

FCC SAR TEST REPORT

FCC ID : 2AYOA-4010
Equipment : AI GLASSES
Brand Name : Ray-Ban Meta or Ray-Ban
Model Name : RW7001, RW7002
Applicant : Luxottica Group S.p.A.
Piazzale Cadorna 3 20123 Milan, Italy
Manufacturer : Luxottica Group S.p.A.
Piazzale Cadorna 3 20123 Milan, Italy
Standard : FCC 47 CFR Part 2 (2.1093)

The product was received on Nov. 04, 2025 and testing was started from Nov. 14, 2025 and completed on Dec. 07, 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



Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan



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History of this test report

Report No.	Version	Description	Issued Date
FA5O1534	01	Initial issue of report	Dec. 26, 2025

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for **Luxottica Group S.p.A., AI GLASSES, RW7001, RW7002** are as follows.

Equipment Class	Frequency Band	Highest SAR Summary			Highest Simultaneous Transmission 1g SAR (W/kg)	Highest Simultaneous Transmission 10g SAR (W/kg)
		Head (Separation 0mm)	Body-worn (Separation 0mm)	Handheld (Separation 0mm)		
		1g SAR (W/kg)		10g SAR (W/kg)		
DTS	2.4GHz WLAN	0.35	0.56	0.24	0.56	0.24
NII	5GHz WLAN	0.51	0.66	0.41	1.00	0.45
6CD	6GHz WLAN	0.37	0.47	0.16	0.91	0.19
DSS	Bluetooth	0.08	0.44	0.03	1.00	0.45
Equipment Class	Frequency Band	Head (Separation 0mm)	Body-worn (Separation 0mm)	Handheld (Separation 0mm)	Report PD 4cm^2 (mW/cm^2)	
		Report APD (mW/cm^2)				
6CD	6GHz WLAN	0.25	0.21	0.36	0.53	
Date of Testing:		2025/11/14 ~ 2025/12/07				

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: Daisy Peng

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	AI GLASSES
Brand Name	Ray-Ban Meta or Ray-Ban
Model Name	RW7001, RW7002
FCC ID	2AYOA-4010
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 5.9 GHz Band: 5850 MHz ~ 5895 MHz WLAN 6GHz Band: 5925 MHz ~ 6425 MHz, 6425 MHz ~ 6525 MHz, 6525 MHz ~ 6875 MHz, 6875 MHz ~ 7125 MHz
Mode	WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
EUT Stage	Production Unit
Remark:	
1. This device has three samples as below table and all perform RF Exposure evaluation and the difference includes in operational description.	
2. The device has several output power states when operation in different user scenarios, and these output power states control by sensor detection and detail control logic includes in operational description, and the sensor power verification, supplemental SAR test results refer to appendix F	

Sample	Model Name	Product Marketing Name
Sample 1	RW7002	RayBan Meta Scriber
Sample 2	RW7001	RayBan Meta Blazer Large
Sample 3	RW7001	RayBan Meta Blazer

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:

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

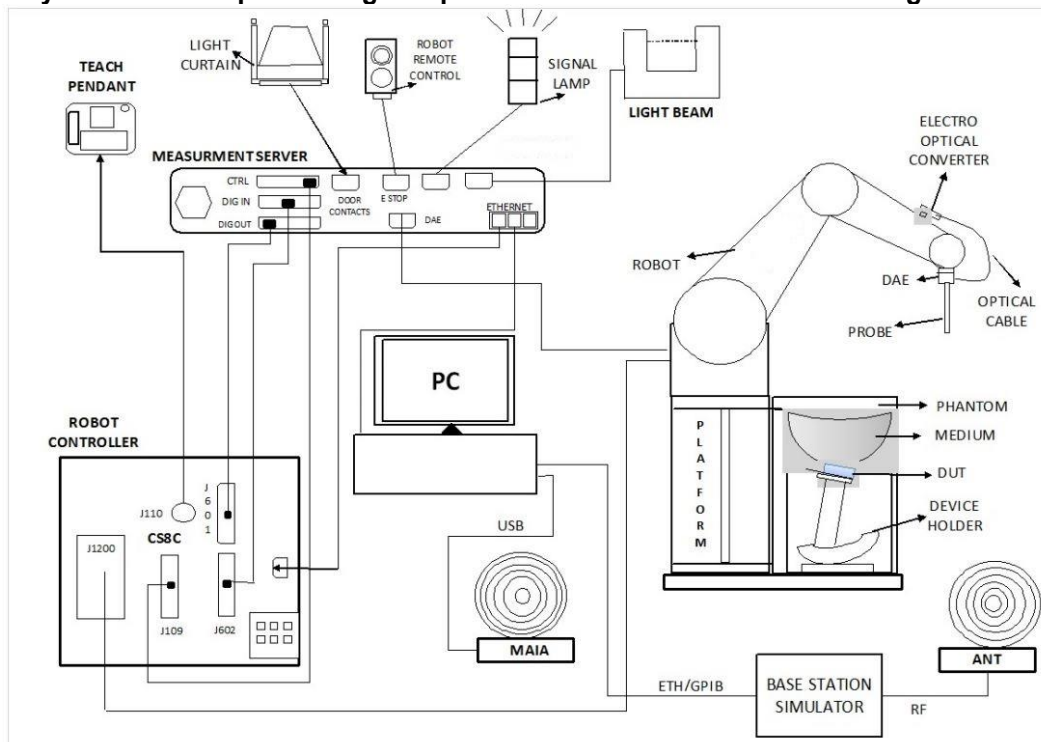
SAR is expressed in units of Watts per kilogram (W/kg)

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

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 No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan		TW3786 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.

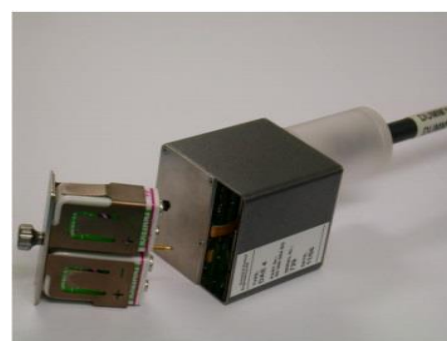


Fig 5.1 Photo of DAE

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>

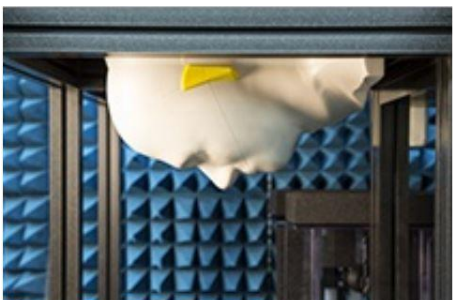
Shell Thickness	2 ± 0.2 mm (sagging: <1%)	
Filling Volume	Approx. 30 liters	
Dimensions	Major ellipse axis: 600 mm Minor axis: 400 mm	

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.

<SAM Head-Stand Phantom>

Liquid Compatibility	The phantom shell is compatible with SPEAG's tissue simulating liquids both sugar and oil based. Other liquids may be used however liquids that are corrosive, including liquids containing DGBE, must not be used as they will cause damage to the phantom and render the warranty void (see note or consult SPEAG support).	
Shell Thickness	2 ± 0.2 mm (6 mm at ear point)	
Head Shape	Standard compatible SAM head.	

<SAM Face-Down Phantom>

Liquid Compatibility	The phantom shell is compatible with SPEAG's tissue simulating liquids both sugar and oil-based. Other liquids may be used however liquids that are corrosive, including liquids containing DGBE, must not be used as they will cause damage to the phantom and render the warranty void (see note or consult SPEAG support).	
Shell Thickness	2 ± 0.2 mm (6 mm at ear point)	
Head Shape	Standard compatible SAM head.	

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) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, 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	Last Cal.	Due Date
SPEAG	2450MHz System Validation Kit ⁽²⁾	D2450V2	736	Aug. 15, 2024	Aug. 13, 2026
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1083	Oct. 22, 2025	Oct. 21, 2026
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1006	Oct. 15, 2024	Oct. 13, 2026
SPEAG	5G Verification Source	10GHz	1052	Oct. 13, 2025	Oct. 12, 2026
SPEAG	Data Acquisition Electronics	DAE4	1424	Dec. 19, 2024	Dec. 18, 2025
SPEAG	Data Acquisition Electronics	DAE4	699	Feb. 18, 2025	Feb. 17, 2026
SPEAG	Data Acquisition Electronics	DAE4	1399	Mar. 14, 2025	Mar. 13, 2026
SPEAG	Data Acquisition Electronics	DAE4	661	May. 19, 2025	May. 18, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7700	Jan. 22, 2025	Jan. 21, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7791	Feb. 19, 2025	Feb. 18, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7813	May. 21, 2025	May. 20, 2026
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9461	Oct. 15, 2025	Oct. 14, 2026
SPEAG	Dielectric Probe Kit	DAK-3.5	1270	May. 19, 2025	May. 18, 2026
Testo	Hygro meter	608-H1	45196600	Nov. 04, 2025	Nov. 03, 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	MG3710A	6201502524	Sep. 24, 2025	Sep. 23, 2026
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 14, 2025	Oct. 13, 2026
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3902	Feb. 19, 2025	Feb. 18, 2026
Anritsu	Power Meter	ML2496A	2119003	Jul. 14, 2025	Jul. 13, 2026
R&S	Power Sensor	NRP8S	109687	Sep. 22, 2025	Sep. 21, 2026
Anritsu	Spectrum Analyzer	N9010A	MY53470118	Sep. 09, 2025	Sep. 08, 2026
Mini-Circuits	Power Amplifier	ZVE-8G+	D120604	Oct. 17, 2025	Oct. 16, 2026
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)	Phantom	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
2450	ELI	22.3	1.800	43.100	1.80	39.20	0.00	9.95	± 10	2025/11/20
2450	ELI	22.2	1.790	43.000	1.80	39.20	-0.56	9.69	± 10	2025/11/27
5250	ELI	22.5	4.530	34.600	4.71	35.95	-3.82	-3.76	± 10	2025/11/16
5250	ELI	22.5	4.580	38.500	4.71	35.95	-2.76	7.09	± 10	2025/11/21
5250	ELI	22.7	4.420	36.300	4.71	35.95	-6.16	0.97	± 10	2025/11/27
5250	ELI	22.4	4.560	38.400	4.71	35.95	-3.18	6.82	± 10	2025/11/28
5250	ELI	22.5	4.460	37.900	4.71	35.95	-5.31	5.42	± 10	2025/12/5
5600	ELI	22.5	4.980	37.900	5.07	35.50	-1.78	6.76	± 10	2025/11/21
5600	ELI	22.4	4.960	37.800	5.07	35.50	-2.17	6.48	± 10	2025/11/28
5600	ELI	22.5	4.840	37.300	5.07	35.50	-4.54	5.07	± 10	2025/12/5
5800	ELI	22.5	5.220	37.600	5.27	35.30	-0.95	6.52	± 10	2025/11/21
5800	ELI	22.4	5.200	37.500	5.27	35.30	-1.33	6.23	± 10	2025/11/28
5800	ELI	22.5	5.070	37.000	5.27	35.30	-3.80	4.82	± 10	2025/12/5
6500	ELI	22.5	6.060	32.400	6.07	34.50	-0.16	-6.09	± 10	2025/11/19
6500	ELI	22.7	6.070	36.400	6.07	34.50	0.00	5.51	± 10	2025/11/22
6500	ELI	22.8	5.760	34.300	6.07	34.50	-5.11	-0.58	± 10	2025/11/28
6500	ELI	22.6	6.050	36.400	6.07	34.50	-0.33	5.51	± 10	2025/11/29
2450	Head Stand at C 0°	22.4	1.820	39.400	1.80	39.20	1.11	0.51	± 10	2025/11/14
2450	Head Stand at D 90°	22.4	1.820	39.400	1.80	39.20	1.11	0.51	± 10	2025/11/14
2450	Head Stand at C 0°	22.4	1.82	39.5	1.80	39.20	1.11	0.77	± 10	2025/11/15
2450	Head Stand at D 90°	22.4	1.82	39.5	1.80	39.20	1.11	0.77	± 10	2025/11/15
2450	Head Stand at C 0°	22.6	1.850	41.300	1.80	39.20	2.78	5.36	± 10	2025/11/26
2450	Head Stand at D 90°	22.6	1.850	41.300	1.80	39.20	2.78	5.36	± 10	2025/11/26
5200	Head Stand at C 0°	22.5	4.510	34.700	4.66	36.00	-3.22	-3.61	± 10	2025/11/16
5200	Head Stand at C 0°	22.7	4.370	36.400	4.66	36.00	-6.22	1.11	± 10	2025/11/27
5600	Head Stand at D 90°	22.5	4.870	33.800	5.07	35.50	-3.94	-4.79	± 10	2025/11/17
5600	Head Stand at D 90°	22.7	4.780	35.800	5.07	35.50	-5.72	0.85	± 10	2025/11/27
5800	Head Stand at C 0°	22.5	5.120	33.500	5.27	35.30	-2.85	-5.10	± 10	2025/11/18
5800	Head Stand at D 90°	22.5	5.120	33.500	5.27	35.30	-2.85	-5.10	± 10	2025/11/18
5800	Head Stand at C 0°	22.7	4.990	35.500	5.27	35.30	-5.31	0.57	± 10	2025/11/27
5800	Head Stand at D 90°	22.7	4.990	35.500	5.27	35.30	-5.31	0.57	± 10	2025/11/27

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.

<System Check Results at SAM-twin Phantom>

Phantom	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 (dB)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (dB)	Test Site
ELI	2025/11/20	2450	100	D2450V2-736	EX3DV4 - SN7813	DAE4 Sn1424	5.520	51.400	55.2	0.31	2.610	24.200	26.1	0.33	SAR-18
ELI	2025/11/27	2450	100	D2450V2-736	EX3DV4 - SN7700	DAE4 Sn699	4.990	51.400	49.9	-0.13	2.370	24.200	23.7	-0.09	SAR-19
ELI	2025/11/16	5250	100	D5GHzV2-1006-5250	EX3DV4 - SN7791	DAE4 Sn661	7.690	80.600	76.9	-0.20	2.180	22.800	21.8	-0.19	SAR-13
ELI	2025/11/21	5250	100	D5GHzV2-1006-5250	EX3DV4 - SN7813	DAE4 Sn1424	7.690	80.600	76.9	-0.20	2.210	22.800	22.1	-0.14	SAR-18
ELI	2025/11/27	5250	100	D5GHzV2-1006-5250	EX3DV4 - SN7791	DAE4 Sn661	7.440	80.600	74.4	-0.35	2.100	22.800	21	-0.36	SAR-13
ELI	2025/11/28	5250	100	D5GHzV2-1006-5250	EX3DV4 - SN7700	DAE4 Sn699	7.370	80.600	73.7	-0.39	2.140	22.800	21.4	-0.28	SAR-19
ELI	2025/12/5	5250	50	D5GHzV2-1006-5600	EX3DV4 - SN7791	DAE4 Sn661	4.330	80.600	86.6	0.31	1.190	22.800	23.8	0.19	SAR-13
ELI	2025/11/21	5600	100	D5GHzV2-1006-5600	EX3DV4 - SN7813	DAE4 Sn1424	8.010	83.400	80.1	-0.18	2.300	23.700	23	-0.13	SAR-18
ELI	2025/11/28	5600	100	D5GHzV2-1006-5600	EX3DV4 - SN7700	DAE4 Sn699	7.700	83.400	77	-0.35	2.220	23.700	22.2	-0.28	SAR-19
ELI	2025/12/5	5600	50	D5GHzV2-1006-5600	EX3DV4 - SN7791	DAE4 Sn661	3.830	83.400	76.6	-0.37	1.090	23.700	21.8	-0.36	SAR-13
ELI	2025/11/21	5800	100	D5GHzV2-1006-5800	EX3DV4 - SN7813	DAE4 Sn1424	7.800	80.600	78	-0.14	2.220	22.700	22.2	-0.10	SAR-18
ELI	2025/11/28	5800	100	D5GHzV2-1006-5800	EX3DV4 - SN7700	DAE4 Sn699	7.590	80.600	75.9	-0.26	2.170	22.700	21.7	-0.20	SAR-19
ELI	2025/12/5	5800	50	D5GHzV2-1006-5800	EX3DV4 - SN7791	DAE4 Sn661	4.170	80.600	83.4	0.15	1.140	22.700	22.8	0.02	SAR-13
ELI	2025/11/19	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7791	DAE4 Sn661	31.200	302.000	312	0.14	5.680	56.500	56.8	0.02	SAR-13
ELI	2025/11/22	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7813	DAE4 Sn1424	27.600	302.000	276	-0.39	5.220	56.500	52.2	-0.34	SAR-18
ELI	2025/11/28	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7791	DAE4 Sn661	29.700	302.000	297	-0.07	5.380	56.500	53.8	-0.21	SAR-13
ELI	2025/11/29	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7700	DAE4 Sn699	28.100	302.000	281	-0.31	5.230	56.500	52.3	-0.34	SAR-19

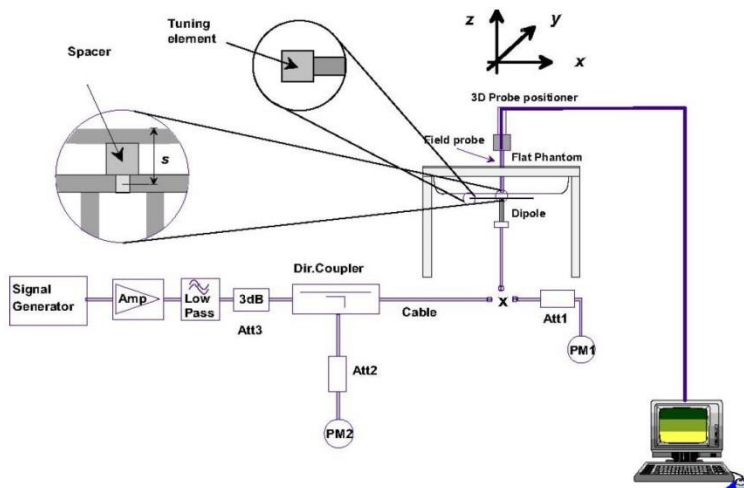


Fig 8.3.1 System Performance Check Setup



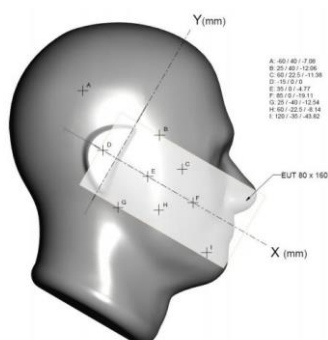
Fig 8.3.2 Setup Photo

<System Check Results under SAM Head-Stand Phantom>

Mount SAM Head-Stand Phantom System Validation Masks provided by SPEAG on the faces and mark Reference Point B

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 1.2dB under the SAM Head-stand Phantom. 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.

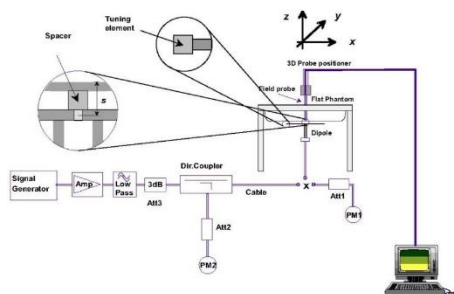
Phantom	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (dB)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (dB)	Test Site
Head Stand at C 0°	2025/11/14	2450	250	D2450V2-736	EX3DV4 - SN7791	DAE4 Sn661	14.900	53.000	59.6	0.51	6.740	24.000	26.96	0.51	SAR-13
Head Stand at D 90°	2025/11/14	2450	250	D2450V2-736	EX3DV4 - SN7791	DAE4 Sn661	9.000	32.200	36	0.48	4.440	16.000	17.76	0.45	SAR-13
Head Stand at C 0°	2025/11/15	2450	250	D2450V2-736	EX3DV4 - SN7791	DAE4 Sn661	15.300	53.000	61.2	0.62	6.890	24.000	27.56	0.60	SAR-13
Head Stand at D 90°	2025/11/15	2450	250	D2450V2-736	EX3DV4 - SN7791	DAE4 Sn661	8.850	32.200	35.4	0.41	4.370	16.000	17.48	0.38	SAR-13
Head Stand at C 0°	2025/11/26	2450	250	D2450V2-736	EX3DV4 - SN7791	DAE4 Sn661	15.000	53.000	60	0.54	6.820	24.000	27.28	0.56	SAR-13
Head Stand at D 90°	2025/11/26	2450	250	D2450V2-736	EX3DV4 - SN7791	DAE4 Sn661	8.100	32.200	32.4	0.03	4.020	16.000	16.08	0.02	SAR-13
Head Stand at C 0°	2025/11/16	5200	100	D5GHZV2-1006-5200	EX3DV4 - SN7791	DAE4 Sn661	7.210	83.900	72.1	-0.66	1.980	21.600	19.8	-0.38	SAR-13
Head Stand at C 0°	2025/11/27	5200	100	D5GHZV2-1006-5200	EX3DV4 - SN7791	DAE4 Sn661	6.990	83.900	69.9	-0.79	1.920	21.600	19.2	-0.51	SAR-13
Head Stand at D 90°	2025/11/17	5600	100	D5GHZV2-1006-5600	EX3DV4 - SN7791	DAE4 Sn661	6.940	60.100	69.4	0.62	2.300	19.500	23	0.72	SAR-13
Head Stand at D 90°	2025/11/27	5800	100	D5GHZV2-1006-5600	EX3DV4 - SN7791	DAE4 Sn661	6.400	60.100	64	0.27	2.150	19.500	21.5	0.42	SAR-13
Head Stand at C 0°	2025/11/18	5800	100	D5GHZV2-1006-5800	EX3DV4 - SN7791	DAE4 Sn661	7.000	80.100	70	-0.59	1.880	20.000	18.8	-0.27	SAR-13
Head Stand at D 90°	2025/11/18	5800	100	D5GHZV2-1006-5800	EX3DV4 - SN7791	DAE4 Sn661	7.780	64.100	77.8	0.84	2.590	21.100	25.9	0.89	SAR-13
Head Stand at C 0°	2025/11/27	5800	100	D5GHZV2-1006-5800	EX3DV4 - SN7791	DAE4 Sn661	6.810	80.100	68.1	-0.70	1.850	20.000	18.5	-0.34	SAR-13
Head Stand at D 90°	2025/11/27	5800	100	D5GHZV2-1006-5800	EX3DV4 - SN7791	DAE4 Sn661	7.720	64.100	77.2	0.81	2.560	21.100	25.6	0.84	SAR-13



SAM Face-Down Reference Point



Setup Photo at SAM Face-Down Phantom



System Performance Check Setup

9.3 PD System Performance Check Results

The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes

Test Site	Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm^2 (W/m 2)	Targeted 4 cm^2 (W/m 2)	Deviation (dB)	Date
SAR17	10G	10GHz_1052	9461	1399	10	56	54	0.16	2025/12/2

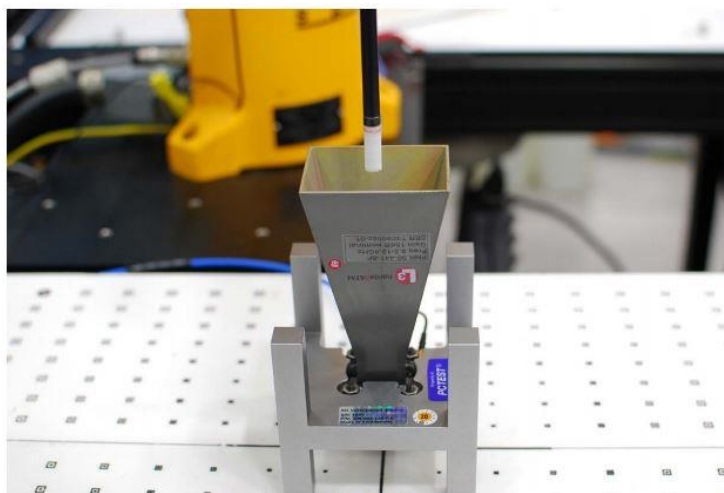


Figure 4-3
System Verification Setup Photo

System Performance Check Setup

10. WiFi/Bluetooth Output Power (Unit: dBm)

General Note:

1. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) 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 in the initial test configuration, additional output power measurements were not necessary.
2. 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.
3. 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).
4. 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.
5. 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.
6. 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)
7. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing
8. 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
9. 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

【2.4GHz WLAN_Sample 1 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	17.68	18.00	100.00
	6	2437	17.61	18.00	
	11	2462	17.97	18.00	
	12	2467	17.93	18.00	
	13	2472	15.40	15.50	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required
	6	2437		18.00	
	11	2462		18.00	
	12	2467		15.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	

【2.4GHz WLAN_Sample 1 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	11.15	11.50	100.00
	6	2437	11.14	11.50	
	11	2462	11.39	11.50	
	12	2467	11.45	11.50	
	13	2472	11.39	11.50	
802.11g 6Mbps	1	2412	Not Required	11.50	Not Required
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	

【2.4GHz WLAN_Sample 1 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	17.68	18.00	100.00
	6	2437	17.61	18.00	
	11	2462	17.97	18.00	
	12	2467	17.93	18.00	
	13	2472	15.40	15.50	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required
	6	2437		18.00	
	11	2462		18.00	
	12	2467		15.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	

【2.4GHz WLAN_Sample 2 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	17.60	18.00	100.00
	6	2437	17.53	18.00	
	11	2462	17.89	18.00	
	12	2467	17.85	18.00	
	13	2472	15.40	15.50	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required
	6	2437		18.00	
	11	2462		18.00	
	12	2467		15.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	

**【2.4GHz WLAN_Sample 2 Power State B】**

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	11.08	11.50	100.00
	6	2437	11.07	11.50	
	11	2462	11.32	11.50	
	12	2467	11.38	11.50	
	13	2472	11.32	11.50	
802.11g 6Mbps	1	2412	Not Required	11.50	Not Required
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	

【2.4GHz WLAN_Sample 2 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	17.60	18.00	100.00
	6	2437	17.53	18.00	
	11	2462	17.89	18.00	
	12	2467	17.85	18.00	
	13	2472	15.40	15.50	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required
	6	2437		18.00	
	11	2462		18.00	
	12	2467		15.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	

【2.4GHz WLAN_Sample 3 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	17.55	18.00	100.00
	6	2437	17.48	18.00	
	11	2462	17.84	18.00	
	12	2467	17.80	18.00	
	13	2472	15.40	15.50	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required
	6	2437		18.00	
	11	2462		18.00	
	12	2467		15.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	

【2.4GHz WLAN_Sample 3 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	11.02	11.50	100.00
	6	2437	11.01	11.50	
	11	2462	11.26	11.50	
	12	2467	11.32	11.50	
	13	2472	11.26	11.50	
802.11g 6Mbps	1	2412	Not Required	11.50	Not Required
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		11.50	
	6	2437		11.50	
	11	2462		11.50	
	12	2467		11.50	
	13	2472		-0.50	

【2.4GHz WLAN_Sample 3 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	17.55	18.00	100.00
	6	2437	17.48	18.00	
	11	2462	17.84	18.00	
	12	2467	17.80	18.00	
	13	2472	15.40	15.50	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required
	6	2437		18.00	
	11	2462		18.00	
	12	2467		15.50	
	13	2472		1.00	
802.11n-HT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ac-VHT20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	
802.11ax-HE20 MCS0	1	2412		18.00	
	6	2437		18.00	
	11	2462		18.00	
	12	2467		14.00	
	13	2472		-0.50	

【5.2GHz WLAN_Sample 1 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	18.00	Not Required
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11ac-VHT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT80 MCS0	42	5210		17.50	
	36	5180		18.00	
802.11ax-HE20 MCS0	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
	38	5190		18.00	
802.11ax-HE40 MCS0	46	5230		18.00	
	42	5210		17.50	

【5.2GHz WLAN_Sample 1 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	3.00	Not Required
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11n-HT20 MCS0	36	5180		3.00	
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11n-HT40 MCS0	38	5190		3.00	
	46	5230		3.00	
802.11ac-VHT20 MCS0	36	5180		3.00	
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11ac-VHT40 MCS0	38	5190		3.00	
	46	5230		3.00	
802.11ac-VHT80 MCS0	42	5210		3.00	
	36	5180		3.00	
802.11ax-HE20 MCS0	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
	38	5190		3.00	
802.11ax-HE40 MCS0	46	5230		3.00	
	42	5210		3.00	

【5.2GHz WLAN_Sample 1 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	18.00	Not Required
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11ac-VHT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT80 MCS0	42	5210		17.50	
	36	5180		18.00	
802.11ax-HE20 MCS0	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
	38	5190		18.00	
802.11ax-HE40 MCS0	46	5230		18.00	
	42	5210		17.50	

【5.2GHz WLAN_Sample 2 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	18.00	Not Required
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11ac-VHT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT80 MCS0	42	5210		17.50	
802.11ax-HE20 MCS0	36	5180		18.00	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11ax-HE40 MCS0	38	5190		18.00	
	46	5230		18.00	
802.11ax-HE80 MCS0	42	5210		17.50	

【5.2GHz WLAN_Sample 2 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	3.00	Not Required
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11n-HT20 MCS0	36	5180		3.00	
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11n-HT40 MCS0	38	5190		3.00	
	46	5230		3.00	
802.11ac-VHT20 MCS0	36	5180		3.00	
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11ac-VHT40 MCS0	38	5190		3.00	
	46	5230		3.00	
802.11ac-VHT80 MCS0	42	5210		3.00	
802.11ax-HE20 MCS0	36	5180		3.00	
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11ax-HE40 MCS0	38	5190		3.00	
	46	5230		3.00	
802.11ax-HE80 MCS0	42	5210		3.00	

【5.2GHz WLAN_Sample 2 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	18.00	Not Required
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11ac-VHT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT80 MCS0	42	5210		17.50	
	36	5180		18.00	
802.11ax-HE20 MCS0	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
	38	5190		18.00	
802.11ax-HE40 MCS0	46	5230		18.00	
	42	5210		17.50	

【5.2GHz WLAN_Sample 3 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	18.00	Not Required
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11ac-VHT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT80 MCS0	42	5210		17.50	
	36	5180		18.00	
802.11ax-HE20 MCS0	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
	38	5190		18.00	
802.11ax-HE40 MCS0	46	5230		18.00	
	42	5210		17.50	

【5.2GHz WLAN_Sample 3 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	3.00	Not Required
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11n-HT20 MCS0	36	5180		3.00	
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11n-HT40 MCS0	38	5190		3.00	
	46	5230		3.00	
802.11ac-VHT20 MCS0	36	5180		3.00	
	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
802.11ac-VHT40 MCS0	38	5190		3.00	
	46	5230		3.00	
802.11ac-VHT80 MCS0	42	5210		3.00	
	36	5180		3.00	
802.11ax-HE20 MCS0	40	5200		3.00	
	44	5220		3.00	
	48	5240		3.00	
	38	5190		3.00	
802.11ax-HE40 MCS0	46	5230		3.00	
	42	5210		3.00	

【5.2GHz WLAN_Sample 3 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	18.00	Not Required
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11n-HT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT20 MCS0	36	5180		17.50	
	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
802.11ac-VHT40 MCS0	38	5190		17.50	
	46	5230		18.00	
802.11ac-VHT80 MCS0	42	5210		17.50	
	36	5180		18.00	
802.11ax-HE20 MCS0	40	5200		18.00	
	44	5220		18.00	
	48	5240		18.00	
	38	5190		18.00	
802.11ax-HE40 MCS0	46	5230		18.00	
	42	5210		17.50	

【5.3GHz WLAN_Sample 1 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11n-HT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11n-HT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11ac-VHT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT80 MCS0	58	5290		17.50	
802.11ac-VHT160 MCS0	50	5250	17.89	18.00	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11ax-HE40 MCS0	54	5270		18.00	
	62	5310		18.00	
802.11ax-HE80 MCS0	58	5290		17.50	
802.11ax-HE160 MCS0	50	5250		18.00	

【5.3GHz WLAN_Sample 1 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	2.75	Not Required
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11n-HT20 MCS0	52	5260		2.75	
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11n-HT40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ac-VHT20 MCS0	52	5260		2.75	
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11ac-VHT40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ac-VHT80 MCS0	58	5290	2.41	2.75	99.63
802.11ac-VHT160 MCS0	50	5250	2.53	2.75	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	2.75	Not Required
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11ax-HE40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ax-HE80 MCS0	58	5290		2.75	
802.11ax-HE160 MCS0	50	5250		2.75	

【5.3GHz WLAN_Sample 1 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11n-HT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11n-HT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11ac-VHT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT80 MCS0	58	5290		17.50	
802.11ac-VHT160 MCS0	50	5250	17.89	18.00	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11ax-HE40 MCS0	54	5270		18.00	
	62	5310		18.00	
802.11ax-HE80 MCS0	58	5290		17.50	
802.11ax-HE160 MCS0	50	5250		18.00	

【5.3GHz WLAN_Sample 2 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11n-HT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11n-HT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11ac-VHT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT80 MCS0	58	5290		17.50	
802.11ac-VHT160 MCS0	50	5250	17.83	18.00	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11ax-HE40 MCS0	54	5270		18.00	
	62	5310		18.00	
802.11ax-HE80 MCS0	58	5290		17.50	
802.11ax-HE160 MCS0	50	5250		18.00	

【5.3GHz WLAN_Sample 2 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	2.75	Not Required
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11n-HT20 MCS0	52	5260		2.75	
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11n-HT40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ac-VHT20 MCS0	52	5260		2.75	
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11ac-VHT40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ac-VHT80 MCS0	58	5290	2.37	2.75	99.63
802.11ac-VHT160 MCS0	50	5250	2.49	2.75	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	2.75	Not Required
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11ax-HE40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ax-HE80 MCS0	58	5290		2.75	
802.11ax-HE160 MCS0	50	5250		2.75	

【5.3GHz WLAN_Sample 2 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11n-HT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11n-HT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11ac-VHT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT80 MCS0	58	5290		17.50	
802.11ac-VHT160 MCS0	50	5250	17.83	18.00	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11ax-HE40 MCS0	54	5270		18.00	
	62	5310		18.00	
802.11ax-HE80 MCS0	58	5290		17.50	
802.11ax-HE160 MCS0	50	5250		18.00	

【5.3GHz WLAN_Sample 3 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11n-HT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11n-HT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11ac-VHT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT80 MCS0	58	5290		17.50	
802.11ac-VHT160 MCS0	50	5250	17.74	18.00	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11ax-HE40 MCS0	54	5270		18.00	
	62	5310		18.00	
802.11ax-HE80 MCS0	58	5290		17.50	
802.11ax-HE160 MCS0	50	5250		18.00	

【5.3GHz WLAN_Sample 3 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	2.75	Not Required
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11n-HT20 MCS0	52	5260		2.75	
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11n-HT40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ac-VHT20 MCS0	52	5260		2.75	
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11ac-VHT40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ac-VHT80 MCS0	58	5290	2.32	2.75	99.63
802.11ac-VHT160 MCS0	50	5250	2.44	2.75	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	2.75	Not Required
	56	5280		2.75	
	60	5300		2.75	
	64	5320		2.75	
802.11ax-HE40 MCS0	54	5270		2.75	
	62	5310		2.75	
802.11ax-HE80 MCS0	58	5290		2.75	
802.11ax-HE160 MCS0	50	5250		2.75	

【5.3GHz WLAN_Sample 3 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11n-HT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11n-HT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT20 MCS0	52	5260		18.00	
	56	5280		18.00	
	60	5300		18.00	
	64	5320		17.50	
802.11ac-VHT40 MCS0	54	5270		18.00	
	62	5310		17.50	
802.11ac-VHT80 MCS0	58	5290		17.50	
802.11ac-VHT160 MCS0	50	5250	17.74	18.00	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	18.00	Not Required
	56	5280		18.00	
	60	5300		18.00	
	64	5320		18.00	
802.11ax-HE40 MCS0	54	5270		18.00	
	62	5310		18.00	
802.11ax-HE80 MCS0	58	5290		17.50	
802.11ax-HE160 MCS0	50	5250		18.00	

【5.5GHz WLAN_Sample 1 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	14.75	Not Required
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
	100	5500		14.75	
802.11n-HT20 MCS0	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11n-HT40 MCS0	102	5510		14.75	
	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
	100	5500		14.75	
802.11ac-VHT20 MCS0	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11ac-VHT40 MCS0	102	5510		14.75	
	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
802.11ac-VHT80 MCS0	106	5530	14.55	14.75	99.63
	122	5610	14.55	14.75	
	138	5690	14.66	14.75	
802.11ac-VHT160 MCS0	114	5570	14.47	14.75	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	14.75	Not Required
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11ax-HE40 MCS0	102	5510		14.75	

	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
802.11ax-HE80 MCS0	106	5530		14.75	
	122	5610		14.75	
	138	5690		14.75	
802.11ax-HE160 MCS0	114	5570		14.75	

【5.5GHz WLAN_Sample 1 Power State B】

Mode	Channel	Frequency (MHz)	Average Power (dBm)	Ant 1	
				Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	2.25	Not Required
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11n-HT20 MCS0	100	5500		2.25	
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11n-HT40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ac-VHT20 MCS0	100	5500		2.25	
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11ac-VHT40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ac-VHT80 MCS0	106	5530	2.10	2.25	99.63
	122	5610	2.03	2.25	
	138	5690	2.15	2.25	
802.11ac-VHT160 MCS0	114	5570	2.23	2.25	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	2.25	Not Required
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11ax-HE40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ax-HE80 MCS0	106	5530		2.25	
	122	5610		2.25	
	138	5690		2.25	
802.11ax-HE160 MCS0	114	5570		2.25	

【5.5GHz WLAN_Sample 1 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	18.00	Not Required
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11n-HT20 MCS0	100	5500		17.50	
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11n-HT40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ac-VHT20 MCS0	100	5500		17.50	
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11ac-VHT40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ac-VHT80 MCS0	106	5530		17.00	
	122	5610		18.00	
	138	5690		18.00	
802.11ac-VHT160 MCS0	114	5570	17.63	18.00	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	17.50	Not Required
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11ax-HE40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ax-HE80 MCS0	106	5530		17.00	
	122	5610		18.00	
	138	5690		18.00	
802.11ax-HE160 MCS0	114	5570		18.00	

【5.5GHz WLAN_Sample 2 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	14.75	Not Required
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11n-HT20 MCS0	100	5500		14.75	
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11n-HT40 MCS0	102	5510		14.75	
	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
802.11ac-VHT20 MCS0	100	5500		14.75	
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11ac-VHT40 MCS0	102	5510		14.75	
	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
802.11ac-VHT80 MCS0	106	5530	14.50	14.75	99.63
	122	5610	14.50	14.75	
	138	5690	14.61	14.75	
802.11ac-VHT160 MCS0	114	5570	14.42	14.75	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	14.75	Not Required
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11ax-HE40 MCS0	102	5510		14.75	
	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
802.11ax-HE80 MCS0	106	5530		14.75	
	122	5610		14.75	
	138	5690		14.75	
802.11ax-HE160 MCS0	114	5570		14.75	

【5.5GHz WLAN_Sample 2 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	2.25	Not Required
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11n-HT20 MCS0	100	5500		2.25	
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11n-HT40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ac-VHT20 MCS0	100	5500		2.25	
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11ac-VHT40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ac-VHT80 MCS0	106	5530	2.06	2.25	99.63
	122	5610	1.99	2.25	
	138	5690	2.11	2.25	
802.11ac-VHT160 MCS0	114	5570	2.19	2.25	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	2.25	Not Required
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11ax-HE40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ax-HE80 MCS0	106	5530		2.25	
	122	5610		2.25	
	138	5690		2.25	
802.11ax-HE160 MCS0	114	5570		2.25	

【5.5GHz WLAN_Sample 2 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	18.00	Not Required
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11n-HT20 MCS0	100	5500		17.50	
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11n-HT40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ac-VHT20 MCS0	100	5500		17.50	
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11ac-VHT40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ac-VHT80 MCS0	106	5530		17.00	
	122	5610		18.00	
	138	5690		18.00	
802.11ac-VHT160 MCS0	114	5570	17.56	18.00	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	17.50	Not Required
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11ax-HE40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ax-HE80 MCS0	106	5530		17.00	
	122	5610		18.00	
	138	5690		18.00	
802.11ax-HE160 MCS0	114	5570		18.00	

【5.5GHz WLAN_Sample 3 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	14.75	Not Required
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11n-HT20 MCS0	100	5500		14.75	
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11n-HT40 MCS0	102	5510		14.75	
	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
802.11ac-VHT20 MCS0	100	5500		14.75	
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11ac-VHT40 MCS0	102	5510		14.75	
	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
802.11ac-VHT80 MCS0	106	5530	14.41	14.75	99.63
	122	5610	14.41	14.75	
	138	5690	14.52	14.75	
802.11ac-VHT160 MCS0	114	5570	14.33	14.75	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	14.75	Not Required
	116	5580		14.75	
	124	5620		14.75	
	132	5660		14.75	
	144	5720		14.75	
802.11ax-HE40 MCS0	102	5510		14.75	
	110	5550		14.75	
	126	5630		14.75	
	134	5670		14.75	
	142	5710		14.75	
802.11ax-HE80 MCS0	106	5530		14.75	
	122	5610		14.75	
	138	5690		14.75	
802.11ax-HE160 MCS0	114	5570		14.75	

【5.5GHz WLAN_Sample 3 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	2.25	Not Required
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11n-HT20 MCS0	100	5500		2.25	
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11n-HT40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ac-VHT20 MCS0	100	5500		2.25	
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11ac-VHT40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ac-VHT80 MCS0	106	5530	1.99	2.25	99.63
	122	5610	1.92	2.25	
	138	5690	2.04	2.25	
802.11ac-VHT160 MCS0	114	5570	2.12	2.25	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	2.25	Not Required
	116	5580		2.25	
	124	5620		2.25	
	132	5660		2.25	
	144	5720		2.25	
802.11ax-HE40 MCS0	102	5510		2.25	
	110	5550		2.25	
	126	5630		2.25	
	134	5670		2.25	
	142	5710		2.25	
802.11ax-HE80 MCS0	106	5530		2.25	
	122	5610		2.25	
	138	5690		2.25	
802.11ax-HE160 MCS0	114	5570		2.25	

【5.5GHz WLAN_Sample 3 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	18.00	Not Required
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11n-HT20 MCS0	100	5500		17.50	
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11n-HT40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ac-VHT20 MCS0	100	5500		17.50	
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11ac-VHT40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ac-VHT80 MCS0	106	5530		17.00	
	122	5610		18.00	
	138	5690		18.00	
802.11ac-VHT160 MCS0	114	5570	17.46	18.00	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	17.50	Not Required
	116	5580		18.00	
	124	5620		18.00	
	132	5660		18.00	
	144	5720		18.00	
802.11ax-HE40 MCS0	102	5510		17.50	
	110	5550		18.00	
	126	5630		18.00	
	134	5670		18.00	
	142	5710		18.00	
802.11ax-HE80 MCS0	106	5530		17.00	
	122	5610		18.00	
	138	5690		18.00	
802.11ax-HE160 MCS0	114	5570		18.00	

【5.8GHz WLAN_Sample 1 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11n-HT20 MCS0	149	5745		14.50	
	157	5785		14.50	
	165	5825		14.50	
802.11n-HT40 MCS0	151	5755	14.49	14.50	99.74
	159	5795	14.48	14.50	
802.11ac-VHT20 MCS0	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11ac-VHT40 MCS0	151	5755		14.50	
	159	5795		14.50	
802.11ac-VHT80 MCS0	155	5775	14.24	14.50	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11ax-HE40 MCS0	151	5755		14.50	
	159	5795		14.50	
802.11ax-HE80 MCS0	155	5775		14.50	

【5.8GHz WLAN_Sample 1 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11n-HT20 MCS0	149	5745		2.75	
	157	5785		2.75	
	165	5825		2.75	
802.11n-HT40 MCS0	151	5755	2.36	2.75	99.74
	159	5795	2.32	2.75	
802.11ac-VHT20 MCS0	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11ac-VHT40 MCS0	151	5755		2.75	
	159	5795		2.75	
802.11ac-VHT80 MCS0	155	5775	2.71	2.75	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11ax-HE40 MCS0	151	5755		2.75	
	159	5795		2.75	
802.11ax-HE80 MCS0	155	5775		2.75	

【5.8GHz WLAN_Sample 1 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11n-HT20 MCS0	149	5745		18.00	
	157	5785		18.00	
	165	5825		18.00	
802.11n-HT40 MCS0	151	5755	17.95	18.00	99.74
	159	5795	17.91	18.00	
802.11ac-VHT20 MCS0	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11ac-VHT40 MCS0	151	5755		18.00	
	159	5795		18.00	
802.11ac-VHT80 MCS0	155	5775	17.75	18.00	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11ax-HE40 MCS0	151	5755		18.00	
	159	5795		18.00	
802.11ax-HE80 MCS0	155	5775		18.00	

【5.8GHz WLAN_Sample 2 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11n-HT20 MCS0	149	5745		14.50	
	157	5785		14.50	
	165	5825		14.50	
802.11n-HT40 MCS0	151	5755	14.39	14.50	99.74
	159	5795	14.38	14.50	
802.11ac-VHT20 MCS0	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11ac-VHT40 MCS0	151	5755		14.50	
	159	5795		14.50	
802.11ac-VHT80 MCS0	155	5775	14.20	14.50	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11ax-HE40 MCS0	151	5755		14.50	
	159	5795		14.50	
802.11ax-HE80 MCS0	155	5775		14.50	

【5.8GHz WLAN_Sample 2 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11n-HT20 MCS0	149	5745		2.75	
	157	5785		2.75	
	165	5825		2.75	
802.11n-HT40 MCS0	151	5755	2.31	2.75	99.74
	159	5795	2.28	2.75	
802.11ac-VHT20 MCS0	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11ac-VHT40 MCS0	151	5755		2.75	
	159	5795		2.75	
802.11ac-VHT80 MCS0	155	5775	2.68	2.75	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11ax-HE40 MCS0	151	5755		2.75	
	159	5795		2.75	
802.11ax-HE80 MCS0	155	5775		2.75	

【5.8GHz WLAN_Sample 2 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11n-HT20 MCS0	149	5745		18.00	
	157	5785		18.00	
	165	5825		18.00	
802.11n-HT40 MCS0	151	5755	17.89	18.00	99.74
	159	5795	17.85	18.00	
802.11ac-VHT20 MCS0	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11ac-VHT40 MCS0	151	5755		18.00	
	159	5795		18.00	
802.11ac-VHT80 MCS0	155	5775	17.72	18.00	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11ax-HE40 MCS0	151	5755		18.00	
	159	5795		18.00	
802.11ax-HE80 MCS0	155	5775		18.00	

【5.8GHz WLAN_Sample 3 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11n-HT20 MCS0	149	5745		14.50	
	157	5785		14.50	
	165	5825		14.50	
802.11n-HT40 MCS0	151	5755	14.41	14.50	99.74
	159	5795	14.40	14.50	
802.11ac-VHT20 MCS0	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11ac-VHT40 MCS0	151	5755		14.50	
	159	5795		14.50	
802.11ac-VHT80 MCS0	155	5775	14.16	14.50	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	14.50	Not Required
	157	5785		14.50	
	165	5825		14.50	
802.11ax-HE40 MCS0	151	5755		14.50	
	159	5795		14.50	
802.11ax-HE80 MCS0	155	5775		14.50	

【5.8GHz WLAN_Sample 3 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11n-HT20 MCS0	149	5745		2.75	
	157	5785		2.75	
	165	5825		2.75	
802.11n-HT40 MCS0	151	5755	2.23	2.75	99.74
	159	5795	2.19	2.75	
802.11ac-VHT20 MCS0	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11ac-VHT40 MCS0	151	5755		2.75	
	159	5795		2.75	
802.11ac-VHT80 MCS0	155	5775	2.64	2.75	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	2.75	Not Required
	157	5785		2.75	
	165	5825		2.75	
802.11ax-HE40 MCS0	151	5755		2.75	
	159	5795		2.75	
802.11ax-HE80 MCS0	155	5775		2.75	

【5.8GHz WLAN_Sample 3 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11n-HT20 MCS0	149	5745		18.00	
	157	5785		18.00	
	165	5825		18.00	
802.11n-HT40 MCS0	151	5755	17.83	18.00	99.74
	159	5795	17.79	18.00	
802.11ac-VHT20 MCS0	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11ac-VHT40 MCS0	151	5755		18.00	
	159	5795		18.00	
802.11ac-VHT80 MCS0	155	5775	17.68	18.00	99.63

802.11ax-HE20 MCS0	149	5745	Not Required	18.00	Not Required
	157	5785		18.00	
	165	5825		18.00	
802.11ax-HE40 MCS0	151	5755		18.00	
	159	5795		18.00	
802.11ax-HE80 MCS0	155	5775		18.00	

【6GHz WLAN_Sample 1 Power State A_For FCC】

Mode	Channel	Frequency (MHz)	Average Power (dBm)	Ant 1	
				Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	8.00	Not Required
	57	6235		8.00	
	113	6515		9.50	
	173	6815		9.00	
	229	7095		8.50	
802.11ax-HE20 MCS0	1	5955		8.50	
	57	6235		8.50	
	113	6515		10.00	
	173	6815		9.50	
	229	7095		9.00	
802.11ax-HE40 MCS0	3	5965		11.50	
	59	6245		11.50	
	107	6485		13.00	
	171	6805		12.50	
	227	7085		12.00	
802.11ax-HE80 MCS0	7	5985		13.50	
	71	6305		13.50	
	119	6545		13.50	
	167	6785		13.25	
	215	7025		13.75	
802.11ax-HE160 MCS0	15	6025	13.33	13.50	99.76
	47	6185	13.42	13.50	
	111	6505	13.30	13.50	
	175	6825	12.99	13.25	
	207	6985	13.49	13.75	

【6GHz WLAN_Sample 1 Power State B_For FCC】

Mode	Channel	Frequency (MHz)	Average Power (dBm)	Ant 1	
				Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	3.75	Not Required
	57	6235		3.75	
	113	6515		3.75	
	173	6815		4.25	
	229	7095		4.50	
802.11ax-HE20 MCS0	1	5955		3.75	
	57	6235		3.75	
	113	6515		3.75	
	173	6815		4.25	
	229	7095		4.50	
802.11ax-HE40 MCS0	3	5965		3.75	
	59	6245		3.75	
	107	6485		3.75	
	171	6805		4.25	
	227	7085		4.50	
802.11ax-HE80 MCS0	7	5985		3.75	
	71	6305		3.75	
	119	6545		3.75	
	167	6785		4.25	
	215	7025		4.50	
802.11ax-HE160 MCS0	15	6025	3.38	3.75	99.76
	47	6185	3.74	3.75	
	111	6505	3.69	3.75	
	175	6825	3.86	4.25	
	207	6985	4.22	4.50	

【6GHz WLAN_Sample 1 Power State C_For FCC】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	8.00	Not Required
	57	6235		8.00	
	113	6515		9.50	
	173	6815		9.00	
	229	7095		8.50	
802.11ax-HE20 MCS0	1	5955		8.50	
	57	6235		8.50	
	113	6515		10.00	
	173	6815		9.50	
	229	7095		9.00	
802.11ax-HE40 MCS0	3	5965		11.50	
	59	6245		11.50	
	107	6485		13.00	
	171	6805		12.50	
	227	7085		12.00	
802.11ax-HE80 MCS0	7	5985		13.75	
	71	6305		13.75	
	119	6545		13.75	
	167	6785		13.75	
	215	7025		14.75	
802.11ax-HE160 MCS0	15	6025	13.33	13.75	99.76
	47	6185	13.42	13.75	
	111	6505	13.30	13.75	
	175	6825	13.49	13.75	
	207	6985	13.49	14.75	

【6GHz WLAN_Sample 2 Power State A_For FCC】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	8.00	Not Required
	57	6235		8.00	
	113	6515		9.50	
	173	6815		9.00	
	229	7095		8.50	
802.11ax-HE20 MCS0	1	5955		8.50	
	57	6235		8.50	
	113	6515		10.00	
	173	6815		9.50	
	229	7095		9.00	
802.11ax-HE40 MCS0	3	5965		11.50	
	59	6245		11.50	
	107	6485		13.00	
	171	6805		12.50	
	227	7085		12.00	
802.11ax-HE80 MCS0	7	5985		13.50	
	71	6305		13.50	
	119	6545		13.50	
	167	6785		13.25	
	215	7025		13.75	
802.11ax-HE160 MCS0	15	6025	13.29	13.50	99.76
	47	6185	13.38	13.50	
	111	6505	13.26	13.50	
	175	6825	12.95	13.25	
	207	6985	13.45	13.75	

【6GHz WLAN_Sample 2 Power State B_For FCC】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	3.75	Not Required
	57	6235		3.75	
	113	6515		3.75	
	173	6815		4.25	
	229	7095		4.50	
802.11ax-HE20 MCS0	1	5955		3.75	
	57	6235		3.75	
	113	6515		3.75	
	173	6815		4.25	
	229	7095		4.50	
802.11ax-HE40 MCS0	3	5965		3.75	
	59	6245		3.75	
	107	6485		3.75	
	171	6805		4.25	
	227	7085		4.50	
802.11ax-HE80 MCS0	7	5985		3.75	
	71	6305		3.75	
	119	6545		3.75	
	167	6785		4.25	
	215	7025		4.50	
802.11ax-HE160 MCS0	15	6025	3.34	3.75	99.76
	47	6185	3.70	3.75	
	111	6505	3.65	3.75	
	175	6825	3.82	4.25	
	207	6985	4.18	4.50	

【6GHz WLAN_Sample 2 Power State C_For FCC】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	8.00	Not Required
	57	6235		8.00	
	113	6515		9.50	
	173	6815		9.00	
	229	7095		8.50	
802.11ax-HE20 MCS0	1	5955		8.50	
	57	6235		8.50	
	113	6515		10.00	
	173	6815		9.50	
	229	7095		9.00	
802.11ax-HE40 MCS0	3	5965		11.50	
	59	6245		11.50	
	107	6485		13.00	
	171	6805		12.50	
	227	7085		12.00	
802.11ax-HE80 MCS0	7	5985		13.75	
	71	6305		13.75	
	119	6545		13.75	
	167	6785		13.75	
	215	7025		14.75	
802.11ax-HE160 MCS0	15	6025	13.25	13.75	99.76
	47	6185	13.34	13.75	
	111	6505	13.22	13.75	
	175	6825	13.41	13.75	
	207	6985	13.41	14.75	

【6GHz WLAN_Sample 3 Power State A_For FCC】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	8.00	Not Required
	57	6235		8.00	
	113	6515		9.50	
	173	6815		9.00	
	229	7095		8.50	
802.11ax-HE20 MCS0	1	5955		8.50	
	57	6235		8.50	
	113	6515		10.00	
	173	6815		9.50	
	229	7095		9.00	
802.11ax-HE40 MCS0	3	5965		11.50	
	59	6245		11.50	
	107	6485		13.00	
	171	6805		12.50	
	227	7085		12.00	
802.11ax-HE80 MCS0	7	5985		13.50	
	71	6305		13.50	
	119	6545		13.50	
	167	6785		13.25	
	215	7025		13.75	
802.11ax-HE160 MCS0	15	6025	13.17	13.50	99.76
	47	6185	13.26	13.50	
	111	6505	13.14	13.50	
	175	6825	12.83	13.25	
	207	6985	13.33	13.75	

【6GHz WLAN_Sample 3 Power State B_For FCC】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	3.75	Not Required
	57	6235		3.75	
	113	6515		3.75	
	173	6815		4.25	
	229	7095		4.50	
802.11ax-HE20 MCS0	1	5955		3.75	
	57	6235		3.75	
	113	6515		3.75	
	173	6815		4.25	
	229	7095		4.50	
802.11ax-HE40 MCS0	3	5965		3.75	
	59	6245		3.75	
	107	6485		3.75	
	171	6805		4.25	
	227	7085		4.50	
802.11ax-HE80 MCS0	7	5985		3.75	
	71	6305		3.75	
	119	6545		3.75	
	167	6785		4.25	
	215	7025		4.50	
802.11ax-HE160 MCS0	15	6025	3.25	3.75	99.76
	47	6185	3.61	3.75	
	111	6505	3.56	3.75	
	175	6825	3.73	4.25	
	207	6985	4.09	4.50	

【6GHz WLAN_Sample 3 Power State C_For FCC】

			Ant 1		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	8.00	Not Required
	57	6235		8.00	
	113	6515		9.50	
	173	6815		9.00	
	229	7095		8.50	
802.11ax-HE20 MCS0	1	5955		8.50	
	57	6235		8.50	
	113	6515		10.00	
	173	6815		9.50	
	229	7095		9.00	
802.11ax-HE40 MCS0	3	5965		11.50	
	59	6245		11.50	
	107	6485		13.00	
	171	6805		12.50	
	227	7085		12.00	
802.11ax-HE80 MCS0	7	5985		13.75	
	71	6305		13.75	
	119	6545		13.75	
	167	6785		13.75	
	215	7025		14.75	
802.11ax-HE160 MCS0	15	6025	13.19	13.75	99.76
	47	6185	13.28	13.75	
	111	6505	13.16	13.75	
	175	6825	13.32	13.75	
	207	6985	13.35	14.75	

<2.4GHz Bluetooth>

【Bluetooth_Sample 1 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.93	10.00	76.94
	39	2441	8.35	10.00	
	78	2480	8.09	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

【Bluetooth_Sample 1 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.93	10.00	76.94
	39	2441	8.35	10.00	
	78	2480	8.09	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

【Bluetooth_Sample 1 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.93	10.00	76.94
	39	2441	8.35	10.00	
	78	2480	8.09	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

【Bluetooth_Sample 2 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.88	10.00	76.94
	39	2441	8.30	10.00	
	78	2480	8.04	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

【Bluetooth_Sample 2 Power State B】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.88	10.00	76.94
	39	2441	8.30	10.00	
	78	2480	8.04	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

【Bluetooth_Sample 2 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.88	10.00	76.94
	39	2441	8.30	10.00	
	78	2480	8.04	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

【Bluetooth_Sample 3 Power State A】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.84	10.00	76.94
	39	2441	8.26	10.00	
	78	2480	8.03	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

【Bluetooth_Sample 3 Power State B】

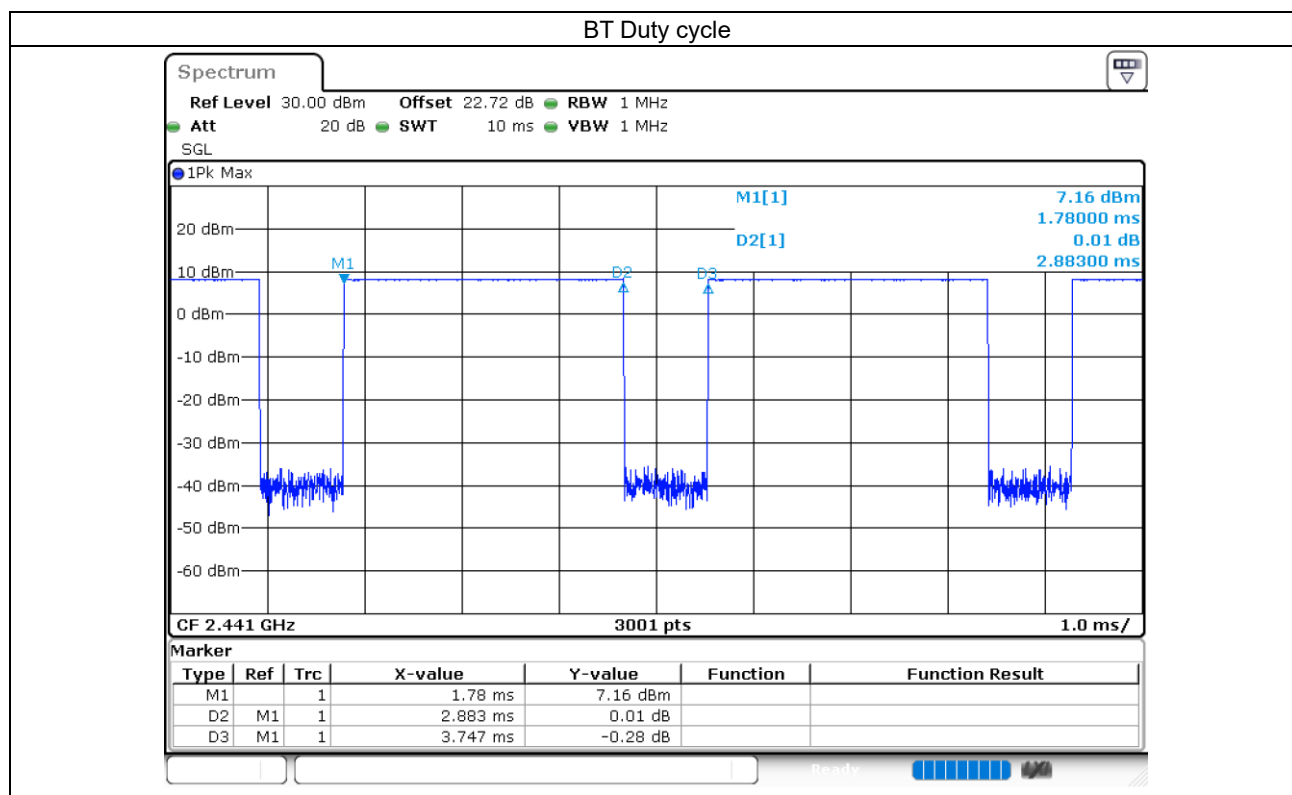
Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.84	10.00	76.94
	39	2441	8.26	10.00	
	78	2480	8.03	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

【Bluetooth_Sample 3 Power State C】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.84	10.00	76.94
	39	2441	8.26	10.00	
	78	2480	8.03	10.00	
BR / EDR 2Mbps	0	2402	Not Required	7.00	Not Required
	39	2441		7.00	
	78	2480		7.00	
BR / EDR 3Mbps	0	2402		7.00	
	39	2441		7.00	
	78	2480		7.00	
LE 1Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	
LE 2Mbps	0	2402		10.00	
	19	2440		10.00	
	39	2480		10.00	

General Note:

- For 2.4GHz Bluetooth SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.94sidered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



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.
4. The head SAR results were performed under the hand stand phantom.
5. For body-worn and handheld exposure conduction only performed one nose pad, due to these conditions was not used on head.
6. The RF exposure evaluation for the device was conducted using the Head-stand Phantom and special test conditions, in accordance with the approved KDB procedures by the OET.

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. Per KDB 248227 D01v02r02, WLAN5.2GHz SAR testing is not required for hotspot and body-worn condition when the WLAN5.3GHz band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for WLAN5.2GHz band.
3. 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.
4. 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. During SAR testing, the WLAN transmit signal was continuously monitored using a spectrum analyzer to ensure continuous and stable signal output throughout the measurement.

WLAN PD Note:

1. The WiFi 6E PD was performed according 2020 TCB workshop RF Exposure 5G RFX Policies Interim Procedures.
2. First, evaluate SAR using 6-7 GHz parameters per IEC/IEEE 62209-1528:2020 and evaluate incident PD using the mmw near-field probe and total-field/power-density reconstruction method.
3. Per Interim Procedures. The power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) for 2mm, 1.88dB(54.2%) for 7mm was used to determine the psPD measurement scaling factor
4. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. The WiFi 6E RF Exposure results are used for simultaneous transmission analysis with the other transmitters and total exposure ratio, the analysis can be found in this report section 12.
6. Absorbed power density (APD) using a 4cm2 averaging area is reported based on SAR measurements.
7. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
8. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
9. The measurement procedure consists of measuring the PDinc at two different distances: 2 mm (compliance distance) and $\lambda/5$. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPDn fulfill the criterion described below. Since iPD ratio between the two distances is ≥ -1 dB, the grid step (0.0625) was sufficient for determining compliance at d=2mm.

$$10 \cdot \log_{10} \frac{iPD_n(2mm)}{iPD_n(\lambda/5)} \geq -1$$

**11.1 Head SAR**

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)
01	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Medium	A	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.04	0.345	0.347
	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Small	A	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.01	0.295	0.297
	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Low Nose Bridge	A	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.06	0.262	0.264
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Medium	A	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	-0.03	0.237	0.239
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Small	A	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.01	0.210	0.211
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Low Nose Bridge	A	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.05	0.227	0.229
	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Medium	A	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	-0.16	0.241	0.247
	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Small	A	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	0.11	0.206	0.211
	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Low Nose Bridge	A	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	0.02	0.183	0.188
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Medium	A	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	-0.05	0.260	0.267
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Small	A	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	-0.07	0.231	0.237
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Low Nose Bridge	A	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	-0.15	0.250	0.257
	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Medium	A	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	-0.02	0.299	0.310
	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Small	A	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.18	0.256	0.266
	WLAN2.4GHz	802.11b 1Mbps	Face-Worn	0mm	Low Nose Bridge	A	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.14	0.227	0.236
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Medium	A	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.10	0.156	0.162
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Small	A	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	-0.12	0.139	0.144
	WLAN2.4GHz	802.11b 1Mbps	Rest-on-Head	0mm	Low Nose Bridge	A	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	-0.18	0.150	0.156
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Medium	A	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	-0.06	0.299	0.308
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Small	A	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	-0.08	0.266	0.274
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	0.03	0.290	0.299
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Medium	A	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	0.07	0.180	0.185
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Small	A	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	-0.01	0.125	0.129
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	0.15	0.115	0.118
02	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Medium	A	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	-0.06	0.383	0.400
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Small	A	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	-0.10	0.351	0.367
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	0.07	0.366	0.382
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Medium	A	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	0.03	0.179	0.187
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Small	A	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	-0.18	0.165	0.172
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	0.01	0.152	0.159
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Medium	A	58	5290	Sample 2	17.65	18.00	1.084	99.63	1.004	0.09	0.359	0.391
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Medium	A	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	0.15	0.343	0.366
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Small	A	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	-0.08	0.314	0.335
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	0.03	0.328	0.350
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Medium	A	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	-0.16	0.192	0.205
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Small	A	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	0.08	0.177	0.189
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	0.01	0.163	0.174
03	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Medium	A	114	5570	Sample 1	14.47	14.75	1.067	99.63	1.004	-0.07	0.296	0.317
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Small	A	114	5570	Sample 1	14.47	14.75	1.067	99.63	1.004	0.03	0.216	0.231
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	114	5570	Sample 1	14.47	14.75	1.067	99.63	1.004	0.18	0.245	0.262
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Medium	A	114	5570	Sample 1	14.47	14.75	1.067	99.63	1.004	-0.18	0.103	0.110
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Small	A	114	5570	Sample 1	14.47	14.75	1.067	99.63	1.004	-0.08	0.083	0.089
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	114	5570	Sample 1	14.47	14.75	1.067	99.63	1.004	-0.03	0.074	0.079
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Medium	A	114	5570	Sample 2	14.42	14.75	1.079	99.63	1.004	-0.15	0.092	0.100
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Small	A	114	5570	Sample 2	14.42	14.75	1.079	99.63	1.004	0.15	0.067	0.073
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	114	5570	Sample 2	14.42	14.75	1.079	99.63	1.004	0.11	0.076	0.082
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Medium	A	114	5570	Sample 2	14.42	14.75	1.079	99.63	1.004	-0.10	0.069	0.075
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Small	A	114	5570	Sample 2	14.42	14.75	1.079	99.63	1.004	0.13	0.047	0.051
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	114	5570	Sample 2	14.42	14.75	1.079	99.63	1.004	0.02	0.058	0.063
04	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Medium	A	114	5570	Sample 3	14.33	14.75	1.102	99.63	1.004	-0.07	0.191	0.211
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Small	A	114	5570	Sample 3	14.33	14.75	1.102	99.63	1.004	0.01	0.119	0.132
	WLAN5GHz	802.11ac-VHT160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	114	5570	Sample 3	14.33	14.75	1.102	99.63	1.004	0.06	0.164	0.181
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Medium	A	114	5570	Sample 3	14.33	14.75	1.102	99.63	1.004	0.04	0.110	0.122
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Small	A	114	5570	Sample 3	14.33	14.75	1.102	99.63	1.004	0.13	0.089	0.098
	WLAN5GHz	802.11ac-VHT160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	114	5570	Sample 3	14.33	14.75	1.102	99.63	1.004	-0.05	0.090	0.100
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Medium	A	155	5775	Sample 1	14.24	14.50	1.062	99.63	1.004	0.01	0.477	0.509
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Small	A	155	5775	Sample 1	14.24	14.50	1.062	99.63	1.004	0.11	0.468	0.499
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Low Nose Bridge	A	155	5775	Sample 1	14.24	14.50	1.062	99.63	1.004	-0.09	0.450	0.480
	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Medium	A	155	5775	Sample 1	14.24	14.50	1.062	99.63	1.004	-0.04	0.136	0.145
	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Small	A	155	5775	Sample 1	14.24	14.50	1.062	99.63	1.004	-0.17	0.128	0.136
	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	155	5775	Sample 1	14.24	14.50	1.062	99.63	1.004	0.02	0.093	0.099
	WLAN5GHz	802.11n-HT40 MCS0	Face-Worn	0mm	Medium	A	151	5755	Sample 1	14.49	14.50	1.002	99.74	1.003	-0.10	0.458	0.460
	WLAN5GHz	802.11n-HT40 MCS0	Face-Worn	0mm	Medium	A	159	5795	Sample 1	14.48	14.50	1.005	99.74	1.003	0.16	0.447	0.451
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Medium	A	155	5775	Sample 2	14.20	14.50	1.072	99.63	1.004	-0.05	0.106	0.114
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Small	A	155	5775	Sample 2	14.20	14.50	1.072	99.63	1.004	0.03	0.104	0.112
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Low Nose Bridge	A	155	5775	Sample 2	14.20	14.50	1.072	99.63	1.004	0.05	0.100	0.108
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Low Nose Bridge	A	155	5775	Sample 2	14.20	14.50	1.072	99.63	1.004	0.05	0.100	0.108



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	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Medium	A	155	5775	Sample 2	14.20	14.50	1.072	99.63	1.004	0.17	0.072	0.077
	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Small	A	155	5775	Sample 2	14.20	14.50	1.072	99.63	1.004	-0.08	0.068	0.073
	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	155	5775	Sample 2	14.20	14.50	1.072	99.63	1.004	0.07	0.049	0.053
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Medium	A	155	5775	Sample 3	14.16	14.50	1.081	99.63	1.004	0.05	0.281	0.305
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Small	A	155	5775	Sample 3	14.16	14.50	1.081	99.63	1.004	0.05	0.160	0.174
	WLAN5GHz	802.11ac-VHT80 MCS0	Face-Worn	0mm	Low Nose Bridge	A	155	5775	Sample 3	14.16	14.50	1.081	99.63	1.004	-0.05	0.163	0.177
	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Medium	A	155	5775	Sample 3	14.16	14.50	1.081	99.63	1.004	0.02	0.145	0.157
	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Small	A	155	5775	Sample 3	14.16	14.50	1.081	99.63	1.004	0.11	0.138	0.150
	WLAN5GHz	802.11ac-VHT80 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	155	5775	Sample 3	14.16	14.50	1.081	99.63	1.004	-0.04	0.093	0.101

【WLAN 6GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)	Measured APD (W/m ²)	Reported APD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	207	6985	Sample 1	13.49	13.75	1.062	99.76	1.002	-0.17	0.289	0.308	1.670	1.777
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	15	6025	Sample 1	13.33	13.50	1.04	99.76	1.002	-0.16	0.166	0.173	1.100	1.146
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	47	6185	Sample 1	13.42	13.50	1.019	99.76	1.002	-0.02	0.089	0.091	0.529	0.540
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	111	6505	Sample 1	13.30	13.50	1.047	99.76	1.002	-0.01	0.106	0.111	0.677	0.710
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	175	6825	Sample 1	12.99	13.25	1.062	99.76	1.002	-0.09	0.109	0.116	0.529	0.563
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Small	A	207	6985	Sample 1	13.49	13.75	1.062	99.76	1.002	-0.05	0.192	0.204	1.120	1.192
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	207	6985	Sample 1	13.49	13.75	1.062	99.76	1.002	-0.19	0.131	0.139	0.774	0.824
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	207	6985	Sample 1	13.49	13.75	1.062	99.76	1.002	-0.16	0.098	0.104	0.659	0.701
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	15	6025	Sample 1	13.33	13.50	1.04	99.76	1.002	-0.09	0.086	0.090	0.510	0.531
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	47	6185	Sample 1	13.42	13.50	1.019	99.76	1.002	0.05	0.042	0.043	0.359	0.367
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	111	6505	Sample 1	13.30	13.50	1.047	99.76	1.002	0.09	0.038	0.040	0.269	0.282
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	175	6825	Sample 1	12.99	13.25	1.062	99.76	1.002	0.01	0.045	0.048	0.348	0.370
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Small	A	207	6985	Sample 1	13.49	13.75	1.062	99.76	1.002	-0.09	0.089	0.095	0.598	0.636
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	207	6985	Sample 1	13.49	13.75	1.062	99.76	1.002	-0.09	0.089	0.095	0.607	0.646
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	207	6985	Sample 2	13.45	13.75	1.072	99.76	1.002	0.14	0.123	0.132	0.956	1.027
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	15	6025	Sample 2	13.29	13.50	1.05	99.76	1.002	0.11	0.137	0.144	0.918	0.966
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	47	6185	Sample 2	13.38	13.50	1.028	99.76	1.002	-0.06	0.150	0.155	0.727	0.749
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	111	6505	Sample 2	13.26	13.50	1.057	99.76	1.002	0.09	0.153	0.162	1.070	1.133
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	175	6825	Sample 2	12.95	13.25	1.072	99.76	1.002	-0.02	0.063	0.068	0.419	0.450
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Small	A	111	6505	Sample 2	13.26	13.50	1.057	99.76	1.002	-0.01	0.132	0.140	0.664	0.703
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	111	6505	Sample 2	13.26	13.50	1.057	99.76	1.002	-0.03	0.094	0.100	0.624	0.661
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	207	6985	Sample 2	13.45	13.75	1.072	99.76	1.002	0.12	0.071	0.076	0.582	0.625
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	15	6025	Sample 2	13.29	13.50	1.05	99.76	1.002	-0.14	0.062	0.065	0.382	0.402
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	47	6185	Sample 2	13.38	13.50	1.028	99.76	1.002	-0.14	0.071	0.073	0.316	0.325
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	111	6505	Sample 2	13.26	13.50	1.057	99.76	1.002	-0.17	0.072	0.076	0.496	0.525
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	175	6825	Sample 2	12.95	13.25	1.072	99.76	1.002	0.07	0.030	0.032	0.158	0.170
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Small	A	111	6505	Sample 2	13.26	13.50	1.057	99.76	1.002	-0.13	0.068	0.072	0.418	0.443
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	111	6505	Sample 2	13.26	13.50	1.057	99.76	1.002	-0.17	0.066	0.070	0.440	0.466
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	207	6985	Sample 3	13.33	13.75	1.102	99.76	1.002	0.08	0.224	0.247	1.610	1.778
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	15	6025	Sample 3	13.17	13.50	1.079	99.76	1.002	0.01	0.318	0.344	2.070	2.238
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	47	6185	Sample 3	13.26	13.50	1.057	99.76	1.002	0.03	0.189	0.200	1.250	1.324
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	111	6505	Sample 3	13.14	13.50	1.086	99.76	1.002	0.01	0.302	0.329	1.970	2.144
05	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Medium	A	175	6825	Sample 3	12.83	13.25	1.102	99.76	1.002	-0.02	0.333	0.368	2.280	2.518
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Small	A	175	6825	Sample 3	12.83	13.25	1.102	99.76	1.002	-0.10	0.168	0.186	1.190	1.314
	WLAN6GHz	802.11ax-HE160 MCS0	Face-Worn	0mm	Low Nose Bridge	A	175	6825	Sample 3	12.83	13.25	1.102	99.76	1.002	0.12	0.167	0.184	1.090	1.204
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	207	6985	Sample 3	13.33	13.75	1.102	99.76	1.002	-0.05	0.081	0.089	0.660	0.729
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	15	6025	Sample 3	13.17	13.50	1.079	99.76	1.002	-0.10	0.148	0.160	0.632	0.683
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	47	6185	Sample 3	13.26	13.50	1.057	99.76	1.002	-0.19	0.081	0.086	0.459	0.486
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	111	6505	Sample 3	13.14	13.50	1.086	99.76	1.002	-0.01	0.079	0.086	0.554	0.603
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Medium	A	175	6825	Sample 3	12.83	13.25	1.102	99.76	1.002	0.09	0.117	0.129	0.842	0.930
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Small	A	15	6025	Sample 3	13.17	13.50	1.079	99.76	1.002	-0.10	0.086	0.093	0.537	0.581
	WLAN6GHz	802.11ax-HE160 MCS0	Rest-on-Head	0mm	Low Nose Bridge	A	15	6025	Sample 3	13.17	13.50	1.079	99.76	1.002	-0.18	0.107	0.116	0.852	0.921

**【Bluetooth SAR】**

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)
	Bluetooth	1Mbps	Face-Worn	0mm	Medium	A	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.06	0.056	0.078
	Bluetooth	1Mbps	Face-Worn	0mm	Small	A	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.01	0.049	0.068
	Bluetooth	1Mbps	Face-Worn	0mm	Low Nose Bridge	A	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.18	0.037	0.051
	Bluetooth	1Mbps	Rest-on-Head	0mm	Medium	A	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.00	0.030	0.042
	Bluetooth	1Mbps	Rest-on-Head	0mm	Small	A	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	-0.14	0.027	0.037
	Bluetooth	1Mbps	Rest-on-Head	0mm	Low Nose Bridge	A	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.06	0.029	0.040
	Bluetooth	1Mbps	Face-Worn	0mm	Medium	A	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	-0.08	0.047	0.066
	Bluetooth	1Mbps	Face-Worn	0mm	Small	A	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.05	0.040	0.056
	Bluetooth	1Mbps	Face-Worn	0mm	Low Nose Bridge	A	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.09	0.036	0.050
	Bluetooth	1Mbps	Rest-on-Head	0mm	Medium	A	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.04	0.033	0.046
	Bluetooth	1Mbps	Rest-on-Head	0mm	Small	A	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	-0.07	0.029	0.041
	Bluetooth	1Mbps	Rest-on-Head	0mm	Low Nose Bridge	A	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.12	0.032	0.045
06	Bluetooth	1Mbps	Face-Worn	0mm	Medium	A	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	-0.03	0.056	0.079
	Bluetooth	1Mbps	Face-Worn	0mm	Small	A	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.05	0.048	0.068
	Bluetooth	1Mbps	Face-Worn	0mm	Low Nose Bridge	A	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.09	0.043	0.061
	Bluetooth	1Mbps	Rest-on-Head	0mm	Medium	A	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.13	0.032	0.045
	Bluetooth	1Mbps	Rest-on-Head	0mm	Small	A	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	-0.04	0.028	0.040
	Bluetooth	1Mbps	Rest-on-Head	0mm	Low Nose Bridge	A	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.07	0.031	0.044

**11.2 Body Worn Accessory SAR**

[WLAN 2.4GHz_5GHz SAR]

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)
07	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Medium	B	12	2467	Sample 1	11.45	11.50	1.012	100.0	1.0	0.02	0.556	0.563
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Medium	B	12	2467	Sample 1	11.45	11.50	1.012	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	5mm	Medium	C	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	5mm	Medium	C	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	-0.01	0.112	0.113
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Medium	B	12	2467	Sample 2	11.38	11.50	1.028	100.0	1.0	-0.01	0.459	0.472
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Medium	B	12	2467	Sample 2	11.38	11.50	1.028	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	5mm	Medium	C	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	5mm	Medium	C	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	-0.09	0.086	0.088
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Medium	B	12	2467	Sample 3	11.32	11.50	1.042	100.0	1.0	-0.15	0.381	0.397
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Medium	B	12	2467	Sample 3	11.32	11.50	1.042	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	5mm	Medium	C	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	5mm	Medium	C	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.14	0.023	0.024
08	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	B	50	5250	Sample 1	2.53	2.75	1.052	99.63	1.004	0.01	0.229	0.242
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Medium	B	50	5250	Sample 1	2.53	2.75	1.052	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	5mm	Medium	C	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	-0.01	0.035	0.036
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	5mm	Medium	C	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	-0.03	0.361	0.372
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	B	50	5250	Sample 2	2.49	2.75	1.062	99.63	1.004	0.05	0.215	0.229
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Medium	B	50	5250	Sample 2	2.49	2.75	1.062	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	5mm	Medium	C	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	-0.01	0.093	0.097
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	5mm	Medium	C	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	-0.03	0.160	0.167
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	B	50	5250	Sample 3	2.44	2.75	1.074	99.63	1.004	0.06	0.068	0.073
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Medium	B	50	5250	Sample 3	2.44	2.75	1.074	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	5mm	Medium	C	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	5mm	Medium	C	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	0.02	0.234	0.250
09	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	B	114	5570	Sample 1	2.23	2.25	1.005	99.63	1.004	0.03	0.228	0.230
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Medium	B	114	5570	Sample 1	2.23	2.25	1.005	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	5mm	Medium	C	114	5570	Sample 1	17.63	18.00	1.089	99.63	1.004	-0.12	0.045	0.049
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	5mm	Medium	C	114	5570	Sample 1	17.63	18.00	1.089	99.63	1.004	0.07	0.430	0.470
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	B	114	5570	Sample 2	2.19	2.25	1.014	99.63	1.004	-0.05	0.274	0.279
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Medium	B	114	5570	Sample 2	2.19	2.25	1.014	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	5mm	Medium	C	114	5570	Sample 2	17.56	18.00	1.107	99.63	1.004	-0.06	0.083	0.092
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	5mm	Medium	C	114	5570	Sample 2	17.56	18.00	1.107	99.63	1.004	-0.02	0.173	0.192
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	B	114	5570	Sample 3	2.12	2.25	1.03	99.63	1.004	-0.06	0.062	0.064
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	5mm	Medium	B	114	5570	Sample 3	2.12	2.25	1.03	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	5mm	Medium	C	114	5570	Sample 3	17.46	18.00	1.132	99.63	1.004	0.05	0.010	0.011
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	5mm	Medium	C	114	5570	Sample 3	17.46	18.00	1.132	99.63	1.004	-0.10	0.411	0.467
10	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Medium	B	155	5775	Sample 1	2.71	2.75	1.009	99.63	1.004	-0.15	0.558	0.565
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Medium	B	155	5775	Sample 1	2.71	2.75	1.009	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	5mm	Medium	C	155	5775	Sample 1	17.75	18.00	1.059	99.63	1.004	0.05	0.064	0.068
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	5mm	Medium	C	155	5775	Sample 1	17.75	18.00	1.059	99.63	1.004	0.07	0.621	0.660
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	5mm	Medium	C	151	5755	Sample 1	17.95	18.00	1.012	99.74	1.003	0.09	0.625	0.634
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	5mm	Medium	C	159	5795	Sample 1	17.91	18.00	1.021	99.74	1.003	0.14	0.601	0.615
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Medium	B	155	5775	Sample 2	2.68	2.75	1.016	99.63	1.004	-0.07	0.305	0.311
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Medium	B	155	5775	Sample 2	2.68	2.75	1.016	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	5mm	Medium	C	155	5775	Sample 2	17.72	18.00	1.067	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	5mm	Medium	C	155	5775	Sample 2	17.72	18.00	1.067	99.63	1.004	0.04	0.447	0.479
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	5mm	Medium	C	151	5755	Sample 2	17.89	18.00	1.026	99.74	1.003	0.15	0.439	0.452
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	5mm	Medium	C	159	5795	Sample 2	17.85	18.00	1.035	99.74	1.003	0.05	0.433	0.449
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Medium	B	155	5775	Sample 3	2.64	2.75	1.026	99.63	1.004	0.17	0.241	0.248
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	5mm	Medium	B	155	5775	Sample 3	2.64	2.75	1.026	99.63	1.004	-0.19	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	5mm	Medium	C	155	5775	Sample 3	17.68	18.00	1.076	99.63	1.004	0.09	0.111	0.120
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	5mm	Medium	C	155	5775	Sample 3	17.68	18.00	1.076	99.63	1.004	-0.07	0.465	0.502
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	5mm	Medium	C	151	5755	Sample 3	17.83	18.00	1.04	99.74	1.003	0.14	0.458	0.478
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	5mm	Medium	C	159	5795	Sample 3	17.79	18.00	1.05	99.74	1.003	0.09	0.451	0.475



【WLAN 6GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)	Measured APD (W/m^2)	Reported APD (W/m^2)
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	207	6985	Sample 1	4.22	4.50	1.067	99.76	1.002	-0.15	0.255	0.273	1.220	1.304
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	15	6025	Sample 1	3.38	3.75	1.089	99.76	1.002	-0.13	0.414	0.452	1.970	2.150
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	47	6185	Sample 1	3.74	3.75	1.002	99.76	1.002	0.04	0.259	0.260	2.040	2.048
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	111	6505	Sample 1	3.69	3.75	1.014	99.76	1.002	0.18	0.261	0.265	2.080	2.113
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	175	6825	Sample 1	3.86	4.25	1.094	99.76	1.002	0.09	0.217	0.238	1.640	1.798
	WLAN6GHz	802.11ax-HE160 MCS0	Front	5mm	Medium	B	207	6985	Sample 1	4.22	4.50	1.067	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	5mm	Medium	C	207	6985	Sample 1	13.49	14.75	1.337	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	5mm	Medium	C	207	6985	Sample 1	13.49	14.75	1.337	99.76	1.002	-0.01	0.196	0.263	1.760	2.358
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	207	6985	Sample 2	4.18	4.50	1.076	99.76	1.002	-0.13	0.290	0.313	1.420	1.531
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	15	6025	Sample 2	3.34	3.75	1.099	99.76	1.002	-0.02	0.287	0.316	1.400	1.542
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	47	6185	Sample 2	3.70	3.75	1.012	99.76	1.002	0.14	0.230	0.233	1.160	1.176
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	111	6505	Sample 2	3.65	3.75	1.023	99.76	1.002	-0.11	0.193	0.198	1.160	1.189
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	175	6825	Sample 2	3.82	4.25	1.104	99.76	1.002	0.15	0.122	0.135	0.646	0.715
	WLAN6GHz	802.11ax-HE160 MCS0	Front	5mm	Medium	B	207	6985	Sample 2	4.18	4.50	1.076	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	5mm	Medium	C	207	6985	Sample 2	13.41	14.75	1.361	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	5mm	Medium	C	207	6985	Sample 2	13.41	14.75	1.361	99.76	1.002	-0.07	0.120	0.164	1.080	1.473
11	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	207	6985	Sample 3	4.09	4.50	1.099	99.76	1.002	0.14	0.427	0.470	1.870	2.059
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	15	6025	Sample 3	3.25	3.75	1.122	99.76	1.002	-0.10	0.228	0.256	0.924	1.039
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	47	6185	Sample 3	3.61	3.75	1.033	99.76	1.002	-0.00	0.226	0.234	0.895	0.926
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	111	6505	Sample 3	3.56	3.75	1.045	99.76	1.002	0.00	0.256	0.268	0.902	0.944
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	B	175	6825	Sample 3	3.73	4.25	1.127	99.76	1.002	0.16	0.153	0.173	0.721	0.814
	WLAN6GHz	802.11ax-HE160 MCS0	Front	5mm	Medium	B	207	6985	Sample 3	4.09	4.50	1.099	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	5mm	Medium	C	207	6985	Sample 3	13.35	14.75	1.38	99.76	1.002	-0.04	0.042	0.058	0.233	0.322
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	5mm	Medium	C	207	6985	Sample 3	13.35	14.75	1.38	99.76	1.002	0.10	0.274	0.379	2.040	2.821

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)
12	Bluetooth	1Mbps	Back	0mm	Medium	B	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	-0.15	0.315	0.436
	Bluetooth	1Mbps	Front	5mm	Medium	B	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	5mm	Medium	B	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	5mm	Medium	B	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.01	0.028	0.039
	Bluetooth	1Mbps	Back	0mm	Medium	B	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	-0.10	0.288	0.404
	Bluetooth	1Mbps	Front	5mm	Medium	B	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	5mm	Medium	B	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	5mm	Medium	B	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.03	0.023	0.032
	Bluetooth	1Mbps	Back	0mm	Medium	B	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.02	0.298	0.421
	Bluetooth	1Mbps	Front	5mm	Medium	B	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	5mm	Medium	B	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	5mm	Medium	B	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	-0.10	0.023	0.033



11.3 Handheld SAR

[WLAN 2.4GHz_5GHz SAR]

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)
13	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Medium	C	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	-0.04	0.029	0.029
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	0mm	Medium	C	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.04	0.240	0.242
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Medium	C	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.04	0.195	0.196
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Medium	C	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Medium	C	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Medium	C	11	2462	Sample 1	17.97	18.00	1.007	100.0	1.0	-0.13	0.036	0.036
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Medium	C	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	0mm	Medium	C	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	0.05	0.046	0.047
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Medium	C	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	-0.05	0.027	0.028
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Medium	C	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Medium	C	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Medium	C	11	2462	Sample 2	17.89	18.00	1.026	100.0	1.0	0.00	0.001	0.001
14	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Medium	C	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.05	0.013	0.013
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	0mm	Medium	C	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	-0.06	0.080	0.083
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Medium	C	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.06	0.079	0.082
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Medium	C	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Medium	C	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.00	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Medium	C	11	2462	Sample 3	17.84	18.00	1.038	100.0	1.0	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Medium	C	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	-0.11	0.057	0.059
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Medium	C	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	0.09	0.196	0.202
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Medium	C	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	-0.15	0.035	0.036
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	C	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Medium	C	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Medium	C	50	5250	Sample 1	17.89	18.00	1.026	99.63	1.004	0.17	0.017	0.018
15	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Medium	C	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	-0.01	0.011	0.011
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Medium	C	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	0.05	0.046	0.048
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Medium	C	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	0.01	0.010	0.010
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	C	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	0.06	0.006	0.006
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Medium	C	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Medium	C	50	5250	Sample 2	17.83	18.00	1.04	99.63	1.004	0.00	0.010	0.010
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Medium	C	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	-0.03	0.021	0.022
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Medium	C	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	-0.19	0.128	0.136
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Medium	C	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	0.07	0.031	0.033
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	C	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	-0.14	0.019	0.020
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Medium	C	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	0.10	0.021	0.022
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Medium	C	50	5250	Sample 3	17.74	18.00	1.062	99.63	1.004	-0.05	0.016	0.017
16	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Medium	C	114	5570	Sample 1	17.63	18.00	1.089	99.63	1.004	0.09	0.040	0.044
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Medium	C	114	5570	Sample 1	17.63	18.00	1.089	99.63	1.004	-0.09	0.230	0.251
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Medium	C	114	5570	Sample 1	17.63	18.00	1.089	99.63	1.004	-0.06	0.049	0.054
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	C	114	5570	Sample 1	17.63	18.00	1.089	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Medium	C	114	5570	Sample 1	17.63	18.00	1.089	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Medium	C	114	5570	Sample 1	17.63	18.00	1.089	99.63	1.004	-0.18	0.040	0.044
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Medium	C	114	5570	Sample 2	17.56	18.00	1.107	99.63	1.004	-0.10	0.012	0.013
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Medium	C	114	5570	Sample 2	17.56	18.00	1.107	99.63	1.004	-0.02	0.120	0.133
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Medium	C	114	5570	Sample 2	17.56	18.00	1.107	99.63	1.004	-0.15	0.033	0.037
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	C	114	5570	Sample 2	17.56	18.00	1.107	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Medium	C	114	5570	Sample 2	17.56	18.00	1.107	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Medium	C	114	5570	Sample 2	17.56	18.00	1.107	99.63	1.004	-0.08	0.013	0.014
17	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Medium	C	114	5570	Sample 3	17.46	18.00	1.132	99.63	1.004	-0.14	0.036	0.041
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Medium	C	114	5570	Sample 3	17.46	18.00	1.132	99.63	1.004	-0.01	0.155	0.176
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Medium	C	114	5570	Sample 3	17.46	18.00	1.132	99.63	1.004	-0.08	0.037	0.042
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Medium	C	114	5570	Sample 3	17.46	18.00	1.132	99.63	1.004	-0.05	0.025	0.028
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Medium	C	114	5570	Sample 3	17.46	18.00	1.132	99.63	1.004	-0.13	0.014	0.016
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Medium	C	114	5570	Sample 3	17.46	18.00	1.132	99.63	1.004	-0.02	0.039	0.044
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Medium	C	155	5775	Sample 1	17.75	18.00	1.059	99.63	1.004	-0.11	0.051	0.054
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Medium	C	155	5775	Sample 1	17.75	18.00	1.059	99.63	1.004	-0.04	0.387	0.411
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Medium	C	155	5775	Sample 1	17.75	18.00	1.059	99.63	1.004	0.14	0.078	0.083
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Medium	C	155	5775	Sample 1	17.75	18.00	1.059	99.63	1.004	0.03	0.038	0.040
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Medium	C	155	5775	Sample 1	17.75	18.00	1.059	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Medium	C	155	5775	Sample 1	17.75	18.00	1.059	99.63	1.004	-0.16	0.074	0.079
18	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Medium	C	151	5755	Sample 1	17.95	18.00	1.012	99.74	1.003	-0.18	0.377	0.383
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Medium	C	159	5795	Sample 1	17.91	18.00	1.021	99.74	1.003	0.06	0.364	0.373
19	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Medium	C	155	5775	Sample 2	17.72	18.00	1.067	99.63	1.004	0.17	0.023	0.025



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	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Medium	C	155	5775	Sample 2	17.72	18.00	1.067	99.63	1.004	0.04	0.260	0.279
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Medium	C	155	5775	Sample 2	17.72	18.00	1.067	99.63	1.004	0.18	0.100	0.107
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Medium	C	155	5775	Sample 2	17.72	18.00	1.067	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Medium	C	155	5775	Sample 2	17.72	18.00	1.067	99.63	1.004	0.00	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Medium	C	155	5775	Sample 2	17.72	18.00	1.067	99.63	1.004	-0.09	0.070	0.075
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Medium	C	151	5755	Sample 2	17.89	18.00	1.026	99.74	1.003	0.05	0.251	0.258
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Medium	C	159	5795	Sample 2	17.85	18.00	1.035	99.74	1.003	0.18	0.244	0.253
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Medium	C	155	5775	Sample 3	17.68	18.00	1.076	99.63	1.004	-0.17	0.062	0.067
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Medium	C	155	5775	Sample 3	17.68	18.00	1.076	99.63	1.004	0.02	0.227	0.245
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Medium	C	155	5775	Sample 3	17.68	18.00	1.076	99.63	1.004	-0.11	0.070	0.076
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Medium	C	155	5775	Sample 3	17.68	18.00	1.076	99.63	1.004	0.07	0.039	0.042
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Medium	C	155	5775	Sample 3	17.68	18.00	1.076	99.63	1.004	0.12	0.026	0.028
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Medium	C	155	5775	Sample 3	17.68	18.00	1.076	99.63	1.004	0.13	0.085	0.092
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Medium	C	151	5755	Sample 3	17.83	18.00	1.04	99.74	1.003	0.05	0.222	0.232
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Medium	C	159	5795	Sample 3	17.79	18.00	1.05	99.74	1.003	0.03	0.201	0.212

【WLAN 6GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)	Measured APD (W/m ²)	Reported APD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	0mm	Medium	C	207	6985	Sample 1	13.49	14.75	1.337	99.76	1.002	0.08	0.014	0.019	0.318	0.426
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	207	6985	Sample 1	13.49	14.75	1.337	99.76	1.002	0.08	0.070	0.094	1.590	2.130
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Medium	C	207	6985	Sample 1	13.49	14.75	1.337	99.76	1.002	-0.15	0.012	0.016	0.272	0.364
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	C	207	6985	Sample 1	13.49	14.75	1.337	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Medium	C	207	6985	Sample 1	13.49	14.75	1.337	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Medium	C	207	6985	Sample 1	13.49	14.75	1.337	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	15	6025	Sample 1	13.33	13.75	1.102	99.76	1.002	0.06	0.134	0.148	3.040	3.357
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	47	6185	Sample 1	13.42	13.75	1.079	99.76	1.002	0.06	0.104	0.112	2.350	2.541
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	111	6505	Sample 1	13.30	13.75	1.109	99.76	1.002	0.13	0.094	0.104	2.120	2.356
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	175	6825	Sample 1	13.49	13.75	1.062	99.76	1.002	0.13	0.066	0.070	1.490	1.586
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	0mm	Medium	C	207	6985	Sample 2	13.41	14.75	1.361	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	207	6985	Sample 2	13.41	14.75	1.361	99.76	1.002	-0.12	0.080	0.109	1.800	2.455
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Medium	C	207	6985	Sample 2	13.41	14.75	1.361	99.76	1.002	-0.08	0.041	0.056	0.914	1.246
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	C	207	6985	Sample 2	13.41	14.75	1.361	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Medium	C	207	6985	Sample 2	13.41	14.75	1.361	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Medium	C	207	6985	Sample 2	13.41	14.75	1.361	99.76	1.002	-0.01	0.037	0.050	0.825	1.125
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	15	6025	Sample 2	13.25	13.75	1.122	99.76	1.002	-0.19	0.100	0.112	2.240	2.518
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	47	6185	Sample 2	13.34	13.75	1.099	99.76	1.002	0.01	0.078	0.086	1.740	1.916
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	111	6505	Sample 2	13.22	13.75	1.13	99.76	1.002	-0.01	0.091	0.103	2.030	2.298
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	175	6825	Sample 2	13.41	13.75	1.081	99.76	1.002	0.07	0.043	0.047	0.973	1.054
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	0mm	Medium	C	207	6985	Sample 3	13.35	14.75	1.38	99.76	1.002	0.04	0.050	0.069	1.150	1.590
17	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	207	6985	Sample 3	13.35	14.75	1.38	99.76	1.002	-0.15	0.114	0.158	2.630	3.637
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Medium	C	207	6985	Sample 3	13.35	14.75	1.38	99.76	1.002	-0.01	0.041	0.057	0.946	1.308
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Medium	C	207	6985	Sample 3	13.35	14.75	1.38	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Medium	C	207	6985	Sample 3	13.35	14.75	1.38	99.76	1.002	0.00	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Medium	C	207	6985	Sample 3	13.35	14.75	1.38	99.76	1.002	-0.03	0.043	0.059	0.992	1.372
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	15	6025	Sample 3	13.19	13.75	1.138	99.76	1.002	0.04	0.126	0.144	2.860	3.261
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	47	6185	Sample 3	13.28	13.75	1.114	99.76	1.002	-0.08	0.123	0.137	2.840	3.170
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	111	6505	Sample 3	13.16	13.75	1.146	99.76	1.002	0.04	0.105	0.121	2.420	2.779
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Medium	C	175	6825	Sample 3	13.32	13.75	1.104	99.76	1.002	-0.18	0.083	0.092	1.910	2.113



【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Nose Pad	Power State	Ch.	Freq. (MHz)	Sample	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)
	Bluetooth	1Mbps	Top Edge	0mm	Medium	C	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	0mm	Medium	C	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	-0.06	0.024	0.033
	Bluetooth	1Mbps	Front	0mm	Medium	C	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.03	0.023	0.032
	Bluetooth	1Mbps	Back	0mm	Medium	C	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Edge	0mm	Medium	C	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Edge	0mm	Medium	C	0	2402	Sample 1	8.93	10.00	1.279	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	0mm	Medium	C	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.00	0.001	0.001
18	Bluetooth	1Mbps	Bottom Edge	0mm	Medium	C	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	-0.06	0.024	0.034
	Bluetooth	1Mbps	Front	0mm	Medium	C	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.05	0.020	0.028
	Bluetooth	1Mbps	Back	0mm	Medium	C	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Edge	0mm	Medium	C	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Edge	0mm	Medium	C	0	2402	Sample 2	8.88	10.00	1.294	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Top Edge	0mm	Medium	C	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Bottom Edge	0mm	Medium	C	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.03	0.024	0.034
	Bluetooth	1Mbps	Front	0mm	Medium	C	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.01	0.018	0.025
	Bluetooth	1Mbps	Back	0mm	Medium	C	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Left Edge	0mm	Medium	C	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.00	0.001	0.001
	Bluetooth	1Mbps	Right Edge	0mm	Medium	C	0	2402	Sample 3	8.84	10.00	1.306	76.94	1.083	0.00	0.001	0.001

11.1 6GHz PD Test Result

Band	Mode	Test Position	Gap (mm)	Power State	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 2	15	6025	13.29	0.0625	1.02	-0.36722807	1.94	2.04
WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	10mm	A	Sample 2	15	6025	13.29	0.25	1.11		1.88	1.92
WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 2	207	6985	13.45	0.0625	2.07	0.17117269	3.81	4.3
WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	8.59mm	A	Sample 2	207	6985	13.45	0.25	1.99		3.11	3.24

Band	Mode	Test Position	Gap (mm)	Power State	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 1	15	6025	3.38	0.0625	0.654	-0.04623711	1.27	1.53
WLAN6GHz	802.11ax-HE160 MCS0	Back	10mm	B	Sample 1	15	6025	3.38	0.25	0.661		0.699	0.725
WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 1	207	6985	4.22	0.0625	0.642	-0.08706272	0.77	0.928
WLAN6GHz	802.11ax-HE160 MCS0	Back	8.59mm	B	Sample 1	207	6985	4.22	0.25	0.655		0.442	0.542

Band	Mode	Test Position	Gap (mm)	Power State	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 1	15	6025	13.33	0.0625	2.37	-0.0906702	2.33	2.43
WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	10mm	C	Sample 1	15	6025	13.33	0.25	2.42		1.18	1.26
WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 1	207	6985	13.49	0.0625	2.34	-0.16390416	1.58	1.63
WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	8.59mm	C	Sample 1	207	6985	13.49	0.25	2.43		0.856	0.989

<Face-worn & Rest-On-Head Exposure Condition>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (A)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)	Reported Calculated Inner Edge PD 4cm ² (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 1	15	6025	13.33	13.50	1.040	99.76	1.002	0.0625	1.2417	-0.03	2.88	3.73	2.98	3.86	5.18
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 1	47	6185	13.42	13.50	1.019	99.76	1.002	0.0625	1.2417	-0.08	2.28	2.89	2.52	3.19	4.11
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 1	111	6505	13.30	13.50	1.047	99.76	1.002	0.0625	1.2417	0.06	2.54	3.31	2.62	3.41	5.23
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 1	175	6825	12.99	13.25	1.062	99.76	1.002	0.0625	1.2417	-0.02	2.82	3.73	2.91	3.84	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 1	207	6985	13.49	13.75	1.062	99.76	1.002	0.0625	1.2417	0.08	3.19	4.21	3.62	4.78	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 2	15	6025	13.29	13.50	1.050	99.76	1.002	0.0625	1.2417	0.04	1.94	2.53	2.04	2.66	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 2	47	6185	13.38	13.50	1.028	99.76	1.002	0.0625	1.2417	0.05	2.23	2.85	2.31	2.95	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 2	111	6505	13.26	13.50	1.057	99.76	1.002	0.0625	1.2417	-0.17	1.76	2.31	2.1	2.76	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 2	175	6825	12.95	13.25	1.072	99.76	1.002	0.0625	1.2417	0.03	2.75	3.67	2.94	3.92	5.21
01	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 2	207	6985	13.45	13.75	1.072	99.76	1.002	0.0625	1.2417	0.06	4.21	5.61	4.42	5.89	5.28
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 3	15	6025	13.17	13.50	1.079	99.76	1.002	0.0625	1.2417	0.07	2.12	2.85	2.18	2.93	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 3	47	6185	13.26	13.50	1.057	99.76	1.002	0.0625	1.2417	-0.04	2.26	2.97	2.35	3.09	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 3	111	6505	13.14	13.50	1.086	99.76	1.002	0.0625	1.2417	-0.11	2.16	2.92	2.43	3.28	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 3	175	6825	12.83	13.25	1.102	99.76	1.002	0.0625	1.2417	0.02	2.39	3.28	2.58	3.54	-
	WLAN6GHz	802.11ax-HE160 MCS0	Inner Edge	7mm	A	Sample 3	207	6985	13.33	13.75	1.102	99.76	1.002	0.0625	1.2417	0.1	2.75	3.77	3.63	4.97	-

General Note:

- Based on approved KDB by OET, we followed the procedure to demonstrate PD compliance for outer edge antenna exposure condition.

<Rest-on-shirt & Pocketing (inside Charging Case) Exposure Condition>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (A)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 1	207	6985	4.22	4.50	1.067	99.76	1.002	0.0625	1.5535	0.09	0.77	1.28	0.928	1.54
02	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 1	15	6025	3.38	3.75	1.089	99.76	1.002	0.0625	1.5535	0.02	1.27	2.15	1.53	2.59
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 1	47	6185	3.74	3.75	1.002	99.76	1.002	0.0625	1.5535	-0.01	1.21	1.89	1.46	2.28
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 1	111	6505	3.69	3.75	1.014	99.76	1.002	0.0625	1.5535	0.02	1.25	1.97	1.5	2.37
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 1	175	6825	3.86	4.25	1.094	99.76	1.002	0.0625	1.5535	0.02	1.06	1.81	1.28	2.18
	WLAN6GHz	802.11ax-HE160 MCS0	Front	5mm	B	Sample 1	207	6985	4.22	4.50	1.067	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	5mm	C	Sample 1	207	6985	13.49	14.75	1.337	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	5mm	C	Sample 1	207	6985	13.49	14.75	1.337	99.76	1.002	0.0625	1.5535	0.09	1.02	2.12	1.2	2.50
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 2	207	6985	4.18	4.50	1.076	99.76	1.002	0.0625	1.5535	0.02	0.82	1.37	1.04	1.74
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 2	15	6025	3.34	3.75	1.099	99.76	1.002	0.0625	1.5535	-0.06	0.826	1.41	1.05	1.80
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 2	47	6185	3.70	3.75	1.012	99.76	1.002	0.0625	1.5535	-0.04	0.63	0.99	0.801	1.26
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 2	111	6505	3.65	3.75	1.023	99.76	1.002	0.0625	1.5535	0.02	0.637	1.01	0.81	1.29
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 2	175	6825	3.82	4.25	1.104	99.76	1.002	0.0625	1.5535	0.02	0.383	0.66	0.487	0.84
	WLAN6GHz	802.11ax-HE160 MCS0	Front	5mm	B	Sample 2	207	6985	4.18	4.50	1.076	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	5mm	C	Sample 2	207	6985	13.41	14.75	1.361	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	5mm	C	Sample 2	207	6985	13.41	14.75	1.361	99.76	1.002	0.0625	1.5535	-0.17	0.644	1.36	0.81	1.72
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 3	207	6985	4.09	4.50	1.099	99.76	1.002	0.0625	1.5535	0.08	0.45	0.77	0.566	0.97
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 3	15	6025	3.25	3.75	1.122	99.76	1.002	0.0625	1.5535	0.04	0.246	0.43	0.309	0.54
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 3	47	6185	3.61	3.75	1.033	99.76	1.002	0.0625	1.5535	-0.02	0.224	0.36	0.282	0.45
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 3	111	6505	3.56	3.75	1.045	99.76	1.002	0.0625	1.5535	0.08	0.257	0.42	0.324	0.53
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	B	Sample 3	175	6825	3.73	4.25	1.127	99.76	1.002	0.0625	1.5535	-0.07	0.166	0.29	0.208	0.36
	WLAN6GHz	802.11ax-HE160 MCS0	Front	5mm	B	Sample 3	207	6985	4.09	4.50	1.099	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	5mm	C	Sample 3	207	6985	13.35	14.75	1.380	99.76	1.002	0.0625	1.5535	-0.07	0.056	0.12	0.07	0.15
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	5mm	C	Sample 3	207	6985	13.35	14.75	1.380	99.76	1.002	0.0625	1.5535	-0.16	0.363	0.78	0.444	0.95

**<Handheld (inside Charging Case) Exposure Condition>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Power State	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (A)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	2mm	C	Sample 1	207	6985	13.49	14.75	1.337	99.76	1.002	0.0625	1.5535	0.08	0.275	0.57	0.29	0.60
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 1	207	6985	13.49	14.75	1.337	99.76	1.002	0.0625	1.5535	0.02	1.58	3.29	1.63	3.39
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	C	Sample 1	207	6985	13.49	14.75	1.337	99.76	1.002	0.0625	1.5535	0.04	0.235	0.49	0.248	0.52
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	C	Sample 1	207	6985	13.49	14.75	1.337	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	C	Sample 1	207	6985	13.49	14.75	1.337	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	C	Sample 1	207	6985	13.49	14.75	1.337	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 1	15	6025	13.33	13.75	1.102	99.76	1.002	0.0625	1.5535	-0.03	2.33	4.00	2.43	4.17
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 1	47	6185	13.42	13.75	1.079	99.76	1.002	0.0625	1.5535	0.08	1.64	2.75	1.73	2.91
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 1	111	6505	13.30	13.75	1.109	99.76	1.002	0.0625	1.5535	0.09	1.52	2.62	1.61	2.78
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 1	175	6825	13.49	13.75	1.062	99.76	1.002	0.0625	1.5535	-0.01	1.03	1.70	1.08	1.78
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	2mm	C	Sample 2	207	6985	13.41	14.75	1.361	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 2	207	6985	13.41	14.75	1.361	99.76	1.002	0.0625	1.5535	0.08	1.63	3.45	1.8	3.81
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	C	Sample 2	207	6985	13.41	14.75	1.361	99.76	1.002	0.0625	1.5535	-0.02	1.07	2.27	1.13	2.39
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	C	Sample 2	207	6985	13.41	14.75	1.361	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	C	Sample 2	207	6985	13.41	14.75	1.361	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	C	Sample 2	207	6985	13.41	14.75	1.361	99.76	1.002	0.0625	1.5535	0.09	0.966	2.05	1.02	2.16
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 2	15	6025	13.25	13.75	1.122	99.76	1.002	0.0625	1.5535	-0.06	2.17	3.79	2.29	4.00
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 2	47	6185	13.34	13.75	1.099	99.76	1.002	0.0625	1.5535	-0.11	1.65	2.82	1.74	2.98
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 2	111	6505	13.22	13.75	1.130	99.76	1.002	0.0625	1.5535	0.08	1.98	3.48	2.09	3.68
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 2	175	6825	13.41	13.75	1.081	99.76	1.002	0.0625	1.5535	0.03	0.907	1.53	0.957	1.61
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	2mm	C	Sample 3	207	6985	13.35	14.75	1.380	99.76	1.002	0.0625	1.5535	0.06	1.12	2.41	1.17	2.51
03	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 3	207	6985	13.35	14.75	1.380	99.76	1.002	0.0625	1.5535	-0.13	2.56	5.50	2.67	5.74
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	C	Sample 3	207	6985	13.35	14.75	1.380	99.76	1.002	0.0625	1.5535	-0.02	0.92	1.98	0.96	2.06
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	C	Sample 3	207	6985	13.35	14.75	1.380	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	C	Sample 3	207	6985	13.35	14.75	1.380	99.76	1.002	0.0625	1.5535	0	0	0.00	0	0.00
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	C	Sample 3	207	6985	13.35	14.75	1.380	99.76	1.002	0.0625	1.5535	0.08	0.966	2.08	1.01	2.17
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 3	15	6025	13.19	13.75	1.138	99.76	1.002	0.0625	1.5535	0.02	2.3	4.07	2.39	4.23
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 3	47	6185	13.28	13.75	1.114	99.76	1.002	0.0625	1.5535	0.09	2.23	3.87	2.33	4.04
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 3	111	6505	13.16	13.75	1.146	99.76	1.002	0.0625	1.5535	-0.11	1.96	3.49	2.04	3.64
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	C	Sample 3	175	6825	13.32	13.75	1.104	99.76	1.002	0.0625	1.5535	0.08	1.49	2.56	1.55	2.66

12. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Head	Body-worn	Handheld
1.	5GHz WLAN + Bluetooth	Yes	Yes	Yes
2.	6GHz WLAN + Bluetooth	Yes	Yes	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 Head Exposure Conditions

<Face-worn / Rest-on-Head Exposure Condition under Head-stand Phantom>

Exposure Position	1	2	3	4	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
	2.4GHz WLAN 1g SAR (W/kg)	5GHz WLAN 1g SAR (W/kg)	6GHz WLAN 1g SAR (W/kg)	Bluetooth 1g SAR (W/kg)		
Face-Worn at 0mm	0.347	0.509	0.368	0.079	0.588	0.447
Rest-on-Head at 0mm	0.267	0.205	0.160	0.046	0.251	0.206

12.2 Body-Worn Accessory Exposure Conditions

<Rest-on-shirt Exposure Condition under SAM-twin Phantom>

Exposure Position	1	2	3	4	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
	2.4GHz WLAN 1g SAR (W/kg)	5GHz WLAN 1g SAR (W/kg)	6GHz WLAN 1g SAR (W/kg)	Bluetooth 1g SAR (W/kg)		
Back at 0mm	0.563	0.565	0.470	0.436	1.001	0.906

<Pocketing Exposure Condition under SAM-twin Phantom>

Exposure Position	1	2	3	4	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
	2.4GHz WLAN 1g SAR (W/kg)	5GHz WLAN 1g SAR (W/kg)	6GHz WLAN 1g SAR (W/kg)	Bluetooth 1g SAR (W/kg)		
Front at 5mm	0.001	0.001	0.001	0.001	0.002	0.002

<Pocketing (in case) Exposure Condition under SAM-twin Phantom>

Exposure Position	1	2	3	4	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
	2.4GHz WLAN 1g SAR (W/kg)	5GHz WLAN 1g SAR (W/kg)	6GHz WLAN 1g SAR (W/kg)	Bluetooth 1g SAR (W/kg)		
Top Edge at 5mm	0.001	0.12	0.058	0.001	0.121	0.059
Bottom Edge at 5mm	0.113	0.66	0.379	0.039	0.699	0.418

12.3 Handheld Exposure Conditions

<Handheld (in case) Exposure Condition under SAM-twin Phantom>

Exposure Position	1	2	3	4	2+4 Summed 10g SAR (W/kg)	3+4 Summed 10g SAR (W/kg)
	2.4GHz WLAN 10g SAR (W/kg)	5GHz WLAN 10g SAR (W/kg)	6GHz WLAN 10g SAR (W/kg)	Bluetooth 10g SAR (W/kg)		
Top Edge at 0mm	0.029	0.067	0.069	0.001	0.068	0.070
Bottom Edge at 0mm	0.242	0.411	0.158	0.034	0.445	0.192
Front at 0mm	0.197	0.107	0.057	0.032	0.139	0.089
Back at 0mm	0.001	0.042	0.001	0.001	0.043	0.002
Left Edge at 0mm	0.001	0.028	0.001	0.001	0.029	0.002
Right Edge at 0mm	0.036	0.092	0.059	0.001	0.093	0.060

Test Engineer : Sing Lim

13. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is 1.5 W/kg and the measured 10-g SAR within a frequency band is 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg. Therefore, the measurement uncertainty table is not required in this report.

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 for 2mm separation distance:

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 dependance	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 dep endent 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

Applicable for Power Density Measurements for 7mm separation distance:

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 dependance	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	1.13	R	1.732	1	0.65
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 dep endent 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					0.94
Expanded STD Uncertainty (95%)					1.88

14. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [8] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [9] IEC/IEEE 62209-1528:2020, "Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)", Oct. 2020
- [10] SPEAG DASY6 System Handbook
- [11] SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)