

FCC SAR TEST REPORT

FCC ID : QXO-AP5060
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP5060U
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina United States 27560
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina United States 27560
Standard : FCC 47 CFR Part 2 (2.1093)

The product was received on Sep. 09, 2025 and testing was started from Oct. 03, 2025 and completed on Dec. 11, 2025. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



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History of this test report

Report No.	Version	Description	Issued Date
FA561916-03	01	Initial issue of report	Jan. 28, 2026

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Extreme Networks, Inc., Access Point, AP5060U, are as follows.

Frequency Band	Highest SAR Summary		Highest Simultaneous Transmission 1g SAR (W/kg)	Highest Simultaneous Transmission 10g SAR (W/kg)
	Body (Separation 25mm)	Extremity (Separation 0mm)		
	1g SAR (W/kg)	10g SAR (W/kg)		
2.4GHz WLAN	0.37	0.53	1.46	3.59
5GHz WLAN	0.68	1.60	1.53	3.90
6GHz WLAN	0.15	0.35	1.53	3.90
Bluetooth	0.01	0.01	1.49	3.84
802.15.4	0.06	0.07	1.53	3.90
Frequency Band	Body	Extremity	Reported PD (mW/cm^2)	
	Reported APD (mW/cm^2)			
6GHz WLAN	0.14	0.77	0.67	
Date of Testing:	2025/10/03 ~ 2025/12/11			

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test. This device is in compliance with Specific Absorption Rate (SAR) general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body 1g SAR) specified in FCC 47 CFR part 2 (2.1093), Human Exposure to RF Radiation Limits (1.0 mW/cm²=10 W/m²) specified in FCC 47 CFR part 1.1310 and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.

Reviewed by: Jason Wang
Report Producer: Paula Chen

2. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards, the below KDB standard may not including in the TAF code without accreditation.

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- IEC/IEEE 62209-1528:2020
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

3. Equipment Under Test (EUT) Information

3.1 General Information

Product Feature & Specification	
Equipment Name	Access Point
Brand Name	Extreme Networks
Model Name	AP5060U
FCC ID	QXO-AP5060
Wireless Technology and Frequency Range	WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 6GHz Band: 5925MHz~6425MHz,6425 MHz~6525 MHz,6525 MHz~6875 MHz,6875MHz~7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz 802.15.4: 2405 MHz ~2480 MHz
Mode	WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160 Bluetooth LE 802.15.4: O-QPSK
Remark:	
1. The EUT has three radios, the information as following table.	

Radio	Function (Non-beamforming mode)			
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth / 802.15.4
1	V	V	V	-
2	-	V	-	-
3	-	-	V	-
4	V	V	V	-
5	-	-	-	V

Radio	Function (Beamforming mode)			
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth / 802.15.4
1	V	V	V	-
2	-	V	-	-
3	-	-	V	-
4	-	-	-	-
5	-	-	-	V

4. RF Exposure Limits

4.1 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.

4.2 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. The 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.

Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

1. Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

4.3 RF Exposure limit for above 6GHz

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

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

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

5. Specific Absorption Rate (SAR)

5.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

5.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

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

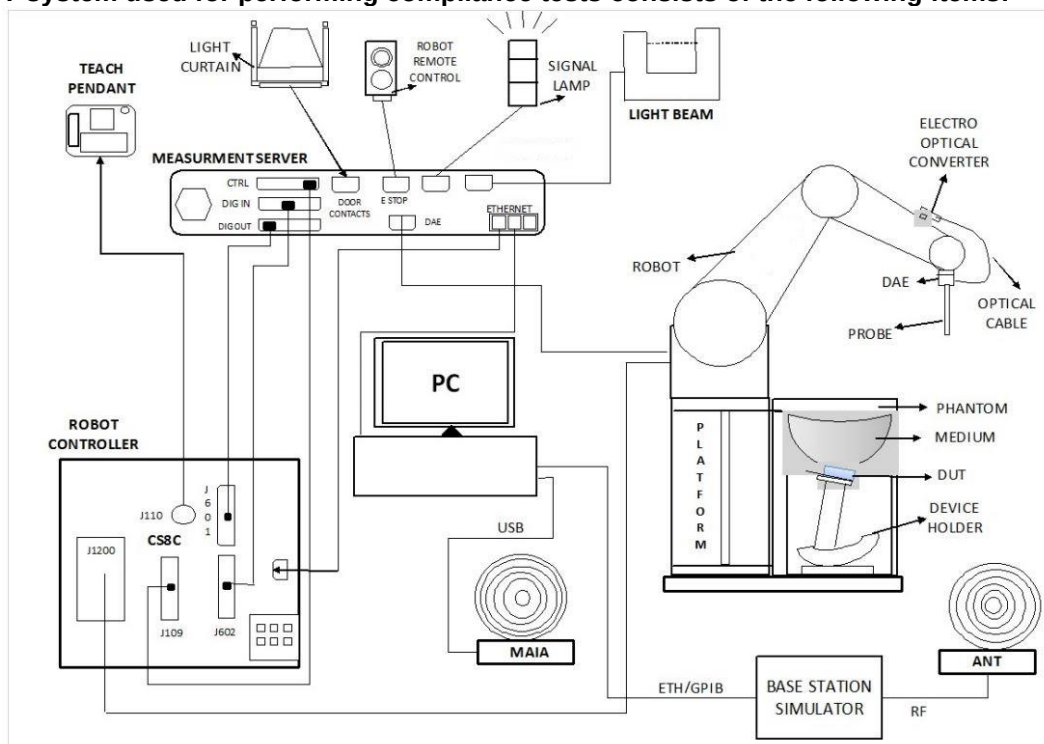
SAR is expressed in units of Watts per kilogram (W/kg)

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

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

6. System Description and Setup

The DASY system used for performing compliance tests consists of the following items:



- The DASY system in SAR Configuration is shown above
- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running windows software and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

6.1 Test Site Location

The SAR measurement facilities used to collect data are within both Sporton Lab list below test site location are accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190 and 3786) and the FCC designation No. TW1190 and TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

Laboratory	EMC & Wireless Communications Laboratory			Wensan Laboratory				
Test Site Location	TW1190			TW3786				
	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan			No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan				
Test Site No.	SAR01-HY	SAR03-HY	SAR08-HY	SAR09-HY	SAR15-HY	SAR18-HY	SAR21-HY	
	SAR04-HY	SAR05-HY	SAR11-HY	SAR12-HY	SAR16-HY	SAR19-HY	SAR22-HY	
	SAR06-HY	SAR10-HY	SAR13-HY	SAR14-HY	SAR17-HY	SAR20-HY		

6.2 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

< ES3DV3 Probe >

Construction	Symmetric design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – 4 GHz; Linearity: ± 0.2 dB (30 MHz – 4 GHz)	
Directivity	± 0.2 dB in TSL (rotation around probe axis) ± 0.3 dB in TSL (rotation normal to probe axis)	
Dynamic Range	5 μ W/g – > 100 mW/g; Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 3.9 mm (body: 12 mm) Distance from probe tip to dipole centers: 3.0 mm	

< EX3DV4 Probe >

Construction	Symmetric design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – > 6 GHz Linearity: ± 0.2 dB (30 MHz – 6 GHz)	
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)	
Dynamic Range	10 μ W/g – > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 2.5 mm (body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

6.3 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

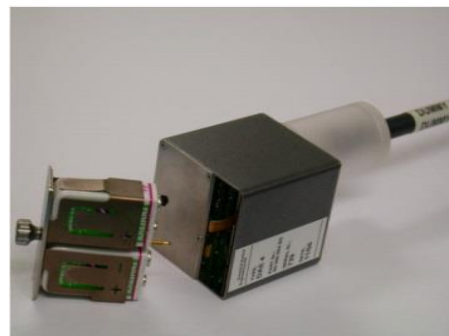


Fig 5.1 Photo of DAE

6.4 Phantom

< SAM Twin Phantom >

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm	
Filling Volume	Approx. 25 liters	
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet	
Measurement Areas	Left Hand, Right Hand, Flat Phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

< ELI Phantom >

Shell Thickness	2 ± 0.2 mm (sagging: < 1%)	
Filling Volume	Approx. 30 liters	
Dimensions	Major ellipse axis: 600 mm Minor axis: 400 mm	

The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

6.5 Device Holder

< Mounting Device for Hand-Held Transmitter >

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.



Mounting Device for Hand-Held Transmitters



Mounting Device Adaptor for Wide-Phones

< Mounting Device for Laptops and other Body-Worn Transmitters >

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.



Mounting Device for Laptops

7. Measurement Procedures

The measurement procedures are as follows:

- (a) Configure the device RF transmitters to be in continuous transmission mode., at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix D demonstrates.
- (c) Set scan area, grid size and other setting on the DASY software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

7.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

7.2 Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

7.3 Area Scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB0) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

Area scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}	≤ 2 GHz: ≤ 15 mm $2 - 3$ GHz: ≤ 12 mm	$3 - 4$ GHz: ≤ 12 mm $4 - 6$ GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

7.4 Zoom Scan

Zoom scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 gram and 10 gram of simulated tissue. The zoom scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the zoom scan evaluates the averaged SAR for 1 gram and 10 gram and displays these values next to the job's label.

Zoom scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

7.5 Volume Scan Procedures

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

7.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASy measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

8. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1006	Oct. 15, 2024	Oct. 13, 2026
SPEAG	Data Acquisition Electronics	DAE4	656	Jan. 16, 2025	Jan. 15, 2026
SPEAG	Data Acquisition Electronics	DAE4	1424	Dec. 19, 2024	Dec. 18, 2025
SPEAG	Data Acquisition Electronics	DAE4	1805	May. 21, 2025	May. 20, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	3931	Oct. 23, 2025	Oct. 22, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7793	Feb. 18, 2025	Feb. 17, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7813	May. 21, 2025	May. 20, 2026
Testo	Hygro meter	608-H1	45142597	Jan. 09, 2025	Jan. 08, 2026
R&S	BT Base Station	CBT	100815	Feb. 26, 2025	Feb. 25, 2026
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3692C	113508	Jan. 22, 2025	Jan. 21, 2026
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 20, 2024	Oct. 19, 2025
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 14, 2025	Oct. 13, 2026
SPEAG	Dielectric Probe Kit	DAK-3.5	1146	Jul. 14, 2025	Jul. 13, 2026
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 14, 2025	Aug. 13, 2026
Anritsu	Power Meter	ML2495A	1804003	Aug. 18, 2025	Aug. 17, 2026
Anritsu	Power Sensor	MA2411B	1726150	Aug. 18, 2025	Aug. 17, 2026
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 09, 2025	Jul. 08, 2026
Mini-Circuits	Power Amplifier	ZVE-8G+	D120604	2024/10/16	Oct. 15, 2025
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

1. Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check source.
2. The dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval. The justification data in appendix C can be found which the return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration for each dipole.

9. System Verification

9.1 Tissue Verification

The tissue dielectric parameters of tissue-equivalent media used for SAR measurements must be characterized within a temperature range of 18°C to 25°C, measured with calibrated instruments and apparatuses, such as network analyzers and temperature probes. The temperature of the tissue-equivalent medium during SAR measurement must also be within 18°C to 25°C and within $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized. The tissue dielectric measurement system must be calibrated before use. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements.

The liquid tissue depth was at least 15cm in the phantom for all SAR testing

The SPEAG Dasy Measurement system implement a SAR error compensation algorithm as documented in IEEE Std 1528-2013 to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, according to KDB 865664 D01 and IEC/IEEE 62209-1528, the tolerance for "Delta (σ)" and "Delta (ϵ_r)" can be relaxed to $\pm 10\%$

< Tissue Dielectric Parameter Check Results >

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
5250	22.5	4.620	35.500	4.71	35.95	-1.91	-1.25	± 10	2025/10/3
5250	22.5	4.66	35.7	4.71	35.95	-1.06	-0.70	± 10	2025/10/5
5250	22.5	4.73	36.1	4.71	35.95	0.42	0.42	± 10	2025/10/8
5250	22.5	4.720	36.700	4.71	35.95	0.21	2.09	± 10	2025/10/13
5250	22.5	4.940	36.600	4.71	35.95	4.88	1.81	± 10	2025/10/21
5250	22.5	4.550	35.300	4.71	35.95	-3.40	-1.81	± 10	2025/11/6
5250	22.5	4.360	35.900	4.71	35.95	-7.43	-0.14	± 10	2025/11/8
5250	22.5	4.580	38.500	4.71	35.95	-2.76	7.09	± 10	2025/11/17
5250	22.5	4.560	38.200	4.71	35.95	-3.18	6.26	± 10	2025/12/10
5250	22.5	4.520	38.100	4.71	35.95	-4.03	5.98	± 10	2025/12/11
5600	22.5	4.880	35.400	5.07	35.50	-3.75	-0.28	± 10	2025/11/6
5600	22.5	4.980	37.900	5.07	35.50	-1.78	6.76	± 10	2025/11/17
5600	22.5	4.960	37.600	5.07	35.50	-2.17	5.92	± 10	2025/12/10
5600	22.5	4.920	37.500	5.07	35.50	-2.96	5.63	± 10	2025/12/11

9.2 System Performance Check Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR-18	2025/10/3	5250	47	D5GHzV2-1006-5250	EX3DV4 - SN7793	DAE4 Sn1805	3.420	80.600	72.766	-9.720	20.638	-9.481
SAR-18	2025/10/5	5250	47	D5GHzV2-1006-5250	EX3DV4 - SN7793	DAE4 Sn1805	3.530	80.600	75.106	-6.816	21.489	-5.748
SAR-18	2025/10/8	5250	47	D5GHzV2-1006-5250	EX3DV4 - SN7793	DAE4 Sn1805	3.510	80.600	74.681	-7.344	21.255	-6.775
SAR-18	2025/10/13	5250	47	D5GHzV2-1006-5250	EX3DV4 - SN7793	DAE4 Sn1805	3.600	80.600	76.596	-4.968	22.128	-2.949
SAR-18	2025/10/21	5250	47	D5GHzV2-1006-5250	EX3DV4 - SN7793	DAE4 Sn1805	3.880	80.600	82.553	2.423	23.830	4.517
SAR-18	2025/11/6	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN7793	DAE4 Sn1805	3.780	80.600	75.600	-6.203	21.800	-4.386
SAR-18	2025/11/8	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN7793	DAE4 Sn1805	4.180	80.600	83.600	3.722	23.400	2.632
SAR-20	2025/11/17	5250	48	D5GHzV2-1006-5250	EX3DV4 - SN7813	DAE4 Sn1424	3.510	80.600	73.125	-9.274	21.042	-7.712
SAR-19	2025/12/10	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN3931	DAE4 Sn656	3.680	80.600	73.600	-8.685	21.600	-5.263
SAR-19	2025/12/11	5250	50	D5GHzV2-1006-5250	EX3DV4 - SN3931	DAE4 Sn656	3.770	80.600	75.400	-6.452	22.000	-3.509
SAR-20	2025/11/6	5600	48	D5GHzV2-1006-5600	EX3DV4 - SN7813	DAE4 Sn1424	3.730	83.400	77.708	-6.825	22.292	-5.942
SAR-20	2025/11/17	5600	50	D5GHzV2-1006-5600	EX3DV4 - SN7813	DAE4 Sn1424	3.760	83.400	75.200	-9.832	21.600	-8.861
SAR-19	2025/12/10	5600	48	D5GHzV2-1006-5600	EX3DV4 - SN3931	DAE4 Sn656	3.880	83.400	80.833	-3.078	23.542	-0.668
SAR-19	2025/12/11	5600	50	D5GHzV2-1006-5600	EX3DV4 - SN3931	DAE4 Sn656	3.940	83.400	78.800	-5.516	22.800	-3.797

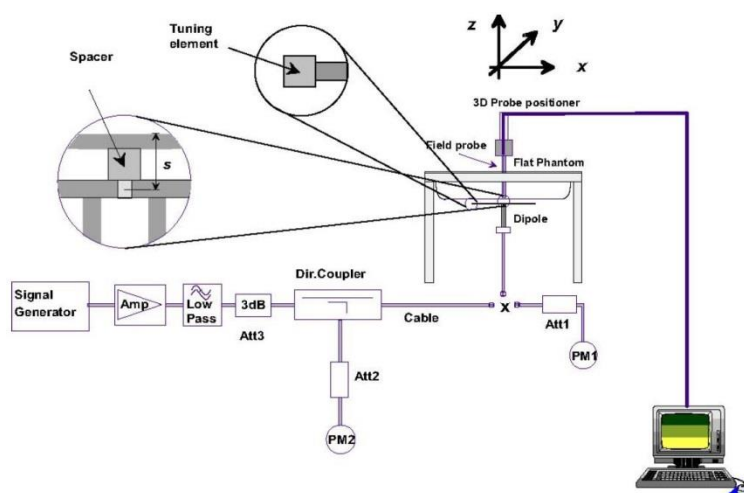


Fig 8.3.1 System Performance Check Setup



Fig 8.3.2 Setup Photo

10. WiFi Output Power (Unit: dBm)

General Note:

1. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
2. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
3. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
4. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
 - c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. Per 201904 TCBC workshops, General principles of FCC KDB Publication 248227 D01 can be applied to determine the SAR Initial Test Configurations and test reduction for 802.11ax SAR testing. For the table below the 802.11ax maximum power is SU (non-OFDMA), and the SU maximum power also higher than RU (OFDMA)
6. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing
7. For modes with the same maximum output power, the guidance from section 5.3.2 a) of FCC KDB Publication 248227 D01 should be applied, with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency bands
8. When SAR testing for 802.11ax is required
 - a. If the maximum output power is highest for OFDMA scenarios, choose the tone size with the maximum number of tones and the highest maximum output power
 - b. Otherwise, consider the fully allocated channel for SAR testing
 - c. When SAR testing is required on RU sizes less than the fully allocated channel, use the RU number closest to the middle of the channel, choosing the higher RU number when two RUs are equidistant to the middle of the channel

<Non-beamforming mode>
<Radio 1>
Indoor

					Ant 1		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	Nss1	52	5260	19.35	19.50	52.60
		Nss1	56	5280	19.32	19.50	
		Nss1	60	5300	19.11	19.50	
		Nss1	64	5320	17.69	18.00	
	802.11be-EHT20 MCS0	Nss1	52	5260	19.80	20.00	90.10
		Nss1	56	5280	19.63	20.00	
		Nss1	60	5300	19.72	20.00	
		Nss1	64	5320	16.45	16.50	
	802.11be-EHT40 MCS0	Nss1	54	5270	18.38	18.50	89.70
		Nss1	62	5310	17.60	18.00	
	802.11be-EHT80 MCS0	Nss1	58	5290	18.31	18.50	89.70

Indoor

					Ant 1+2 (1)		Ant 1+2 (2)		Ant 1+2		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	Nss1	52	5260	19.22	19.50	19.50	19.50	22.37	22.50	52.60
		Nss1	56	5280	19.21	19.50	19.41	19.50	22.32	22.50	
		Nss1	60	5300	19.15	19.50	19.04	19.50	22.11	22.50	
		Nss1	64	5320	18.88	19.00	18.29	19.00	21.61	22.00	
	802.11be-EHT20 MCS0	Nss2	52	5260	20.85	21.00	20.79	21.00	23.83	24.00	90.10
		Nss2	56	5280	20.35	21.00	20.58	21.00	23.48	24.00	
		Nss2	60	5300	20.21	20.50	20.17	20.50	23.20	23.50	
		Nss2	64	5320	19.75	20.00	19.29	20.00	22.54	23.00	
	802.11be-EHT40 MCS0	Nss2	54	5270	19.67	20.00	19.54	20.00	22.62	23.00	89.70
		Nss2	62	5310	17.97	18.00	17.66	18.00	20.83	21.00	
	802.11be-EHT80 MCS0	Nss2	58	5290	18.75	19.00	18.46	19.00	21.62	22.00	89.70

Indoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	Nss1	52	5260	17.49	17.50	17.31	17.50	17.02	17.50	17.29	17.50	23.30	23.50	52.60
		Nss1	56	5280	17.41	17.50	17.26	17.50	17.11	17.50	17.27	17.50	23.28	23.50	
		Nss1	60	5300	17.48	17.50	17.45	17.50	17.43	17.50	17.22	17.50	23.42	23.50	
		Nss1	64	5320	16.81	17.00	16.72	17.00	16.99	17.00	16.29	17.00	22.73	23.00	
	802.11be-EHT20 MCS0	Nss1	52	5260	17.74	18.00	17.98	18.00	17.42	18.00	17.69	18.00	23.73	24.00	90.10
		Nss1	56	5280	17.81	18.00	17.68	18.00	17.74	18.00	17.52	18.00	23.71	24.00	
		Nss1	60	5300	17.96	18.00	17.71	18.00	17.75	18.00	17.56	18.00	23.77	24.00	
		Nss1	64	5320	16.53	17.00	16.77	17.00	16.98	17.00	16.36	17.00	22.69	23.00	
	802.11be-EHT40 MCS0	Nss1	54	5270	16.93	17.00	16.97	17.00	16.99	17.00	16.27	17.00	22.82	23.00	89.70
		Nss1	62	5310	14.73	15.00	14.93	15.00	14.97	15.00	14.47	15.00	20.80	21.00	
	802.11be-EHT80 MCS0	Nss1	58	5290	14.55	15.00	14.67	15.00	14.69	15.00	14.16	15.00	20.54	21.00	89.70

Indoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11be-EHT20 MCS0	Nss4	52	5260	17.73	18.00	17.96	18.00	17.73	17.83	17.82	18.00	23.83	24.00	90.10
		Nss4	56	5280	17.88	18.00	17.82	18.00	17.73	17.79	17.65	18.00	23.79	24.00	
		Nss4	60	5300	17.98	18.00	17.89	18.00	17.82	17.87	17.72	18.00	23.87	24.00	
		Nss4	64	5320	17.67	18.00	17.74	18.00	17.65	17.69	17.63	18.00	23.69	24.00	
	802.11be-EHT40 MCS0	Nss4	54	5270	17.60	18.00	17.92	18.00	17.52	17.59	17.22	18.00	23.59	24.00	89.70
		Nss4	62	5310	15.52	16.00	15.81	16.00	15.53	15.57	15.34	16.00	21.57	22.00	
	802.11be-EHT80 MCS0	Nss4	58	5290	16.66	17.00	16.76	17.00	16.49	16.51	16.00	17.00	22.51	23.00	89.70
		Nss4	58	5290	16.66	17.00	16.76	17.00	16.49	16.51	16.00	17.00	22.51	23.00	

<Non-Beamforming Mode>
<Radio 2>
Indoor

					Ant 1		
5.3GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	Nss1	52	5260	20.85	21.00	52.60
		Nss1	56	5280	20.84	21.00	
		Nss1	60	5300	20.87	21.00	
		Nss1	64	5320	19.34	19.50	
	802.11be-EHT20 MCS0	Nss1	52	5260	20.90	21.00	90.10
		Nss1	56	5280	20.84	21.00	
		Nss1	60	5300	20.83	21.00	
		Nss1	64	5320	19.74	20.00	
	802.11be-EHT40 MCS0	Nss1	54	5270	20.66	21.00	89.99
		Nss1	62	5310	18.96	19.00	
	802.11be-EHT80 MCS0	Nss1	58	5290	18.78	19.00	89.70
	802.11be-EHT160 MCS0	Nss1	50	5250	14.54	15.00	89.40

Indoor

					Ant 1+2 (1)		Ant 1+2 (2)		Ant 1+2		
5.3GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	Nss1	52	5260	17.42	18.00	17.96	18.00	20.71	21.00	52.60
		Nss1	56	5280	17.21	18.00	17.98	18.00	20.62	21.00	
		Nss1	60	5300	17.29	18.00	17.98	18.00	20.66	21.00	
		Nss1	64	5320	17.24	18.00	17.99	18.00	20.64	21.00	
	802.11be-EHT20 MCS0	Nss2	52	5260	19.45	20.00	19.97	20.00	22.73	23.00	90.10
		Nss2	56	5280	19.81	20.00	19.96	20.00	22.90	23.00	
		Nss2	60	5300	19.74	20.00	19.95	20.00	22.86	23.00	
		Nss2	64	5320	19.01	19.50	19.46	19.50	22.25	22.50	
	802.11be-EHT40 MCS0	Nss2	54	5270	19.56	20.50	20.48	20.50	23.05	23.50	89.99
		Nss2	62	5310	17.97	19.00	18.99	19.00	21.52	22.00	
	802.11be-EHT80 MCS0	Nss2	58	5290	18.06	19.00	18.89	19.00	21.51	22.00	89.70
	802.11be-EHT160 MCS0	Nss2	50	5250	14.40	15.00	14.98	15.00	17.71	18.00	89.40

Indoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	Nss1	52	5260	13.65	14.00	13.98	14.00	13.82	14.00	13.96	14.00	19.88	20.00	52.60
		Nss1	56	5280	13.49	14.00	13.95	14.00	13.73	14.00	13.81	14.00	19.77	20.00	
		Nss1	60	5300	13.79	14.50	14.24	14.50	13.81	14.50	14.29	14.50	20.06	20.50	
		Nss1	64	5320	13.80	14.50	14.24	14.50	14.06	14.50	14.12	14.50	20.08	20.50	
	802.11be-EHT20 MCS0	Nss1	52	5260	14.79	15.50	15.44	15.50	15.10	15.50	15.31	15.50	21.19	21.50	90.10
		Nss1	56	5280	14.77	15.50	15.41	15.50	15.13	15.50	15.27	15.50	21.17	21.50	
		Nss1	60	5300	14.64	15.50	15.49	15.50	14.81	15.50	15.16	15.50	21.06	21.50	
		Nss1	64	5320	14.79	15.50	15.39	15.50	15.13	15.50	15.30	15.50	21.18	21.50	
	802.11be-EHT40 MCS0	Nss1	54	5270	16.55	17.00	16.99	17.00	16.53	17.00	16.88	17.00	22.76	23.00	89.99
		Nss1	62	5310	16.77	17.50	17.48	17.50	16.71	17.50	16.92	17.50	23.00	23.50	
	802.11be-EHT80 MCS0	Nss1	58	5290	16.43	17.50	17.41	17.50	17.26	17.50	17.14	17.50	23.10	23.50	89.70
	802.11be-EHT160 MCS0	Nss1	50	5250	12.42	13.50	13.22	13.50	12.83	13.50	13.49	13.50	19.03	19.50	89.40

Indoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11be-EHT20 MCS0	Nss4	52	5260	16.69	17.50	17.42	17.50	16.69	17.50	17.15	17.50	23.02	23.50	90.10
		Nss4	56	5280	16.61	17.50	17.39	17.50	16.72	17.50	17.22	17.50	23.02	23.50	
		Nss4	60	5300	16.64	17.00	16.97	17.00	16.68	17.00	16.93	17.00	22.83	23.00	
		Nss4	64	5320	17.02	17.50	17.29	17.50	16.99	17.50	16.99	17.50	23.09	23.50	
	802.11be-EHT40 MCS0	Nss4	54	5270	16.86	17.50	17.48	17.50	16.75	17.50	17.04	17.50	23.06	23.50	89.99
		Nss4	62	5310	16.75	17.50	17.45	17.50	16.73	17.50	16.97	17.50	23.01	23.50	
	802.11be-EHT80 MCS0	Nss4	58	5290	16.61	17.50	17.29	17.50	17.26	17.50	17.01	17.50	23.07	23.50	89.70
	802.11be-EHT160 MCS0	Nss4	50	5250	9.50	10.50	10.29	10.50	9.89	10.50	10.47	10.50	16.07	16.50	89.40

Indoor

					Ant 1		
5.5GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	Nss1	100	5500	19.88	20.50	52.60
		Nss1	116	5580	20.25	20.50	
		Nss1	124	5620	20.31	20.50	
		Nss1	132	5660	20.25	20.50	
		Nss1	140	5700	15.59	16.00	
		Nss1	144	5720	20.23	20.50	
	802.11be-EHT20 MCS0	Nss1	100	5500	20.08	20.50	90.10
		Nss1	116	5580	20.45	20.50	
		Nss1	124	5620	20.47	20.50	
		Nss1	132	5660	20.23	20.50	
		Nss1	140	5700	14.64	15.00	
		Nss1	144	5720	19.79	20.00	
	802.11be-EHT40 MCS0	Nss1	102	5510	19.83	20.00	89.99
		Nss1	110	5550	20.24	20.50	
		Nss1	126	5630	20.13	20.50	
		Nss1	134	5670	18.88	19.00	
		Nss1	142	5710	20.36	20.50	
	802.11be-EHT80 MCS0	Nss1	106	5530	18.94	19.00	89.70
		Nss1	122	5610	20.16	20.50	
		Nss1	138	5690	20.28	20.50	
	802.11be-EHT160 MCS0	Nss1	114	5570	16.65	17.00	89.40

Indoor

					Ant 1+2 (1)		Ant 1+2 (2)		Ant 1+2		
5.5GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	Nss1	100	5500	17.84	18.50	18.47	18.50	21.18	21.50	52.60
		Nss1	116	5580	17.44	18.50	18.49	18.50	21.01	21.50	
		Nss1	124	5620	17.65	18.50	18.37	18.50	21.04	21.50	
		Nss1	132	5660	17.62	18.50	18.33	18.50	21.00	21.50	
		Nss1	140	5700	15.49	16.50	16.47	16.50	19.02	19.50	
		Nss1	144	5720	17.81	18.50	18.49	18.50	21.17	21.50	
	802.11be-EHT20 MCS0	Nss2	100	5500	19.02	19.50	19.49	19.50	22.27	22.50	90.10
		Nss2	116	5580	19.69	20.50	20.48	20.50	23.11	23.50	
		Nss2	124	5620	19.74	20.50	20.47	20.50	23.13	23.50	
		Nss2	132	5660	19.76	20.50	20.43	20.50	23.12	23.50	
		Nss2	140	5700	15.36	15.50	15.49	15.50	18.44	18.50	
		Nss2	144	5720	19.39	20.00	19.97	20.00	22.70	23.00	
	802.11be-EHT40 MCS0	Nss2	102	5510	18.67	19.50	19.47	19.50	22.10	22.50	89.99
		Nss2	110	5550	19.64	20.50	20.48	20.50	23.09	23.50	
		Nss2	126	5630	19.52	20.50	20.45	20.50	23.02	23.50	
		Nss2	134	5670	18.92	19.50	19.49	19.50	22.22	22.50	
		Nss2	142	5710	19.74	20.50	20.47	20.50	23.13	23.50	
	802.11be-EHT80 MCS0	Nss2	106	5530	19.49	20.00	19.88	20.00	22.70	23.00	89.70
		Nss2	122	5610	19.84	20.50	20.23	20.50	23.05	23.50	
		Nss2	138	5690	19.93	20.50	20.37	20.50	23.17	23.50	
	802.11be-EHT160 MCS0	Nss2	114	5570	16.28	17.00	16.97	17.00	19.65	20.00	89.40

Indoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	Nss1	100	5500	13.09	13.50	13.49	13.50	13.23	13.50	13.47	13.50	19.34	19.50	52.60
		Nss1	116	5580	12.91	13.50	13.47	13.50	12.85	13.50	13.43	13.50	19.20	19.50	
		Nss1	124	5620	12.98	13.50	13.47	13.50	12.91	13.50	13.46	13.50	19.23	19.50	
		Nss1	132	5660	12.96	13.50	13.45	13.50	12.88	13.50	13.45	13.50	19.21	19.50	
		Nss1	140	5700	12.69	13.50	13.41	13.50	13.20	13.50	13.23	13.50	19.16	19.50	
		Nss1	144	5720	12.74	13.50	13.48	13.50	13.34	13.50	13.49	13.50	19.29	19.50	
	802.11be-EHT20 MCS0	Nss1	100	5500	14.55	15.00	14.98	15.00	14.49	15.00	14.87	15.00	20.75	21.00	90.10
		Nss1	116	5580	14.45	15.00	14.96	15.00	14.08	15.00	14.79	15.00	20.60	21.00	
		Nss1	124	5620	14.43	15.00	14.97	15.00	14.12	15.00	14.77	15.00	20.61	21.00	
		Nss1	132	5660	14.45	15.00	14.95	15.00	14.16	15.00	14.73	15.00	20.60	21.00	
		Nss1	140	5700	13.45	14.00	13.97	14.00	13.92	14.00	13.96	14.00	19.85	20.00	
		Nss1	144	5720	13.54	14.50	14.41	14.50	14.35	14.50	14.28	14.50	20.18	20.50	
	802.11be-EHT40 MCS0	Nss1	102	5510	16.51	17.50	17.50	17.50	17.09	17.50	17.47	17.50	23.18	23.50	89.99
		Nss1	110	5550	16.62	17.50	17.05	17.50	16.95	17.50	17.44	17.50	23.05	23.50	
		Nss1	126	5630	16.68	17.50	17.29	17.50	17.41	17.50	17.49	17.50	23.25	23.50	
		Nss1	134	5670	16.64	17.50	17.30	17.50	17.42	17.50	17.47	17.50	23.24	23.50	
		Nss1	142	5710	16.56	17.50	16.98	17.50	17.37	17.50	17.48	17.50	23.13	23.50	
		Nss1	142	5710	16.56	17.50	16.98	17.50	17.37	17.50	17.48	17.50	23.13	23.50	
	802.11be-EHT80 MCS0	Nss1	106	5530	16.18	16.50	16.39	16.50	16.28	16.50	16.46	16.50	22.35	22.50	89.70
		Nss1	122	5610	16.88	17.50	17.00	17.50	17.06	17.50	17.49	17.50	23.13	23.50	
		Nss1	138	5690	17.22	17.50	17.27	17.50	17.08	17.50	17.46	17.50	23.28	23.50	
	802.11be-EHT160 MCS0	Nss1	114	5570	14.29	15.00	14.77	15.00	14.87	15.00	14.98	15.00	20.76	21.00	89.40

Indoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11be-EHT20 MCS0	Nss4	100	5500	16.90	17.50	17.47	17.50	16.99	17.50	17.14	17.50	23.15	23.50	90.10
		Nss4	116	5580	16.93	17.50	17.48	17.50	16.90	17.50	17.39	17.50	23.20	23.50	
		Nss4	124	5620	16.88	17.50	17.47	17.50	17.02	17.50	17.24	17.50	23.18	23.50	
		Nss4	132	5660	16.82	17.50	17.45	17.50	17.06	17.50	17.28	17.50	23.18	23.50	
		Nss4	140	5700	13.78	14.50	14.47	14.50	14.48	14.50	14.38	14.50	20.31	20.50	
		Nss4	144	5720	16.12	17.00	16.95	17.00	16.79	17.00	16.87	17.00	22.72	23.00	
	802.11be-EHT40 MCS0	Nss4	102	5510	16.59	17.50	17.06	17.50	17.24	17.50	17.24	17.50	23.06	23.50	89.99
		Nss4	110	5550	16.66	17.50	17.22	17.50	16.83	17.50	17.48	17.50	23.08	23.50	
		Nss4	126	5630	16.57	17.50	17.21	17.50	17.29	17.50	17.43	17.50	23.16	23.50	
		Nss4	134	5670	16.60	17.50	17.24	17.50	17.32	17.50	17.46	17.50	23.19	23.50	
		Nss4	142	5710	16.50	17.50	17.03	17.50	17.45	17.50	17.48	17.50	23.15	23.50	
		Nss4	142	5710	16.50	17.50	17.03	17.50	17.45	17.50	17.48	17.50	23.15	23.50	
	802.11be-EHT80 MCS0	Nss4	106	5530	16.04	16.50	16.21	16.50	15.98	16.50	16.49	16.50	22.21	22.50	89.70
		Nss4	122	5610	17.04	17.50	17.17	17.50	17.01	17.50	17.42	17.50	23.18	23.50	
		Nss4	138	5690	17.00	17.50	17.27	17.50	16.99	17.50	17.42	17.50	23.19	23.50	
	802.11be-EHT160 MCS0	Nss4	114	5570	12.63	13.50	13.22	13.50	13.28	13.50	13.17	13.50	19.10	19.50	89.40

Outdoor

5.3GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Ant 1		
					Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11be-EHT160 MCS0	Nss1	50	5250	14.54	15.00	89.40

Outdoor

5.3GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Ant 1+2 (1)		Ant 1+2 (2)		Ant 1+2		
					Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11be-EHT160 MCS0	Nss2	50	5250	13.27	14.00	13.97	14.00	16.64	17.00	89.40

Outdoor

5.3GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
					Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11be-EHT160 MCS0	Nss1	50	5250	10.97	11.50	11.49	11.50	11.00	11.50	11.20	11.50	17.19	17.50	89.40

Outdoor

5.3GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
					Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11be-EHT160 MCS0	Nss4	50	5250	9.50	10.50	10.29	10.50	9.89	10.50	10.48	10.50	16.08	16.50	89.40

<Non-Beamforming Mode>
<Radio 4>
Indoor

	Mode	Nss	Channel	Frequency (MHz)	Ant 1+2 (1)		Ant 1+2 (2)		Ant 1+2		Duty Cycle %
					Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	Nss1	52	5260	18.08	18.50	18.48	18.50	21.29	21.50	53.90
		Nss1	56	5280	18.11	18.50	18.47	18.50	21.30	21.50	
		Nss1	60	5300	17.95	18.50	18.49	18.50	21.24	21.50	
		Nss1	64	5320	18.11	18.50	18.46	18.50	21.30	21.50	
	802.11be-EHT20 MCS0	Nss2	52	5260	19.85	20.50	20.29	20.50	23.09	23.50	92.80
		Nss2	56	5280	19.91	20.50	20.23	20.50	23.08	23.50	
		Nss2	60	5300	19.79	20.50	20.48	20.50	23.16	23.50	
		Nss2	64	5320	19.90	20.50	20.17	20.50	23.05	23.50	
	802.11be-EHT40 MCS0	Nss2	54	5270	19.98	20.50	20.43	20.50	23.22	23.50	93.10
		Nss2	62	5310	19.80	20.50	20.49	20.50	23.17	23.50	
	802.11be-EHT80 MCS0	Nss2	58	5290	19.69	20.50	20.47	20.50	23.11	23.50	92.50
	802.11be-EHT160 MCS0	Nss2	50	5250	17.06	17.50	17.33	17.50	20.21	20.50	90.40

Indoor

	Mode	Nss	Channel	Frequency (MHz)	Ant 1+2 (1)		Ant 1+2 (2)		Ant 1+2		Duty Cycle %
					Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	Nss1	100	5500	17.17	17.50	17.47	17.50	20.33	20.50	53.90
		Nss1	116	5580	17.15	17.50	17.49	17.50	20.33	20.50	
		Nss1	124	5620	17.13	17.50	17.46	17.50	20.31	20.50	
		Nss1	132	5660	17.19	17.50	17.42	17.50	20.32	20.50	
		Nss1	140	5700	17.40	18.00	17.79	18.00	20.61	21.00	
		Nss1	144	5720	16.85	17.00	16.97	17.00	19.92	20.00	
	802.11be-EHT20 MCS0	Nss2	100	5500	19.46	20.00	19.96	20.00	22.73	23.00	92.80
		Nss2	116	5580	19.82	20.00	19.80	20.00	22.82	23.00	
		Nss2	124	5620	19.74	20.00	19.86	20.00	22.81	23.00	
		Nss2	132	5660	19.76	20.00	19.82	20.00	22.80	23.00	
		Nss2	140	5700	16.55	17.00	16.80	17.00	19.69	20.00	
		Nss2	144	5720	18.98	19.00	18.91	19.00	21.96	22.00	
	802.11be-EHT40 MCS0	Nss2	102	5510	19.54	20.00	19.98	20.00	22.78	23.00	93.10
		Nss2	110	5550	19.64	20.00	19.77	20.00	22.72	23.00	
		Nss2	126	5630	19.53	20.00	19.74	20.00	22.65	23.00	
		Nss2	134	5670	18.85	19.50	19.28	19.50	22.08	22.50	
		Nss2	142	5710	19.89	20.00	19.58	20.00	22.75	23.00	
	802.11be-EHT80 MCS0	Nss2	106	5530	19.46	20.00	19.95	20.00	22.72	23.00	92.50
		Nss2	122	5610	18.66	19.00	18.79	19.00	21.74	22.00	
		Nss2	138	5690	19.97	20.00	19.84	20.00	22.92	23.00	
	802.11be-EHT160 MCS0	Nss2	114	5570	18.93	19.50	19.47	19.50	22.22	22.50	90.40

Outdoor

5.3GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Ant 1+2 (1)		Ant 1+2 (2)		Ant 1+2		
					Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11be-EHT160 MCS0	Nss2	50	5250	13.43	14.00	13.98	14.00	16.72	17.00	90.40

<Beamforming mode>
<Radio 1>
Indoor

5.3GHz WLAN	Mode	Nss	Channel	Frequency (MHz)	Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
					Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11be-EHT20 MCS0	Nss1	52	5260	17.74	18.00	17.98	18.00	17.42	18.00	17.69	18.00	23.73	24.00	90.10
		Nss1	56	5280	17.81	18.00	17.68	18.00	17.74	18.00	17.52	18.00	23.71	24.00	
		Nss1	60	5300	17.96	18.00	17.71	18.00	17.75	18.00	17.56	18.00	23.77	24.00	
		Nss1	64	5320	16.53	17.00	16.77	17.00	16.98	17.00	16.36	17.00	22.69	23.00	
	802.11be-EHT40 MCS0	Nss1	54	5270	16.93	17.00	16.97	17.00	16.99	17.00	16.27	17.00	22.82	23.00	89.70
		Nss1	62	5310	14.73	15.00	14.93	15.00	14.97	15.00	14.47	15.00	20.80	21.00	
	802.11be-EHT80 MCS0	Nss1	58	5290	14.55	15.00	14.67	15.00	14.69	15.00	14.16	15.00	20.54	21.00	89.70
		Nss1	58	5290	14.55	15.00	14.67	15.00	14.69	15.00	14.16	15.00	20.54	21.00	

<Beamforming mode>
<Radio 2>
Indoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11be-EHT20 MCS0	Nss1	52	5260	14.71	15.50	15.37	15.50	15.07	15.50	15.20	15.50	21.11	21.50	90.10
		Nss1	56	5280	14.62	15.50	15.33	15.50	15.02	15.50	15.13	15.50	21.05	21.50	
		Nss1	60	5300	14.64	15.50	15.49	15.50	14.81	15.50	15.16	15.50	21.06	21.50	
		Nss1	64	5320	14.57	15.00	14.97	15.00	14.98	15.00	14.96	15.00	20.89	21.00	
	802.11be-EHT40 MCS0	Nss1	54	5270	14.74	15.50	15.49	15.50	14.60	15.50	15.05	15.50	21.00	21.50	89.99
		Nss1	62	5310	14.60	15.50	15.49	15.50	14.67	15.50	15.10	15.50	21.00	21.50	
	802.11be-EHT80 MCS0	Nss1	58	5290	14.43	15.00	14.98	15.00	14.95	15.00	14.65	15.00	20.78	21.00	89.70
	802.11be-EHT160 MCS0	Nss1	50	5250	12.42	13.50	13.22	13.50	12.83	13.50	13.49	13.50	19.03	19.50	89.40

Indoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11be-EHT20 MCS0	Nss1	100	5500	14.08	14.50	14.47	14.50	14.10	14.50	14.40	14.50	20.29	20.50	90.10
		Nss1	116	5580	13.95	14.50	14.49	14.50	13.91	14.50	14.39	14.50	20.21	20.50	
		Nss1	124	5620	14.03	14.50	14.47	14.50	14.18	14.50	14.37	14.50	20.29	20.50	
		Nss1	132	5660	14.01	14.50	14.49	14.50	14.21	14.50	14.38	14.50	20.30	20.50	
		Nss1	140	5700	13.45	14.00	13.98	14.00	13.92	14.00	13.96	14.00	19.85	20.00	
		Nss1	144	5720	13.54	14.50	14.41	14.50	14.35	14.50	14.28	14.50	20.18	20.50	
	802.11be-EHT40 MCS0	Nss1	102	5510	13.90	14.50	14.33	14.50	14.27	14.50	14.44	14.50	20.26	20.50	89.99
		Nss1	110	5550	13.82	14.50	14.21	14.50	14.05	14.50	14.47	14.50	20.16	20.50	
		Nss1	126	5630	13.98	14.50	14.26	14.50	14.09	14.50	14.43	14.50	20.21	20.50	
		Nss1	134	5670	13.84	14.50	14.37	14.50	14.49	14.50	14.49	14.50	20.33	20.50	
		Nss1	142	5710	13.75	14.50	14.12	14.50	14.50	14.50	14.48	14.50	20.24	20.50	
	802.11be-EHT80 MCS0	Nss1	106	5530	14.02	14.50	14.49	14.50	14.16	14.50	14.45	14.50	20.31	20.50	89.70
		Nss1	122	5610	14.37	14.50	14.35	14.50	14.37	14.50	14.48	14.50	20.41	20.50	
		Nss1	138	5690	14.24	14.50	14.44	14.50	14.33	14.50	14.47	14.50	20.39	20.50	
	802.11be-EHT160 MCS0	Nss1	114	5570	14.04	15.00	14.52	15.00	14.61	15.00	14.74	15.00	20.51	21.00	89.40

Outdoor

					Ant 1+2+3+4 (1)		Ant 1+2+3+4 (2)		Ant 1+2+3+4 (3)		Ant 1+2+3+4 (4)		Ant 1+2+3+4		
	Mode	Nss	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11be-EHT160 MCS0	Nss1	50	5250	8.98	9.50	9.47	9.50	9.34	9.50	9.39	9.50	15.32	15.50	89.40

11. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.

WLAN Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
3. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
4. For modes with the same maximum output power, the guidance from section 5.3.2 a) of FCC KDB Publication 248227 D01 should be applied, with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency bands.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

**11.1 Body SAR****< WLAN SAR >**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Nss	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5GHz	802.11be-EHT20 MCS0	Front Face	25mm	Ant 1	Radio1	Nss1	52	5260	19.80	20.00	1.047	90.1	1.110	-0.17	0.256	0.298
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 1	25mm	Ant 1	Radio1	Nss1	52	5260	19.80	20.00	1.047	90.1	1.110	0.17	0.203	0.236
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 2	25mm	Ant 1	Radio1	Nss1	52	5260	19.80	20.00	1.047	90.1	1.110	-0.13	0.020	0.023
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 4	25mm	Ant 1	Radio1	Nss1	52	5260	19.80	20.00	1.047	90.1	1.110	0	0.176	0.205
	WLAN5GHz	802.11be-EHT20 MCS0	Front Face	25mm	Ant 1+2	Radio1	Nss2	52	5260	23.83	24.00	1.040	90.1	1.110	-0.12	0.327	0.377
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 1	25mm	Ant 1+2	Radio1	Nss2	52	5260	23.83	24.00	1.040	90.1	1.110	-0.16	0.260	0.300
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 2	25mm	Ant 1+2	Radio1	Nss2	52	5260	23.83	24.00	1.040	90.1	1.110	-0.17	0.289	0.334
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 4	25mm	Ant 1+2	Radio1	Nss2	52	5260	23.83	24.00	1.040	90.1	1.110	-0.16	0.195	0.225
	WLAN5GHz	802.11be-EHT40 MCS0	Front Face	25mm	Ant 1+2+3+4	Radio1	Nss4	54	5270	23.59	24.00	1.098	89.7	1.115	0.07	0.233	0.285
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 1	25mm	Ant 1+2+3+4	Radio1	Nss4	54	5270	23.59	24.00	1.098	89.7	1.115	-0.09	0.170	0.208
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 2	25mm	Ant 1+2+3+4	Radio1	Nss4	54	5270	23.59	24.00	1.098	89.7	1.115	-0.18	0.163	0.200
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 4	25mm	Ant 1+2+3+4	Radio1	Nss4	54	5270	23.59	24.00	1.098	89.7	1.115	-0.11	0.206	0.252
	WLAN5GHz	802.11be-EHT40 MCS0	Front Face	25mm	Ant 1	Radio2	Nss1	54	5270	20.66	21	1.081	89.99	1.111	-0.14	0.296	0.355
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 1	25mm	Ant 1	Radio2	Nss1	54	5270	20.66	21	1.081	89.99	1.111	-0.14	0.001	0.001
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 2	25mm	Ant 1	Radio2	Nss1	54	5270	20.66	21	1.081	89.99	1.111	0.06	0.001	0.001
01	WLAN5GHz	802.11be-EHT40 MCS0	Edge 4	25mm	Ant 1	Radio2	Nss1	54	5270	20.66	21	1.081	89.99	1.111	-0.03	0.562	0.675
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 4	25mm	Ant 1	Radio2	Nss1	62	5310	18.96	20	1.271	89.99	1.111	-0.06	0.422	0.596
	WLAN5GHz	802.11be-EHT40 MCS0	Front Face	25mm	Ant 1+2	Radio2	Nss2	54	5270	23.05	23.50	1.108	89.99	1.111	-0.1	0.253	0.311
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 1	25mm	Ant 1+2	Radio2	Nss2	54	5270	23.05	23.50	1.108	89.99	1.111	0	0.001	0.001
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 2	25mm	Ant 1+2	Radio2	Nss2	54	5270	23.05	23.50	1.108	89.99	1.111	0.05	0.001	0.001
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 4	25mm	Ant 1+2	Radio2	Nss2	54	5270	23.05	23.50	1.108	89.99	1.111	0.12	0.446	0.549
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	25mm	Ant 1+2+3+4	Radio2	Nss1	58	5290	23.10	23.50	1.097	89.7	1.115	-0.17	0.225	0.275
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	25mm	Ant 1+2+3+4	Radio2	Nss1	58	5290	23.10	23.50	1.097	89.7	1.115	0	0.001	0.001
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	25mm	Ant 1+2+3+4	Radio2	Nss1	58	5290	23.10	23.50	1.097	89.7	1.115	-0.1	0.090	0.110
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	25mm	Ant 1+2+3+4	Radio2	Nss1	58	5290	23.10	23.50	1.097	89.7	1.115	-0.16	0.206	0.252
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	25mm	Ant 1	Radio2	Nss1	138	5690	20.28	20.50	1.052	89.7	1.115	0.02	0.303	0.355
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	25mm	Ant 1	Radio2	Nss1	138	5690	20.28	20.50	1.052	89.7	1.115	0.15	0.016	0.019
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	25mm	Ant 1	Radio2	Nss1	138	5690	20.28	20.50	1.052	89.7	1.115	0	0.001	0.001
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	25mm	Ant 1	Radio2	Nss1	138	5690	20.28	20.50	1.052	89.7	1.115	0.02	0.473	0.555
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	25mm	Ant 1+2	Radio2	Nss2	138	5690	23.17	23.50	1.080	89.7	1.115	-0.08	0.460	0.554
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	25mm	Ant 1+2	Radio2	Nss2	138	5690	23.17	23.50	1.080	89.7	1.115	0.04	0.001	0.001
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	25mm	Ant 1+2	Radio2	Nss2	138	5690	23.17	23.50	1.080	89.7	1.115	0.15	0.001	0.001
02	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	25mm	Ant 1+2	Radio2	Nss2	138	5690	23.17	23.50	1.080	89.7	1.115	-0.07	0.489	0.589
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	25mm	Ant 1+2+3+4	Radio2	Nss1	138	5690	23.28	23.50	1.052	89.7	1.115	-0.18	0.220	0.258
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	25mm	Ant 1+2+3+4	Radio2	Nss1	138	5690	23.28	23.50	1.052	89.7	1.115	0	0.001	0.001
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	25mm	Ant 1+2+3+4	Radio2	Nss1	138	5690	23.28	23.50	1.052	89.7	1.115	-0.02	0.001	0.001
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	25mm	Ant 1+2+3+4	Radio2	Nss1	138	5690	23.28	23.50	1.052	89.7	1.115	-0.04	0.227	0.266
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	25mm	Ant 1+2	Radio4	Nss2	58	5290	23.11	23.50	1.095	10	0.100	0.13	0.561	0.061
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	25mm	Ant 1+2	Radio4	Nss2	58	5290	23.11	23.50	1.095	10	0.100	-0.06	0.189	0.021
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	25mm	Ant 1+2	Radio4	Nss2	58	5290	23.11	23.50	1.095	10	0.100	-0.14	0.075	0.008
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	25mm	Ant 1+2	Radio4	Nss2	58	5290	23.11	23.50	1.095	10	0.100	0.09	0.117	0.013
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	25mm	Ant 1+2	Radio4	Nss2	138	5690	22.92	23.00	1.020	10	0.100	0.16	0.865	0.088
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	25mm	Ant 1+2	Radio4	Nss2	138	5690	22.92	23.00	1.020	10	0.100	0.11	0.097	0.010
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	25mm	Ant 1+2	Radio4	Nss2	138	5690	22.92	23.00	1.020	10	0.100	-0.14	0.057	0.006
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	25mm	Ant 1+2	Radio4	Nss2	138	5690	22.92	23.00	1.020	10	0.100	-0.17	0.098	0.010

**11.2 Extremity SAR****< WLAN SAR >**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Nss	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5GHz	802.11be-EHT20 MCS0	Front Face	0mm	Ant 1	Radio1	Nss1	52	5260	19.80	20.00	1.047	90.1	1.110	-0.09	0.940	1.092
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 1	0mm	Ant 1	Radio1	Nss1	52	5260	19.80	20.00	1.047	90.1	1.110	0.01	0.430	0.500
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 2	0mm	Ant 1	Radio1	Nss1	52	5260	19.80	20.00	1.047	90.1	1.110	0.09	0.009	0.010
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 4	0mm	Ant 1	Radio1	Nss1	52	5260	19.80	20.00	1.047	90.1	1.110	0.09	0.309	0.359
	WLAN5GHz	802.11be-EHT20 MCS0	Front Face	0mm	Ant 1+2	Radio1	Nss2	52	5260	23.83	24.00	1.040	90.1	1.110	-0.14	0.932	1.076
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 1	0mm	Ant 1+2	Radio1	Nss2	52	5260	23.83	24.00	1.040	90.1	1.110	-0.18	0.502	0.580
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 2	0mm	Ant 1+2	Radio1	Nss2	52	5260	23.83	24.00	1.040	90.1	1.110	-0.12	0.485	0.560
	WLAN5GHz	802.11be-EHT20 MCS0	Edge 4	0mm	Ant 1+2	Radio1	Nss2	52	5260	23.83	24.00	1.040	90.1	1.110	0.15	0.375	0.433
	WLAN5GHz	802.11be-EHT40 MCS0	Front Face	0mm	Ant 1+2+3+4	Radio1	Nss4	54	5270	23.59	24.00	1.098	89.7	1.115	-0.13	0.827	1.012
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 1	0mm	Ant 1+2+3+4	Radio1	Nss4	54	5270	23.59	24.00	1.098	89.7	1.115	0.1	0.302	0.370
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 2	0mm	Ant 1+2+3+4	Radio1	Nss4	54	5270	23.59	24.00	1.098	89.7	1.115	0.17	0.259	0.317
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 4	0mm	Ant 1+2+3+4	Radio1	Nss4	54	5270	23.59	24.00	1.098	89.7	1.115	0.01	0.250	0.306
03	WLAN5GHz	802.11be-EHT40 MCS0	Front Face	0mm	Ant 1	Radio2	Nss1	54	5270	20.66	21	1.081	89.99	1.111	0.12	1.200	1.441
	WLAN5GHz	802.11be-EHT40 MCS0	Front Face	0mm	Ant 1	Radio2	Nss1	62	5310	18.96	19	1.009	89.99	1.111	-0.12	0.874	0.980
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 1	0mm	Ant 1	Radio2	Nss1	54	5270	20.66	21	1.081	89.99	1.111	0.12	0.010	0.012
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 2	0mm	Ant 1	Radio2	Nss1	54	5270	20.66	21	1.081	89.99	1.111	0.08	0.012	0.014
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 4	0mm	Ant 1	Radio2	Nss1	54	5270	20.66	21	1.081	89.99	1.111	-0.05	0.988	1.187
	WLAN5GHz	802.11be-EHT40 MCS0	Front Face	0mm	Ant 1+2	Radio2	Nss2	54	5270	23.05	23.50	1.108	89.99	1.111	0.02	1.020	1.256
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 1	0mm	Ant 1+2	Radio2	Nss2	54	5270	23.05	23.50	1.108	89.99	1.111	0.12	0.022	0.027
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 2	0mm	Ant 1+2	Radio2	Nss2	54	5270	23.05	23.50	1.108	89.99	1.111	0.02	0.021	0.026
	WLAN5GHz	802.11be-EHT40 MCS0	Edge 4	0mm	Ant 1+2	Radio2	Nss2	54	5270	23.05	23.50	1.108	89.99	1.111	-0.05	0.757	0.932
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	0mm	Ant 1+2+3+4	Radio2	Nss1	58	5290	23.10	23.50	1.097	89.7	1.115	-0.13	0.440	0.538
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	0mm	Ant 1+2+3+4	Radio2	Nss1	58	5290	23.10	23.50	1.097	89.7	1.115	0.14	0.004	0.005
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	0mm	Ant 1+2+3+4	Radio2	Nss1	58	5290	23.10	23.50	1.097	89.7	1.115	-0.12	0.149	0.182
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	0mm	Ant 1+2+3+4	Radio2	Nss1	58	5290	23.10	23.50	1.097	89.7	1.115	-0.18	0.344	0.421
04	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	0mm	Ant 1	Radio2	Nss1	138	5690	20.28	20.50	1.052	89.7	1.115	0.14	0.991	1.162
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	0mm	Ant 1	Radio2	Nss1	122	5610	20.28	20.50	1.052	89.7	1.115	0.07	0.746	0.875
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	0mm	Ant 1	Radio2	Nss1	106	5530	18.94	19.00	1.014	89.7	1.115	-0.16	0.665	0.752
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	0mm	Ant 1	Radio2	Nss1	138	5690	20.28	20.50	1.052	89.7	1.115	-0.14	0.022	0.026
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	0mm	Ant 1	Radio2	Nss1	138	5690	20.28	20.50	1.052	89.7	1.115	0.11	0.004	0.005
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	0mm	Ant 1	Radio2	Nss1	138	5690	20.28	20.50	1.052	89.7	1.115	0	0.593	0.696
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	0mm	Ant 1+2	Radio2	Nss2	138	5690	23.17	23.50	1.080	89.7	1.115	-0.1	0.957	1.152
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	0mm	Ant 1+2	Radio2	Nss2	138	5690	23.17	23.50	1.080	89.7	1.115	-0.11	0.012	0.014
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	0mm	Ant 1+2	Radio2	Nss2	138	5690	23.17	23.50	1.080	89.7	1.115	0.17	0.017	0.020
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	0mm	Ant 1+2	Radio2	Nss2	138	5690	23.17	23.50	1.080	89.7	1.115	-0.14	0.489	0.589
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	0mm	Ant 1+2+3+4	Radio2	Nss1	138	5690	23.28	23.50	1.052	89.7	1.115	-0.1	0.426	0.500
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	0mm	Ant 1+2+3+4	Radio2	Nss1	138	5690	23.28	23.50	1.052	89.7	1.115	-0.11	0.001	0.001
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	0mm	Ant 1+2+3+4	Radio2	Nss1	138	5690	23.28	23.50	1.052	89.7	1.115	0.14	0.196	0.230
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	0mm	Ant 1+2+3+4	Radio2	Nss1	138	5690	23.28	23.50	1.052	89.7	1.115	-0.16	0.228	0.267
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	0mm	Ant 1+2	Radio4	Nss2	58	5290	23.11	23.50	1.095	10	0.100	-0.18	0.904	0.099
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	0mm	Ant 1+2	Radio4	Nss2	58	5290	23.11	23.50	1.095	10	0.100	-0.16	0.073	0.008
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	0mm	Ant 1+2	Radio4	Nss2	58	5290	23.11	23.50	1.095	10	0.100	0.01	0.019	0.002
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	0mm	Ant 1+2	Radio4	Nss2	58	5290	23.11	23.50	1.095	10	0.100	0.1	0.080	0.009
	WLAN5GHz	802.11be-EHT80 MCS0	Front Face	0mm	Ant 1+2	Radio4	Nss2	138	5690	22.92	23.00	1.020	10	0.100	-0.07	1.070	0.109
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 1	0mm	Ant 1+2	Radio4	Nss2	138	5690	22.92	23.00	1.020	10	0.100	-0.17	0.064	0.007
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 2	0mm	Ant 1+2	Radio4	Nss2	138	5690	22.92	23.00	1.020	10	0.100	0.19	0.039	0.004
	WLAN5GHz	802.11be-EHT80 MCS0	Edge 4	0mm	Ant 1+2	Radio4	Nss2	138	5690	22.92	23.00	1.020	10	0.100	0.18	0.065	0.007

12. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Body/ Extremity
1.	WLAN2.4/5/6GHz Ant 1 Radio1+WLAN5GHz Ant 1 Radio2+WLAN6GHz Ant 1 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 1 Radio5	Yes
2.	WLAN2.4/5/6GHz Ant 1 Radio1+WLAN5GHz Ant 1 Radio2+WLAN6GHz Ant 1 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 2 Radio5	Yes
3.	WLAN2.4/5/6GHz Ant 1 Radio1+WLAN5GHz Ant 1 Radio2+WLAN6GHz Ant 1 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 3 Radio5	Yes
4.	WLAN2.4/5/6GHz Ant 1 Radio1+WLAN5GHz Ant 1 Radio2+WLAN6GHz Ant 1 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 1 Radio5	Yes
5.	WLAN2.4/5/6GHz Ant 1 Radio1+WLAN5GHz Ant 1 Radio2+WLAN6GHz Ant 1 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 2 Radio5	Yes
6.	WLAN2.4/5/6GHz Ant 1 Radio1+WLAN5GHz Ant 1 Radio2+WLAN6GHz Ant 1 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 3 Radio5	Yes
7.	WLAN2.4/5/6GHz Ant 1+2 Radio1+WLAN5GHz Ant 1+2 Radio2+WLAN6GHz Ant 1+2 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 1 Radio5	Yes
8.	WLAN2.4/5/6GHz Ant 1+2 Radio1+WLAN5GHz Ant 1+2 Radio2+WLAN6GHz Ant 1+2 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 2 Radio5	Yes
9.	WLAN2.4/5/6GHz Ant 1+2 Radio1+WLAN5GHz Ant 1+2 Radio2+WLAN6GHz Ant 1+2 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 3 Radio5	Yes
10.	WLAN2.4/5/6GHz Ant 1+2 Radio1+WLAN5GHz Ant 1+2 Radio2+WLAN6GHz Ant 1+2 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 1 Radio5	Yes
11.	WLAN2.4/5/6GHz Ant 1+2 Radio1+WLAN5GHz Ant 1+2 Radio2+WLAN6GHz Ant 1+2 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 2 Radio5	Yes
12.	WLAN2.4/5/6GHz Ant 1+2 Radio1+WLAN5GHz Ant 1+2 Radio2+WLAN6GHz Ant 1+2 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 3 Radio5	Yes
13.	WLAN2.4/5/6GHz Ant 1+2+3+4 Radio1+WLAN5GHz Ant 1+2+3+4 Radio2+WLAN6GHz Ant 1+2+3+4 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 1 Radio5	Yes
14.	WLAN2.4/5/6GHz Ant 1+2+3+4 Radio1+WLAN5GHz Ant 1+2+3+4 Radio2+WLAN6GHz Ant 1+2+3+4 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 2 Radio5	Yes
15.	WLAN2.4/5/6GHz Ant 1+2+3+4 Radio1+WLAN5GHz Ant 1+2+3+4 Radio2+WLAN6GHz Ant 1+2+3+4 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+Bluetooth Ant 3 Radio5	Yes
16.	WLAN2.4/5/6GHz Ant 1+2+3+4 Radio1+WLAN5GHz Ant 1+2+3+4 Radio2+WLAN6GHz Ant 1+2+3+4 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 1 Radio5	Yes
17.	WLAN2.4/5/6GHz Ant 1+2+3+4 Radio1+WLAN5GHz Ant 1+2+3+4 Radio2+WLAN6GHz Ant 1+2+3+4 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 2 Radio5	Yes
18.	WLAN2.4/5/6GHz Ant 1+2+3+4 Radio1+WLAN5GHz Ant 1+2+3+4 Radio2+WLAN6GHz Ant 1+2+3+4 Radio3+WLAN2.4/5/6GHz Ant 1+2 Radio4+802.15.4 Ant 3 Radio5	Yes

General Note:

1. The Scaled SAR summation is calculated based on the same configuration and test position.
2. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation < 1g 1.6W/kg or 10g 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR, ≤ 0.1 for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg or 10g SAR < 4.0W/kg.

12.1 Body Exposure Conditions

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1+4+5+6+9	1+4+5+6+10	1+4+5+6+11	1+4+5+6+12	1+4+5+6+13	1+4+5+6+14	1+4+5+7+9	1+4+5+7+10	1+4+5+7+11	1+4+5+7+12	1+4+5+7+13	1+4+5+7+14	1+4+5+8+9	1+4+5+8+10	1+4+5+8+11	1+4+5+8+12	1+4+5+8+13	1+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio2	WLAN 6GHz Ant 1 Radio2	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front Face at 25mm	0.154	0.431	0.095	0.375	0.094	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	0.705	0.696	0.695	0.749	0.708	0.714	0.935	0.926	0.925	0.979	0.938	0.944	0.782	0.773	0.772	0.826	0.785	0.791
Edge 1 at 25mm	0.025	0.369	0.092	0.019	0.001	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.073	0.073	0.073	0.072	0.072	0.072	0.087	0.087	0.087	0.086	0.086	0.086	0.067	0.067	0.067	0.066	0.066	0.066
Edge 2 at 25mm	0.004	0.042	0.001	0.027	0.012	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.060	0.060	0.060	0.069	0.059	0.059	0.073	0.073	0.073	0.082	0.082	0.072	0.052	0.052	0.052	0.061	0.051	0.051
Edge 4 at 25mm	0.059	0.303	0.010	0.675	0.009	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	0.770	0.770	0.770	0.769	0.769	0.769	0.788	0.788	0.788	0.787	0.787	0.787	0.758	0.758	0.758	0.757	0.757	0.757

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	2+4+5+6+9	2+4+5+6+10	2+4+5+6+11	2+4+5+6+12	2+4+5+6+13	2+4+5+6+14	2+4+5+7+9	2+4+5+7+10	2+4+5+7+11	2+4+5+7+12	2+4+5+7+13	2+4+5+7+14	2+4+5+8+9	2+4+5+8+10	2+4+5+8+11	2+4+5+8+12	2+4+5+8+13	2+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio2	WLAN 6GHz Ant 1 Radio2	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front Face at 25mm	0.154	0.431	0.095	0.375	0.094	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	0.982	0.973	0.972	1.026	0.985	0.991	1.212	1.203	1.202	1.256	1.215	1.221	1.099	1.050	1.049	1.103	1.062	1.068
Edge 1 at 25mm	0.025	0.369	0.092	0.019	0.001	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.417	0.417	0.417	0.416	0.416	0.416	0.431	0.431	0.431	0.430	0.430	0.430	0.411	0.411	0.411	0.410	0.410	0.410
Edge 2 at 25mm	0.004	0.042	0.001	0.027	0.012	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.098	0.098	0.098	0.107	0.097	0.097	0.111	0.111	0.111	0.120	0.110	0.110	0.090	0.090	0.090	0.099	0.089	0.089
Edge 4 at 25mm	0.059	0.303	0.010	0.675	0.009	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	1.014	1.014	1.014	1.013	1.013	1.013	1.032	1.032	1.032	1.031	1.031	1.031	1.002	1.002	1.002	1.001	1.001	1.001

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	3+4+5+6+9	3+4+5+6+10	3+4+5+6+11	3+4+5+6+12	3+4+5+6+13	3+4+5+6+14	3+4+5+7+9	3+4+5+7+10	3+4+5+7+11	3+4+5+7+12	3+4+5+7+13	3+4+5+7+14	3+4+5+8+9	3+4+5+8+10	3+4+5+8+11	3+4+5+8+12	3+4+5+8+13	3+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio2	WLAN 6GHz Ant 1 Radio2	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant1 Radio5	Bluetooth Ant2 Radio5	Bluetooth Ant3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Front Face at 25mm	0.154	0.431	0.095	0.375	0.094	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	0.646	0.637	0.636	0.690	0.649	0.655	0.876	0.867	0.866	0.920	0.879	0.885	0.723	0.714	0.713	0.767	0.726	0.732
Edge 1 at 25mm	0.025	0.369	0.092	0.019	0.001	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.140	0.140	0.140	0.139	0.139	0.139	0.154	0.154	0.154	0.153	0.153	0.153	0.134	0.134	0.134	0.133	0.133	0.133
Edge 2 at 25mm	0.004	0.042	0.001	0.027	0.012	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.057	0.057	0.057	0.066	0.056	0.056	0.070	0.070	0.070	0.079	0.069	0.069	0.049	0.049	0.049	0.058	0.048	0.048
Edge 4 at 25mm	0.059	0.303	0.010	0.675	0.009	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	0.721	0.721	0.721	0.720	0.720	0.720	0.739	0.739	0.739	0.738	0.738	0.738	0.709	0.709	0.709	0.708	0.708	0.708



FCC SAR TEST REPORT

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1+4+5+6+9	1+4+5+6+10	1+4+5+6+11	1+4+5+6+12	1+4+5+6+13	1+4+5+6+14	1+4+5+7+9	1+4+5+7+10	1+4+5+7+11	1+4+5+7+12	1+4+5+7+13	1+4+5+7+14	1+4+5+8+9	1+4+5+8+10	1+4+5+8+11	1+4+5+8+12	1+4+5+8+13	1+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio2	WLAN 6GHz Ant 1+2 Radio2	WLAN 2.4GHz Ant 1+2 Radio3	WLAN 5GHz Ant 1+2 Radio3	WLAN 6GHz Ant 1+2 Radio3	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front Face at 25mm	0.361	0.483	0.104	0.554	0.108	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	1.105	1.096	1.095	1.149	1.108	1.114	1.335	1.326	1.325	1.379	1.338	1.344	1.182	1.173	1.172	1.226	1.185	1.191
Edge 1 at 25mm	0.055	0.447	0.100	0.041	0.098	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.222	0.222	0.222	0.221	0.221	0.221	0.236	0.236	0.236	0.235	0.235	0.235	0.216	0.216	0.216	0.215	0.215	0.215
Edge 2 at 25mm	0.020	0.420	0.022	0.094	0.017	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.148	0.148	0.148	0.157	0.147	0.147	0.161	0.161	0.161	0.170	0.160	0.160	0.140	0.140	0.140	0.149	0.139	0.139
Edge 4 at 25mm	0.113	0.296	0.026	0.668	0.014	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	0.822	0.822	0.822	0.821	0.821	0.821	0.840	0.840	0.840	0.839	0.839	0.839	0.810	0.810	0.810	0.809	0.809	0.809

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	2+4+5+6+9	2+4+5+6+10	2+4+5+6+11	2+4+5+6+12	2+4+5+6+13	2+4+5+6+14	2+4+5+7+9	2+4+5+7+10	2+4+5+7+11	2+4+5+7+12	2+4+5+7+13	2+4+5+7+14	2+4+5+8+9	2+4+5+8+10	2+4+5+8+11	2+4+5+8+12	2+4+5+8+13	2+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio2	WLAN 6GHz Ant 1+2 Radio2	WLAN 2.4GHz Ant 1+2 Radio3	WLAN 5GHz Ant 1+2 Radio3	WLAN 6GHz Ant 1+2 Radio3	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front Face at 25mm	0.361	0.483	0.104	0.554	0.108	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	1.227	1.218	1.217	1.271	1.230	1.236	1.457	1.448	1.447	1.501	1.460	1.466	1.304	1.295	1.294	1.348	1.307	1.313
Edge 1 at 25mm	0.055	0.447	0.100	0.041	0.098	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.614	0.614	0.614	0.613	0.613	0.613	0.628	0.628	0.628	0.627	0.627	0.627	0.608	0.608	0.608	0.607	0.607	0.607
Edge 2 at 25mm	0.020	0.420	0.022	0.094	0.017	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.548	0.548	0.548	0.557	0.547	0.547	0.561	0.561	0.561	0.570	0.560	0.560	0.540	0.540	0.540	0.549	0.539	0.539
Edge 4 at 25mm	0.113	0.296	0.026	0.668	0.014	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	1.005	1.005	1.005	1.004	1.004	1.004	1.023	1.023	1.023	1.022	1.022	1.022	0.993	0.993	0.993	0.992	0.992	0.992

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	3+4+5+6+9	3+4+5+6+10	3+4+5+6+11	3+4+5+6+12	3+4+5+6+13	3+4+5+6+14	3+4+5+7+9	3+4+5+7+10	3+4+5+7+11	3+4+5+7+12	3+4+5+7+13	3+4+5+7+14	3+4+5+8+9	3+4+5+8+10	3+4+5+8+11	3+4+5+8+12	3+4+5+8+13	3+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio2	WLAN 6GHz Ant 1+2 Radio2	WLAN 2.4GHz Ant 1+2 Radio3	WLAN 5GHz Ant 1+2 Radio3	WLAN 6GHz Ant 1+2 Radio3	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front Face at 25mm	0.361	0.483	0.104	0.554	0.108	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	0.848	0.839	0.838	0.892	0.851	0.857	1.078	1.069	1.068	1.122	1.081	1.087	0.925	0.916	0.915	0.969	0.928	0.934
Edge 1 at 25mm	0.055	0.447	0.100	0.041	0.098	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.267	0.267	0.267	0.266	0.266	0.266	0.281	0.281	0.281	0.280	0.280	0.280	0.261	0.261	0.261	0.260	0.260	0.260
Edge 2 at 25mm	0.020	0.420	0.022	0.094	0.017	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.150	0.150	0.150	0.159	0.149	0.149	0.163	0.163	0.163	0.172	0.162	0.162	0.142	0.142	0.142	0.151	0.141	0.141
Edge 4 at 25mm	0.113	0.296	0.026	0.668	0.014	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	0.735	0.735	0.735	0.734	0.734	0.734	0.753	0.753	0.753	0.752	0.752	0.752	0.723	0.723	0.723	0.722	0.722	0.722



FCC SAR TEST REPORT

Report No. : FA561916-03

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1+4+5+6+9	1+4+5+6+10	1+4+5+6+11	1+4+5+6+12	1+4+5+6+13	1+4+5+6+14	1+4+5+7+9	1+4+5+7+10	1+4+5+7+11	1+4+5+7+12	1+4+5+7+13	1+4+5+7+14	1+4+5+8+9	1+4+5+8+10	1+4+5+8+11	1+4+5+8+12	1+4+5+8+13	1+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1+2+3+4 Radio1	WLAN 5GHz Ant 1+2+3+4 Radio1	WLAN 6GHz Ant 1+2+3+4 Radio1	WLAN 5GHz Ant 1+2+3+4 Radio2	WLAN 6GHz Ant 1+2+3+4 Radio2	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front Face at 25mm	0.371	0.442	0.101	0.641	0.090	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	1.184	1.175	1.174	1.228	1.187	1.193	1.414	1.405	1.404	1.458	1.417	1.423	1.261	1.252	1.251	1.305	1.264	1.270
Edge 1 at 25mm	0.081	0.353	0.089	0.046	0.055	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.210	0.210	0.210	0.209	0.209	0.209	0.224	0.224	0.224	0.223	0.223	0.223	0.204	0.204	0.204	0.203	0.203	0.203
Edge 2 at 25mm	0.143	0.328	0.024	0.257	0.034	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.451	0.451	0.451	0.460	0.450	0.450	0.464	0.464	0.464	0.473	0.463	0.463	0.443	0.443	0.443	0.452	0.442	0.442
Edge 4 at 25mm	0.140	0.372	0.064	0.545	0.001	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	0.713	0.713	0.713	0.712	0.712	0.712	0.731	0.731	0.731	0.730	0.730	0.730	0.701	0.701	0.701	0.700	0.700	0.700

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	2+4+5+6+9	2+4+5+6+10	2+4+5+6+11	2+4+5+6+12	2+4+5+6+13	2+4+5+6+14	2+4+5+7+9	2+4+5+7+10	2+4+5+7+11	2+4+5+7+12	2+4+5+7+13	2+4+5+7+14	2+4+5+8+9	2+4+5+8+10	2+4+5+8+11	2+4+5+8+12	2+4+5+8+13	2+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1+2+3+4 Radio1	WLAN 5GHz Ant 1+2+3+4 Radio1	WLAN 6GHz Ant 1+2+3+4 Radio1	WLAN 5GHz Ant 1+2+3+4 Radio2	WLAN 6GHz Ant 1+2+3+4 Radio2	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant1 Radio5	Bluetooth Ant2 Radio5	Bluetooth Ant3 Radio5	802.15.4 Ant1 Radio5	802.15.4 Ant2 Radio5	802.15.4 Ant3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Front Face at 25mm	0.371	0.442	0.101	0.641	0.090	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	1.255	1.246	1.245	1.299	1.258	1.264	1.485	1.476	1.475	1.529	1.488	1.494	1.332	1.323	1.322	1.376	1.335	1.341
Edge 1 at 25mm	0.081	0.353	0.089	0.046	0.055	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.482	0.482	0.482	0.481	0.481	0.481	0.496	0.496	0.496	0.495	0.495	0.495	0.476	0.476	0.476	0.475	0.475	0.475
Edge 2 at 25mm	0.143	0.328	0.024	0.257	0.034	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.636	0.636	0.636	0.645	0.635	0.635	0.649	0.649	0.649	0.658	0.648	0.648	0.628	0.628	0.628	0.637	0.627	0.627
Edge 4 at 25mm	0.140	0.372	0.064	0.545	0.001	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	0.945	0.945	0.945	0.944	0.944	0.944	0.963	0.963	0.963	0.962	0.962	0.962	0.933	0.933	0.933	0.932	0.932	0.932

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	3+4+5+6+9	3+4+5+6+10	3+4+5+6+11	3+4+5+6+12	3+4+5+6+13	3+4+5+6+14	3+4+5+7+9	3+4+5+7+10	3+4+5+7+11	3+4+5+7+12	3+4+5+7+13	3+4+5+7+14	3+4+5+8+9	3+4+5+8+10	3+4+5+8+11	3+4+5+8+12	3+4+5+8+13	3+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1+2+3+4 Radio1	WLAN 5GHz Ant 1+2+3+4 Radio1	WLAN 6GHz Ant 1+2+3+4 Radio1	WLAN 5GHz Ant 1+2+3+4 Radio2	WLAN 6GHz Ant 1+2+3+4 Radio2	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant1 Radio5	Bluetooth Ant2 Radio5	Bluetooth Ant3 Radio5	802.15.4 Ant1 Radio5	802.15.4 Ant2 Radio5	802.15.4 Ant3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
Front Face at 25mm	0.371	0.442	0.101	0.641	0.090	0.070	0.300	0.147	0.012	0.003	0.002	0.056	0.015	0.021	0.914	0.905	0.904	0.958	0.917	0.923	1.144	1.135	1.134	1.188	1.147	1.153	0.991	0.982	0.981	1.035	0.994	1.000
Edge 1 at 25mm	0.081	0.353	0.089	0.046	0.055	0.026	0.040	0.020	0.002	0.002	0.002	0.001	0.001	0.001	0.218	0.218	0.218	0.217	0.217	0.217	0.232	0.232	0.232	0.231	0.231	0.231	0.212	0.212	0.212	0.211	0.211	0.211
Edge 2 at 25mm	0.143	0.328	0.024	0.257	0.034	0.015	0.028	0.007	0.002	0.002	0.002	0.011	0.001	0.001	0.332	0.332	0.332	0.341	0.331	0.331	0.345	0.345	0.345	0.354	0.344	0.344	0.324	0.324	0.324	0.333	0.323	0.323
Edge 4 at 25mm	0.140	0.372	0.064	0.545	0.001	0.025	0.043	0.013	0.002	0.002	0.002	0.001	0.001	0.001	0.637	0.637	0.637	0.636	0.636	0.636	0.655	0.655	0.655	0.654	0.654	0.654	0.625	0.625	0.625	0.624	0.624	0.624

**12.2 Extremity Exposure Conditions**

	1	2	3	4	5	6	7	8	9		11	12	13	14	1+4+5+6+9	1+4+5+6+10	1+4+5+6+11	1+4+5+6+12	1+4+5+6+13	1+4+5+6+14	1+4+5+7+9	1+4+5+7+12	1+4+5+7+13	1+4+5+7+14	1+4+5+8+9	1+4+5+8+10	1+4+5+8+11	1+4+5+8+12	1+4+5+8+13	1+4+5+8+14		
Exposure Position	WLAN 2.4GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio2	WLAN 6GHz Ant 1 Radio3	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed		
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
Front Face at 0mm	0.386	1.527	0.207	1.441	0.354	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	2.337	2.325	2.325	2.394	2.348	2.347	2.651	2.639	2.639	2.708	2.662	2.661	2.383	2.371	2.371	2.440	2.394	2.393
Edge 1 at 0mm	0.047	0.847	0.143	0.026	0.014	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.121	0.121	0.121	0.125	0.120	0.138	0.142	0.142	0.142	0.146	0.141	0.159	0.108	0.108	0.108	0.112	0.107	0.125
Edge 2 at 0mm	0.007	0.026	0.001	0.014	0.017	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	0.061	0.061	0.061	0.099	0.060	0.060	0.056	0.056	0.056	0.094	0.055	0.055	0.046	0.046	0.046	0.084	0.045	0.045
Edge 4 at 0mm	0.354	0.544	0.023	1.187	0.012	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	1.593	1.593	1.593	1.592	1.592	1.595	1.585	1.585	1.585	1.584	1.584	1.587	1.565	1.565	1.565	1.564	1.564	1.567

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	2+4+5+6+9	2+4+5+6+10	2+4+5+6+11	2+4+5+6+12	2+4+5+6+13	2+4+5+6+14	2+4+5+7+9	2+4+5+7+10	2+4+5+7+11	2+4+5+7+12	2+4+5+7+13	2+4+5+7+14	2+4+5+8+9	2+4+5+8+10	2+4+5+8+11	2+4+5+8+12	2+4+5+8+13	2+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio2	WLAN 6GHz Ant 1 Radio3	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Front Face at 0mm	0.386	1.527	0.207	1.441	0.354	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	3.478	3.466	3.466	3.535	3.489	3.488	3.792	3.780	3.780	3.849	3.803	3.802	3.524	3.512	3.512	3.581	3.535	3.534
Edge 1 at 0mm	0.047	0.847	0.143	0.026	0.014	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.921	0.921	0.921	0.925	0.920	0.938	0.942	0.942	0.942	0.946	0.941	0.959	0.908	0.908	0.908	0.912	0.907	0.925
Edge 2 at 0mm	0.007	0.026	0.001	0.014	0.017	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	0.080	0.080	0.080	0.118	0.079	0.079	0.075	0.075	0.075	0.113	0.074	0.074	0.065	0.065	0.065	0.103	0.064	0.064
Edge 4 at 0mm	0.354	0.544	0.023	1.187	0.012	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	1.783	1.783	1.783	1.782	1.782	1.785	1.775	1.775	1.775	1.774	1.774	1.777	1.755	1.755	1.755	1.754	1.754	1.757

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	3+4+5+6+9	3+4+5+6+10	3+4+5+6+11	3+4+5+6+12	3+4+5+6+13	3+4+5+6+14	3+4+5+7+9	3+4+5+7+10	3+4+5+7+11	3+4+5+7+12	3+4+5+7+13	3+4+5+7+14	3+4+5+8+9	3+4+5+8+10	3+4+5+8+11	3+4+5+8+12	3+4+5+8+13	3+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1 Radio1	WLAN 5GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio1	WLAN 6GHz Ant 1 Radio2	WLAN 6GHz Ant 1 Radio3	WLAN 2.4GHz Ant 1+2 Radio1	WLAN 5GHz Ant 1+2 Radio1	WLAN 6GHz Ant 1+2 Radio1	Bluetooth Ant 1 Radio5	Bluetooth Ant 2 Radio5	Bluetooth Ant 3 Radio5	802.15.4 Ant 1 Radio5	802.15.4 Ant 2 Radio5	802.15.4 Ant 3 Radio5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Front Face at 0mm	0.386	1.527	0.207	1.441	0.354	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	2.158	2.146	2.146	2.215	2.169	2.168	2.472	2.460	2.460	2.529	2.483	2.482	2.204	2.192	2.192	2.261	2.215	2.214
Edge 1 at 0mm	0.047	0.847	0.143	0.026	0.014	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.217	0.217	0.217	0.221	0.216	0.234	0.238	0.238	0.238	0.242	0.237	0.255	0.204	0.204	0.204	0.208	0.203	0.221
Edge 2 at 0mm	0.007	0.026	0.001	0.014	0.017	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	0.055	0.055	0.055	0.093	0.054	0.054	0.050	0.050	0.050	0.088	0.049	0.049	0.040	0.040	0.040	0.078	0.039	0.039
Edge 4 at 0mm	0.354	0.544	0.023	1.187	0.012	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	1.262	1.262	1.262	1.261	1.261	1.264	1.254	1.254	1.254	1.253	1.253	1.256	1.234	1.234	1.234	1.233	1.233	1.236



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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1+4+5+6+9	1+4+5+6+10	1+4+5+6+11	1+4+5+6+12	1+4+5+6+13	1+4+5+6+14	1+4+5+7+9	1+4+5+7+10	1+4+5+7+11	1+4+5+7+12	1+4+5+7+13	1+4+5+7+14	1+4+5+8+9	1+4+5+8+10	1+4+5+8+11	1+4+5+8+12	1+4+5+8+13	1+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1-2 Radiol1	WLAN 5GHz Ant 1-2 Radiol1	WLAN 6GHz Ant 1-2 Radiol1	WLAN 5GHz Ant 1-2 Radiol2	WLAN 6GHz Ant 1-2 Radiol2	WLAN 2.4GHz Ant 1-2 Radiol3	WLAN 5GHz Ant 1-2 Radiol3	WLAN 6GHz Ant 1-2 Radiol3	Bluetooth Ant 1 Radiol5	Bluetooth Ant 2 Radiol5	Bluetooth Ant 3 Radiol5	802.15.4 Ant 1 Radiol5	802.15.4 Ant 2 Radiol5	802.15.4 Ant 3 Radiol5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Front Face at 0mm	0.474	1.568	0.232	1.499	0.316	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	2.435	2.423	2.423	2.492	2.446	2.445	2.749	2.737	2.737	2.806	2.760	2.759	2.481	2.469	2.469	2.538	2.492	2.491
Edge 1 at 0mm	0.088	0.780	0.160	0.065	0.103	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.290	0.290	0.290	0.294	0.289	0.307	0.311	0.311	0.311	0.315	0.310	0.328	0.277	0.277	0.277	0.281	0.276	0.294
Edge 2 at 0mm	0.048	0.691	0.041	0.041	0.018	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	0.130	0.130	0.130	0.168	0.129	0.129	0.125	0.125	0.125	0.163	0.124	0.124	0.115	0.115	0.115	0.153	0.114	0.114
Edge 4 at 0mm	0.470	0.521	0.023	1.415	0.014	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	1.939	1.939	1.939	1.938	1.938	1.941	1.931	1.931	1.931	1.930	1.930	1.933	1.911	1.911	1.911	1.910	1.910	1.913

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	2+4+5+6+9	2+4+5+6+10	2+4+5+6+11	2+4+5+6+12	2+4+5+6+13	2+4+5+6+14	2+4+5+7+9	2+4+5+7+10	2+4+5+7+11	2+4+5+7+12	2+4+5+7+13	2+4+5+7+14	2+4+5+8+9	2+4+5+8+10	2+4+5+8+11	2+4+5+8+12	2+4+5+8+13	2+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1-2 Radiol1	WLAN 5GHz Ant 1-2 Radiol1	WLAN 6GHz Ant 1-2 Radiol1	WLAN 6GHz Ant 1-2 Radiol2	WLAN 6GHz Ant 1-2 Radiol3	WLAN 2.4GHz Ant 1-2 Radiol4	WLAN 5GHz Ant 1-2 Radiol4	WLAN 6GHz Ant 1-2 Radiol4	Bluetooth Ant 1 Radiol5	Bluetooth Ant 2 Radiol5	Bluetooth Ant 3 Radiol5	802.15.4 Ant 1 Radiol5	802.15.4 Ant 2 Radiol5	802.15.4 Ant 3 Radiol5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
Front Face at 0mm	0.474	1.568	0.232	1.499	0.316	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	3.529	3.517	3.517	3.596	3.540	3.539	3.843	3.831	3.831	3.900	3.854	3.853	3.575	3.563	3.563	3.632	3.586	3.585
Edge 1 at 0mm	0.088	0.780	0.160	0.005	0.103	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.982	0.982	0.982	0.986	0.981	0.999	1.003	1.003	1.003	1.007	1.002	1.020	0.969	0.969	0.969	0.973	0.968	0.986
Edge 2 at 0mm	0.048	0.691	0.041	0.041	0.018	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	0.773	0.773	0.773	0.811	0.772	0.772	0.768	0.768	0.768	0.806	0.767	0.767	0.758	0.758	0.758	0.796	0.757	0.757
Edge 4 at 0mm	0.470	0.521	0.023	1.415	0.014	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	1.990	1.990	1.990	1.989	1.989	1.992	1.982	1.982	1.982	1.981	1.981	1.984	1.962	1.962	1.962	1.961	1.961	1.964

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	3+4+5+6+9	3+4+5+6+10	3+4+5+6+11	3+4+5+6+12	3+4+5+6+13	3+4+5+6+14	3+4+5+7+9	3+4+5+7+10	3+4+5+7+11	3+4+5+7+12	3+4+5+7+13	3+4+5+7+14	3+4+5+8+9	3+4+5+8+10	3+4+5+8+11	3+4+5+8+12	3+4+5+8+13	3+4+5+8+14
Exposure Position	WLAN 2.4GHz Ant 1-2 Radiol1	WLAN 5GHz Ant 1-2 Radiol1	WLAN 6GHz Ant 1-2 Radiol1	WLAN 6GHz Ant 1-2 Radiol2	WLAN 6GHz Ant 1-2 Radiol3	WLAN 2.4GHz Ant 1-2 Radiol4	WLAN 5GHz Ant 1-2 Radiol4	WLAN 6GHz Ant 1-2 Radiol4	Bluetooth Ant 1 Radiol5	Bluetooth Ant 2 Radiol5	Bluetooth Ant 3 Radiol5	802.15.4 Ant 1 Radiol5	802.15.4 Ant 2 Radiol5	802.15.4 Ant 3 Radiol5	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Front Face at 0mm	0.474	1.568	0.232	1.499	0.316	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	2.193	2.181	2.181	2.250	2.204	2.203	2.507	2.495	2.495	2.564	2.518	2.517	2.239	2.227	2.227	2.296	2.250	2.249
Edge 1 at 0mm	0.088	0.780	0.160	0.005	0.103	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.362	0.362	0.362	0.366	0.361	0.379	0.383	0.383	0.383	0.387	0.382	0.400	0.349	0.349	0.349	0.353	0.348	0.366
Edge 2 at 0mm	0.048	0.691	0.041	0.041	0.018	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	0.123	0.123	0.123	0.161	0.122	0.122	0.118	0.118	0.118	0.156	0.117	0.117	0.108	0.108	0.108	0.146	0.107	0.107
Edge 4 at 0mm	0.470	0.521	0.023	1.415	0.014	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	1.492	1.492	1.492	1.491	1.491	1.494	1.484	1.484	1.484	1.483	1.483	1.486	1.464	1.464	1.464	1.463	1.463	1.466



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Exposure Position	1 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	2 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	3 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	4 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	5 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	6 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	7 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	8 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	9 Bluetooth Ant 1 Radio5 10g SAR (W/kg)	10 Bluetooth Ant 2 Radio5 10g SAR (W/kg)	11 Bluetooth Ant 3 Radio5 10g SAR (W/kg)	12 802.15.4 Ant 1 Radio5 10g SAR (W/kg)	13 802.15.4 Ant 2 Radio5 10g SAR (W/kg)	14 802.15.4 Ant 3 Radio5 10g SAR (W/kg)	1+4+5+6+9 Summed 10g SAR (W/kg)	1+4+5+6+10 Summed 10g SAR (W/kg)	1+4+5+6+11 Summed 10g SAR (W/kg)	1+4+5+6+12 Summed 10g SAR (W/kg)	1+4+5+6+13 Summed 10g SAR (W/kg)	1+4+5+6+14 Summed 10g SAR (W/kg)	1+4+5+7+9 Summed 10g SAR (W/kg)	1+4+5+7+10 Summed 10g SAR (W/kg)	1+4+5+7+11 Summed 10g SAR (W/kg)	1+4+5+7+12 Summed 10g SAR (W/kg)	1+4+5+7+13 Summed 10g SAR (W/kg)	1+4+5+7+14 Summed 10g SAR (W/kg)	1+4+5+8+9 Summed 10g SAR (W/kg)	1+4+5+8+10 Summed 10g SAR (W/kg)	1+4+5+8+11 Summed 10g SAR (W/kg)	1+4+5+8+12 Summed 10g SAR (W/kg)	1+4+5+8+13 Summed 10g SAR (W/kg)	1+4+5+8+14 Summed 10g SAR (W/kg)
Front Face at 0mm	0.519	1.601	0.210	0.896	0.181	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	1.752	1.740	1.740	1.809	1.763	1.762	2.066	2.054	2.054	2.123	2.077	2.076	1.798	1.786	1.786	1.855	1.809	1.808
Edge 1 at 0mm	0.125	0.604	0.149	0.039	0.045	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.243	0.243	0.243	0.247	0.242	0.260	0.264	0.264	0.264	0.268	0.263	0.281	0.230	0.230	0.230	0.224	0.229	0.247
Edge 2 at 0mm	0.529	0.515	0.043	0.603	0.031	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	1.186	1.186	1.186	1.224	1.185	1.185	1.181	1.181	1.181	1.219	1.180	1.180	1.171	1.171	1.171	1.209	1.170	1.170
Edge 4 at 0mm	0.348	0.492	0.092	0.829	0.001	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	1.218	1.218	1.218	1.217	1.217	1.220	1.210	1.210	1.210	1.209	1.209	1.212	1.190	1.190	1.190	1.189	1.189	1.182

Exposure Position	1 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	2 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	3 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	4 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	5 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	6 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	7 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	8 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	9 Bluetooth Ant 1 Radio5 10g SAR (W/kg)	10 Bluetooth Ant 2 Radio5 10g SAR (W/kg)	11 Bluetooth Ant 3 Radio5 10g SAR (W/kg)	12 802.15.4 Ant 1 Radio5 10g SAR (W/kg)	13 802.15.4 Ant 2 Radio5 10g SAR (W/kg)	14 802.15.4 Ant 3 Radio5 10g SAR (W/kg)	2+4+5+6+9 Summed 10g SAR (W/kg)	2+4+5+6+10 Summed 10g SAR (W/kg)	2+4+5+6+11 Summed 10g SAR (W/kg)	2+4+5+6+12 Summed 10g SAR (W/kg)	2+4+5+6+13 Summed 10g SAR (W/kg)	2+4+5+6+14 Summed 10g SAR (W/kg)	2+4+5+7+9 Summed 10g SAR (W/kg)	2+4+5+7+10 Summed 10g SAR (W/kg)	2+4+5+7+11 Summed 10g SAR (W/kg)	2+4+5+7+12 Summed 10g SAR (W/kg)	2+4+5+7+13 Summed 10g SAR (W/kg)	2+4+5+7+14 Summed 10g SAR (W/kg)	2+4+5+8+9 Summed 10g SAR (W/kg)	2+4+5+8+10 Summed 10g SAR (W/kg)	2+4+5+8+11 Summed 10g SAR (W/kg)	2+4+5+8+12 Summed 10g SAR (W/kg)	2+4+5+8+13 Summed 10g SAR (W/kg)	2+4+5+8+14 Summed 10g SAR (W/kg)
Front Face at 0mm	0.519	1.601	0.210	0.896	0.181	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	2.834	2.822	2.822	2.891	2.845	2.844	3.148	3.136	3.136	3.205	3.159	3.158	2.880	2.868	2.868	2.937	2.891	2.890
Edge 1 at 0mm	0.125	0.604	0.149	0.039	0.045	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.722	0.722	0.722	0.726	0.721	0.739	0.743	0.743	0.743	0.747	0.742	0.760	0.709	0.709	0.709	0.713	0.708	0.726
Edge 2 at 0mm	0.529	0.515	0.043	0.603	0.031	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	1.172	1.172	1.172	1.210	1.171	1.171	1.167	1.167	1.167	1.205	1.166	1.166	1.157	1.157	1.157	1.195	1.156	1.156
Edge 4 at 0mm	0.348	0.492	0.092	0.829	0.001	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	1.362	1.362	1.362	1.361	1.361	1.364	1.354	1.354	1.354	1.353	1.353	1.356	1.334	1.334	1.334	1.333	1.333	1.336

Exposure Position	1 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	2 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	3 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	4 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	5 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	6 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	7 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	8 WLAN 2.4GHz Ant 1 1-2+3+4 Radio1 10g SAR (W/kg)	9 Bluetooth Ant 1 Radio5 10g SAR (W/kg)	10 Bluetooth Ant 2 Radio5 10g SAR (W/kg)	11 Bluetooth Ant 3 Radio5 10g SAR (W/kg)	12 802.15.4 Ant 1 Radio5 10g SAR (W/kg)	13 802.15.4 Ant 2 Radio5 10g SAR (W/kg)	14 802.15.4 Ant 3 Radio5 10g SAR (W/kg)	3+4+5+6+9 Summed 10g SAR (W/kg)	3+4+5+6+10 Summed 10g SAR (W/kg)	3+4+5+6+11 Summed 10g SAR (W/kg)	3+4+5+6+12 Summed 10g SAR (W/kg)	3+4+5+6+13 Summed 10g SAR (W/kg)	3+4+5+6+14 Summed 10g SAR (W/kg)	3+4+5+7+9 Summed 10g SAR (W/kg)	3+4+5+7+10 Summed 10g SAR (W/kg)	3+4+5+7+11 Summed 10g SAR (W/kg)	3+4+5+7+12 Summed 10g SAR (W/kg)	3+4+5+7+13 Summed 10g SAR (W/kg)	3+4+5+7+14 Summed 10g SAR (W/kg)	3+4+5+8+9 Summed 10g SAR (W/kg)	3+4+5+8+10 Summed 10g SAR (W/kg)	3+4+5+8+11 Summed 10g SAR (W/kg)	3+4+5+8+12 Summed 10g SAR (W/kg)	3+4+5+8+13 Summed 10g SAR (W/kg)	3+4+5+8+14 Summed 10g SAR (W/kg)
Front Face at 0mm	0.519	1.601	0.210	0.896	0.181	0.142	0.456	0.188	0.014	0.002	0.002	0.071	0.025	0.024	1.443	1.431	1.431	1.500	1.454	1.453	1.757	1.745	1.745	1.814	1.768	1.767	1.489	1.477	1.477	1.546	1.500	1.499
Edge 1 at 0mm	0.125	0.604	0.149	0.039	0.045	0.032	0.053	0.019	0.002	0.002	0.002	0.006	0.001	0.019	0.267	0.267	0.267	0.271	0.266	0.284	0.288	0.288	0.288	0.292	0.287	0.305	0.254	0.254	0.254	0.258	0.253	0.271
Edge 2 at 0mm	0.529	0.515	0.043	0.603	0.031	0.021	0.016	0.006	0.002	0.002	0.002	0.040	0.001	0.001	0.700	0.700	0.700	0.738	0.699	0.699	0.695	0.695	0.695	0.733	0.694	0.694	0.685	0.685	0.685	0.723	0.684	0.684
Edge 4 at 0mm	0.348	0.492	0.092	0.829	0.001	0.038	0.030	0.010	0.002	0.002	0.002	0.001	0.001	0.004	0.962	0.962	0.962	0.961	0.961	0.964	0.954	0.954	0.954	0.953	0.953	0.956	0.934	0.934	0.934	0.933	0.933	0.936

Test Engineer : White Huang, Tommy Chen and Jordar Jhuang

13. Uncertainty Assessment

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	$1/k^{(b)}$	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) k is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Applicable for SAR Measurements:

Uncertainty Budget (4 MHz - 10 GHz range)							
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	18.60	N	2	1	1	9.3	9.3
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.9	3.9
Linearity	4.70	R	1.732	1	1	2.7	2.7
Modulation Response	4.68	R	1.732	1	1	2.7	2.7
System Detection Limits	1.00	R	1.732	1	1	0.6	0.6
Boundary Effects	2.00	R	1.732	1	1	1.2	1.2
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.00	R	1.732	1	1	0.0	0.0
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.00	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.00	R	1.732	1	1	1.7	1.7
Probe Positioner	0.40	R	1.732	1	1	0.2	0.2
Probe Positioning	6.70	R	1.732	1	1	3.9	3.9
Post-processing	4.00	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Holder	3.60	N	1	1	1	3.6	3.6
Test sample Positioning	3.03	N	1	1	1	3.0	3.0
Power Scaling	0.00	R	1.732	1	1	0.0	0.0
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty	7.60	R	1.732	1	1	4.4	4.4
SAR correction	0.00	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.03	N	1	0.78	0.77	0.0	0.0
Liquid Conductivity (target)	5.00	R	1.732	0.78	0.77	2.3	2.2
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.77	1.1	1.1
Temp. unc. - Conductivity	3.68	R	1.732	0.78	0.77	1.7	1.6
Liquid Permittivity Repeatability	0.02	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.00	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.84	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						14.5%	14.2%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.4%

Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependence	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dependent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					2.68

14. References

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- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
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- [10] SPEAG DASY6 System Handbook
- [11] SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)