.268	0.364	0.110	0.228		12.4	8.2
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	-0.03	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.96	135	69	Back	0	0.284	0.085	1.271	0.361	0.108	0.226		12.4	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.03	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.97	1	137	Top	0	0.137	0.036	1.268	0.174	0.046	0.109		15.6	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.12	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.96	135	69	Top	0	0.150	0.040	1.271	0.191	0.051	0.119		15.2	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.09	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.97	1	137	Bottom	0	0.006	0.001	1.268	0.008	0.001	0.005		29.2	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.05	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.96	135	69	Bottom	0	0.005	0.000	1.271	0.006	0.000	0.004		30.0	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	9.00	7.94	1	137	Right	0	0.623	0.170	1.276	0.795	0.217	0.497		9.0	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.03	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.97	1	137	Right	0	0.628	0.173	1.268	0.796	0.219	0.498		9.0	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.03	3750.00	650000	DFT-s-OFDM	0.0	9.00	7.90	135	69	Right	0	0.613	0.167	1.288	0.790	0.215	0.494		9.0	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.04	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.96	135	69	Right	0	0.680	0.180	1.271	0.864	0.229	0.540		8.6	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.05	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.94	270	0	Right	0	0.689	0.183	1.276	0.879	0.234	0.549		8.5	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.04	3930.00	662000	CP-OFDM	0.0	9.00	7.70	1	1	Right	0	0.700	0.186	1.349	0.944	0.251	0.590		8.2	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.97	1	137	Left	0	0.000	0.000	1.268	0.000	0.000	0.000		47.0	
Body	NR Band n77	100	QPSK	3a	Q96KN	1:1	0.05	3930.00	662000	DFT-s-OFDM	0.0	9.00	7.96	135	69	Left	0	0.000	0.000	1.271	0.000	0.000	0.000		46.9	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-92 Antenna 4

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.01	3750.00	650000	DFT-s-OFDM	0.0	10.80	10.17	1	1	Back	0	0.595	0.172	1.156	0.688	0.199	0.430		11.4	10.1
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.03	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.21	1	137	Back	0	0.582	0.185	1.146	0.667	0.212	0.417		11.5	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.03	3750.00	650000	DFT-s-OFDM	0.0	10.80	10.19	135	0	Back	0	0.585	0.172	1.151	0.673	0.198	0.421		11.5	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.02	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.20	135	0	Back	0	0.608	0.194	1.148	0.698	0.223	0.436		11.3	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	0.04	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.21	1	137	Top	0	0.134	0.034	1.146	0.154	0.039	0.096		17.9	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.02	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.20	135	0	Top	0	0.145	0.039	1.148	0.166	0.045	0.104		17.6	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	0.07	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.21	1	137	Bottom	0	0.003	0.000	1.146	0.003	0.000	0.002		34.4	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.20	135	0	Bottom	0	0.003	0.000	1.148	0.003	0.000	0.002		34.4	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.21	1	137	Right	0	0.000	0.000	1.146	0.000	0.000	0.000		49.2	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	0.05	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.20	135	0	Right	0	0.000	0.000	1.148	0.000	0.000	0.000		49.2	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.04	3750.00	650000	DFT-s-OFDM	0.0	10.80	10.17	1	1	Left	0	0.518	0.142	1.156	0.599	0.164	0.374		12.0	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	0.04	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.21	1	137	Left	0	0.808	0.212	1.146	0.926	0.243	0.579	A29	10.1	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.01	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.21	1	137	Left	0	0.770	0.204	1.146	0.882	0.234	0.551		10.3	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	10.80	10.19	135	0	Left	0	0.521	0.138	1.151	0.600	0.159	0.375		12.0	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	0.04	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.20	135	0	Left	0	0.770	0.202	1.148	0.884	0.232	0.553		10.3	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.06	3930.00	662000	DFT-s-OFDM	0.0	10.80	10.19	270	0	Left	0	0.759	0.205	1.151	0.874	0.236	0.546		10.4	
Body	NR Band n77	100	QPSK	4	J9M47	1:1	-0.06	3930.00	662000	CP-OFDM	0.0	10.80	10.22	1	1	Left	0	0.729	0.198	1.143	0.833	0.226	0.521		10.6	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: Blue entry represents variability measurement

10.30 2.4 GHz WIFI SISO Standalone SAR

Table 10-93 Antenna 1a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	0.05	2412	1	1	11.25	10.32	Back	0	V1	0.831	0.308	1.239	1.003	1.033	0.383	0.646	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	0.03	2437	6	1	11.25	10.34	Back	0	V1	0.859	0.314	1.233	1.003	1.062	0.388	0.664	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	20IV6	99.68	0.10	2437	6	1	11.25	10.32	Back	0	V2	0.791	0.283	1.239	1.003	0.983	0.352	0.614	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	0.05	2462	11	1	11.25	10.33	Back	0	V1	0.840	0.303	1.236	1.003	1.041	0.376	0.651	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	-0.19	2437	6	1	11.25	10.34	Top	0	V1	0.006	0.001	1.233	1.003	0.007	0.001	0.004	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	0.00	2437	6	1	11.25	10.34	Bottom	0	V1	0.273	0.085	1.233	1.003	0.338	0.105	0.211	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	0.01	2437	6	1	11.25	10.34	Right	0	V1	0.000	0.000	1.233	1.003	0.000	0.000	0.000	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	0.03	2437	6	1	11.25	10.34	Left	0	V1	0.520	0.197	1.233	1.003	0.643	0.244	0.402	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	0.08	2437	6	1	5.25	4.43	Back	0	V1	0.209	0.073	1.208	1.003	0.253	0.088	0.158	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	-0.02	2437	6	1	5.25	4.43	Bottom	0	V1	0.071	0.021	1.208	1.003	0.086	0.025	0.054	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	1a	HYGFG	99.68	0.02	2437	6	1	5.25	4.43	Left	0	V1	0.173	0.059	1.208	1.003	0.210	0.071	0.131	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-94 Antenna 3a

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	-0.09	2412	1	1	11.00	10.39	Back	0	V2	0.311	0.140	1.151	1.003	0.359	0.162	0.224	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	0.09	2412	1	1	11.00	10.39	Top	0	V2	0.256	0.081	1.151	1.003	0.296	0.094	0.185	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	-0.09	2412	1	1	11.00	10.39	Bottom	0	V2	0.015	0.006	1.151	1.003	0.017	0.007	0.011	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	0.04	2412	1	1	11.00	10.39	Right	0	V2	0.849	0.303	1.151	1.003	0.980	0.350	0.613	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	0.00	2437	6	1	11.00	10.35	Right	0	V2	0.882	0.313	1.161	1.003	1.027	0.364	0.642	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	0.09	2462	11	1	11.00	10.34	Right	0	V2	0.887	0.316	1.164	1.003	1.036	0.369	0.648	A30
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	RRXWW	99.68	0.03	2462	11	1	11.00	10.08	Right	0	V1	0.831	0.296	1.236	1.003	1.030	0.367	0.644	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	0.02	2412	1	1	11.00	10.39	Left	0	V2	0.000	0.000	1.151	1.003	0.000	0.000	0.000	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	-0.20	2462	11	1	5.00	4.03	Back	0	V2	0.073	0.032	1.250	1.003	0.092	0.040	0.058	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	0.02	2462	11	1	5.00	4.03	Top	0	V2	0.061	0.018	1.250	1.003	0.076	0.023	0.048	
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	20IV6	99.68	0.01	2462	11	1	5.00	4.03	Right	0	V2	0.209	0.074	1.250	1.003	0.262	0.093	0.164	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram							

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10.31 5 GHz WIFI SISO Standalone SAR

Table 10-95 UNII-2A Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	-0.13	5290	58	U-NII-2A	29.3	11.00	10.38	Back	0	V1	0.875	0.258	1.153	1.052	1.061	0.313	0.663	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	20IV6	95.04	0.01	5290	58	U-NII-2A	29.3	11.00	10.30	Back	0	V2	0.881	0.261	1.175	1.052	1.089	0.323	0.681	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	20IV6	95.04	0.04	5290	58	U-NII-2A	29.3	11.00	10.30	Top	0	V2	0.000	0.000	1.175	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	20IV6	95.04	0.04	5290	58	U-NII-2A	29.3	11.00	10.30	Bottom	0	V2	0.846	0.201	1.175	1.052	1.046	0.248	0.654	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	20IV6	95.04	0.09	5290	58	U-NII-2A	29.3	11.00	10.30	Right	0	V2	0.011	0.000	1.175	1.052	0.014	0.000	0.009	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	20IV6	95.04	0.13	5290	58	U-NII-2A	29.3	11.00	10.30	Left	0	V2	0.017	0.000	1.175	1.052	0.021	0.000	0.013	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	20IV6	95.04	-0.03	5290	58	U-NII-2A	29.3	5.00	4.15	Back	0	V2	0.221	0.059	1.216	1.052	0.283	0.075	0.177	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	20IV6	95.04	-0.06	5290	58	U-NII-2A	29.3	5.00	4.15	Bottom	0	V2	0.215	0.047	1.216	1.052	0.275	0.060	0.172	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-96 UNII-2A Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	-0.01	5290	58	U-NII-2A	29.3	11.00	10.30	Back	0	V1	0.509	0.172	1.175	1.052	0.629	0.213	0.393	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	JWQMJ	95.04	-0.13	5290	58	U-NII-2A	29.3	11.00	10.03	Top	0	V2	0.752	0.182	1.250	1.052	0.989	0.239	0.618	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.01	5290	58	U-NII-2A	29.3	11.00	10.30	Top	0	V1	0.873	0.209	1.175	1.052	1.079	0.258	0.674	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.08	5290	58	U-NII-2A	29.3	11.00	10.30	Bottom	0	V1	0.000	0.000	1.175	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.07	5290	58	U-NII-2A	29.3	11.00	10.30	Right	0	V1	0.032	0.006	1.175	1.052	0.040	0.007	0.025	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.04	5290	58	U-NII-2A	29.3	11.00	10.30	Left	0	V1	0.013	0.002	1.175	1.052	0.016	0.002	0.010	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.05	5290	58	U-NII-2A	29.3	5.00	3.80	Back	0	V1	0.119	0.036	1.318	1.052	0.165	0.050	0.103	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.07	5290	58	U-NII-2A	29.3	5.00	3.80	Top	0	V1	0.192	0.042	1.318	1.052	0.266	0.058	0.166	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-97 UNII-2A Antenna 5T

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI/ IEEE 802.11n	40	OFDM	5T	HXM56	96.77	-0.17	5270	54	U-NII-2A	13.5	17.50	16.53	Back	0	V1	0.088	0.029	1.250	1.033	0.114	0.037	0.071	
Body	5 GHz WIFI/ IEEE 802.11n	40	OFDM	5T	HXM56	96.77	0.01	5270	54	U-NII-2A	13.5	17.50	16.53	Top	0	V1	0.000	0.000	1.250	1.033	0.000	0.000	0.000	
Body	5 GHz WIFI/ IEEE 802.11n	40	OFDM	5T	HXM56	96.77	0.01	5270	54	U-NII-2A	13.5	17.50	16.53	Bottom	0	V1	0.001	0.000	1.250	1.033	0.001	0.000	0.001	
Body	5 GHz WIFI/ IEEE 802.11n	40	OFDM	5T	OKCF7	96.77	0.19	5270	54	U-NII-2A	13.5	17.50	16.52	Right	0	V2	0.786	0.209	1.253	1.033	1.017	0.271	0.636	
Body	5 GHz WIFI/ IEEE 802.11n	40	OFDM	5T	HXM56	96.77	0.10	5270	54	U-NII-2A	13.5	17.50	16.53	Right	0	V1	0.790	0.212	1.250	1.033	1.020	0.274	0.638	
Body	5 GHz WIFI/ IEEE 802.11n	40	OFDM	5T	HXM56	96.77	0.15	5310	62	U-NII-2A	13.5	17.00	16.29	Right	0	V1	0.764	0.206	1.178	1.033	0.930	0.251	0.581	
Body	5 GHz WIFI/ IEEE 802.11n	40	OFDM	5T	HXM56	96.77	0.01	5270	54	U-NII-2A	13.5	17.50	16.53	Left	0	V1	0.008	0.003	1.250	1.033	0.010	0.004	0.006	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	5T	HXM56	95.04	0.07	5290	58	U-NII-2A	29.3	11.50	10.63	Back	0	V1	0.019	0.007	1.222	1.052	0.024	0.009	0.015	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	5T	HXM56	95.04	0.06	5290	58	U-NII-2A	29.3	11.50	10.63	Right	0	V1	0.169	0.042	1.222	1.052	0.217	0.054	0.136	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-98 UNII-2C Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.10	5530	106	U-NII-2C	29.3	10.50	9.07	Back	0	V1	0.732	0.206	1.390	1.052	1.070	0.301	0.669	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.06	5610	122	U-NII-2C	29.3	10.50	9.17	Back	0	V1	0.676	0.190	1.358	1.052	0.966	0.271	0.604	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	-0.02	5690	138	U-NII-2C	29.3	10.50	8.62	Back	0	V1	0.604	0.191	1.542	1.052	0.980	0.310	0.613	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.01	5610	122	U-NII-2C	29.3	10.50	9.17	Top	0	V1	0.000	0.000	1.358	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.00	5530	106	U-NII-2C	29.3	10.50	9.07	Bottom	0	V1	0.714	0.167	1.390	1.052	1.044	0.244	0.653	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	-0.02	5610	122	U-NII-2C	29.3	10.50	9.17	Bottom	0	V1	0.675	0.154	1.358	1.052	0.964	0.220	0.603	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	YRWVW	95.04	-0.03	5690	138	U-NII-2C	29.3	10.50	8.67	Bottom	0	V2	0.643	0.149	1.524	1.052	1.031	0.239	0.644	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.05	5690	138	U-NII-2C	29.3	10.50	8.62	Bottom	0	V1	0.672	0.156	1.542	1.052	1.090	0.253	0.681	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.06	5610	122	U-NII-2C	29.3	10.50	9.17	Right	0	V1	0.012	0.001	1.358	1.052	0.017	0.001	0.011	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.05	5610	122	U-NII-2C	29.3	10.50	9.17	Left	0	V1	0.037	0.003	1.358	1.052	0.053	0.004	0.033	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.02	5530	106	U-NII-2C	29.3	4.50	3.40	Back	0	V1	0.214	0.058	1.288	1.052	0.290	0.079	0.181	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.15	5530	106	U-NII-2C	29.3	4.50	3.40	Bottom	0	V1	0.234	0.049	1.288	1.052	0.317	0.066	0.198	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-99 UNII-2C Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.03	5610	122	U-NII-2C	29.3	9.75	9.07	Back	0	V1	0.644	0.232	1.169	1.052	0.792	0.285	0.495	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	-0.09	5530	106	U-NII-2C	29.3	9.75	9.01	Top	0	V1	0.763	0.180	1.186	1.052	0.952	0.225	0.595	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	-0.04	5610	122	U-NII-2C	29.3	9.75	9.07	Top	0	V1	0.858	0.204	1.169	1.052	1.055	0.251	0.659	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	YRWVW	95.04	0.07	5610	122	U-NII-2C	29.3	9.75	8.99	Top	0	V2	0.830	0.196	1.191	1.052	1.040	0.246	0.650	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.05	5690	138	U-NII-2C	29.3	9.75	9.05	Top	0	V1	0.830	0.197	1.175	1.052	1.026	0.244	0.641	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.01	5610	122	U-NII-2C	29.3	9.75	9.07	Bottom	0	V1	0.000	0.000	1.169	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.03	5610	122	U-NII-2C	29.3	9.75	9.07	Right	0	V1	0.024	0.002	1.169	1.052	0.030	0.002	0.019	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.06	5610	122	U-NII-2C	29.3	9.75	9.07	Left	0	V1	0.013	0.002	1.169	1.052	0.016	0.002	0.010	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.05	5690	138	U-NII-2C	29.3	3.75	3.00	Back	0	V1	0.149	0.049	1.189	1.052	0.186	0.061	0.116	
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	-0.16	5690	138	U-NII-2C	29.3	3.75	3.00	Top	0	V1	0.188	0.040	1.189	1.052	0.235	0.050	0.147	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

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Table 10-100 UNII-2C Antenna 5T

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.09	5690	138	U-NII-2C	29.3	15.50	14.82	Back	0	V1	0.089	0.033	1.169	1.052	0.109	0.041	0.068	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.03	5690	138	U-NII-2C	29.3	15.50	14.82	Top	0	V1	0.000	0.000	1.169	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.03	5690	138	U-NII-2C	29.3	15.50	14.82	Bottom	0	V1	0.000	0.000	1.169	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.00	5530	106	U-NII-2C	29.3	15.50	14.66	Right	0	V1	0.845	0.230	1.213	1.052	1.078	0.293	0.674	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	-0.03	5610	122	U-NII-2C	29.3	15.50	14.80	Right	0	V1	0.879	0.245	1.175	1.052	1.087	0.303	0.679	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.02	5610	122	U-NII-2C	29.3	15.50	14.80	Right	0	V1	0.839	0.237	1.175	1.052	1.037	0.293	0.648	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.02	5690	138	U-NII-2C	29.3	15.50	14.82	Right	0	V1	0.887	0.252	1.169	1.052	1.091	0.310	0.682	A31
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	20IV6	95.04	0.13	5690	138	U-NII-2C	29.3	15.50	14.62	Right	0	V2	0.786	0.217	1.225	1.052	1.013	0.280	0.633	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.04	5690	138	U-NII-2C	29.3	15.50	14.82	Left	0	V1	0.006	0.000	1.169	1.052	0.007	0.000	0.004	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.08	5690	138	U-NII-2C	29.3	9.50	8.61	Back	0	V1	0.000	0.000	1.227	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.05	5690	138	U-NII-2C	29.3	9.50	8.61	Right	0	V1	0.164	0.043	1.227	1.052	0.212	0.056	0.133	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: Blue entry represents variability measurement

Table 10-101 UNII-3 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	1b	7NLKV	95.04	0.03	5775	155	U-NII-3	29.3	9.75	8.81	Back	0	V2	0.819	0.229	1.242	1.052	1.070	0.299	0.669	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	1b	HXM56	95.04	0.14	5775	155	U-NII-3	29.3	9.75	8.86	Back	0	V1	0.827	0.238	1.227	1.052	1.067	0.307	0.667	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	1b	7NLKV	95.04	0.06	5775	155	U-NII-3	29.3	9.75	8.81	Top	0	V2	0.000	0.000	1.242	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	1b	7NLKV	95.04	-0.14	5775	155	U-NII-3	29.3	9.75	8.81	Bottom	0	V2	0.742	0.171	1.242	1.052	0.969	0.223	0.606	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	1b	7NLKV	95.04	0.09	5775	155	U-NII-3	29.3	9.75	8.81	Right	0	V2	0.010	0.000	1.242	1.052	0.013	0.000	0.008	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	1b	7NLKV	95.04	0.02	5775	155	U-NII-3	29.3	9.75	8.81	Left	0	V2	0.014	0.000	1.242	1.052	0.018	0.000	0.011	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	1b	7NLKV	95.04	0.21	5775	155	U-NII-3	29.3	3.75	2.70	Back	0	V2	0.135	0.031	1.274	1.052	0.181	0.042	0.113	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	1b	7NLKV	95.04	0.07	5775	155	U-NII-3	29.3	3.75	2.70	Bottom	0	V2	0.116	0.020	1.274	1.052	0.155	0.027	0.097	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-102 UNII-3 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	-0.15	5775	155	U-NII-3	29.3	10.50	9.20	Back	0	V1	0.642	0.225	1.349	1.052	0.911	0.319	0.569	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	-0.04	5775	155	U-NII-3	29.3	10.50	9.20	Top	0	V1	0.757	0.179	1.349	1.052	1.074	0.254	0.671	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	3b	YRWVW	95.04	-0.02	5775	155	U-NII-3	29.3	10.50	9.16	Top	0	V2	0.743	0.174	1.361	1.052	1.064	0.249	0.665	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.03	5775	155	U-NII-3	29.3	10.50	9.20	Bottom	0	V1	0.000	0.000	1.349	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.01	5775	155	U-NII-3	29.3	10.50	9.20	Right	0	V1	0.033	0.006	1.349	1.052	0.047	0.009	0.029	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	0.04	5775	155	U-NII-3	29.3	10.50	9.20	Left	0	V1	0.019	0.002	1.349	1.052	0.027	0.003	0.017	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	-0.13	5775	155	U-NII-3	29.3	4.50	3.49	Back	0	V1	0.158	0.054	1.262	1.052	0.210	0.072	0.131	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	3b	HXM56	95.04	-0.21	5775	155	U-NII-3	29.3	4.50	3.49	Top	0	V1	0.173	0.033	1.262	1.052	0.230	0.044	0.144	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 10-103 UNII-3 Antenna 5T

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.05	5775	155	U-NII-3	29.3	15.25	14.47	Back	0	V1	0.116	0.041	1.197	1.052	0.146	0.052	0.091	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.03	5775	155	U-NII-3	29.3	15.25	14.47	Top	0	V1	0.000	0.000	1.197	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.03	5775	155	U-NII-3	29.3	15.25	14.47	Bottom	0	V1	0.000	0.000	1.197	1.052	0.000	0.000	0.000	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	YRWVW	95.04	0.14	5775	155	U-NII-3	29.3	15.25	14.41	Right	0	V2	0.850	0.245	1.213	1.052	1.085	0.313	0.678	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.07	5775	155	U-NII-3	29.3	15.25	14.47	Right	0	V1	0.864	0.244	1.197	1.052	1.088	0.307	0.680	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.06	5775	155	U-NII-3	29.3	15.25	14.47	Left	0	V1	0.006	0.001	1.197	1.052	0.008	0.001	0.005	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	0.08	5775	155	U-NII-3	29.3	9.25	8.23	Back	0	V1	0.006	0.002	1.265	1.052	0.008	0.003	0.005	
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	5T	XTVPF	95.04	-0.05	5775	155	U-NII-3	29.3	9.25	8.23	Right	0	V1	0.176	0.047	1.265	1.052	0.234	0.063	0.146	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram										

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10.32 6 GHz WIFI SISO Standalone SAR and APD

Table 10-104 Antenna 1b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	-0.08	6665	143	68.1	11.25	10.35	Back	0	V1	0.603	0.199	1.230	1.023	0.759	0.250	0.474	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.03	6665	143	68.1	11.25	10.35	Top	0	V1	0.000	0.000	1.230	1.023	0.000	0.000	0.000	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	-0.10	6025	15	68.1	10.00	9.83	Bottom	0	V1	0.831	0.199	1.040	1.023	0.884	0.212	0.553	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.10	6345	79	68.1	10.75	10.42	Bottom	0	V1	0.908	0.217	1.079	1.023	1.002	0.240	0.626	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.06	6505	111	68.1	10.75	10.68	Bottom	0	V1	0.999	0.240	1.016	1.023	1.038	0.249	0.649	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.10	6505	111	68.1	10.75	10.68	Bottom	0	V1	1.040	0.248	1.016	1.023	1.081	0.258	0.676	A32
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	Q91JW	97.74	0.09	6505	111	68.1	10.75	10.66	Bottom	0	V2	0.971	0.230	1.021	1.023	1.014	0.240	0.634	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.05	6665	143	68.1	11.25	10.35	Bottom	0	V1	0.710	0.169	1.230	1.023	0.893	0.213	0.558	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.16	6985	207	68.1	10.25	10.06	Bottom	0	V1	0.537	0.129	1.045	1.023	0.574	0.138	0.359	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.04	6665	143	68.1	11.25	10.35	Right	0	V1	0.000	0.000	1.230	1.023	0.000	0.000	0.000	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.03	6665	143	68.1	11.25	10.35	Left	0	V1	0.030	0.006	1.230	1.023	0.038	0.008	0.024	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	-0.13	6985	207	68.1	6.00	5.10	Back	0	V1	0.154	0.047	1.230	1.023	0.194	0.059	0.121	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	-0.10	6985	207	68.1	6.00	5.10	Bottom	0	V1	0.168	0.037	1.230	1.023	0.211	0.047	0.132	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram							

Note: Blue entry represents variability measurement

Table 10-105 Absorbed Power Density Data - Antenna 1b

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Adjusted APD [W/m² (4cm²)]	APD Exposure Ratio
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	-0.08	6665	143	68.1	11.25	10.35	Back	0	V1	4.520	1.230	1.023	5.687	5.687	0.284
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.03	6665	143	68.1	11.25	10.35	Top	0	V1	0.002	1.230	1.023	0.003	0.003	0.000
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	-0.10	6025	15	68.1	10.00	9.83	Bottom	0	V1	4.640	1.040	1.023	4.937	4.937	0.247
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.10	6345	79	68.1	10.75	10.42	Bottom	0	V1	5.050	1.079	1.023	5.574	5.574	0.279
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.06	6505	111	68.1	10.75	10.68	Bottom	0	V1	5.570	1.016	1.023	5.789	5.789	0.289
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.10	6505	111	68.1	10.75	10.68	Bottom	0	V1	5.780	1.016	1.023	6.008	6.008	0.300
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	Q91JW	97.74	0.09	6505	111	68.1	10.75	10.66	Bottom	0	V2	5.380	1.021	1.023	5.619	5.619	0.281
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.05	6665	143	68.1	11.25	10.35	Bottom	0	V1	3.940	1.230	1.023	4.958	4.958	0.248
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.16	6985	207	68.1	10.25	10.06	Bottom	0	V1	2.980	1.045	1.023	3.186	3.186	0.159
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.04	6665	143	68.1	11.25	10.35	Right	0	V1	0.005	1.230	1.023	0.006	0.006	0.000
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	0.03	6665	143	68.1	11.25	10.35	Left	0	V1	0.132	1.230	1.023	0.166	0.166	0.008
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	-0.13	6985	207	68.1	6.00	5.10	Back	0	V1	1.080	1.230	1.023	1.359	1.359	0.068
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	1b	27WT9	97.74	-0.10	6985	207	68.1	6.00	5.10	Bottom	0	V1	0.869	1.230	1.023	1.093	1.093	0.055

Table 10-106 Antenna 3b

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.01	6665	143	68.1	14.75	13.60	Back	0	V1	0.529	0.193	1.303	1.023	0.705	0.257	0.441	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.04	6025	15	68.1	11.50	11.20	Top	0	V1	0.884	0.223	1.072	1.023	0.969	0.245	0.606	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.06	6345	79	68.1	14.00	12.68	Top	0	V1	0.765	0.193	1.355	1.023	1.060	0.268	0.663	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	Q91JW	97.74	-0.11	6345	79	68.1	14.00	12.60	Top	0	V2	0.658	0.167	1.380	1.023	0.929	0.236	0.581	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.13	6505	111	68.1	12.50	11.37	Top	0	V1	0.596	0.152	1.297	1.023	0.791	0.202	0.494	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.20	6665	143	68.1	14.75	13.60	Top	0	V1	0.746	0.189	1.303	1.023	0.994	0.252	0.621	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.04	6985	207	68.1	12.00	11.16	Top	0	V1	0.508	0.133	1.213	1.023	0.630	0.165	0.394	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.01	6665	143	68.1	14.75	13.60	Bottom	0	V1	0.000	0.000	1.303	1.023	0.000	0.000	0.000	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.02	6665	143	68.1	14.75	13.60	Right	0	V1	0.052	0.010	1.303	1.023	0.069	0.013	0.043	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.02	6665	143	68.1	14.75	13.60	Left	0	V1	0.013	0.000	1.303	1.023	0.017	0.000	0.011	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.01	6665	143	68.1	9.00	8.33	Back	0	V1	0.179	0.063	1.167	1.023	0.214	0.075	0.134	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.14	6665	143	68.1	9.00	8.33	Top	0	V1	0.247	0.061	1.167	1.023	0.295	0.073	0.184	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram							

Table 10-107 Absorbed Power Density Data - Antenna 3b

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Adjusted APD [W/m² (4cm²)]	APD Exposure Ratio
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.01	6665	143	68.1	14.75	13.60	Back	0	V1	4.320	1.303	1.023	5.758	5.758	0.288
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.04	6025	15	68.1	11.50	11.20	Top	0	V1	5.150	1.072	1.023	5.648	5.648	0.282
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.06	6345	79	68.1	14.00	12.68	Top	0	V1	4.460	1.355	1.023	6.182	6.182	0.309
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	Q91JW	97.74	-0.11	6345	79	68.1	14.00	12.60	Top	0	V2	3.840	1.380	1.023	5.421	5.421	0.271
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.13	6505	111	68.1	12.50	11.37	Top	0	V1	3.480	1.297	1.023	4.617	4.617	0.231
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.20	6665	143	68.1	14.75	13.60	Top	0	V1	4.330	1.303	1.023	5.772	5.772	0.289
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.04	6985	207	68.1	12.00	11.16	Top	0	V1	3.030	1.213	1.023	3.760	3.760	0.188
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.01	6665	143	68.1	14.75	13.60	Bottom	0	V1	0.005	1.303	1.023	0.007	0.007	0.000
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.02	6665	143	68.1	14.75	13.60	Right	0	V1	0.237	1.303	1.023	0.316	0.316	0.016
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	0.02	6665	143	68.1	14.75	13.60	Left	0	V1	0.025	1.303	1.023	0.033	0.033	0.002
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.01	6665	143	68.1	9.00	8.33	Back	0	V1	1.410	1.167	1.023	1.683	1.683	0.084
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	3b	J9M47	97.74	-0.14	6665	143	68.1	9.00	8.33	Top	0	V1	1.390	1.167	1.023	1.659	1.659	0.083

Table 10-108 Antenna 5T

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	-0.16	6025	15	68.1	12.75	12.55	Back	0	V2	0.054	0.024	1.047	1.023	0.058	0.026	0.036	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.05	6025	15	68.1	12.75	12.55	Top	0	V2	0.000	0.000	1.047	1.023	0.000	0.000	0.000	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.01	6025	15	68.1	12.75	12.55	Bottom	0	V2	0.002	0.001	1.047	1.023	0.002	0.001	0.001	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.02	6025	15	68.1	12.75	12.55	Right	0	V2	0.642	0.186	1.047	1.023	0.688	0.199	0.430	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	-0.03	6345	79	68.1	12.50	11.77	Right	0	V2	0.642	0.192	1.183	1.023	0.777	0.232	0.486	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	-0.11	6505	111	68.1	12.50	11.97	Right	0	V2	0.667	0.200	1.130	1.023	0.771	0.231	0.482	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.04	6665	143	68.1	12.25	11.68	Right	0	V2	0.733	0.202	1.140	1.023	0.855	0.236	0.534	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	-0.03	6985	207	68.1	12.00	11.86	Right	0	V2	0.852	0.260	1.033	1.023	0.900	0.275	0.563	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	J9M47	97.74	-0.04	6985	207	68.1	12.00	11.86	Right	0	V1	0.738	0.225	1.033	1.023	0.780	0.238	0.488	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.08	6025	15	68.1	12.75	12.55	Left	0	V2	0.008	0.001	1.047	1.023	0.009	0.001	0.006	
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.04	6025	15	68.1	8.25	7.18	Right	0	V2	0.196	0.054	1.279	1.023	0.256	0.071	0.160	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram							

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Table 10-109 Absorbed Power Density Data - Antenna 5T

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Adjusted APD [W/m² (4cm²)]	APD Exposure Ratio
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	-0.16	6025	15	68.1	12.75	12.55	Back	0	V2	0.514	1.047	1.023	0.551	0.551	0.028
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.05	6025	15	68.1	12.75	12.55	Top	0	V2	0.003	1.047	1.023	0.003	0.003	0.000
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.01	6025	15	68.1	12.75	12.55	Bottom	0	V2	0.027	1.047	1.023	0.029	0.029	0.001
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.02	6025	15	68.1	12.75	12.55	Right	0	V2	4.230	1.047	1.023	4.531	4.531	0.227
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	-0.03	6345	79	68.1	12.50	11.77	Right	0	V2	4.370	1.183	1.023	5.289	5.289	0.264
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	-0.11	6505	111	68.1	12.50	11.97	Right	0	V2	4.570	1.130	1.023	5.283	5.283	0.264
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.04	6665	143	68.1	12.25	11.68	Right	0	V2	4.760	1.140	1.023	5.551	5.551	0.278
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	-0.03	6985	207	68.1	12.00	11.86	Right	0	V2	5.930	1.033	1.023	6.267	6.267	0.313
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	J9M47	97.74	-0.04	6985	207	68.1	12.00	11.86	Right	0	V1	5.120	1.033	1.023	5.411	5.411	0.271
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.08	6025	15	68.1	12.75	12.55	Left	0	V2	0.031	1.047	1.023	0.033	0.033	0.002
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	5T	YRWVW	97.74	0.04	6025	15	68.1	8.25	7.18	Right	0	V2	1.230	1.279	1.023	1.609	1.609	0.080

10.33 2.4 GHz Bluetooth SISO Standalone SAR

Table 10-110 Antenna 1a

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	-0.07	2402	0	1	12.50	10.96	Back	0	V1	0.759	0.272	1.426	1.007	1.090	0.391	0.681	
Body	2.4 GHz Bluetooth	FHSS	1a	7NLKV	76.97	0.15	2402	0	1	12.50	10.52	Back	0	V2	0.678	0.269	1.578	1.007	1.077	0.427	0.673	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.00	2441	39	1	12.50	11.02	Back	0	V1	0.691	0.246	1.406	1.007	0.978	0.348	0.611	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.04	2480	78	1	12.50	10.88	Back	0	V1	0.741	0.263	1.452	1.007	1.083	0.385	0.677	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.08	2441	39	1	12.50	11.02	Top	0	V1	0.005	0.002	1.406	1.007	0.007	0.003	0.004	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.20	2441	39	1	12.50	11.02	Bottom	0	V1	0.214	0.068	1.406	1.007	0.303	0.096	0.189	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.07	2441	39	1	12.50	11.02	Right	0	V1	0.000	0.000	1.406	1.007	0.000	0.000	0.000	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	-0.07	2402	0	1	12.50	10.96	Left	0	V1	0.584	0.201	1.426	1.007	0.839	0.289	0.524	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.02	2441	39	1	12.50	11.02	Left	0	V1	0.673	0.228	1.406	1.007	0.953	0.323	0.596	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	-0.01	2480	78	1	12.50	10.88	Left	0	V1	0.742	0.247	1.452	1.007	1.085	0.361	0.678	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.01	2480	78	1	8.00	7.41	Back	0	V1	0.328	0.117	1.146	1.007	0.378	0.135	0.236	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.03	2480	78	1	8.00	7.41	Bottom	0	V1	0.084	0.025	1.146	1.007	0.097	0.029	0.061	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.11	2480	78	1	8.00	7.41	Left	0	V1	0.296	0.101	1.146	1.007	0.342	0.117	0.214	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	-0.14	2480	78	1	5.50	4.51	Back	0	V1	0.172	0.060	1.256	1.007	0.218	0.076	0.136	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	-0.19	2480	78	1	5.50	4.51	Bottom	0	V1	0.043	0.013	1.256	1.007	0.054	0.016	0.034	
Body	2.4 GHz Bluetooth	FHSS	1a	HYGFG	76.97	0.00	2480	78	1	5.50	4.51	Left	0	V1	0.154	0.052	1.256	1.007	0.195	0.066	0.122	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-111 Antenna 3a

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.02	2441	39	1	12.00	11.58	Back	0	V1	0.498	0.226	1.102	1.008	0.553	0.251	0.346	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.02	2441	39	1	12.00	11.58	Top	0	V1	0.345	0.111	1.102	1.008	0.383	0.123	0.239	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.06	2441	39	1	12.00	11.58	Bottom	0	V1	0.002	0.000	1.102	1.008	0.002	0.000	0.001	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.01	2402	0	1	12.00	11.25	Right	0	V1	0.905	0.327	1.189	1.008	1.085	0.392	0.678	
Body	2.4 GHz Bluetooth	FHSS	3a	20JV6	76.88	0.04	2402	0	1	12.00	11.26	Right	0	V2	0.876	0.314	1.186	1.008	1.047	0.375	0.654	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.02	2441	39	1	12.00	11.58	Right	0	V1	0.972	0.350	1.102	1.008	1.080	0.389	0.675	A33
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	-0.03	2480	78	1	12.00	11.07	Right	0	V1	0.780	0.277	1.239	1.008	0.974	0.346	0.609	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.03	2441	39	1	12.00	11.58	Left	0	V1	0.000	0.000	1.102	1.008	0.000	0.000	0.000	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	-0.07	2480	78	1	7.50	7.02	Back	0	V1	0.115	0.050	1.117	1.008	0.129	0.056	0.081	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	-0.04	2480	78	1	7.50	7.02	Top	0	V1	0.107	0.034	1.117	1.008	0.120	0.038	0.075	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.04	2480	78	1	7.50	7.02	Right	0	V1	0.249	0.089	1.117	1.008	0.280	0.100	0.175	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.15	2480	78	1	5.00	4.47	Back	0	V1	0.063	0.027	1.130	1.008	0.072	0.031	0.045	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.05	2480	78	1	5.00	4.47	Top	0	V1	0.054	0.016	1.130	1.008	0.062	0.018	0.039	
Body	2.4 GHz Bluetooth	FHSS	3a	J9M47	76.88	0.04	2480	78	1	5.00	4.47	Right	0	V1	0.140	0.049	1.130	1.008	0.159	0.056	0.099	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

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10.34 802.15.4 Standalone SAR

Table 10-112 Antenna 1a

Exposure	Band / Mode	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	802.15.4	1a	HYGFG	0.04	2405	11	1	12.50	11.21	Back	0	V1	1.270	0.457	1.346	1.026	0.369	0.641	
Body	802.15.4	1a	PY2L1	0.06	2405	11	1	12.50	11.10	Back	0	V2	1.090	0.391	1.380	0.903	0.324	0.564	
Body	802.15.4	1a	HYGFG	0.02	2440	18	1	12.50	11.05	Back	0	V1	1.130	0.402	1.396	0.946	0.337	0.591	
Body	802.15.4	1a	HYGFG	0.02	2475	25	1	12.50	11.37	Back	0	V1	0.824	0.291	1.297	0.641	0.226	0.401	
Body	802.15.4	1a	HYGFG	-0.05	2475	25	1	12.50	11.37	Top	0	V1	0.005	0.002	1.297	0.004	0.002	0.003	
Body	802.15.4	1a	HYGFG	-0.02	2475	25	1	12.50	11.37	Bottom	0	V1	0.359	0.112	1.297	0.279	0.087	0.174	
Body	802.15.4	1a	HYGFG	0.02	2475	25	1	12.50	11.37	Right	0	V1	0.000	0.000	1.297	0.000	0.000	0.000	
Body	802.15.4	1a	HYGFG	0.02	2405	11	1	12.50	11.21	Left	0	V1	0.824	0.280	1.346	0.665	0.226	0.416	
Body	802.15.4	1a	HYGFG	-0.01	2440	18	1	12.50	11.05	Left	0	V1	0.854	0.288	1.396	0.715	0.241	0.447	
Body	802.15.4	1a	HYGFG	-0.02	2475	25	1	12.50	11.37	Left	0	V1	1.170	0.391	1.297	0.910	0.304	0.569	
Body	802.15.4	1a	HYGFG	0.06	2475	25	1	8.00	7.20	Back	0	V1	0.452	0.155	1.202	0.326	0.112	0.204	
Body	802.15.4	1a	HYGFG	0.01	2475	25	1	8.00	7.20	Bottom	0	V1	0.117	0.037	1.202	0.084	0.027	0.053	
Body	802.15.4	1a	HYGFG	0.03	2475	25	1	8.00	7.20	Left	0	V1	0.422	0.144	1.202	0.304	0.104	0.190	
Body	802.15.4	1a	HYGFG	-0.02	2475	25	1	5.50	4.77	Back	0	V1	0.241	0.086	1.183	0.171	0.061	0.107	
Body	802.15.4	1a	HYGFG	0.13	2475	25	1	5.50	4.77	Bottom	0	V1	0.068	0.021	1.183	0.048	0.015	0.030	
Body	802.15.4	1a	HYGFG	0.02	2475	25	1	5.50	4.77	Left	0	V1	0.233	0.079	1.183	0.165	0.056	0.103	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Body 1.6 W/kg (mW/g) averaged over 1 gram									

Note: Manufacturer declared that maximum source-based duty cycle of 802.15.4 mode is permanently limited to 60%. SAR measurement for 802.15.4 is evaluated at higher duty cycle of 100% and scaled down to 60%.

Table 10-113 Antenna 3a

Exposure	Band / Mode	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	802.15.4	3a	J9M47	0.01	2440	18	1	12.50	11.78	Back	0	V1	0.435	0.191	1.180	0.308	0.135	0.193	
Body	802.15.4	3a	J9M47	-0.06	2440	18	1	12.50	11.78	Top	0	V1	0.514	0.165	1.180	0.364	0.117	0.228	
Body	802.15.4	3a	J9M47	0.04	2440	18	1	12.50	11.78	Bottom	0	V1	0.030	0.013	1.180	0.021	0.009	0.013	
Body	802.15.4	3a	20JV6	0.03	2405	11	1	12.50	11.10	Right	0	V2	1.170	0.405	1.380	0.969	0.335	0.606	
Body	802.15.4	3a	J9M47	0.05	2405	11	1	12.50	11.20	Right	0	V1	1.260	0.433	1.349	1.020	0.350	0.638	
Body	802.15.4	3a	J9M47	0.00	2440	18	1	12.50	11.78	Right	0	V1	1.420	0.484	1.180	1.005	0.343	0.628	A34
Body	802.15.4	3a	J9M47	0.03	2440	18	1	12.50	11.78	Right	0	V1	1.410	0.483	1.180	0.998	0.342	0.624	
Body	802.15.4	3a	J9M47	0.20	2475	25	1	12.50	11.03	Right	0	V1	1.160	0.394	1.403	0.976	0.332	0.610	
Body	802.15.4	3a	J9M47	0.02	2440	18	1	12.50	11.78	Left	0	V1	0.002	0.000	1.180	0.001	0.000	0.001	
Body	802.15.4	3a	J9M47	-0.10	2475	25	1	8.00	7.06	Back	0	V1	0.126	0.054	1.242	0.094	0.040	0.059	
Body	802.15.4	3a	J9M47	-0.07	2475	25	1	8.00	7.06	Top	0	V1	0.137	0.041	1.242	0.102	0.031	0.064	
Body	802.15.4	3a	J9M47	-0.03	2475	25	1	8.00	7.06	Right	0	V1	0.457	0.160	1.242	0.341	0.119	0.213	
Body	802.15.4	3a	J9M47	0.09	2475	25	1	5.50	5.11	Back	0	V1	0.070	0.032	1.094	0.046	0.021	0.029	
Body	802.15.4	3a	J9M47	-0.07	2475	25	1	5.50	5.11	Top	0	V1	0.095	0.028	1.094	0.062	0.018	0.039	
Body	802.15.4	3a	J9M47	0.01	2475	25	1	5.50	5.11	Right	0	V1	0.263	0.093	1.094	0.173	0.061	0.108	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Body 1.6 W/kg (mW/g) averaged over 1 gram									

Note: Blue entry represents variability measurement

Note: Manufacturer declared that maximum source-based duty cycle of 802.15.4 mode is permanently limited to 60%. SAR measurement for 802.15.4 is evaluated at higher duty cycle of 100% and scaled down to 60%.

10.35 5 GHz NB U-NII 1 Standalone SAR

Table 10-114 Antenna 1b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	0.05	5245	High	4	10.50	9.44	Back	0	V2	0.629	0.186	1.276	1.013	0.813	0.240	0.508	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	0.00	5162	Low	4	10.50	9.23	Back	0	V2	0.601	0.179	1.340	1.013	0.816	0.243	0.510	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	0.12	5204	Mid	4	10.50	9.38	Back	0	V2	0.644	0.188	1.294	1.013	0.844	0.246	0.528	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	0.02	5245	High	4	10.50	9.44	Top	0	V2	0.000	0.000	1.276	1.013	0.000	0.000	0.000	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	-0.07	5245	High	4	10.50	9.44	Bottom	0	V2	0.673	0.169	1.276	1.013	0.870	0.218	0.544	
Body	NB U-NII 1	FHSS	1b	L4HWV	76.50	0.06	5245	High	4	10.50	9.85	Bottom	0	V1	0.639	0.158	1.161	1.013	0.752	0.186	0.470	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	0.15	5162	Low	4	10.50	9.23	Bottom	0	V2	0.619	0.154	1.340	1.013	0.840	0.209	0.525	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	-0.07	5204	Mid	4	10.50	9.38	Bottom	0	V2	0.642	0.158	1.294	1.013	0.842	0.207	0.526	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	0.07	5245	High	4	10.50	9.44	Right	0	V2	0.005	0.000	1.276	1.013	0.006	0.000	0.004	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.50	0.03	5245	High	4	10.50	9.44	Left	0	V2	0.016	0.002	1.276	1.013	0.021	0.003	0.013	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.92	-0.13	5245	High	1	7.00	6.35	Back	0	V2	0.297	0.087	1.161	1.008	0.347	0.102	0.217	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.92	-0.13	5245	High	1	7.00	6.35	Bottom	0	V2	0.314	0.076	1.161	1.008	0.367	0.089	0.229	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.92	0.05	5245	High	1	4.50	4.25	Back	0	V2	0.116	0.033	1.059	1.008	0.124	0.035	0.078	
Body	NB U-NII 1	FHSS	1b	M4TNW	76.92	0.03	5245	High	1	4.50	4.25	Bottom	0	V2	0.153	0.035	1.059	1.008	0.163	0.037	0.102	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

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Table 10-115 Antenna 3b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NB U-NII 1	FHSS	3b	HXM56	76.50	-0.16	5162	Low	4	11.50	10.94	Back	0	V1	0.410	0.129	1.138	1.013	0.473	0.149	0.296	
Body	NB U-NII 1	FHSS	3b	HXM56	76.50	0.08	5245	High	4	11.50	10.86	Top	0	V1	0.873	0.218	1.159	1.013	1.025	0.256	0.641	
Body	NB U-NII 1	FHSS	3b	HXM56	76.50	-0.16	5245	High	4	11.50	10.86	Top	0	V1	0.931	0.233	1.159	1.013	1.093	0.274	0.683	
Body	NB U-NII 1	FHSS	3b	20JV6	76.50	-0.03	5245	High	4	11.50	10.50	Top	0	V2	0.794	0.198	1.259	1.013	1.013	0.253	0.633	
Body	NB U-NII 1	FHSS	3b	HXM56	76.50	0.04	5162	Low	4	11.50	10.94	Top	0	V1	0.767	0.192	1.138	1.013	0.884	0.221	0.553	
Body	NB U-NII 1	FHSS	3b	HXM56	76.50	-0.06	5204	Mid	4	11.50	10.88	Top	0	V1	0.826	0.208	1.153	1.013	0.965	0.243	0.603	
Body	NB U-NII 1	FHSS	3b	HXM56	76.50	0.04	5162	Low	4	11.50	10.94	Bottom	0	V1	0.001	0.000	1.138	1.013	0.001	0.000	0.001	
Body	NB U-NII 1	FHSS	3b	HXM56	76.50	0.11	5162	Low	4	11.50	10.94	Right	0	V1	0.038	0.008	1.138	1.013	0.044	0.009	0.028	
Body	NB U-NII 1	FHSS	3b	HXM56	76.50	-0.15	5162	Low	4	11.50	10.94	Left	0	V1	0.011	0.000	1.138	1.013	0.013	0.000	0.008	
Body	NB U-NII 1	FHSS	3b	HXM56	77.14	-0.01	5245	High	1	7.00	5.99	Back	0	V1	0.116	0.033	1.262	1.005	0.147	0.042	0.092	
Body	NB U-NII 1	FHSS	3b	HXM56	77.14	0.00	5245	High	1	7.00	5.99	Top	0	V1	0.226	0.055	1.262	1.005	0.287	0.070	0.179	
Body	NB U-NII 1	FHSS	3b	HXM56	77.14	0.07	5162	Low	1	4.50	2.87	Back	0	V1	0.040	0.011	1.455	1.005	0.058	0.016	0.036	
Body	NB U-NII 1	FHSS	3b	HXM56	77.14	0.09	5162	Low	1	4.50	2.87	Top	0	V1	0.092	0.020	1.455	1.005	0.134	0.029	0.084	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: Blue entry represents variability measurement

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-116 Antenna 5T

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NB U-NII 1	FHSS	5T	RRXWW	76.50	-0.09	5162	Low	4	12.50	11.62	Back	0	V1	0.021	0.007	1.225	1.013	0.026	0.009	0.016	
Body	NB U-NII 1	FHSS	5T	RRXWW	76.50	0.08	5162	Low	4	12.50	11.62	Top	0	V1	0.000	0.000	1.225	1.013	0.000	0.000	0.000	
Body	NB U-NII 1	FHSS	5T	RRXWW	76.50	0.02	5162	Low	4	12.50	11.62	Bottom	0	V1	0.000	0.000	1.225	1.013	0.000	0.000	0.000	
Body	NB U-NII 1	FHSS	5T	RRXWW	76.50	0.12	5162	Low	4	12.50	11.62	Right	0	V1	0.143	0.038	1.225	1.013	0.177	0.047	0.111	
Body	NB U-NII 1	FHSS	5T	20JV6	76.50	0.07	5162	Low	4	12.50	11.35	Right	0	V2	0.135	0.033	1.303	1.013	0.178	0.044	0.111	
Body	NB U-NII 1	FHSS	5T	RRXWW	76.50	0.03	5162	Low	4	12.50	11.62	Left	0	V1	0.000	0.000	1.225	1.013	0.000	0.000	0.000	
Body	NB U-NII 1	FHSS	5T	20JV6	76.50	-0.16	5204	Mid	4	12.00	10.84	Right	0	V2	0.124	0.033	1.306	1.013	0.164	0.044	0.103	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

10.36 5 GHz NB U-NII 3 Standalone SAR

Table 10-117 Antenna 1b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	-0.03	5844	High	1	11.00	10.30	Back	0	V2	0.903	0.273	1.175	1.007	1.068	0.323	0.668	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	-0.13	5844	High	1	11.00	10.30	Back	0	V2	0.850	0.255	1.175	1.007	1.006	0.302	0.629	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	-0.08	5733	Low	1	11.00	10.59	Back	0	V2	0.731	0.221	1.099	1.007	0.809	0.245	0.506	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	-0.16	5789	Mid	1	11.00	10.91	Back	0	V2	1.060	0.323	1.021	1.007	1.090	0.332	0.681	A35
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	0.01	5789	Mid	1	11.00	10.91	Back	0	V2	1.060	0.322	1.021	1.007	1.090	0.331	0.681	
Body	NB U-NII 3	FHSS	1b	J9M47	76.97	0.03	5789	Mid	1	11.00	10.49	Back	0	V1	0.951	0.285	1.125	1.007	1.077	0.323	0.673	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	0.08	5789	Mid	1	11.00	10.91	Top	0	V2	0.000	0.000	1.021	1.007	0.000	0.000	0.000	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	-0.05	5844	High	1	11.00	10.30	Bottom	0	V2	0.858	0.207	1.175	1.007	1.015	0.245	0.634	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	-0.07	5733	Low	1	11.00	10.59	Bottom	0	V2	0.679	0.159	1.099	1.007	0.751	0.176	0.469	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	0.03	5789	Mid	1	11.00	10.91	Bottom	0	V2	0.869	0.209	1.021	1.007	0.893	0.215	0.558	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	0.01	5789	Mid	1	11.00	10.91	Right	0	V2	0.015	0.002	1.021	1.007	0.015	0.002	0.009	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	0.04	5789	Mid	1	11.00	10.91	Left	0	V2	0.040	0.007	1.021	1.007	0.041	0.007	0.026	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	-0.10	5789	Mid	1	6.50	5.54	Back	0	V2	0.321	0.093	1.247	1.007	0.403	0.117	0.252	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	0.06	5789	Mid	1	6.50	5.54	Bottom	0	V2	0.262	0.062	1.247	1.007	0.329	0.078	0.206	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	-0.13	5789	Mid	1	4.00	3.44	Back	0	V2	0.189	0.051	1.138	1.007	0.217	0.058	0.136	
Body	NB U-NII 3	FHSS	1b	7NLKV	76.97	0.16	5789	Mid	1	4.00	3.44	Bottom	0	V2	0.154	0.033	1.138	1.007	0.176	0.038	0.110	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: Blue entry represents variability measurement

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

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Table 10-118 Antenna 3b

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NB U-NII 3	FHSS	3b	YRWVW	76.97	-0.14	5733	Low	1	11.50	11.11	Back	0	V2	0.684	0.240	1.094	1.007	0.753	0.264	0.471	
Body	NB U-NII 3	FHSS	3b	YRWVW	76.97	0.04	5844	High	1	11.50	10.98	Top	0	V2	0.886	0.220	1.127	1.007	1.005	0.250	0.628	
Body	NB U-NII 3	FHSS	3b	YRWVW	76.97	-0.02	5733	Low	1	11.50	11.11	Top	0	V2	0.976	0.243	1.094	1.007	1.075	0.268	0.672	
Body	NB U-NII 3	FHSS	3b	HXM56	76.97	-0.03	5733	Low	1	11.50	11.32	Top	0	V1	1.040	0.263	1.042	1.007	1.091	0.276	0.682	
Body	NB U-NII 3	FHSS	3b	YRWVW	76.97	-0.05	5789	Mid	1	11.50	11.03	Top	0	V2	0.909	0.227	1.114	1.007	1.020	0.255	0.638	
Body	NB U-NII 3	FHSS	3b	YRWVW	76.97	0.05	5733	Low	1	11.50	11.11	Bottom	0	V2	0.000	0.000	1.094	1.007	0.000	0.000	0.000	
Body	NB U-NII 3	FHSS	3b	YRWVW	76.97	0.08	5733	Low	1	11.50	11.11	Right	0	V2	0.032	0.004	1.094	1.007	0.035	0.004	0.022	
Body	NB U-NII 3	FHSS	3b	YRWVW	76.97	0.04	5733	Low	1	11.50	11.11	Left	0	V2	0.013	0.000	1.094	1.007	0.014	0.000	0.009	
Body	NB U-NII 3	FHSS	3b	HXM56	76.97	0.06	5789	Mid	1	7.00	5.34	Back	0	V1	0.192	0.065	1.466	1.007	0.283	0.096	0.177	
Body	NB U-NII 3	FHSS	3b	HXM56	76.97	0.06	5789	Mid	1	7.00	5.34	Top	0	V1	0.244	0.058	1.466	1.007	0.360	0.086	0.225	
Body	NB U-NII 3	FHSS	3b	HXM56	76.97	0.14	5733	Low	1	4.50	2.60	Back	0	V1	0.090	0.028	1.549	1.007	0.140	0.044	0.088	
Body	NB U-NII 3	FHSS	3b	HXM56	76.97	0.06	5733	Low	1	4.50	2.60	Top	0	V1	0.139	0.032	1.549	1.007	0.217	0.050	0.136	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

Table 10-119 Antenna 5T

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Reported 10g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NB U-NII 3	FHSS	5T	20IV6	76.97	0.05	5733	Low	1	13.50	12.78	Back	0	V2	0.049	0.017	1.180	1.007	0.058	0.020	0.036	
Body	NB U-NII 3	FHSS	5T	20IV6	76.97	0.07	5733	Low	1	13.50	12.78	Top	0	V2	0.000	0.000	1.180	1.007	0.000	0.000	0.000	
Body	NB U-NII 3	FHSS	5T	20IV6	76.97	0.08	5733	Low	1	13.50	12.78	Bottom	0	V2	0.000	0.000	1.180	1.007	0.000	0.000	0.000	
Body	NB U-NII 3	FHSS	5T	20IV6	76.97	-0.06	5733	Low	1	13.50	12.78	Right	0	V2	0.410	0.118	1.180	1.007	0.487	0.140	0.304	
Body	NB U-NII 3	FHSS	5T	RRXWW	76.97	0.07	5733	Low	1	13.50	12.50	Right	0	V1	0.381	0.111	1.259	1.007	0.483	0.141	0.302	
Body	NB U-NII 3	FHSS	5T	20IV6	76.97	0.05	5733	Low	1	13.50	12.78	Left	0	V2	0.002	0.000	1.180	1.007	0.002	0.000	0.001	
Body	NB U-NII 3	FHSS	5T	20IV6	76.97	-0.11	5733	Low	1	12.00	10.80	Right	0	V2	0.331	0.093	1.318	1.007	0.439	0.123	0.274	
Body	NB U-NII 3	FHSS	5T	20IV6	76.97	0.17	5733	Low	1	9.50	8.15	Right	0	V2	0.174	0.047	1.365	1.007	0.239	0.065	0.149	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per manufacturer.

10.37 wPT Standalone SAR

Table 10-120 WPT SAR standalone

Exposure	Band / Mode	Service / Modulation	Serial Number	Power Drift [dB]	Frequency [MHz]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	wPT	CW	HYGFG	0.03	13.60	Back	0	0.027	0.027	0.017	A36
Body	wPT	CW	HYGFG	-0.01	13.60	Top	0	0.000	0.000	0.000	
Body	wPT	CW	HYGFG	0.03	13.60	Bottom	0	0.000	0.000	0.000	
Body	wPT	CW	HYGFG	0.09	13.60	Right	0	0.002	0.002	0.001	
Body	wPT	CW	HYGFG	0.08	13.60	Left	0	0.000	0.000	0.000	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						Body 1.6 W/kg (mW/g) averaged over 1 gram					

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10.38 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in FCC KDB Publication 616217 D04v01r02, and FCC KDB Publication 447498 D04v01.
2. Batteries are fully charged at the beginning of the SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04v01.
6. Per FCC KDB 865664 D01v01r04, variability SAR tests were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg. Repeated SAR measurements are highlighted in the tables above for clarity. Please see Section 11 for variability analysis.
7. FCC KDB Publication 616217 D04v01r02 Section 4.3, SAR tests are required for the back surface and edges of the tablet with the tablet touching the phantom. The SAR Exclusion Threshold in FCC KDB 447498 D04v01 was applied to determine SAR test exclusion for adjacent edge configurations.
8. This device uses Smart Transmit for WWAN operations to control and manage transmitting power in real time to ensure RF Exposure compliance. Per FCC Guidance, compliance for was assessed at the minimum of the time averaged power and the maximum output power for each band/mode/exposure condition (DSI).
9. The orange highlights throughout the report represent the highest scaled SAR per Equipment Class.
10. Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors. Per October 2020 TCB Workshop notes, 5 channels were tested. Absorbed power density (APD) using a $4cm^2$ averaging area is reported based on SAR measurements.

UMTS Notes:

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

LTE Notes:

1. LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r04. The general test procedures used for testing can be found in Section 7.5.4.
2. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.
3. A-MPR was disabled for all SAR tests by setting NS=01 and MCC=001 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
4. Per FCC KDB Publication 447498 D04v01, when the reported LTE Band 41 and LTE Band 48 SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for 1g evaluations, testing at the other channels was required for such test configurations.
5. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r04. Testing was performed using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.

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6. Per KDB Publication 941225 D05Av01r02, SAR for downlink only LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive.
7. This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure condition. Please see Section 12 for linearity results.
8. For LTE Band 5, LTE Band 7, LTE Band 41, and LTE Band 48, per FCC guidance, SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active. The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.
9. This device supports LTE Band 41 ULCA active with Power Class 2. Highest SAR test configuration for each exposure condition in Power Class 3 with ULCA active was repeated with Power Class 2 with ULCA active.
10. This device supports downlink 4x4 MIMO operations for some LTE Bands. Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

NR Notes:

1. NR implementation supports SA and NSA modes. NR implementation in EN-DC mode operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.
2. Per FCC KDB Publication 447498 D04v01, when the reported SAR measured at the highest output power channel in a given a test configuration was > 0.4 W/kg for NR n77 C 1g evaluations, > 0.6 W/kg for NR n41 1g evaluations, and > 0.8 W/kg for NR n77 DoD, testing at the other channels was required for such test configurations.
3. Due to test setup limitations, SAR testing for NR was performed using test mode software to establish the connection.
4. Simultaneous transmission analysis for EN-DC operations is addressed in the Part 2 Test Report (Serial Number can be found in the bibliography).
5. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
6. 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.
7. This device supports Power Class 2 and Power Class 3 operations for NR Band n41, NR Band n77 DoD, and NR Band n77 C. The highest available duty cycle for Power Class 2 and Power Class 3 operations is 100.0 %. Per FCC Guidance, all SAR tests were performed using Power Class 2.

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WLAN Notes:

1. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 2.4 GHz WIFI single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11g/n/ax) was not required due to the maximum allowed powers and the highest reported DSSS SAR. See Section 7.6.4 for more information.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 5 GHz WIFI single transmission chain operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission modes were not investigated since the highest reported SAR for initial test configuration adjusted by the ratio of maximum output powers is less than 1.2 W/kg for 1g evaluations. See Section 7.6.5 for more information.
3. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D04v01 by either evaluating the sum of the 1g SAR values of each antenna transmitting independently or making a SAR measurement with both antennas transmitting simultaneously. Please see Section 11 for complete analysis.
4. 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.
5. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated EMC test reports.
6. The time-averaged mechanism for WLAN operations was disabled for the above SAR measurements. The SAR was scaled to the maximum time-averaged output power.

Bluetooth/NB UNII Notes

1. Bluetooth/NB UNII SAR was evaluated with a test mode with hopping disabled with DH5 operation. The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is limited to 77.5% per manufacturer. See Section 8.14 and 8.22 for the time domain plot and calculation for the duty factor of the device.

802.15.4 Notes:

1. The manufacturer declared that the maximum source-based duty cycle of 802.15.4 mode is permanently limited to 60%. SAR measurement for 802.15.4 is evaluated at a higher duty cycle of 100% and scaled down to 60%. See Section 8.17 for the time domain plot for the duty factor of the device at the maximum source-based duty cycle of 60% and at the test mode during SAR measurement of 100%.

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10.39 Power Density Data

MEASUREMENT RESULTS																							
Frequency (MHz)	Channel	Mode	Service	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift (dB)	Spacing (mm)	Antenna Config.	Variant	DUT Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	Grid Step (λ)	ipD (W/m²)	Scaling Factor for Measurement Uncertainty per IEC 62479	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Normal psPD (W/m²)	Scaled Normal psPD (W/m²)	Total psPD (W/m²)	Scaled Total psPD (W/m²)	Plot #
6025	15	802.11ax	OFDM	160	11.50	11.20	0.11	2	3b	V1	HXM56	68.1	Back	97.74	0.041	1.510	1.554	1.072	1.023	3.380	5.760	3.770	6.425	
6345	79	802.11ax	OFDM	160	14.00	12.68	0.07	2	3b	V1	HXM56	68.1	Back	97.74	0.041	1.250	1.554	1.355	1.023	2.730	5.881	3.280	7.065	
6505	111	802.11ax	OFDM	160	12.50	11.37	0.03	2	3b	V1	HXM56	68.1	Back	97.74	0.041	0.936	1.554	1.297	1.023	2.230	4.598	2.620	5.402	
6665	143	802.11ax	OFDM	160	14.75	13.60	0.06	2	3b	V1	HXM56	68.1	Back	97.74	0.041	1.400	1.554	1.303	1.023	2.970	6.152	3.420	7.084	
6985	207	802.11ax	OFDM	160	12.00	11.16	0.03	2	3b	V1	HXM56	68.1	Back	97.74	0.041	0.936	1.554	1.213	1.023	2.230	4.300	2.620	5.052	
6025	15	802.11ax	OFDM	160	11.50	11.20	0.08	2	3b	V1	HXM56	68.1	Top	97.74	0.041	1.490	1.554	1.072	1.023	3.560	6.067	4.150	7.072	
6345	79	802.11ax	OFDM	160	14.00	12.68	-0.17	2	3b	V1	HXM56	68.1	Top	97.74	0.041	0.970	1.554	1.355	1.023	1.800	3.877	2.430	5.234	
6505	111	802.11ax	OFDM	160	12.50	11.37	0.02	2	3b	V1	HXM56	68.1	Top	97.74	0.041	1.180	1.554	1.297	1.023	2.100	4.330	2.400	4.949	
6665	143	802.11ax	OFDM	160	14.75	13.60	0.00	2	3b	V1	HXM56	68.1	Top	97.74	0.041	1.320	1.554	1.303	1.023	2.750	5.696	3.300	6.836	
6985	207	802.11ax	OFDM	160	12.00	11.16	-0.04	2	3b	V1	HXM56	68.1	Top	97.74	0.041	0.732	1.554	1.213	1.023	0.939	1.811	1.490	2.873	
6665	143	802.11ax	OFDM	160	14.75	13.60	0.07	2	3b	V1	HXM56	68.1	Bottom	97.74	0.25	0.367	1.554	1.303	1.023	0.113	0.234	0.128	0.265	
6665	143	802.11ax	OFDM	160	14.75	13.60	0.07	2	3b	V1	HXM56	68.1	Left	97.74	0.25	0.891	1.554	1.303	1.023	0.279	0.578	0.325	0.673	
6665	143	802.11ax	OFDM	160	14.75	13.60	0.05	2	3b	V1	HXM56	68.1	Right	97.74	0.25	5.720	1.554	1.303	1.023	0.784	1.624	0.808	1.674	
6665	143	802.11ax	OFDM	160	14.75	13.60	-0.13	9	3b	V1	HXM56	68.1	Right	97.74	0.25	0.547	1.554	1.303	1.023	0.088	0.182	0.121	0.251	
6665	143	802.11ax	OFDM	160	14.75	13.60	0.03	9	3b	V1	HXM56	68.1	Back	97.74	0.041	1.230	1.554	1.303	1.023	1.750	3.625	1.860	3.853	
6025	15	802.11ax	OFDM	160	12.75	12.55	0.03	2	5T	V2	YRWVW	68.1	Back	97.74	0.25	2.110	1.554	1.047	1.023	0.783	1.303	0.868	1.445	
6025	15	802.11ax	OFDM	160	12.75	12.55	-0.04	2	5T	V2	YRWVW	68.1	Top	97.74	0.25	1.850	1.554	1.047	1.023	0.287	0.478	0.319	0.531	
6025	15	802.11ax	OFDM	160	12.75	12.55	-0.04	2	5T	V2	YRWVW	68.1	Bottom	97.74	0.25	1.030	1.554	1.047	1.023	0.203	0.338	0.212	0.353	
6025	15	802.11ax	OFDM	160	12.75	12.55	-0.09	2	5T	V2	YRWVW	68.1	Left	97.74	0.25	0.585	1.554	1.047	1.023	0.124	0.206	0.199	0.331	
6025	15	802.11ax	OFDM	160	12.75	12.55	-0.04	2	5T	V2	YRWVW	68.1	Right	97.74	0.041	1.390	1.554	1.047	1.023	3.500	5.826	4.260	7.091	
6345	79	802.11ax	OFDM	160	12.50	11.77	-0.18	2	5T	V2	YRWVW	68.1	Right	97.74	0.041	1.610	1.554	1.183	1.023	3.130	5.886	3.770	7.090	
6505	111	802.11ax	OFDM	160	12.50	11.97	0.03	2	5T	V2	YRWVW	68.1	Right	97.74	0.041	1.770	1.554	1.130	1.023	3.310	5.946	3.940	7.078	
6665	143	802.11ax	OFDM	160	12.25	11.68	0.18	2	5T	V2	YRWVW	68.1	Right	97.74	0.041	1.800	1.554	1.140	1.023	3.540	6.416	3.910	7.086	
6985	207	802.11ax	OFDM	160	12.00	11.86	0.04	2	5T	V2	YRWVW	68.1	Right	97.74	0.041	1.330	1.554	1.033	1.023	2.240	3.679	4.260	6.996	
6025	15	802.11ax	OFDM	160	12.75	12.55	0.06	9.95	5T	V2	YRWVW	68.1	Back	97.74	0.25	1.070	1.554	1.047	1.023	0.350	0.583	0.364	0.606	
6025	15	802.11ax	OFDM	160	12.75	12.55	-0.05	9.95	5T	V2	YRWVW	68.1	Right	97.74	0.041	1.170	1.554	1.047	1.023	1.280	2.131	1.460	2.430	
6985	143	802.11ax	OFDM	160	11.25	10.35	0.00	2	1b	V1	27WT9	68.1	Back	97.74	0.041	3.980	1.554	1.230	1.023	2.770	5.416	2.810	5.495	
6985	143	802.11ax	OFDM	160	11.25	10.35	-0.09	2	1b	V1	27WT9	68.1	Top	97.74	0.041	1.030	1.554	1.230	1.023	0.127	0.248	0.128	0.250	
6025	15	802.11ax	OFDM	160	10.00	9.83	-0.06	2	1b	V1	27WT9	68.1	Bottom	97.74	0.041	1.470	1.554	1.040	1.023	3.680	6.084	4.280	7.076	A37
6345	79	802.11ax	OFDM	160	10.75	10.42	0.02	2	1b	V1	27WT9	68.1	Bottom	97.74	0.041	1.120	1.554	1.079	1.023	3.470	5.952	4.130	7.084	
6505	111	802.11ax	OFDM	160	10.75	10.68	-0.05	2	1b	V1	27WT9	68.1	Bottom	97.74	0.041	1.190	1.554	1.016	1.023	2.830	4.571	3.940	6.364	
6665	143	802.11ax	OFDM	160	11.25	10.35	0.00	2	1b	V1	27WT9	68.1	Bottom	97.74	0.041	1.320	1.554	1.230	1.023	2.900	5.671	3.620	7.078	
6985	207	802.11ax	OFDM	160	10.25	10.06	-0.18	2	1b	V1	27WT9	68.1	Bottom	97.74	0.041	1.050	1.554	1.045	1.023	1.600	2.658	1.950	3.239	
6985	143	802.11ax	OFDM	160	11.25	10.35	-0.11	2	1b	V1	27WT9	68.1	Left	97.74	0.041	0.302	1.554	1.230	1.023	0.058	0.113	0.099	0.194	
6985	143	802.11ax	OFDM	160	11.25	10.35	-0.08	2	1b	V1	27WT9	68.1	Right	97.74	0.25	0.249	1.554	1.230	1.023	0.084	0.164	0.087	0.170	
6985	143	802.11ax	OFDM	160	11.25	10.35	-0.11	9	1b	V1	27WT9	68.1	Back	97.74	0.25	1.920	1.554	1.230	1.023	0.590	1.154	0.645	1.261	
6345	79	802.11ax	OFDM	160	10.75	10.42	-0.05	9.45	1b	V1	27WT9	68.1	Bottom	97.74	0.041	0.425	1.554	1.079	1.023	0.562	0.964	0.712	1.221	
47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population																	Power Density 10 W/m² averaged over 4 cm²						

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10.40 Power Density Notes

1. The manufacturer has confirmed that the devices tested have the same physical, mechanical, and thermal characteristics and are within operational tolerances expected for production units.
2. Batteries are fully charged at the beginning of the measurements. The DUT was connected to a wall charger for some measurements due to the test duration. It was confirmed that the charger plugged into this DUT did not impact the near-field PD test results.
3. Power density was calculated by repeated E-field measurements on two measurement planes separated by λ/4.
4. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
5. Per FCC guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor.
6. Per equipment manufacturer guidance, power density was measured at d=2mm and d=λ/5mm using the same grid size and grid step size for some frequencies and surfaces. The integrated Power Density (iPD) was calculated based on these measurements. Since iPD ratio between the two distances is ≥ -1dB, the grid step was sufficient for determining compliance at d=2mm.
7. PD results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04v01.
8. PTP-PR algorithm was used during psPD measurement and calculations.

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11 SAR MEASUREMENT VARIABILITY

11.1 Measurement Variability

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

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

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

Table 11-1
Body SAR Measurement Variability Results

BODY VARIABILITY RESULTS											
Band	FREQUENCY		Mode	Service	Ant	Data Rate (Mbps)	Side	Spacing	Measured SAR (1g)	1st Repeated SAR (1g)	Ratio
	MHz	Ch.							(W/kg)	(W/kg)	
750	680.5	133297	LTE Band 71, 20 MHz Bandwidth	QPSK, 100 RB, 0 RB Offset	Ant 4	N/A	Back	0 mm	0.961	0.950	1.01
835	819.00	26740	LTE Band 26, 10 MHz Bandwidth	QPSK, 1 RB, 0 RB Offset	Ant 2	N/A	Back	0 mm	0.913	0.895	1.02
1750	1745.00	349000	NR Band n66, 40 MHz Bandwidth	CP-OFDM, QPSK, 1 RB, 1 RB Offset	Ant 2	N/A	Back	0 mm	0.950	0.929	1.02
1900	1907.60	9538	UMTS 1900	RMC	Ant 1b	N/A	Back	0 mm	0.946	0.942	1.00
2300	2310.00	27710	LTE Band 30, 10 MHz Bandwidth	QPSK, 1 RB, 49 RB Offset	Ant 1b	N/A	Back	0 mm	0.879	0.863	1.02
2450	2440	18	802.15.4	CW	Ant 3a	N/A	Right	0 mm	1.420	1.410	1.01
2600	2592.99	518598	NR Band n41, 100 MHz Bandwidth	CP-OFDM, QPSK, 1 RB, 1 RB Offset	Ant 2	N/A	Back	0 mm	0.855	0.845	1.01
3900	3930.00	662000	NR Band n77, 100 MHz Bandwidth	DFT-s-OFDM, QPSK, 1 RB, 137 RB Offset	Ant 4	N/A	Left	0 mm	0.808	0.770	1.05
5250	5245	High	NB U-NII 1	FHSS	Ant 3b	4	Top	0 mm	0.931	0.873	1.07
5600	5610	122	5 GHz WIFI/IEEE 802.11ac, 80 MHz Bandwidth	OFDM	Ant 5T	29.3	Right	0 mm	0.879	0.839	1.05
5750	5789	Mid	NB U-NII 3	FHSS	Ant 1b	1	Back	0 mm	1.060	1.060	1.00
5850	5844	High	NB U-NII 3	FHSS	Ant 1b	1	Back	0 mm	0.903	0.850	1.06
6500	6505.00	111	6 GHz WIFI/ IEEE 802.11ax, 160 MHz Bandwidth	OFDM	Ant 1b	68.1	Bottom	0 mm	1.040	0.999	1.04
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								Body 1.6 W/kg (mW/g) averaged over 1 gram			

11.2 Measurement Uncertainty

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

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12 ADDITIONAL TESTING PER FCC GUIDANCE

12.1 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per May 2017 TCB Workshop Notes based on the device behavior, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the highest power and available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR for each exposure condition. The linearity between the Power Class 2 and Power Class 3 SAR results and the respective frame averaged powers was calculated to determine that the results were linear. When ULCA is active, the linearity between the Power Class 2 with ULCA active and Power Class 3 with ULCA active SAR results and the respective frame averaged powers was calculated to determine that the results were linear. Per May 2017 TCB Workshop, no additional SAR measurements were required since the linearity between power classes was < 10% and all reported SAR values were < 1.4 W/kg for 1g and < 3.5 W/kg for 10g.

Table 12-1
LTE Band 41 Body Linearity Data – Antenna 1b

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.3	15.9
Measured Output Power (dBm)	12.73	14.89
Measured SAR (W/kg)	0.690	0.700
Measured Power (mW)	18.75	30.83
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	11.87	13.35
% deviation from expected linearity		-9.81%

Figure 12-1
LTE Band 41 Body Linearity – Antenna 1b

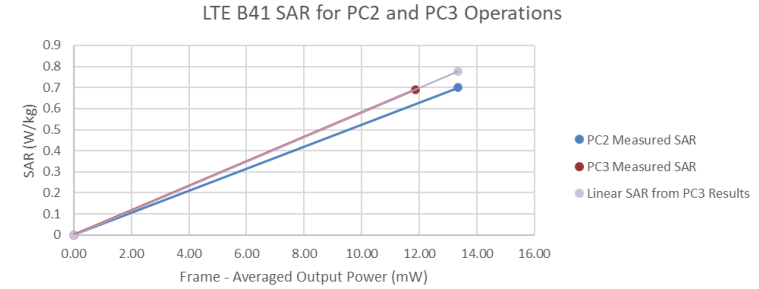

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Table 12-2
LTE Band 41 ULCA Body Linearity Data – Antenna 1b

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.3	15.9
Measured Output Power (dBm)	13.30	15.06
Measured SAR (W/kg)	0.759	0.708
Measured Power (mW)	21.38	32.06
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	13.53	13.88
% deviation from expected linearity		-9.07%

Figure 12-2
LTE Band 41 ULCA Body Linearity – Antenna 1b

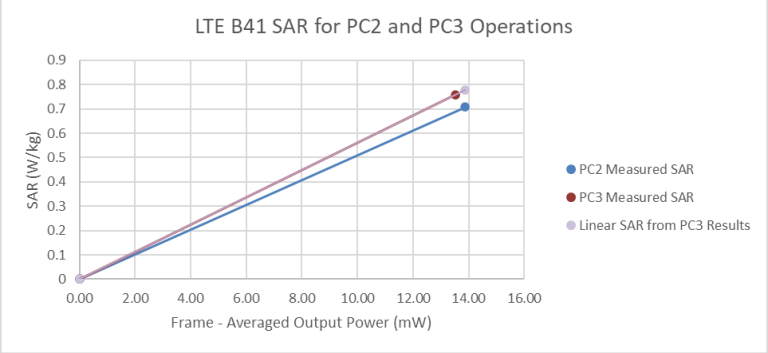

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Table 12-3
LTE Band 41 Body Linearity Data – Antenna 2

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	15.1	16.7
Measured Output Power (dBm)	14.41	15.93
Measured SAR (W/kg)	0.827	0.792
Measured Power (mW)	27.61	39.17
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	17.47	16.96
% deviation from expected linearity		-1.34%

Figure 12-3
LTE Band 41 Body Linearity – Antenna 2

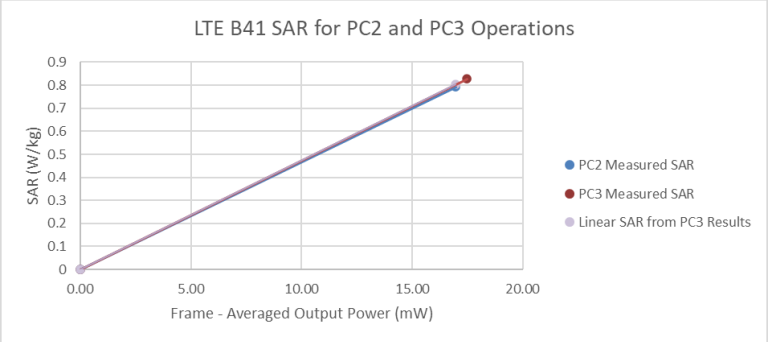

Table 12-4
LTE Band 41 ULCA Body Linearity Data – Antenna 2

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	15.1	16.7
Measured Output Power (dBm)	14.66	16.07
Measured SAR (W/kg)	0.875	0.840
Measured Power (mW)	29.24	40.46
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	18.51	17.52
% deviation from expected linearity		1.43%

Figure 12-4
LTE Band 41 ULCA Body Linearity – Antenna 2

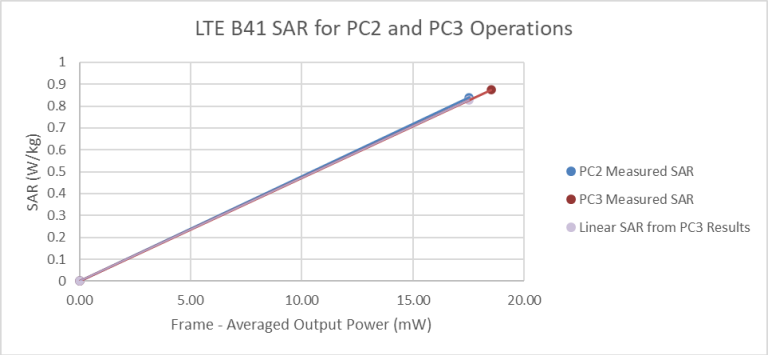

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Table 12-5
LTE Band 41 Body Linearity Data – Antenna 3b

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.9	16.5
Measured Output Power (dBm)	14.12	15.81
Measured SAR (W/kg)	0.816	0.806
Measured Power (mW)	25.82	38.11
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	16.35	16.50
% deviation from expected linearity		-2.15%

Figure 12-5
LTE Band 41 Body Linearity – Antenna 3b

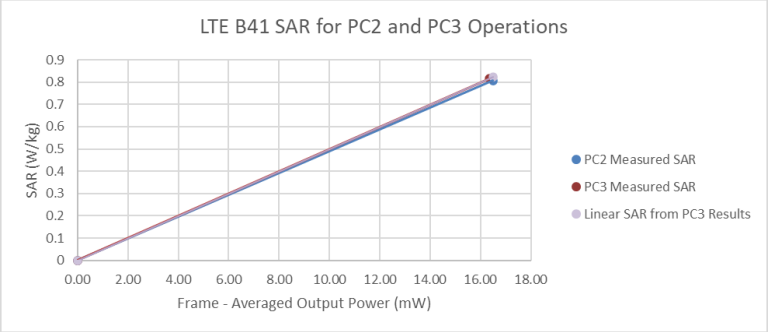

Table 12-6
LTE Band 41 ULCA Body Linearity Data – Antenna 3b

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.9	16.5
Measured Output Power (dBm)	14.03	15.88
Measured SAR (W/kg)	0.788	0.803
Measured Power (mW)	25.29	38.73
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	16.01	16.77
% deviation from expected linearity		-2.70%

Figure 12-6
LTE Band 41 ULCA Body Linearity – Antenna 3b

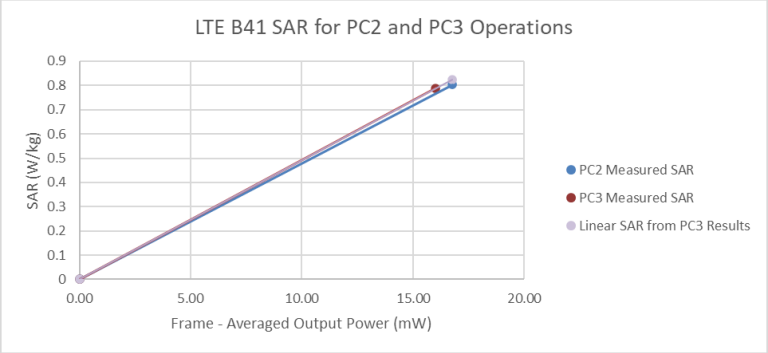

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Table 12-7
LTE Band 41 Body Linearity Data – Antenna 4

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	13.2	14.8
Measured Output Power (dBm)	12.55	14.22
Measured SAR (W/kg)	0.795	0.741
Measured Power (mW)	17.99	26.42
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	11.39	11.44
% deviation from expected linearity		-7.24%

Figure 12-7
LTE Band 41 Body Linearity – Antenna 4

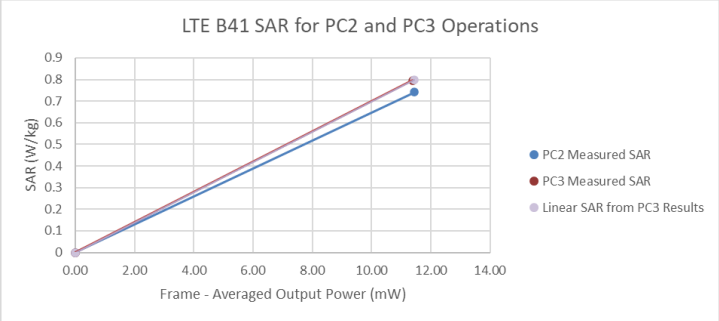
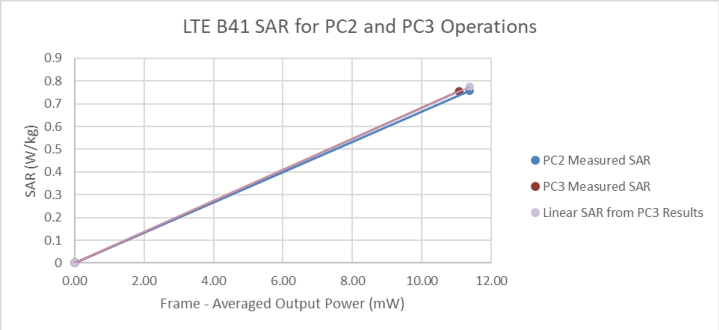


Table 12-8
LTE Band 41 ULCA Body Linearity Data – Antenna 4

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	13.2	14.8
Measured Output Power (dBm)	12.43	14.19
Measured SAR (W/kg)	0.756	0.757
Measured Power (mW)	17.50	26.24
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	11.08	11.36
% deviation from expected linearity		-2.39%

Figure 12-8
LTE Band 41 ULCA Body Linearity – Antenna 4



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13 EQUIPMENT LIST

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

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	E4404B	Spectrum Analyzer	N/A	N/A	N/A	MY45112262
Agilent	E4438C	ESG Vector Signal Generator	10/23/2024	Annual	10/23/2025	MY45093852
Agilent	E4438C	ESG Vector Signal Generator	3/25/2024	Annual	3/25/2025	MY47270302
Agilent	N5182A	MXG Vector Signal Generator	7/9/2024	Annual	7/9/2025	MY44180366
Agilent	N5182A	MXG Vector Signal Generator	3/7/2024	Annual	3/7/2025	MY47420603
Agilent	8753ES	S-Parameter Vector Network Analyzer	1/10/2024	Annual	1/10/2025	MY40001472
Agilent	8753ES	S-Parameter Vector Network Analyzer	9/25/2024	Annual	9/25/2025	MY40001841
Agilent	E5515C	Wireless Communications Test Set	CBT	N/A	CBT	GB44310798
Agilent	E5515C	Wireless Communications Test Set	CBT	N/A	CBT	US44140256
Agilent	N4010A	Wireless Connectivity Test Set	N/A	N/A	N/A	GB44170464
Amplifier Research	1S1G6	Amplifier	CBT	N/A	CBT	433979
Amplifier Research	1S1G6	Amplifier	CBT	N/A	CBT	433974
Amplifier Research	150A100C	Amplifier	CBT	N/A	CBT	3503.12
Anritsu	MN9310B	I/O Adaptor	CBT	N/A	CBT	6261747881
Anritsu	ML2496A	Power Meter	7/15/2024	Annual	7/15/2025	1138001
Anritsu	ML2496A	Power Meter	6/24/2024	Annual	6/24/2025	1843005
Anritsu	MA2411B	Pulse Power Sensor	9/5/2024	Annual	9/5/2025	1726262
Anritsu	MA2411B	Pulse Power Sensor	10/21/2024	Annual	10/21/2025	1937203
Anritsu	MT8820C	Radio Communication Analyzer MT8820C	12/13/2023	Annual	12/15/2024	6200901190
Anritsu	MT8820C	Radio Communication Analyzer MT8820C	5/15/2024	Annual	5/15/2025	6262150047
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	5/30/2024	Annual	5/30/2025	6262044715
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	4/26/2024	Annual	4/26/2025	6253381794
Anritsu	MA2418A	USB Power Sensor	7/10/2024	Annual	7/10/2025	1827520
Anritsu	MA2418A	USB Power Sensor	4/15/2024	Annual	4/15/2025	1827528
Mini-Circuits	PWR-4GHS	USB Power Sensor	6/12/2024	Annual	6/12/2025	12010170013
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240176346
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240171096
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240171059
Control Company	4040	Therm / Clock/ Humidity Monitor	4/15/2024	Biennial	4/15/2026	240310280
Control Company	4040	Therm / Clock/ Humidity Monitor	4/15/2024	Biennial	4/15/2026	240310282
Control Company	56E279	Therm / Clock/ Humidity Monitor	2/16/2024	Biennial	2/16/2026	240140051
Mitutoyo	500-196-30	CD-8"ASX 6inch Digital Caliper	2/16/2022	Triennial	2/16/2025	A20238413
Keysight Technologies	N9020A	MXA Signal Analyzer	7/8/2024	Annual	7/8/2025	MY44810233
Agilent	N9020A	MXA Signal Analyzer	6/14/2024	Annual	6/14/2025	MY56570202
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1139
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	7/10/2024	Annual	7/10/2025	31634
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-1200+	Low Pass Filter DC to 1000 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	BW-N20W5	Power Attenuator	CBT	N/A	CBT	1216
Mini-Circuits	ZUDC10-83-S+	Directional Coupler	CBT	N/A	CBT	2050
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Narda	BW-S3W2	Attenuator (3dB)	CBT	N/A	CBT	120
Seekonk	NC-100	Torque Wrench	CBT	N/A	CBT	22217
Seekonk	NC-100	Torque Wrench	4/2/2024	Biennial	4/2/2026	1262
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/22/2024	Annual	4/22/2025	106578
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	2/5/2024	Annual	2/5/2025	168527
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	1/11/2024	Annual	1/11/2025	150117
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/19/2024	Annual	4/19/2025	101699
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	9/10/2024	Annual	12/10/2025	168543
SPEAG	DAK-3.5	Dielectric Assessment Kit	5/14/2024	Annual	5/14/2025	1070
SPEAG	DAK3.5-S	Portable Dielectric Assessment Kit	8/7/2024	Annual	8/7/2025	1041
SPEAG	MAIA	Modulation and Audio Interference Analyser	N/A	N/A	N/A	1257
SPEAG	MAIA	Modulation and Audio Interference Analyser	N/A	N/A	N/A	1331
SPEAG	MAIA	Modulation and Audio Interference Analyser	N/A	N/A	N/A	1390
SPEAG	DAK-12	Dielectric Assessment Kit (4MHz - 3GHz)	3/11/2024	Annual	3/11/2025	1102
SPEAG	5G Verification Source 10GHz	10GHz System Verification Antenna	8/6/2024	Annual	8/6/2025	1004
SPEAG	CLA-13	Confined Loop Antenna	11/11/2024	Annual	11/11/2025	1004
SPEAG	D175DV2	1750 MHz SAR Dipole	5/10/2022	Triennial	5/10/2025	1083
SPEAG	D190DV2	1900 MHz SAR Dipole	9/7/2023	Biennial	9/7/2025	5d181
SPEAG	D230DV2	2300 MHz SAR Dipole	3/11/2024	Annual	3/11/2025	1038
SPEAG	D245DV2	2450 MHz SAR Dipole	10/23/2024	Annual	10/23/2025	921
SPEAG	D245DV2	2450 MHz SAR Dipole	5/11/2022	Triennial	5/11/2025	750
SPEAG	D260DV2	2600 MHz SAR Dipole	5/11/2022	Triennial	5/11/2025	1042
SPEAG	D300DV2	3000 MHz SAR Dipole	6/10/2024	Annual	6/10/2025	1126
SPEAG	D375DV2	3750 MHz SAR Dipole	6/10/2024	Annual	6/10/2025	1057
SPEAG	D390DV2	3900 MHz SAR Dipole	10/19/2023	Biennial	10/19/2025	1056
SPEAG	D5GHzV2	5 GHz SAR Dipole	6/12/2024	Annual	6/12/2025	1163
SPEAG	D5GHzV2	5 GHz SAR Dipole	3/12/2024	Annual	3/12/2025	1123
SPEAG	D6.5GHzV2	6.5 GHz SAR Dipole	10/10/2024	Annual	10/10/2025	1019
SPEAG	D750V3	750 MHz SAR Dipole	9/13/2023	Biennial	9/13/2025	1057
SPEAG	D750V3	750 MHz SAR Dipole	5/16/2022	Triennial	5/16/2025	1057
SPEAG	D835V2	835 MHz SAR Dipole	5/16/2022	Triennial	5/16/2025	460
SPEAG	DAE4	Data Data Acquisition Electronics	10/9/2024	Annual	10/9/2025	1333
SPEAG	DAE4	Data Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	1683
SPEAG	DAE4	Data Data Acquisition Electronics	9/3/2024	Annual	9/3/2025	1646
SPEAG	DAE4	Data Data Acquisition Electronics	4/10/2025	Annual	4/10/2025	1402
SPEAG	DAE4	Data Data Acquisition Electronics	8/8/2024	Annual	8/8/2025	1681
SPEAG	DAE4	Data Data Acquisition Electronics	4/9/2024	Annual	4/9/2025	1582
SPEAG	DAE4	Data Data Acquisition Electronics	9/4/2024	Annual	9/4/2025	1684
SPEAG	DAE4	Data Data Acquisition Electronics	9/4/2024	Annual	9/4/2025	1403
SPEAG	DAE4	Data Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	701
SPEAG	DAE4	Data Data Acquisition Electronics	2/5/2024	Annual	2/5/2025	407
SPEAG	DAE4	Data Data Acquisition Electronics	3/6/2024	Annual	3/6/2025	534
SPEAG	DAE4	Data Data Acquisition Electronics	4/3/2024	Annual	4/3/2025	501
SPEAG	DAE4	Data Data Acquisition Electronics	3/6/2024	Annual	3/6/2025	659
SPEAG	DAE4	Data Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	1676
SPEAG	EUmmWV4	mmWave Probe	4/8/2024	Annual	4/8/2025	9487
SPEAG	EX3DV4	SAR Probe	5/13/2024	Annual	5/13/2025	7662
SPEAG	EX3DV4	SAR Probe	3/11/2024	Annual	3/11/2025	7360
SPEAG	EX3DV4	SAR Probe	9/4/2024	Annual	9/4/2025	7668
SPEAG	EX3DV4	SAR Probe	9/9/2024	Annual	9/9/2025	3949
SPEAG	EX3DV4	SAR Probe	5/13/2024	Annual	5/13/2025	7416
SPEAG	EX3DV4	SAR Probe	4/16/2024	Annual	4/16/2025	7357
SPEAG	EX3DV4	SAR Probe	4/16/2024	Annual	4/16/2025	7532
SPEAG	EX3DV4	SAR Probe	4/16/2024	Annual	4/16/2025	7546
SPEAG	EX3DV4	SAR Probe	3/11/2024	Annual	3/11/2025	7421
SPEAG	EX3DV4	SAR Probe	2/5/2024	Annual	2/5/2025	7308
SPEAG	EX3DV4	SAR Probe	9/9/2024	Annual	9/9/2025	7639
SPEAG	EX3DV4	SAR Probe	2/6/2024	Annual	2/6/2025	7427
SPEAG	EX3DV4	SAR Probe	5/13/2024	Annual	5/13/2025	7552
SPEAG	EX3DV4	SAR Probe	9/12/2024	Annual	9/12/2025	7782

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14 MEASUREMENT UNCERTAINTIES

Applicable for SAR measurements < 6 GHz:

a	b	c	d	e= f(d,k)	f	g	h = c x f/e	i = c x g/e	k
Uncertainty Component	IEEE 1528 Sec.	Tol. (± %)	Prob. Dist.	Div.	c_i 1gm	c_i 10 gms	1gm u_i (± %)	10gms u_i (± %)	v_i
Measurement System									
Probe Calibration	E.2.1	7	N	1	1	1	7.0	7.0	∞
Axial Isotropy	E.2.2	0.25	N	1	0.7	0.7	0.2	0.2	∞
Hemishperical Isotropy	E.2.2	1.3	N	1	0.7	0.7	0.9	0.9	∞
Boundary Effect	E.2.3	2	R	1.732	1	1	1.2	1.2	∞
Linearity	E.2.4	0.3	N	1	1	1	0.3	0.3	∞
System Detection Limits	E.2.4	0.25	R	1.732	1	1	0.1	0.1	∞
Modulation Response	E.2.5	4.8	R	1.732	1	1	2.8	2.8	∞
Readout Electronics	E.2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E.2.7	0.8	R	1.732	1	1	0.5	0.5	∞
Integration Time	E.2.8	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Conditions - Noise	E.6.1	3	R	1.732	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1	3	R	1.732	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E.6.2	0.8	R	1.732	1	1	0.5	0.5	∞
Probe Positioning w/ respect to Phantom	E.6.3	6.7	R	1.732	1	1	3.9	3.9	∞
Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation	E.5	4	R	1.732	1	1	2.3	2.3	∞
Test Sample Related									
Test Sample Positioning	E.4.2	3.12	N	1	1	1	3.1	3.1	35
Device Holder Uncertainty	E.4.1	1.67	N	1	1	1	1.7	1.7	5
Output Power Variation - SAR drift measurement	E.2.9	5	R	1.732	1	1	2.9	2.9	∞
SAR Scaling	E.6.5	0	R	1.732	1	1	0.0	0.0	∞
Phantom & Tissue Parameters									
Phantom Uncertainty (Shape & Thickness tolerances)	E.3.1	7.6	R	1.73	1.0	1.0	4.4	4.4	∞
Liquid Conductivity - measurement uncertainty	E.3.3	4.3	N	1	0.78	0.71	3.3	3.0	76
Liquid Permittivity - measurement uncertainty	E.3.3	4.2	N	1	0.23	0.26	1.0	1.1	75
Liquid Conductivity - Temperature Uncertainty	E.3.4	3.4	R	1.732	0.78	0.71	1.5	1.4	∞
Liquid Permittivity - Temperature Unceritainty	E.3.4	0.6	R	1.732	0.23	0.26	0.1	0.1	∞
Liquid Conductivity - deviation from target values	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Permittivity - deviation from target values	E.3.2	5.0	R	1.73	0.60	0.49	1.7	1.4	∞
Combined Standard Uncertainty (k=1)			RSS				12.2	12.0	191
Expanded Uncertainty (95% CONFIDENCE LEVEL)			k=2				24.4	24.0	

The above measurement uncertainties are according to IEEE Std. 1528-2013

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Applicable for SAR measurements > 6 GHz:

a	b	c	d	e= f(d,k)	f	g	h = c x f/e	i = c x g/e	k
Uncertainty Component	IEEE 1528 Sec.	Tol. (± %)	Prob. Dist.	Div.	c_i 1gm	c_i 10 gms	1gm u_i (± %)	10gms u_i (± %)	v_i
Measurement System									
Probe Calibration	E2.1	9.3	N	1	1	1	9.3	9.3	∞
Axial Isotropy	E2.2	0.25	N	1	0.7	0.7	0.2	0.2	∞
Hemishperical Isotropy	E2.2	1.3	N	1	0.7	0.7	0.9	0.9	∞
Boundary Effect	E2.3	2	R	1.732	1	1	1.2	1.2	∞
Linearity	E2.4	0.3	N	1	1	1	0.3	0.3	∞
System Detection Limits	E2.4	0.25	R	1.732	1	1	0.1	0.1	∞
Modulation Response	E2.5	4.8	R	1.732	1	1	2.8	2.8	∞
Readout Electronics	E2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E2.7	0.8	R	1.732	1	1	0.5	0.5	∞
Integration Time	E2.8	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Conditions - Noise	E6.1	3	R	1.732	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E6.1	3	R	1.732	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E6.2	0.8	R	1.732	1	1	0.5	0.5	∞
Probe Positioning w/ respect to Phantom	E6.3	6.7	R	1.732	1	1	3.9	3.9	∞
Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation	E5	4	R	1.732	1	1	2.3	2.3	∞
Test Sample Related									
Test Sample Positioning	E4.2	3.12	N	1	1	1	3.1	3.1	35
Device Holder Uncertainty	E4.1	1.67	N	1	1	1	1.7	1.7	5
Output Power Variation - SAR drift measurement	E2.9	5	R	1.732	1	1	2.9	2.9	∞
SAR Scaling	E6.5	0	R	1.732	1	1	0.0	0.0	∞
Phantom & Tissue Parameters									
Phantom Uncertainty (Shape & Thickness tolerances)	E3.1	7.6	R	1.73	1.0	1.0	4.4	4.4	∞
Liquid Conductivity - measurement uncertainty	E3.3	4.3	N	1	0.78	0.71	3.3	3.0	76
Liquid Permittivity - measurement uncertainty	E3.3	4.2	N	1	0.23	0.26	1.0	1.1	75
Liquid Conductivity - Temperature Uncertainty	E3.4	3.4	R	1.732	0.78	0.71	1.5	1.4	∞
Liquid Permittivity - Temperature Unceritainty	E3.4	0.6	R	1.732	0.23	0.26	0.1	0.1	∞
Liquid Conductivity - deviation from target values	E3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Permittivity - deviation from target values	E3.2	5.0	R	1.73	0.60	0.49	1.7	1.4	∞
Combined Standard Uncertainty (k=1)			RSS				13.8	13.6	191
Expanded Uncertainty (95% CONFIDENCE LEVEL)			k=2				27.6	27.1	

The above measurement uncertainties are according to IEEE Std. 1528-2013

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Applicable for Power Density measurements:

a	b	c	d	e	f = c x f/e	g
Uncertainty Component	Unc. (± dB)	Prob. Dist.	Div.	c_i	u_i (± dB)	v_i
Measurement System						
Calibration	0.49	N	1	1	0.49	∞
Probe Correction	0.00	R	1.73	1	0.00	∞
Frequency Response	0.20	R	1.73	1	0.12	∞
Sensor Cross Coupling	0.00	R	1.73	1	0.00	∞
Isotropy	0.50	R	1.73	1	0.29	∞
Linearity	0.20	R	1.73	1	0.12	∞
Probe Scattering	0.00	R	1.73	1	0.00	∞
Probe Positioning offset	0.30	R	1.73	1	0.17	∞
Probe Positioning Repeatability	0.04	R	1.73	1	0.02	∞
Sensor MechanicalOffset	0.00	R	1.73	1	0.00	∞
Probe Spatial Resolution	0.00	R	1.73	1	0.00	∞
Field Impedence Dependance	0.00	R	1.73	1	0.00	∞
Amplitude and Phase Drift	0.00	R	1.73	1	0.00	∞
Amplitude and Phase Noise	0.04	R	1.73	1	0.02	∞
Measurement Area Truncation	0.00	R	1.73	1	0.00	∞
Data Acquisition	0.03	N	1	1	0.03	∞
Sampling	0.00	R	1.73	1	0.00	∞
Field Reconstruction	2.00	R	1.73	1	1.15	∞
Forward Transformation	0.00	R	1.73	1	0.00	∞
Power Density Scaling	0.00	R	1.73	1	0.00	∞
Spatial Averaging	0.10	R	1.73	1	0.06	∞
System Detection Limit	0.04	R	1.73	1	0.02	∞
Test Sample Related						
Probe Coupling with DUT	0.00	R	1.73	1	0.00	∞
Modulation Response	0.40	R	1.73	1	0.23	∞
Integration Time	0.00	R	1.73	1	0.00	∞
Response Time	0.00	R	1.73	1	0.00	∞
Device Holder Influence	0.10	R	1.73	1	0.06	∞
DUT alignment	0.00	R	1.73	1	0.00	∞
RF Ambient Conditions	0.04	R	1.73	1	0.02	∞
Ambient Reflections	0.04	R	1.73	1	0.02	∞
Immunity/Secondary Reception	0.00	R	1.73	1	0.00	∞
Drift of DUT	0.21	R	1.73	1	0.12	∞
Combined Standard Uncertainty (k=1)		RSS			1.34	∞
Expanded Uncertainty (95% CONFIDENCE LEVEL)		k=2			2.68	

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15 CONCLUSION

15.1 Measurement Conclusion

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

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

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