

FCC SAR TEST REPORT

FCC ID : HD5-CT70L0
Equipment : Mobile Computer
Brand Name : Honeywell
Model Name : CT70-L0
Applicant : Honeywell International Inc
9680 Old Bailes Rd. Fort Mill, SC 29707 United States
Manufacturer : Honeywell International Inc
9680 Old Bailes Rd. Fort Mill, SC 29707 United States
Standard : FCC 47 CFR Part 2 (2.1093)

The product was received on Jul. 01, 2025 and testing was started from Jul. 02, 2025 and completed on Jul. 23, 2025. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

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



Approved by: Cona Huang / Deputy Manager



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History of this test report

Report No.	Version	Description	Issued Date
FA570406	01	Initial issue of report	Aug. 04, 2025

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for **Honeywell International Inc, Mobile Computer, CT70-L0**, 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 15mm)	Product Specific (Separation 0mm)		
		1g SAR (W/kg)		10g SAR (W/kg)		
DTS	2.4GHz WLAN	0.81	0.19	0.69	0.85	1.92
NII	5GHz WLAN	0.66	0.77	2.48	0.90	2.61
6XD	6GHz WLAN	0.21	0.08	0.29		
DSS	Bluetooth	0.29	0.05	0.18	0.90	2.61
DXX	NFC			0.06		2.61
Equipment Class	Frequency Band	Head	Body-worn	Product Specific	Reported PD (mW/cm^2)	
		Reported APD (mW/cm^2)	Reported APD (mW/cm^2)	Reported APD (mW/cm^2)		
6XD	6GHz WLAN	0.11	0.07	0.69	0.72	
Date of Testing:		2025/07/02 ~ 2025/07/23				

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, 4.0 W/kg for Product Specific 10g 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 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- 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	Mobile Computer
Brand Name	Honeywell
Model Name	CT70-L0
FCC ID	HD5-CT70L0
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 Bluetooth: 2400 MHz ~ 2483.5 MHz NFC : 13.56 MHz
Mode	WLAN:802.11a/b/g/n/ac/ax/be HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE NFC: ASK
HW Version	V1.0
SW Version	OS.41.001
EUT Stage	Engineering Sample
Remark:	
1. This device has three kinds of batteries; RF exposure evaluation selects Standard as the main test, Extend / Wireless will spot check worst case found in Standard. 2. This device has two kinds of scanners; RF exposure evaluation selects S0703 as the main test, S0803FR will spot check worst case found in S0703. 3. The device support DBS and HBS function when 2.4GHz transmit with 5G/6GHz or 5.2G/5.3G transmit with 5.5G/5.8G/5.9G/6GHz which the device will limit different output power. 4. LB: 5.2G/5.3GHz WLAN, HB: 5.5G/5.8G/5.9G/6GHz WLAN 5. There are multiple body-worn accessories designed by manufacturer and all of them have no metallic materials. The minimum separation 15 for all accessories when body-worn scenario and hence 15 mm separation were performed for body-worn exposure condition as a most conservative condition for SAR.	

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:

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

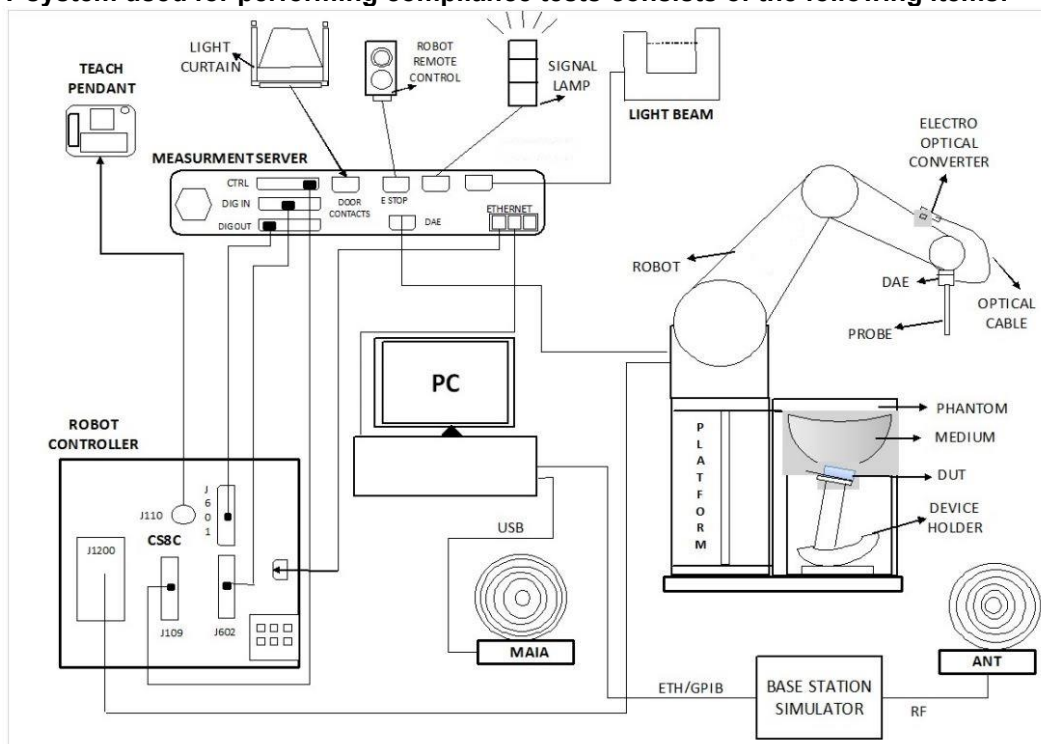
SAR is expressed in units of Watts per kilogram (W/kg)

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

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.

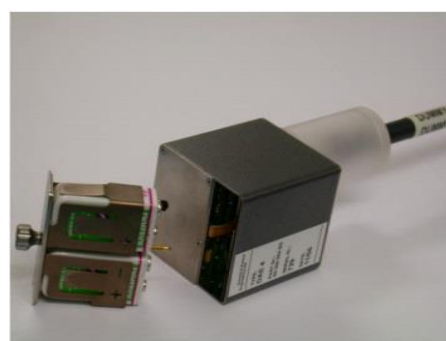


Fig 5.1 Photo of DAE

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.

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	Calibration	
				Last Cal.	Due Date
SPEAG	2450MHz System Validation Kit	D2450V2	736	Aug. 15, 2024	Aug. 14, 2025
SPEAG	2450MHz System Validation Kit ⁽²⁾	D2450V2	929	Nov. 21, 2022	Nov. 18, 2025
SPEAG	5GHz System Validation Kit	D5GHzV2	1006	Oct. 15, 2024	Oct. 14, 2025
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1083	Oct. 17, 2024	Oct. 16, 2025
SPEAG	13MHz System Validation Kit ⁽²⁾	CLA13	1022	Sep. 01, 2022	Aug. 29, 2025
SPEAG	5G Verification Source	10GHz	1020	Jan. 14, 2025	Jan. 13, 2026
SPEAG	EUMMWV Probe Tip Protection	EUMMWV4	9461	Oct. 16, 2024	Oct. 15, 2025
SPEAG	Data Acquisition Electronics	DAE4	656	Jan. 16, 2025	Jan. 15, 2026
SPEAG	Data Acquisition Electronics	DAE4	1424	Dec. 19, 2024	Dec. 18, 2025
SPEAG	Data Acquisition Electronics	DAE4	1696	Sep. 03, 2024	Sep. 02, 2025
SPEAG	Data Acquisition Electronics	DAE4	1794	Feb. 12, 2025	Feb. 11, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	3931	Nov. 19, 2024	Nov. 18, 2025
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
Testo	Hygro meter	608-H1	45196600	Oct. 28, 2024	Oct. 27, 2025
R&S	BT Base Station	CBT	101136	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3710A	6201502524	Sep. 24, 2024	Sep. 23, 2025
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Dielectric Probe Kit	DAK-3.5	1126	Sep. 17, 2024	Sep. 16, 2025
SPEAG	Dielectric Probe Kit	DAK-12	1169	Aug. 20, 2024	Aug. 19, 2025
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 07, 2024	Aug. 06, 2025
Anritsu	Power Meter	ML2495A	1419002	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Power Sensor	MA2411B	1911176	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Spectrum Analyzer	MS2830A	6272625959	Aug. 13, 2024	Aug. 12, 2025
Mini-Circuits	Power Amplifier	ZVE-8G+	6418	Oct. 23, 2024	Oct. 22, 2025
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

1. Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check source.
2. The dipole calibration interval can be extended to 3 years with justification according to KDB 865664 D01. 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

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
13	22.6	0.728	54.665	0.75	55.00	-2.93	-0.61	± 5	2025/7/14
2450	22.6	1.82	39.8	1.80	39.20	1.11	1.53	± 5	2025/7/2
2450	22.1	1.79	38.9	1.80	39.20	-0.56	-0.77	± 5	2025/7/11
2450	22.2	1.850	38.700	1.80	39.20	2.78	-1.28	± 5	2025/7/22
5250	22.4	4.65	36.3	4.71	35.95	-1.27	0.97	± 5	2025/7/4
5250	22.2	4.72	35.9	4.71	35.95	0.21	-0.14	± 5	2025/7/12
5250	22.3	4.620	34.700	4.71	35.95	-1.91	-3.48	± 5	2025/7/23
5600	22.4	5.02	35.8	5.07	35.50	-0.99	0.85	± 5	2025/7/4
5600	22.2	5.05	35.5	5.07	35.50	-0.39	0.00	± 5	2025/7/12
5600	22.3	5.010	34.100	5.07	35.50	-1.18	-3.94	± 5	2025/7/23
5800	22.4	5.23	35.5	5.27	35.30	-0.76	0.57	± 5	2025/7/4
5800	22.2	5.27	35.3	5.27	35.30	0.00	0.00	± 5	2025/7/12
5800	22.3	5.260	34.200	5.27	35.30	-0.19	-3.12	± 5	2025/7/23
6500	22.3	6.16	35.0	6.07	34.50	1.48	1.45	± 5	2025/7/3
6500	22.3	6.180	35.100	6.07	34.50	1.81	1.74	± 5	2025/7/13

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.

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 (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)	Test Site
2025/7/14	13	1000	CLA13-1022	EX3DV4 - SN3931	DAE4 Sn1794	0.547	0.560	0.547	-2.32	0.338	0.349	0.338	-3.15	SAR-12
2025/7/2	2450	50	D2450V2-929	EX3DV4 - SN7791	DAE4 Sn1696	2.550	52.400	51	-2.67	1.250	24.700	25	1.21	SAR-17
2025/7/11	2450	50	D2450V2-736	EX3DV4 - SN7791	DAE4 Sn1696	2.450	51.400	49	-4.67	1.190	24.200	23.8	-1.65	SAR-17
2025/7/22	2450	100	D2450V2-929	EX3DV4 - SN7700	DAE4 Sn1424	5.050	52.400	50.5	-3.63	2.360	24.700	23.6	-4.45	SAR-20
2025/7/4	5250	100	D5GHzV2-1006-5250	EX3DV4 - SN7791	DAE4 Sn1696	7.320	80.600	73.2	-9.18	2.110	22.800	21.1	-7.46	SAR-17
2025/7/12	5250	100	D5GHzV2-1006-5250	EX3DV4 - SN7791	DAE4 Sn1696	7.840	80.600	78.4	-2.73	2.270	22.800	22.7	-0.44	SAR-17
2025/7/23	5250	100	D5GHzV2-1006-5250	EX3DV4 - SN7700	DAE4 Sn1424	7.560	80.600	75.6	-6.20	2.170	22.800	21.7	-4.82	SAR-20
2025/7/4	5600	100	D5GHzV2-1006-5600	EX3DV4 - SN7791	DAE4 Sn1696	7.560	83.400	75.6	-9.35	2.160	23.700	21.6	-8.86	SAR-17
2025/7/12	5600	100	D5GHzV2-1006-5600	EX3DV4 - SN7791	DAE4 Sn1696	7.620	83.400	76.2	-8.63	2.190	23.700	21.9	-7.59	SAR-17
2025/7/23	5600	100	D5GHzV2-1006-5600	EX3DV4 - SN7700	DAE4 Sn1424	8.100	83.400	81	-2.88	2.310	23.700	23.1	-2.53	SAR-20
2025/7/4	5800	100	D5GHzV2-1006-5800	EX3DV4 - SN7791	DAE4 Sn1696	7.320	80.600	73.2	-9.18	2.080	22.700	20.8	-8.37	SAR-17
2025/7/12	5800	100	D5GHzV2-1006-5800	EX3DV4 - SN7791	DAE4 Sn1696	7.380	80.600	73.8	-8.44	2.100	22.700	21	-7.49	SAR-17
2025/7/23	5800	100	D5GHzV2-1006-5800	EX3DV4 - SN7700	DAE4 Sn1424	7.650	80.600	76.5	-5.09	2.170	22.700	21.7	-4.41	SAR-20
2025/7/3	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7791	DAE4 Sn1696	27.600	297.000	276	-7.07	5.100	54.600	51	-6.59	SAR-17
2025/7/13	6500	100	D6.5GHzV2-1083	EX3DV4 - SN7791	DAE4 Sn1696	29.300	297.000	293	-1.35	5.400	54.600	54	-1.10	SAR-17

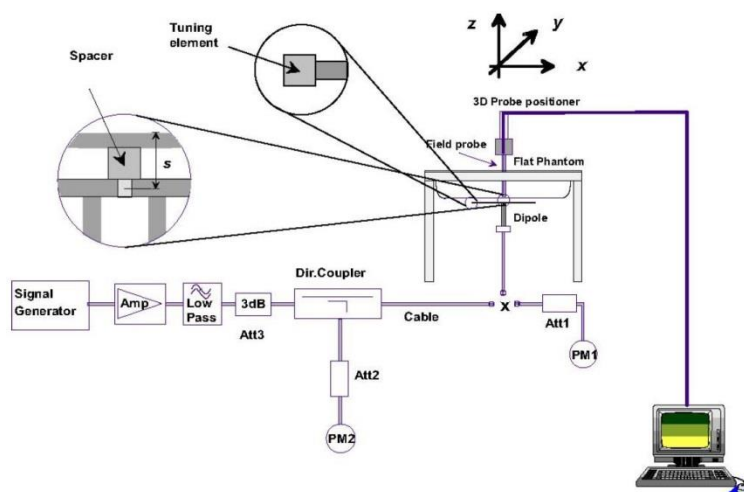


Fig 8.3.1 System Performance Check Setup



Fig 8.3.2 Setup Photo

9.1 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
SAR14	10G	10GHz_1020	9461	656	10	54.6	53.6	0.08	2025/7/4

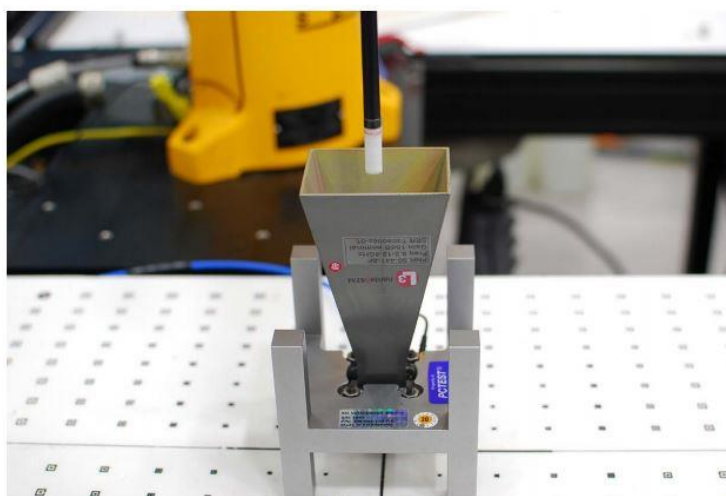


Figure 4-3
System Verification Setup Photo

System Performance Check Setup

10. RF Exposure Positions

10.1 Ear and handset reference point

Figure 9.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled "M," the left ear reference point (ERP) is marked "LE," and the right ERP is marked "RE." Each ERP is 15 mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point, as shown in Figure 9.1.2 The Reference Plane is defined as passing through the two ear reference points and point M. The line N-F (neck-front), also called the reference pivoting line, is normal to the Reference Plane and perpendicular to both a line passing through RE and LE and the B-M line (see Figure 9.1.3). Both N-F and B-M lines should be marked on the exterior of the phantom shell to facilitate handset positioning. Posterior to the N-F line the ear shape is a flat surface with 6 mm thickness at each ERP, and forward of the N-F line the ear is truncated, as illustrated in Figure 9.1.2. The ear truncation is introduced to preclude the ear lobe from interfering with handset tilt, which could lead to unstable positioning at the cheek.

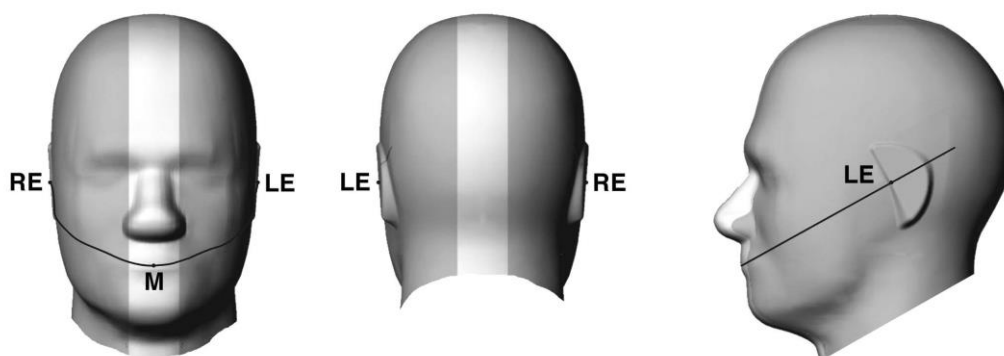


Fig 9.1.1 Front, back, and side views of SAM twin phantom

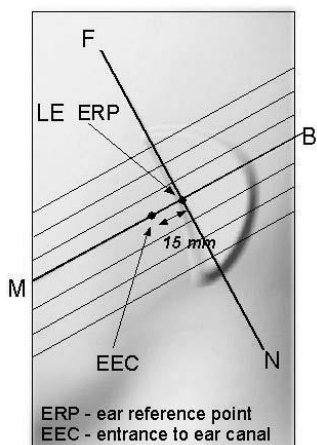


Fig 9.1.2 Close-up side view of phantom showing the ear region.

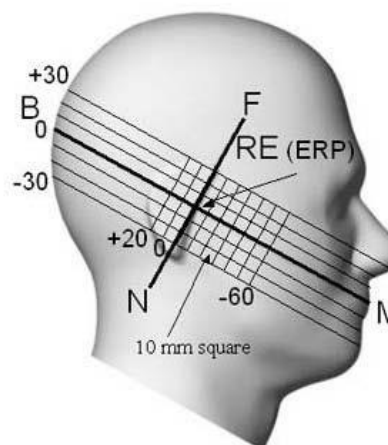


Fig 9.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

10.2 Definition of the cheek position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. Define two imaginary lines on the handset—the vertical centerline and the horizontal line. The vertical centerline passes through two points on the front side of the handset—the midpoint of the width w_t of the handset at the level of the acoustic output (point A in Figure 9.2.1 and Figure 9.2.2), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 9.2.1). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Figure 9.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
3. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 9.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
4. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP.
5. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
6. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.
7. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 9.2.3. The actual rotation angles should be documented in the test report.

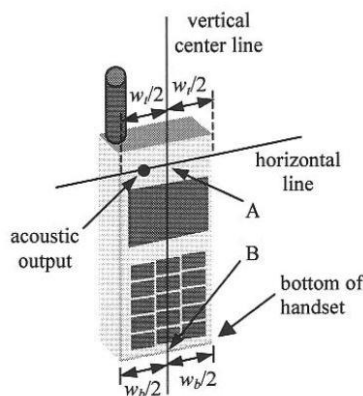


Fig 9.2.1 Handset vertical and horizontal reference lines—"fixed case"



Fig 9.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

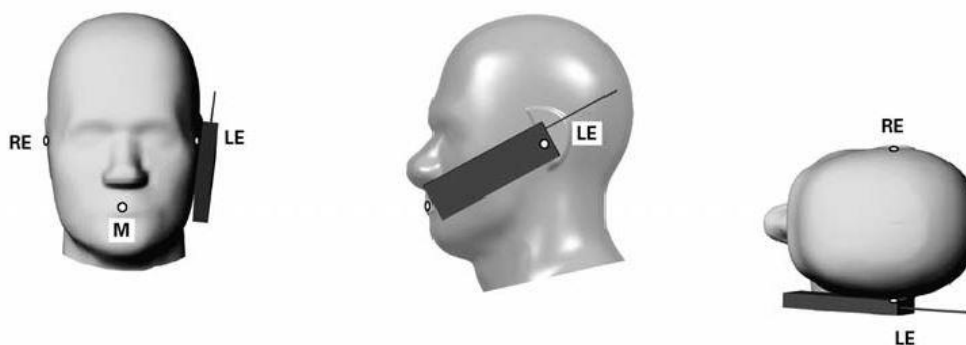


Fig 9.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

10.3 Definition of the tilt position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15° .
3. Rotate the handset around the horizontal line by 15° .
4. While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. See Figure 9.3.1. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset should be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point



Fig 9.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

10.4 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 9.4). Per KDB648474 D04v01r03, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset attached to the handset.

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are test with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

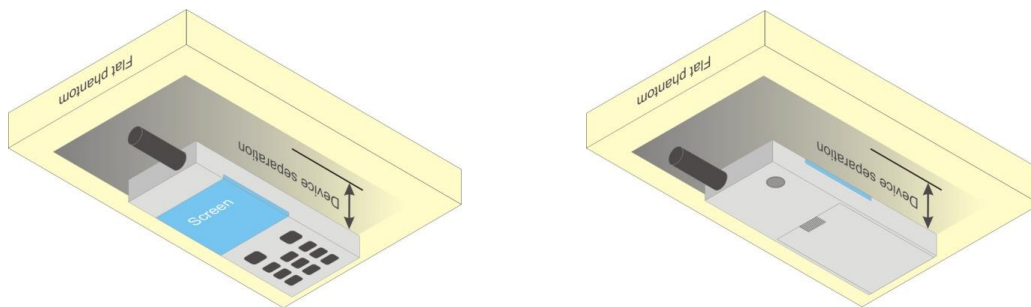


Fig 9.4 Body Worn Position

10.5 Product Specific Exposure

For smart phones with a display diagonal dimension $> 15.0 \text{ cm}$ or an overall diagonal dimension $> 16.0 \text{ cm}$ that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, According to KDB648474 D04v01r03, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.

2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at $\leq 25 \text{ mm}$ from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions.⁶ The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR $> 1.2 \text{ W/kg}$.

11. 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



<Stadalone-Head>

<2.4GHz WLAN>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412		19.00	96.70		19.00	97.10	18.30	19.00	18.26	19.00	21.29	22.00	96.70
		6	2437		19.00			19.00		18.16	19.00	18.02	19.00	21.10	22.00	
		11	2462		19.00			19.00		18.32	19.00	18.17	19.00	21.26	22.00	
	802.11g 6Mbps	1	2412		17.00			17.00			17.00		17.00		20.00	
		6	2437		19.00			19.00			19.00		19.00		22.00	
		11	2462		16.50			16.50			16.50		16.50		19.50	
	802.11n-HT20 MCS0	1	2412		18.00			18.00			18.00		18.00		21.00	
		6	2437		19.00			19.00			19.00		19.00		22.00	
		11	2462		15.50			15.50			15.50		15.50		18.50	
	802.11n-HT40 MCS0	3	2422		16.00			16.00			16.00		16.00		19.00	
		6	2437		16.50			16.50			16.50		16.50		19.50	
		9	2452		14.00			14.00			14.00		14.00		17.00	
	802.11ac-VHT20 MCS0	1	2412	Not Required	18.00			18.00			18.00		18.00		21.00	
		6	2437		19.00			19.00			19.00		19.00		22.00	
		11	2462		15.50			15.50			15.50		15.50		18.50	
	802.11ac-VHT40 MCS0	3	2422		16.00	Not Required		16.00	Not Required	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required
		6	2437		16.50			16.50			16.50		16.50		19.50	
		9	2452		14.00			14.00			14.00		14.00		17.00	
	802.11ax-HE20 MCS0	1	2412		16.00			16.00			16.00		16.00		19.00	
		6	2437		19.00			19.00			19.00		19.00		22.00	
		11	2462		14.00			14.00			14.00		14.00		17.00	
	802.11ax-HE40 MCS0	3	2422		17.50			17.50			17.50		17.50		20.50	
		6	2437		17.50			17.50			17.50		17.50		20.50	
		9	2452		15.50			15.50			15.50		15.50		18.50	
	802.11be-EHT20 MCS0	1	2412		16.00			16.00			16.00		16.00		19.00	
		6	2437		19.00			19.00			19.00		19.00		22.00	
		11	2462		13.50			13.50			13.50		13.50		16.50	
	802.11be-EHT40 MCS0	3	2422		15.50			15.50			15.50		15.50		18.50	
		6	2437		15.50			15.50			15.50		15.50		18.50	
		9	2452		14.00			14.00			14.00		14.00		17.00	



<5.2GHz WLAN>																							
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7									
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.50	98.90	Not Required	18.50	99.01	Not Required	18.50	Not Required	18.50	Not Required	21.50	98.90							
		40	5200		18.50			18.50			21.50												
		44	5220		18.50			18.50			21.50												
		48	5240		18.50			18.50			21.50												
	802.11n-HT20 MCS0	36	5180		17.50	Not Required		17.50	Not Required		17.50		Not Required		17.50	Not Required	20.50	Not Required					
		40	5200		18.00			18.00			21.00												
		44	5220		18.00			18.00			21.00												
		48	5240		18.00			18.00			21.00												
	802.11n-HT40 MCS0	38	5190		16.50			16.50			16.50				19.50								
		46	5230		18.00			18.00			21.00												
	802.11ac-VHT20 MCS0	36	5180		17.50			17.50			17.50				20.50								
		40	5200		18.00			18.00			18.00				21.00								
		44	5220		18.00			18.00			18.00				21.00								
		48	5240		18.00			18.00			18.00				21.00								
	802.11ac-VHT40 MCS0	38	5190		16.50			16.50			16.50				19.50								
		46	5230		18.00			18.00			18.00				21.00								
	802.11ac-VHT80 MCS0	42	5210		16.00			16.00			16.00				19.00								
	802.11ax-HE20 MCS0	36	5180		17.50			Not Required			17.50				Not Required		17.50		Not Required	17.50	Not Required	20.50	Not Required
		40	5200		18.00						18.00						21.00						
		44	5220		18.00						18.00						21.00						
		48	5240		18.00						18.00						21.00						
	802.11ax-HE40 MCS0	38	5190		16.50						16.50						16.50			19.50			
		46	5230		18.00						18.00						21.00						
	802.11ax-HE80 MCS0	42	5210		16.50						16.50						16.50			19.50			
	802.11be-EHT20 MCS0	36	5180		17.50						17.50						17.50			20.50			
		40	5200		18.00						18.00						18.00			21.00			
		44	5220		18.00						18.00						18.00			21.00			
		48	5240		18.00						18.00						18.00			21.00			
	802.11be-EHT40 MCS0	38	5190		16.50						16.50						16.50			19.50			
		46	5230		18.00						18.00						21.00						
	802.11be-EHT80 MCS0	42	5210		16.50						16.50						16.50			19.50			



<5.3GHz WLAN>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	18.50	Not Required	Not Required	18.50	Not Required	17.76	18.50	18.33	18.50	21.06	21.50	98.90	Not Required
		56	5280							17.84	18.50	18.38	18.50	21.13	21.50		
		60	5300							17.94	18.50	18.46	18.50	21.22	21.50		
		64	5320							17.86	18.50	18.42	18.50	21.16	21.50		
	802.11n-HT20 MCS0	52	5260							18.00	18.00	18.00	18.00	21.00	Not Required		
		56	5280							18.00	18.00	18.00	18.00	21.00			
		60	5300							18.00	18.00	18.00	18.00	21.00			
		64	5320							17.50	17.50	17.50	17.50	20.50			
	802.11n-HT40 MCS0	54	5270							18.00	18.00	18.00	18.00	21.00			
		62	5310							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT20 MCS0	52	5260							18.00	18.00	18.00	18.00	21.00			
		56	5280							18.00	18.00	18.00	18.00	21.00			
		60	5300							18.00	18.00	18.00	18.00	21.00			
		64	5320							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT40 MCS0	54	5270							18.00	18.00	18.00	18.00	21.00			
		62	5310							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT80 MCS0	58	5290							16.50	16.50	19.50	Not Required				
		50	5250							16.50	16.50	19.50					
	802.11ac-VHT160 MCS0	52	5260							18.00	18.00	18.00		18.00		21.00	
		56	5280							18.00	18.00	18.00		18.00		21.00	
		60	5300							18.00	18.00	18.00		18.00		21.00	
		64	5320							17.50	17.50	17.50		17.50		20.50	
	802.11ax-HE20 MCS0	54	5270							18.00	18.00	18.00		18.00		21.00	
		62	5310							17.00	17.00	17.00		17.00		20.00	
	802.11ax-HE40 MCS0	58	5290							16.50	16.50	19.50					
	802.11ax-HE80 MCS0	50	5250							16.50	16.50	19.50					
	802.11ax-HE160 MCS0	52	5260							18.00	18.00	18.00		18.00		21.00	
		56	5280							18.00	18.00	18.00		18.00		21.00	
		60	5300							18.00	18.00	18.00		18.00		21.00	
		64	5320							17.50	17.50	17.50		17.50		20.50	
	802.11be-EHT20 MCS0	54	5270							18.00	18.00	18.00		18.00		21.00	
		62	5310							17.00	17.00	17.00		17.00		20.00	
	802.11be-EHT40 MCS0	58	5290							16.50	16.50	19.50					
	802.11be-EHT80 MCS0	50	5250							16.50	16.50	19.50					
802.11be-EHT160 MCS0	52	5260	18.00	18.00	18.00	18.00	21.00										
	56	5280	18.00	18.00	18.00	18.00	21.00										
	60	5300	18.00	18.00	18.00	18.00	21.00										
	64	5320	17.50	17.50	17.50	17.50	20.50										
802.11be-EHT20 MCS0	54	5270	18.00	18.00	18.00	18.00	21.00										
	62	5310	17.00	17.00	17.00	17.00	20.00										
802.11be-EHT40 MCS0	58	5290	16.50	16.50	19.50												
802.11be-EHT80 MCS0	50	5250	16.50	16.50	19.50												
802.11be-EHT160 MCS0	50	5250	16.50	16.50	19.50												



FCC SAR TEST REPORT

Report No. : FA570406

<5.5GHz WLAN>																			
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required			
		116	5580		18.00			18.00			18.00		21.00						
		124	5620		18.00			18.00			18.00		21.00						
		132	5660		18.00			18.00			18.00		21.00						
		140	5700		18.00			18.00			18.00		21.00						
		144	5720		18.00			18.00			18.00		21.00						
	802.11n-HT20 MCS0	100	5500		17.50			17.50			17.50		17.50		20.50				
		116	5580		18.00			18.00			18.00		18.00		21.00				
		124	5620		18.00			18.00			18.00		18.00		21.00				
		132	5660		18.00			18.00			18.00		18.00		21.00				
		140	5700		17.50			17.50			17.50		17.50		20.50				
		144	5720		18.00			18.00			18.00		18.00		21.00				
	802.11n-HT40 MCS0	102	5510		17.50			17.50			17.50		17.50		20.50				
		110	5550		18.00			18.00			18.00		18.00		21.00				
		126	5630		18.00			18.00			18.00		18.00		21.00				
		134	5670		17.50			17.50			17.50		17.50		20.50				
	802.11ac-VHT20 MCS0	100	5500		17.50			17.50			17.50		17.50		20.50				
		116	5580		18.00			18.00			18.00		18.00		21.00				
		124	5620		18.00			18.00			18.00		18.00		21.00				
		132	5660		18.00			18.00			18.00		18.00		21.00				
		140	5700		17.50			17.50			17.50		17.50		20.50				
		144	5720		18.00			18.00			18.00		18.00		21.00				
	802.11ac-VHT40 MCS0	102	5510		17.50			17.50			17.50		17.50		20.50				
		110	5550		18.00			18.00			18.00		18.00		21.00				
		126	5630		18.00			18.00			18.00		18.00		21.00				
		134	5670		17.50			17.50			17.50		17.50		20.50				
		142	5710		18.00			18.00			18.00		18.00		21.00				
	802.11ac-VHT80 MCS0	106	5530		17.50			17.50			16.57		17.50		16.64		17.50	19.62	20.50
		122	5610		18.00			18.00			17.05		18.00		17.05		18.00	20.06	21.00
		138	5690		18.00			18.00			16.68		18.00		16.65		18.00	19.68	21.00
	802.11ac-VHT160 MCS0	114	5570		17.50			17.50			17.12		17.50		16.71		17.50	19.93	20.50
	802.11ax-HE20 MCS0	100	5500		17.50			17.50			Not Required		17.50		17.50		20.50		
		116	5580		18.00			18.00					18.00		18.00		21.00		
		124	5620		18.00			18.00					18.00		18.00		21.00		
		132	5660		18.00			18.00					18.00		18.00		21.00		
		140	5700		17.50			17.50					17.50		17.50		20.50		
		144	5720		18.00			18.00					18.00		18.00		21.00		
	802.11ax-HE40 MCS0	102	5510		16.00			16.00					16.00		16.00		19.00		
		110	5550		18.00			18.00					18.00		18.00		21.00		
		126	5630		18.00			18.00					18.00		18.00		21.00		
		134	5670		17.00			17.00					17.00		17.00		20.00		
		142	5710		18.00			18.00					18.00		18.00		21.00		
802.11ax-HE80 MCS0	106	5530	17.50	17.50	17.50	17.50	20.50												
	122	5610	18.00	18.00	18.00	18.00	21.00												
	138	5690	18.00	18.00	18.00	18.00	21.00												
802.11ax-HE160 MCS0	114	5570	17.00	17.00	17.00	17.00	20.00												
802.11be-EHT20 MCS0	100	5500	17.50	17.50	17.50	17.50	20.50												
	116	5580	18.00	18.00	18.00	18.00	21.00												
	124	5620	18.00	18.00	18.00	18.00	21.00												



Report No. : FA570406

<5.8GHz WLAN>																						
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7								
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required						
		157	5785		17.50			17.50			17.50		20.50									
		165	5825		17.50			17.50			17.50		17.50		20.50							
	802.11n-HT20 MCS0	149	5745		17.50			17.50			17.50		17.50		20.50							
		157	5785		17.50			17.50			17.50		17.50		20.50							
		165	5825		17.50			17.50			17.50		17.50		20.50							
	802.11n-HT40 MCS0	151	5755		17.50			17.50			16.04		17.50		17.13		17.50	19.63	20.50	98.73		
		159	5795		17.50			17.50			16.02		17.50		17.06		17.50	19.58	20.50			
	802.11ac-VHT20 MCS0	149	5745		17.50			17.50		Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required						
		157	5785		17.50			17.50			17.50		20.50									
		165	5825		17.50			17.50			17.50		20.50									
	802.11ac-VHT40 MCS0	151	5755		17.50			17.50			17.50		17.50		17.50		17.50	20.50				
		159	5795		17.50			17.50			17.50		17.50		17.50		20.50					
	802.11ac-VHT80 MCS0	155	5775		17.50			17.50			16.48		17.50		17.18		17.50	19.85	20.50	98.90		
	802.11ax-HE20 MCS0	149	5745		17.50			17.50			Not Required		17.50		Not Required		17.50	Not Required	17.50	Not Required	20.50	Not Required
		157	5785		17.50			17.50					17.50				20.50					
		165	5825		17.50			17.50		17.50		20.50										
	802.11ax-HE40 MCS0	151	5755		17.50			17.50		17.50		17.50	17.50	20.50								
		159	5795		17.50			17.50		17.50		17.50	17.50	20.50								
	802.11ax-HE80 MCS0	155	5775		17.50			17.50		17.50		17.50	17.50	17.50		20.50						
		149	5745		17.50			17.50		17.50		17.50	17.50	17.50		20.50						
	802.11be-EHT20 MCS0	157	5785		17.50			17.50		17.50		17.50	17.50	17.50		17.50	20.50					
		165	5825		17.50			17.50		17.50		17.50	17.50	17.50		20.50						
		151	5755		17.50			17.50		17.50		17.50	17.50	17.50		20.50						
802.11be-EHT40 MCS0	159	5795	17.50	17.50	17.50	17.50	17.50	17.50	20.50													
	155	5775	17.50	17.50	17.50	17.50	17.50	17.50	20.50													



<5.9GHz WLAN UNII 4>																						
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7								
5.9GHz WLAN UNII 4	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	802.11a 6Mbps	169	5845	Not Required	17.00	Not Required	Not Required	17.00	Not Required	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required						
		173	5865		17.00			17.00			17.00											
		177	5885		17.00			17.00			17.00											
	802.11n-HT20 MCS0	169	5845		17.50			17.50			17.50		17.50		20.50							
		173	5865		17.50			17.50			17.50		17.50		20.50							
		177	5885		17.50			17.50			17.50		17.50		20.50							
	802.11n-HT40 MCS0	167	5835		17.50			17.50			Not Required		17.50		Not Required		17.50	Not Required	17.50	Not Required	20.50	Not Required
		175	5875		17.50			17.50					17.50				17.50		20.50			
	802.11ac-VHT20 MCS0	169	5845		17.50			17.50					17.50				17.50		20.50			
		173	5865		17.50			17.50					17.50				17.50		20.50			
		177	5885		17.50			17.50					17.50				17.50		20.50			
	802.11ac-VHT40 MCS0	167	5835		17.50			17.50					17.50				17.50		20.50			
		175	5875		17.50			17.50					17.50				17.50		20.50			
	802.11ac-VHT80 MCS0	171	5855		17.50			17.50					16.06				17.50		17.00		17.50	
	802.11ac-VHT160 MCS0	163	5815	17.50	17.50	16.20	17.50	17.12	17.50	19.69		20.50	99.10									
	802.11ax-HE20 MCS0	169	5845	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required		17.50	Not Required	17.50		Not Required	20.50		Not Required			
		173	5865		17.50			17.50				17.50		17.50			20.50					
		177	5885		17.50			17.50				17.50		17.50			20.50					
	802.11ax-HE40 MCS0	167	5835		17.50			17.50				17.50		17.50			20.50					
		175	5875		17.50			17.50				17.50		17.50			20.50					
	802.11ax-HE80 MCS0	171	5855		17.50			17.50			17.50	17.50		20.50								
	802.11ax-HE160 MCS0	163	5815		17.50			17.50			17.50	17.50		20.50								
	802.11be-EHT20 MCS0	169	5845		17.50			17.50			Not Required	17.50		Not Required	17.50		Not Required	17.50		Not Required	20.50	Not Required
		173	5865		17.50			17.50				17.50			17.50			20.50				
		177	5885		17.50			17.50				17.50			17.50			20.50				
	802.11be-EHT40 MCS0	167	5835		17.50			17.50				17.50			17.50			20.50				
		175	5875		17.50			17.50				17.50			17.50			20.50				
	802.11be-EHT80 MCS0	171	5855		17.50			17.50				17.50			17.50			20.50				
802.11be-EHT160 MCS0	163	5815	17.50		17.50			17.50				17.50			20.50							



<WiFi 6E>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
WiFi 6E	802.11a 6Mbps	1	5955	Not Required	2.50	Not Required	Not Required	2.50	Not Required	Not Required	2.50	Not Required	2.50	Not Required	5.50	Not Required	
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		2.50			2.50			2.50		2.50		5.50		
		173	6815		1.50			1.50			1.50		1.50		4.50		
		233	7115		-1.00			-1.00			-1.00		-1.00		2.00		
	802.11ax-HE20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50		
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		3.50			3.50			3.50		3.50		6.50		
		173	6815		2.50			2.50			2.50		2.50		5.50		
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00		
	802.11ax-HE40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50		
		59	6245		6.50			6.50			6.50		6.50		9.50		
		107	6485		6.50			6.50			6.50		6.50		9.50		
		171	6805		5.00			5.00			5.00		5.00		8.00		
		227	7085		5.50			5.50			5.50		5.50		8.50		
	802.11ax-HE80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00		
		71	6305		9.00			9.00			9.00		9.00		12.00		
		119	6545		9.00			9.00			9.00		9.00		12.00		
		167	6785		8.50			8.50			8.50		8.50		11.50		
		215	7025		8.50			8.50			8.50		8.50		11.50		
	802.11ax-HE160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50		
		47	6185		11.50			11.50			11.50		11.50		14.50		
		111	6505		11.50			11.50			11.50		11.50		14.50		
		143	6665		11.50			11.50			11.50		11.50		14.50		
		207	6985		11.50			11.50			11.50		11.50		14.50		
	802.11be-EHT20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50		
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		3.50			3.50			3.50		3.50		6.50		
		173	6815		2.50			2.50			2.50		2.50		5.50		
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00		
	802.11be-EHT40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50		
		59	6245		6.50			6.50			6.50		6.50		9.50		
		107	6485		6.50			6.50			6.50		6.50		9.50		
		171	6805		5.00			5.00			5.00		5.00		8.00		
		227	7085		5.50			5.50			5.50		5.50		8.50		
	802.11be-EHT80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00		
		71	6305		9.00			9.00			9.00		9.00		12.00		
		119	6545		9.00			9.00			9.00		9.00		12.00		
		167	6785		8.50			8.50			8.50		8.50		11.50		
		215	7025		8.50			8.50			8.50		8.50		11.50		
	802.11be-EHT160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50		
		47	6185		11.50			11.50			11.50		11.50		14.50		
		111	6505		11.50			11.50			11.50		11.50		14.50		
		143	6665		11.50			11.50			11.50		11.50		14.50		
		207	6985		11.50			11.50			11.50		11.50		14.50		
	802.11be-EHT320 MCS0	31	6105		11.50			11.50			10.70	11.50	10.75	11.50	13.74	14.50	99.20
		95	6425		11.50			11.50			10.81	11.50	10.56	11.50	13.70	14.50	
		159	6745		11.50			11.50			10.51	11.50	10.88	11.50	13.71	14.50	



<Stadalone-Body>

<2.4GHz WLAN>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	20.00	96.70	Not Required	20.00	97.10	19.32	20.00	19.27	20.00	22.31	23.00	96.70
		6	2437		20.00			20.00		19.18	20.00	19.04	20.00	22.12	23.00	
		11	2462		20.00			20.00		19.33	20.00	19.18	20.00	22.27	23.00	
	802.11g 6Mbps	1	2412		17.00			17.00			17.00		17.00		20.00	
		6	2437		20.00			20.00			20.00		20.00		23.00	
		11	2462		16.50			16.50			16.50		16.50		19.50	
	802.11n-HT20 MCS0	1	2412		18.00			18.00			18.00		18.00		21.00	
		6	2437		20.00			20.00			20.00		20.00		23.00	
		11	2462		15.50			15.50			15.50		15.50		18.50	
	802.11n-HT40 MCS0	3	2422		16.00			16.00			16.00		16.00		19.00	
		6	2437		16.50			16.50			16.50		16.50		19.50	
		9	2452		14.00			14.00			14.00		14.00		17.00	
	802.11ac-VHT20 MCS0	1	2412		18.00			18.00			18.00		18.00		21.00	
		6	2437		20.00			20.00			20.00		20.00		23.00	
		11	2462		15.50			15.50			15.50		15.50		18.50	
	802.11ac-VHT40 MCS0	3	2422		16.00			16.00			16.00		16.00		19.00	
		6	2437		16.50	Not Required		16.50	Not Required	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
		9	2452		14.00			14.00			14.00		14.00		17.00	
	802.11ax-HE20 MCS0	1	2412		16.00			16.00			16.00		16.00		19.00	
		6	2437		20.00			20.00			20.00		20.00		23.00	
		11	2462		14.00			14.00			14.00		14.00		17.00	
	802.11ax-HE40 MCS0	3	2422		17.50			17.50			17.50		17.50		20.50	
		6	2437		17.50			17.50			17.50		17.50		20.50	
		9	2452		15.50			15.50			15.50		15.50		18.50	
	802.11be-EHT20 MCS0	1	2412		16.00			16.00			16.00		16.00		19.00	
		6	2437		20.00			20.00			20.00		20.00		23.00	
		11	2462		13.50			13.50			13.50		13.50		16.50	
	802.11be-EHT40 MCS0	3	2422		15.50			15.50			15.50		15.50		18.50	
		6	2437		15.50			15.50			15.50		15.50		18.50	
		9	2452		14.00			14.00			14.00		14.00		17.00	



Report No. : FA570406

TEL : 886-3-327-3456
FAX : 886-3-328-4978
Template version: 240125



<5.3GHz WLAN>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	18.50	Not Required	Not Required	18.50	Not Required	17.76	18.50	18.33	18.50	21.06	21.50	98.90	Not Required
		56	5280							17.84	18.50	18.38	18.50	21.13	21.50		
		60	5300							17.94	18.50	18.46	18.50	21.22	21.50		
		64	5320							17.86	18.50	18.42	18.50	21.16	21.50		
	802.11n-HT20 MCS0	52	5260							18.00	18.00	18.00	18.00	21.00	Not Required		
		56	5280							18.00	18.00	18.00	18.00	21.00			
		60	5300							18.00	18.00	18.00	18.00	21.00			
		64	5320							17.50	17.50	17.50	17.50	20.50			
	802.11n-HT40 MCS0	54	5270							18.00	18.00	18.00	18.00	21.00			
		62	5310							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT20 MCS0	52	5260							18.00	18.00	18.00	18.00	21.00			
		56	5280							18.00	18.00	18.00	18.00	21.00			
		60	5300							18.00	18.00	18.00	18.00	21.00			
		64	5320							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT40 MCS0	54	5270							18.00	18.00	18.00	18.00	21.00			
		62	5310							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT80 MCS0	58	5290							16.50	16.50	19.50	Not Required				
	802.11ac-VHT160 MCS0	50	5250							16.50	16.50	19.50					
	802.11ax-HE20 MCS0	52	5260							18.00	18.00	21.00					
		56	5280							18.00	18.00	21.00					
		60	5300							18.00	18.00	21.00					
		64	5320							17.50	17.50	20.50					
	802.11ax-HE40 MCS0	54	5270							18.00	18.00	21.00					
		62	5310							17.00	17.00	20.00					
	802.11ax-HE80 MCS0	58	5290							16.50	16.50	19.50					
	802.11ax-HE160 MCS0	50	5250							16.50	16.50	19.50					
	802.11be-EHT20 MCS0	52	5260							18.00	18.00	21.00					
		56	5280							18.00	18.00	21.00					
		60	5300							18.00	18.00	21.00					
		64	5320							17.50	17.50	20.50					
	802.11be-EHT40 MCS0	54	5270							18.00	18.00	21.00					
		62	5310							17.00	17.00	20.00					
	802.11be-EHT80 MCS0	58	5290							16.50	16.50	19.50					
	802.11be-EHT160 MCS0	50	5250							16.50	16.50	19.50					



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<5.5GHz WLAN>																											
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7													
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %											
	802.11a 6Mbps	100	5500	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required											
		116	5580		18.00			18.00			18.00		18.00		21.00												
		124	5620		18.00			18.00			18.00		18.00		21.00												
		132	5660		18.00			18.00			18.00		18.00		21.00												
		140	5700		18.00			18.00			18.00		18.00		21.00												
		144	5720		18.00			18.00			18.00		18.00		21.00												
	802.11n-HT20 MCS0	100	5500		17.50			17.50			17.50		17.50		20.50												
		116	5580		18.00			18.00			18.00		18.00		21.00												
		124	5620		18.00			18.00			18.00		18.00		21.00												
		132	5660		18.00			18.00			18.00		18.00		21.00												
		140	5700		17.50			17.50			17.50		17.50		20.50												
		144	5720		18.00			18.00			18.00		18.00		21.00												
	802.11n-HT40 MCS0	102	5510		17.50			17.50			Not Required		17.50		Not Required		17.50	Not Required	17.50	Not Required	21.00	Not Required					
		110	5550		18.00			18.00					18.00				18.00		21.00								
		126	5630		18.00			18.00					18.00				18.00		21.00								
		134	5670		17.50			17.50					17.50				17.50		20.50								
	802.11ac-VHT20 MCS0	100	5500		17.50			17.50			Not Required		17.50		Not Required		17.50	Not Required	17.50	Not Required	20.50	Not Required					
		116	5580		18.00			18.00					18.00				18.00		21.00								
		124	5620		18.00			18.00					18.00				18.00		21.00								
		132	5660		18.00			18.00					18.00				18.00		21.00								
		140	5700		17.50			17.50					17.50				17.50		20.50								
		144	5720		18.00			18.00					18.00				18.00		21.00								
	802.11ac-VHT40 MCS0	102	5510		17.50			17.50					Not Required				17.50		Not Required		17.50		Not Required	17.50	Not Required	20.50	Not Required
		110	5550		18.00			18.00									18.00				18.00			21.00			
		126	5630		18.00			18.00									18.00				18.00			21.00			
		134	5670		17.50			17.50									17.50				17.50			20.50			
		142	5710		18.00			18.00									18.00				18.00			21.00			
802.11ac-VHT80 MCS0	106	5530	17.50		17.50			Not Required					17.50				Not Required		17.50		Not Required		17.50	Not Required	20.50	98.90	
	122	5610	18.00	18.00	18.00	18.00	21.00																				
	138	5690	18.00	18.00	18.00	18.00	21.00																				
802.11ac-VHT160 MCS0	114	5570	17.50	17.50	17.12	17.50	16.71		17.50	19.93		20.50	99.10														
802.11ax-HE20 MCS0	100	5500	17.50	17.50	Not Required	17.50	Not Required		17.50	Not Required		17.50	Not Required	20.50		Not Required											
	116	5580	18.00	18.00		18.00			18.00			21.00															
	124	5620	18.00	18.00		18.00			18.00			21.00															
	132	5660	18.00	18.00		18.00			18.00			21.00															
	140	5700	17.50	17.50		17.50			17.50			20.50															
	144	5720	18.00	18.00		18.00			18.00			21.00															
802.11ax-HE40 MCS0	102	5510	16.00	16.00		Not Required			16.00			Not Required		16.00					Not Required				16.00		Not Required	19.00	Not Required
	110	5550	18.00	18.00					18.00					18.00									21.00				
	126	5630	18.00	18.00					18.00					18.00									21.00				
	134	5670	17.00	17.00					17.00					17.00									20.00				
	142	5710	18.00	18.00					18.00					18.00									21.00				
802.11ax-HE80 MCS0	106	5530	17.50	17.50		Not Required			17.50			Not Required		17.50					Not Required				17.50		Not Required	20.50	Not Required
	122	5610	18.00	18.00					18.00					18.00									21.00				
	138	5690	18.00	18.00					18.00		18.00			21.00													
802.11ax-HE160 MCS0	114	5570	17.00	17.00					17.00		17.00			20.00													
802.11be-EHT20 MCS0	100	5500	17.50	17.50					Not Required		17.50			Not Required	17.50			Not Required		17.50		Not Required	20.50			Not Required	
	116	5580	18.00	18.00				18.00			18.00				21.00												
	124	5620	18.00	18.00				18.00			18.00				21.00												



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		132	5660		18.00			18.00			18.00		18.00		21.00	
		140	5700		17.50			17.50			17.50		17.50		20.50	
		144	5720		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT40 MCS0	102	5510		16.00			16.00			16.00		16.00		19.00	
		110	5550		18.00			18.00			18.00		18.00		21.00	
		126	5630		18.00			18.00			18.00		18.00		21.00	
		134	5670		17.00			17.00			17.00		17.00		20.00	
		142	5710		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT80 MCS0	106	5530		17.50			17.50			17.50		17.50		20.50	
		122	5610		18.00			18.00			18.00		18.00		21.00	
		138	5690		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT160 MCS0	114	5570		17.00			17.00			17.00		17.00		20.00	

<5.8GHz WLAN>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745		20.00			20.00		18.09	20.00	18.98	20.00	21.57	23.00	98.90
		157	5785		19.00			19.00		18.05	19.00	18.90	19.00	21.51	22.00	
		165	5825		19.00			19.00		18.04	19.00	18.77	19.00	21.43	22.00	
	802.11n-HT20 MCS0	149	5745		18.00			18.00			18.00		18.00		21.00	
		157	5785		18.00			18.00			18.00		18.00		21.00	
		165	5825		18.00			18.00			18.00		18.00		21.00	
	802.11n-HT40 MCS0	151	5755		18.00			18.00			18.00		18.00		21.00	
		159	5795		18.00			18.00			18.00		18.00		21.00	
	802.11ac-VHT20 MCS0	149	5745		18.00			18.00			18.00		18.00		21.00	
		157	5785		18.00			18.00			18.00		18.00		21.00	
	802.11ac-VHT40 MCS0	151	5755		18.00			18.00			18.00		18.00		21.00	
		159	5795		18.00			18.00			18.00		18.00		21.00	
	802.11ac-VHT80 MCS0	155	5775		18.00			18.00			18.00		18.00		21.00	
	802.11ax-HE20 MCS0	149	5745		18.00			18.00		Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
		157	5785		18.00			18.00			18.00		18.00		21.00	
		165	5825		18.00			18.00			18.00		18.00		21.00	
	802.11ax-HE40 MCS0	151	5755		18.00			18.00			18.00		18.00		21.00	
		159	5795		18.00			18.00			18.00		18.00		21.00	
	802.11ax-HE80 MCS0	155	5775		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT20 MCS0	149	5745		18.00			18.00			18.00		18.00		21.00	
		157	5785		18.00			18.00			18.00		18.00		21.00	
		165	5825		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT40 MCS0	151	5755		18.00			18.00			18.00		18.00		21.00	
		159	5795		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT80 MCS0	155	5775		18.00			18.00			18.00		18.00		21.00	



<5.9GHz WLAN UNII 4>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.9GHz WLAN UNII 4	802.11a 6Mbps	169	5845	Not Required	17.00	Not Required	Not Required	17.00	Not Required	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
		173	5865		17.00			17.00			17.00		20.00				
		177	5885		17.00			17.00			17.00		20.00				
	802.11n-HT20 MCS0	169	5845		17.50			17.50			17.50		17.50		20.50		
		173	5865		17.50			17.50			17.50		17.50		20.50		
		177	5885		17.50			17.50			17.50		17.50		20.50		
	802.11n-HT40 MCS0	167	5835		18.00			18.00		Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required	
		175	5875		18.00			18.00			18.00		18.00		21.00		
	802.11ac-VHT20 MCS0	169	5845		17.50			17.50			17.50		17.50		20.50		
		173	5865		17.50			17.50			17.50		17.50		20.50		
		177	5885		17.50			17.50			17.50		17.50		20.50		
	802.11ac-VHT40 MCS0	167	5835		18.00			18.00			18.00		18.00		21.00		
		175	5875		18.00			18.00			18.00		18.00		21.00		
	802.11ac-VHT80 MCS0	171	5855		18.00			18.00			16.06	18.00	17.00	18.00	19.57	21.00	98.90
	802.11ac-VHT160 MCS0	163	5815	18.00	18.00	16.20	18.00	17.12	18.00		19.69	21.00	99.10				
	802.11ax-HE20 MCS0	169	5845	Not Required	17.50	Not Required	Not Required	17.50	Not Required		Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
		173	5865		17.50			17.50				17.50		20.50			
		177	5885		17.50			17.50				17.50		20.50			
	802.11ax-HE40 MCS0	167	5835		18.00			18.00				18.00		18.00		21.00	
		175	5875		18.00			18.00				18.00		18.00		21.00	
	802.11ax-HE80 MCS0	171	5855		18.00			18.00				18.00		18.00		21.00	
	802.11ax-HE160 MCS0	163	5815		18.00			18.00				18.00		18.00		21.00	
	802.11be-EHT20 MCS0	169	5845		17.50			17.50	Not Required		Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
		173	5865		17.50			17.50				17.50		20.50			
		177	5885		17.50			17.50				17.50		20.50			
	802.11be-EHT40 MCS0	167	5835		18.00			18.00				18.00		18.00		21.00	
		175	5875		18.00			18.00				18.00		18.00		21.00	
	802.11be-EHT80 MCS0	171	5855		18.00			18.00				18.00		18.00		21.00	
	802.11be-EHT160 MCS0	163	5815		18.00			18.00				18.00		18.00		21.00	



<WiFi 6E>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
WiFi 6E	802.11a 6Mbps	1	5955	Not Required	2.50	Not Required	Not Required	2.50	Not Required	Not Required	2.50	Not Required	2.50	Not Required	5.50	Not Required	
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		2.50			2.50			2.50		2.50		5.50		
		173	6815		1.50			1.50			1.50		1.50		4.50		
		233	7115		-1.00			-1.00			-1.00		-1.00		2.00		
	802.11ax-HE20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50		
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		3.50			3.50			3.50		3.50		6.50		
		173	6815		2.50			2.50			2.50		2.50		5.50		
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00		
	802.11ax-HE40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50		
		59	6245		6.50			6.50			6.50		6.50		9.50		
		107	6485		6.50			6.50			6.50		6.50		9.50		
		171	6805		5.00			5.00			5.00		5.00		8.00		
		227	7085		5.50			5.50			5.50		5.50		8.50		
	802.11ax-HE80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00		
		71	6305		9.00			9.00			9.00		9.00		12.00		
		119	6545		9.00			9.00			9.00		9.00		12.00		
		167	6785		8.50			8.50			8.50		8.50		11.50		
		215	7025		8.50			8.50			8.50		8.50		11.50		
	802.11ax-HE160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50		
		47	6185		11.50			11.50			11.50		11.50		14.50		
		111	6505		11.50			11.50			11.50		11.50		14.50		
		143	6665		11.50			11.50			11.50		11.50		14.50		
		207	6985		11.50			11.50			11.50		11.50		14.50		
	802.11be-EHT20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50		
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		3.50			3.50			3.50		3.50		6.50		
		173	6815		2.50			2.50			2.50		2.50		5.50		
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00		
	802.11be-EHT40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50		
		59	6245		6.50			6.50			6.50		6.50		9.50		
		107	6485		6.50			6.50			6.50		6.50		9.50		
		171	6805		5.00			5.00			5.00		5.00		8.00		
		227	7085		5.50			5.50			5.50		5.50		8.50		
	802.11be-EHT80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00		
		71	6305		9.00			9.00			9.00		9.00		12.00		
		119	6545		9.00			9.00			9.00		9.00		12.00		
		167	6785		8.50			8.50			8.50		8.50		11.50		
		215	7025		8.50			8.50			8.50		8.50		11.50		
	802.11be-EHT160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50		
		47	6185		11.50			11.50			11.50		11.50		14.50		
		111	6505		11.50			11.50			11.50		11.50		14.50		
		143	6665		11.50			11.50			11.50		11.50		14.50		
		207	6985		11.50			11.50			11.50		11.50		14.50		
	802.11be-EHT320 MCS0	31	6105		11.50			11.50			10.70	11.50	10.75	11.50	13.74	14.50	99.20
		95	6425		11.50			11.50			10.81	11.50	10.56	11.50	13.70	14.50	
		159	6745		11.50			11.50			10.51	11.50	10.88	11.50	13.71	14.50	



<Head-DBS>

<2.4GHz WLAN>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	14.50	96.70	Not Required	14.50	97.10	13.82	14.50	13.79	14.50	16.82	17.50	96.70	
		6	2437		14.50			14.50		13.79	14.50	13.54	14.50	16.68	17.50		
		11	2462		14.50			14.50		13.22	14.50	13.43	14.50	16.34	17.50		
	802.11g 6Mbps	1	2412		14.50			14.50			14.50		14.50		17.50		
		6	2437		14.50			14.50			14.50		14.50		17.50		
		11	2462		14.50			14.50			14.50		14.50		17.50		
	802.11n-HT20 MCS0	1	2412		14.50			14.50			14.50		14.50		17.50		
		6	2437		14.50			14.50			14.50		14.50		17.50		
		11	2462		14.50			14.50			14.50		14.50		17.50		
	802.11n-HT40 MCS0	3	2422		14.50			14.50			14.50		14.50		17.50		
		6	2437		14.50			14.50			14.50		14.50		17.50		
		9	2452		14.00			14.00			14.00		14.00		17.00		
	802.11ac-VHT20 MCS0	1	2412		14.50			14.50			14.50		14.50		17.50		
		6	2437		14.50			14.50			14.50		14.50		17.50		
		11	2462		14.50			14.50			14.50		14.50		17.50		
	802.11ac-VHT40 MCS0	3	2422		14.50			14.50			14.50		14.50		17.50		
		6	2437		14.50	Not Required		14.50	Not Required	14.50	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required
		9	2452		14.00			14.00		14.00		14.00		17.00			
	802.11ax-HE20 MCS0	1	2412		14.50			14.50		14.50		14.50		17.50			
		6	2437		14.50			14.50		14.50		14.50		17.50			
		11	2462		14.00			14.00		14.00		14.00		17.00			
	802.11ax-HE40 MCS0	3	2422		14.50			14.50		14.50		14.50		17.50			
		6	2437		14.50			14.50		14.50		14.50		17.50			
		9	2452		14.50			14.50		14.50		14.50		17.50			
	802.11be-EHT20 MCS0	1	2412		14.50			14.50		14.50		14.50		17.50			
		6	2437		14.50			14.50		14.50		14.50		17.50			
		11	2462		13.50			13.50		13.50		13.50		16.50			
	802.11be-EHT40 MCS0	3	2422		14.50			14.50		14.50		14.50		17.50			
		6	2437		14.50			14.50		14.50		14.50		17.50			
		9	2452		14.00			14.00		14.00		14.00		17.00			



<5.2GHz WLAN>																		
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.00	98.90	Not Required	18.00	99.01	Not Required	18.00	Not Required	18.00	Not Required	21.00	98.90		
		40	5200		18.00			18.00			18.00		18.00		21.00			
		44	5220		18.00			18.00			18.00		18.00		21.00			
		48	5240		18.00			18.00			18.00		18.00		21.00			
	802.11n-HT20 MCS0	36	5180		18.00	Not Required		18.00	Not Required		18.00		18.00		21.00	Not Required		
		40	5200		18.00			18.00			18.00		18.00		21.00			
		44	5220		18.00			18.00			18.00		18.00		21.00			
		48	5240		18.00			18.00			18.00		18.00		21.00			
	802.11n-HT40 MCS0	38	5190		16.50			16.50			16.50		16.50		19.50			
		46	5230		18.00			18.00			18.00		18.00		21.00			
	802.11ac-VHT20 MCS0	36	5180		18.00			18.00			18.00		18.00		21.00			
		40	5200		18.00			18.00			18.00		18.00		21.00			
		44	5220		18.00			18.00			18.00		18.00		21.00			
		48	5240		18.00			18.00			18.00		18.00		21.00			
	802.11ac-VHT40 MCS0	38	5190		16.50			16.50			16.50		16.50		19.50			
		46	5230		18.00			18.00			18.00		18.00		21.00			
	802.11ac-VHT80 MCS0	42	5210		16.00			16.00			16.00		16.00		19.00			
	802.11ax-HE20 MCS0	36	5180		18.00			Not Required			18.00		Not Required		18.00		18.00	21.00
		40	5200		18.00	18.00					18.00				18.00	21.00		
		44	5220		18.00	18.00					18.00				18.00	21.00		
		48	5240		18.00	18.00					18.00				18.00	21.00		
	802.11ax-HE40 MCS0	38	5190		18.00	18.00					18.00				18.00	21.00		
		46	5230		18.00	18.00					18.00				18.00	21.00		
	802.11ax-HE80 MCS0	42	5210		16.50	16.50					16.50				16.50	19.50		
	802.11be-EHT20 MCS0	36	5180		18.00	18.00					18.00				18.00	21.00		
		40	5200		18.00	18.00					18.00				18.00	21.00		
		44	5220		18.00	18.00					18.00				18.00	21.00		
		48	5240		18.00	18.00					18.00				18.00	21.00		
	802.11be-EHT40 MCS0	38	5190		18.00	18.00					18.00				18.00	21.00		
		46	5230		18.00	18.00					18.00				18.00	21.00		
	802.11be-EHT80 MCS0	42	5210		16.50	16.50					16.50				16.50	19.50		



<5.3GHz WLAN>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required	
		56	5280		18.00			18.00			21.00						
		60	5300		18.00			18.00			21.00						
		64	5320		18.00			18.00			21.00						
	802.11n-HT20 MCS0	52	5260		18.00			18.00			21.00						
		56	5280		18.00			18.00			21.00						
		60	5300		18.00			18.00			21.00						
		64	5320		18.00			18.00			21.00						
	802.11n-HT40 MCS0	54	5270		18.00			18.00		21.00	17.04	18.00	17.13	18.00	20.10	21.00	98.73
		62	5310		18.00			18.00		17.06	18.00	20.05	21.00				
	802.11ac-VHT20 MCS0	52	5260		Not Required			18.00		Not Required	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
		56	5280					18.00				18.00		21.00			
		60	5300					18.00				18.00		21.00			
		64	5320					18.00				18.00		21.00			
	802.11ac-VHT40 MCS0	54	5270					18.00				18.00		21.00			
		62	5310					18.00				18.00		21.00			
	802.11ac-VHT80 MCS0	58	5290					18.00				16.50		19.50			
	802.11ac-VHT160 MCS0	50	5250		17.01			17.00		17.43	17.00	20.24	20.00	99.10			
	802.11ax-HE20 MCS0	52	5260		Not Required			18.00		Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required	
		56	5280					18.00			18.00		21.00				
		60	5300					18.00			18.00		21.00				
		64	5320					18.00			18.00		21.00				
	802.11ax-HE40 MCS0	54	5270					18.00			18.00		21.00				
		62	5310					18.00			18.00		21.00				
	802.11ax-HE80 MCS0	58	5290					18.00			16.50		19.50				
	802.11ax-HE160 MCS0	50	5250					16.50			16.50		19.50				
	802.11be-EHT20 MCS0	52	5260					18.00			18.00		21.00				
		56	5280					18.00			18.00		21.00				
		60	5300					18.00			18.00		21.00				
		64	5320					18.00			18.00		21.00				
	802.11be-EHT40 MCS0	54	5270					18.00			18.00		21.00				
		62	5310					18.00			18.00		21.00				
	802.11be-EHT80 MCS0	58	5290					18.00			16.50		19.50				
	802.11be-EHT160 MCS0	50	5250					18.00			16.50		19.50				



FCC SAR TEST REPORT

Report No. : FA570406

<5.5GHz WLAN>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required	
		116	5580		18.00			18.00			18.00		18.00		21.00		
		124	5620		18.00			18.00			18.00		18.00		21.00		
		132	5660		18.00			18.00			18.00		18.00		21.00		
		140	5700		18.00			18.00			18.00		18.00		21.00		
		144	5720		18.00			18.00			18.00		18.00		21.00		
	802.11n-HT20 MCS0	100	5500		17.50			17.50			17.50		17.50		20.50		
		116	5580		18.00			18.00			18.00		18.00		21.00		
		124	5620		18.00			18.00			18.00		18.00		21.00		
		132	5660		18.00			18.00			18.00		18.00		21.00		
		140	5700		17.50			17.50			17.50		17.50		20.50		
		144	5720		18.00			18.00			18.00		18.00		21.00		
	802.11n-HT40 MCS0	102	5510		17.50			17.50			17.50		17.50		20.50		
		110	5550		18.00			18.00			18.00		18.00		21.00		
		126	5630		18.00			18.00			18.00		18.00		21.00		
		134	5670		17.50			17.50			17.50		17.50		20.50		
		142	5710		18.00			18.00			18.00		18.00		21.00		
		144	5720		18.00			18.00			18.00		18.00		21.00		
	802.11ac-VHT20 MCS0	100	5500		17.50			17.50			17.50		17.50		20.50		
		116	5580		18.00			18.00			18.00		18.00		21.00		
		124	5620		18.00			18.00			18.00		18.00		21.00		
		132	5660		18.00			18.00			18.00		18.00		21.00		
		140	5700		17.50			17.50			17.50		17.50		20.50		
		144	5720		18.00			18.00			18.00		18.00		21.00		
	802.11ac-VHT40 MCS0	102	5510		17.50			17.50			17.50		17.50		20.50		
		110	5550		18.00			18.00			18.00		18.00		21.00		
		126	5630		18.00			18.00			18.00		18.00		21.00		
		134	5670		17.50			17.50			17.50		17.50		20.50		
		142	5710		18.00			18.00			18.00		18.00		21.00		
		144	5720		18.00			18.00			18.00		18.00		21.00		
	802.11ac-VHT80 MCS0	106	5530		17.50			17.50			16.57	17.50	16.64	17.50	19.62	20.50	98.9
		122	5610		18.00			18.00			17.05	18.00	17.05	18.00	20.06	21.00	
		138	5690		18.00			18.00			16.68	18.00	16.65	18.00	19.68	21.00	
	802.11ac-VHT160 MCS0	114	5570		17.50			17.50			17.12	17.50	16.71	17.50	19.93	20.50	99.10
	802.11ax-HE20 MCS0	100	5500		17.50			17.50			Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
		116	5580		18.00			18.00				18.00		18.00		21.00	
		124	5620		18.00			18.00				18.00		18.00		21.00	
		132	5660		18.00			18.00				18.00		18.00		21.00	
		140	5700		17.50			17.50				17.50		17.50		20.50	
		144	5720		18.00			18.00				18.00		18.00		21.00	
	802.11ax-HE40 MCS0	102	5510		16.00			16.00				16.00		16.00		19.00	
		110	5550		18.00			18.00				18.00		18.00		21.00	
		126	5630		18.00			18.00				18.00		18.00		21.00	
		134	5670		17.00			17.00				17.00		17.00		20.00	
		142	5710		18.00			18.00				18.00		18.00		21.00	
		144	5720		18.00			18.00				18.00		18.00		21.00	
	802.11ax-HE80 MCS0	106	5530		17.50			17.50				17.50		17.50		20.50	
		122	5610		18.00			18.00				18.00		18.00		21.00	
		138	5690		18.00			18.00				18.00		18.00		21.00	
	802.11ax-HE160 MCS0	114	5570		17.00			17.00				17.00		17.00		20.00	
	802.11be-EHT20 MCS0	100	5500		17.50			17.50				17.50		17.50		20.50	
		116	5580		18.00			18.00				18.00		18.00		21.00	
		124	5620		18.00			18.00				18.00		18.00		21.00	



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		132	5660		18.00			18.00			18.00		18.00		21.00	
		140	5700		17.50			17.50			17.50		17.50		20.50	
		144	5720		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT40 MCS0	102	5510		16.00			16.00			16.00		16.00		19.00	
		110	5550		18.00			18.00			18.00		18.00		21.00	
		126	5630		18.00			18.00			18.00		18.00		21.00	
		134	5670		17.00			17.00			17.00		17.00		20.00	
		142	5710		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT80 MCS0	106	5530		17.50			17.50			17.50		17.50		20.50	
		122	5610		18.00			18.00			18.00		18.00		21.00	
		138	5690		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT160 MCS0	114	5570		17.00			17.00			17.00		17.00		20.00	

<5.8GHz WLAN>																			
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	15.00	Not Required	Not Required	15.00	Not Required	15.00	Not Required	18.00	Not Required			
		157	5785		15.00			15.00			18.00								
		165	5825		15.00			15.00			18.00								
	802.11n-HT20 MCS0	149	5745		15.00			15.00			18.00								
		157	5785		15.00			15.00			18.00								
		165	5825		15.00			15.00			18.00								
	802.11n-HT40 MCS0	151	5755		15.00			15.00			18.00								
		159	5795		15.00			15.00			18.00								
	802.11ac-VHT20 MCS0	149	5745		15.00			15.00			18.00								
		157	5785		15.00			15.00			18.00								
		165	5825		15.00			15.00			18.00								
	802.11ac-VHT40 MCS0	151	5755		15.00			15.00			18.00								
		159	5795		15.00			15.00			18.00								
	802.11ac-VHT80 MCS0	155	5775		13.65			15.00		14.73	15.00	17.23	18.00	98.90					
	802.11ax-HE20 MCS0	149	5745		Not Required			15.00		Not Required	Not Required	15.00	Not Required	15.00	Not Required	15.00	Not Required	18.00	Not Required
		157	5785					15.00				15.00		18.00					
		165	5825					15.00				15.00		18.00					
	802.11ax-HE40 MCS0	151	5755					15.00				15.00		18.00					
		159	5795					15.00				15.00		18.00					
	802.11ax-HE80 MCS0	155	5775					15.00				15.00		18.00					
	802.11be-EHT20 MCS0	149	5745					15.00				15.00		18.00					
		157	5785					15.00				15.00		18.00					
		165	5825					15.00				15.00		18.00					
	802.11be-EHT40 MCS0	151	5755					15.00				15.00		18.00					
		159	5795					15.00				15.00		18.00					
	802.11be-EHT80 MCS0	155	5775					15.00				15.00		18.00					



<5.9GHz WLAN UNII 4>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.9GHz WLAN UNII 4	802.11a 6Mbps	169	5845		15.50			15.50			15.50		15.50		18.50		
		173	5865		15.50			15.50			15.50		18.50				
		177	5885		15.50			15.50			15.50		18.50				
	802.11n-HT20 MCS0	169	5845		15.50			15.50			15.50		15.50		18.50		
		173	5865		15.50			15.50			15.50		15.50		18.50		
		177	5885		15.50			15.50			15.50		15.50		18.50		
	802.11n-HT40 MCS0	167	5835		15.50			15.50			15.50		15.50		18.50		
		175	5875		15.50			15.50			15.50		15.50		18.50		
	802.11ac-VHT20 MCS0	169	5845		15.50			15.50			15.50		15.50		18.50		
		173	5865		15.50			15.50			15.50		15.50		18.50		
		177	5885		15.50			15.50			15.50		15.50		18.50		
	802.11ac-VHT40 MCS0	167	5835		15.50			15.50			15.50		15.50		18.50		
		175	5875		15.50			15.50			15.50		15.50		18.50		
	802.11ac-VHT80 MCS0	171	5855		15.50			15.50			15.50		15.50		18.50		
	802.11ac-VHT160 MCS0	163	5815	Not Required	15.50	Not Required	Not Required	15.50	Not Required	14.23	15.50	15.20	15.50	17.75	18.50	99.10	
	802.11ax-HE20 MCS0	169	5845		15.50			15.50				15.50		15.50		18.50	
		173	5865		15.50			15.50				15.50		18.50			
		177	5885		15.50			15.50				15.50		18.50			
	802.11ax-HE40 MCS0	167	5835		15.50			15.50				15.50		15.50		18.50	
		175	5875		15.50			15.50				15.50		15.50		18.50	
	802.11ax-HE80 MCS0	171	5855		15.50			15.50				15.50		15.50		18.50	
	802.11ax-HE160 MCS0	163	5815		15.50			15.50				15.50		15.50		18.50	
	802.11be-EHT20 MCS0	169	5845		15.50			15.50				15.50		15.50		18.50	
		173	5865		15.50			15.50				15.50		15.50		18.50	
		177	5885		15.50			15.50				15.50		15.50		18.50	
	802.11be-EHT40 MCS0	167	5835		15.50			15.50				15.50		15.50		18.50	
		175	5875		15.50			15.50				15.50		15.50		18.50	
	802.11be-EHT80 MCS0	171	5855		15.50			15.50				15.50		15.50		18.50	
	802.11be-EHT160 MCS0	163	5815		15.50			15.50				15.50		15.50		18.50	



<WiFi 6E>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
WiFi 6E	802.11a 6Mbps	1	5955	Not Required	2.50	Not Required	Not Required	2.50	Not Required	Not Required	2.50	Not Required	2.50	Not Required	5.50	Not Required	
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		2.50			2.50			2.50		2.50		5.50		
		173	6815		1.50			1.50			1.50		1.50		4.50		
		233	7115		-1.00			-1.00			-1.00		-1.00		2.00		
	802.11ax-HE20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50		
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		3.50			3.50			3.50		3.50		6.50		
		173	6815		2.50			2.50			2.50		2.50		5.50		
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00		
	802.11ax-HE40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50		
		59	6245		6.50			6.50			6.50		6.50		9.50		
		107	6485		6.50			6.50			6.50		6.50		9.50		
		171	6805		5.00			5.00			5.00		5.00		8.00		
		227	7085		5.50			5.50			5.50		5.50		8.50		
	802.11ax-HE80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00		
		71	6305		9.00			9.00			9.00		9.00		12.00		
		119	6545		9.00			9.00			9.00		9.00		12.00		
		167	6785		8.50			8.50			8.50		8.50		11.50		
		215	7025		8.50			8.50			8.50		8.50		11.50		
	802.11ax-HE160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50		
		47	6185		11.50			11.50			11.50		11.50		14.50		
		111	6505		11.50			11.50			11.50		11.50		14.50		
		143	6665		11.50			11.50			11.50		11.50		14.50		
		207	6985		11.50			11.50			11.50		11.50		14.50		
	802.11be-EHT20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50		
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		3.50			3.50			3.50		3.50		6.50		
		173	6815		2.50			2.50			2.50		2.50		5.50		
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00		
	802.11be-EHT40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50		
		59	6245		6.50			6.50			6.50		6.50		9.50		
		107	6485		6.50			6.50			6.50		6.50		9.50		
		171	6805		5.00			5.00			5.00		5.00		8.00		
		227	7085		5.50			5.50			5.50		5.50		8.50		
	802.11be-EHT80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00		
		71	6305		9.00			9.00			9.00		9.00		12.00		
		119	6545		9.00			9.00			9.00		9.00		12.00		
		167	6785		8.50			8.50			8.50		8.50		11.50		
		215	7025		8.50			8.50			8.50		8.50		11.50		
	802.11be-EHT160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50		
		47	6185		11.50			11.50			11.50		11.50		14.50		
		111	6505		11.50			11.50			11.50		11.50		14.50		
		143	6665		11.50			11.50			11.50		11.50		14.50		
		207	6985		11.50			11.50			11.50		11.50		14.50		
	802.11be-EHT320 MCS0	31	6105		11.50			11.50			10.70	11.50	10.75	11.50	13.74	14.50	99.20
		95	6425		11.50			11.50			10.81	11.50	10.56	11.50	13.70	14.50	
		159	6745		11.50			11.50			10.51	11.50	10.88	11.50	13.71	14.50	



<Body-DBS>

<2.4GHz WLAN>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	18.50	96.70	Not Required	18.50	97.10	18.30	18.50	18.26	18.50	21.29	21.50	96.70
		6	2437		18.50			18.50		18.16	18.50	18.02	18.50	21.10	21.50	
		11	2462		18.50			18.50		18.32	18.50	18.17	18.50	21.26	21.50	
	802.11g 6Mbps	1	2412		17.00			17.00			17.00		17.00		20.00	
		6	2437		18.50			18.50			18.50		18.50		21.50	
		11	2462		16.50			16.50			16.50		16.50		19.50	
	802.11n-HT20 MCS0	1	2412		18.50			18.50			18.50		18.50		21.50	
		6	2437		18.50			18.50			18.50		18.50		21.50	
		11	2462		15.50			15.50			15.50		15.50		18.50	
	802.11n-HT40 MCS0	3	2422		16.00			16.00			16.00		16.00		19.00	
		6	2437		16.50			16.50			16.50		16.50		19.50	
		9	2452		14.00			14.00			14.00		14.00		17.00	
	802.11ac-VHT20 MCS0	1	2412		18.00			18.00			18.00		18.00		21.00	
		6	2437		18.50			18.50			18.50		18.50		21.50	
		11	2462		15.50			15.50			15.50		15.50		18.50	
	802.11ac-VHT40 MCS0	3	2422		16.00			16.00			16.00		16.00		19.00	
		6	2437		16.50	Not Required		16.50	Not Required		16.50	Not Required	16.50	Not Required	19.50	Not Required
		9	2452		14.00			14.00			14.00		14.00		17.00	
	802.11ax-HE20 MCS0	1	2412		16.00			16.00			16.00		16.00		19.00	
		6	2437		18.50			18.50			18.50		18.50		21.50	
		11	2462		14.00			14.00			14.00		14.00		17.00	
	802.11ax-HE40 MCS0	3	2422		17.50			17.50			17.50		17.50		20.50	
		6	2437		17.50			17.50			17.50		17.50		20.50	
		9	2452		15.50			15.50			15.50		15.50		18.50	
	802.11be-EHT20 MCS0	1	2412		16.00			16.00			16.00		16.00		19.00	
		6	2437		18.50			18.50			18.50		18.50		21.50	
		11	2462		13.50			13.50			13.50		13.50		16.50	
	802.11be-EHT40 MCS0	3	2422		15.50			15.50			15.50		15.50		18.50	
		6	2437		15.50			15.50			15.50		15.50		18.50	
		9	2452		14.00			14.00			14.00		14.00		17.00	



<5.2GHz WLAN>																							
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7									
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.50	98.90	Not Required	18.50	99.01	Not Required	18.50	Not Required	18.50	Not Required	21.50	98.90							
		40	5200		18.50			18.50			21.50												
		44	5220		18.50			18.50			21.50												
		48	5240		18.50			18.50			21.50												
	802.11n-HT20 MCS0	36	5180		17.50	Not Required		17.50	Not Required		17.50		Not Required		17.50	Not Required	20.50	Not Required					
		40	5200		18.00			18.00			21.00												
		44	5220		18.00			18.00			21.00												
		48	5240		18.00			18.00			21.00												
	802.11n-HT40 MCS0	38	5190		16.50			16.50			16.50				19.50								
		46	5230		18.00			18.00			21.00												
	802.11ac-VHT20 MCS0	36	5180		17.50			17.50			17.50				20.50								
		40	5200		18.00			18.00			18.00				21.00								
		44	5220		18.00			18.00			18.00				21.00								
		48	5240		18.00			18.00			18.00				21.00								
	802.11ac-VHT40 MCS0	38	5190		16.50			16.50			16.50				19.50								
		46	5230		18.00			18.00			18.00				21.00								
	802.11ac-VHT80 MCS0	42	5210		16.00			16.00			16.00				19.00								
	802.11ax-HE20 MCS0	36	5180		17.50			Not Required			17.50				Not Required		17.50		Not Required	17.50	Not Required	20.50	Not Required
		40	5200		18.00						18.00						21.00						
		44	5220		18.00						18.00						21.00						
		48	5240		18.00						18.00						21.00						
	802.11ax-HE40 MCS0	38	5190		16.50						16.50						16.50			19.50			
		46	5230		18.00						18.00						21.00						
	802.11ax-HE80 MCS0	42	5210		16.50						16.50						16.50			19.50			
	802.11be-EHT20 MCS0	36	5180		17.50						17.50						17.50			20.50			
		40	5200		18.00						18.00						18.00			21.00			
		44	5220		18.00						18.00						18.00			21.00			
		48	5240		18.00						18.00						18.00			21.00			
	802.11be-EHT40 MCS0	38	5190		16.50						16.50						16.50			19.50			
		46	5230		18.00						18.00						21.00						
	802.11be-EHT80 MCS0	42	5210		16.50						16.50						16.50			19.50			



<5.3GHz WLAN>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	18.50	Not Required	Not Required	18.50	Not Required	17.76	18.50	18.33	18.50	21.06	21.50	98.90	Not Required
		56	5280							17.84	18.50	18.38	18.50	21.13	21.50		
		60	5300							17.94	18.50	18.46	18.50	21.22	21.50		
		64	5320							17.86	18.50	18.42	18.50	21.16	21.50		
	802.11n-HT20 MCS0	52	5260							18.00	18.00	18.00	18.00	21.00	Not Required		
		56	5280							18.00	18.00	18.00	18.00	21.00			
		60	5300							18.00	18.00	18.00	18.00	21.00			
		64	5320							17.50	17.50	17.50	17.50	20.50			
	802.11n-HT40 MCS0	54	5270							18.00	18.00	18.00	18.00	21.00			
		62	5310							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT20 MCS0	52	5260							18.00	18.00	18.00	18.00	21.00			
		56	5280							18.00	18.00	18.00	18.00	21.00			
		60	5300							18.00	18.00	18.00	18.00	21.00			
		64	5320							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT40 MCS0	54	5270							18.00	18.00	18.00	18.00	21.00			
		62	5310							17.50	17.50	17.50	17.50	20.50			
	802.11ac-VHT80 MCS0	58	5290							16.50	16.50	16.50	16.50	19.50			
	802.11ac-VHT160 MCS0	50	5250							17.00	17.00	17.00	17.00	20.00			
	802.11ax-HE20 MCS0	52	5260							18.00	18.00	18.00	18.00	21.00			
		56	5280							18.00	18.00	18.00	18.00	21.00			
		60	5300							18.00	18.00	18.00	18.00	21.00			
		64	5320							17.50	17.50	17.50	17.50	20.50			
	802.11ax-HE40 MCS0	54	5270							18.00	18.00	18.00	18.00	21.00			
		62	5310							17.00	17.00	17.00	17.00	20.00			
	802.11ax-HE80 MCS0	58	5290							16.50	16.50	16.50	16.50	19.50			
	802.11ax-HE160 MCS0	50	5250							16.50	16.50	16.50	16.50	19.50			
	802.11be-EHT20 MCS0	52	5260							18.00	18.00	18.00	18.00	21.00			
		56	5280							18.00	18.00	18.00	18.00	21.00			
		60	5300							18.00	18.00	18.00	18.00	21.00			
		64	5320							17.50	17.50	17.50	17.50	20.50			
	802.11be-EHT40 MCS0	54	5270							18.00	18.00	18.00	18.00	21.00			
		62	5310							17.00	17.00	17.00	17.00	20.00			
	802.11be-EHT80 MCS0	58	5290							16.50	16.50	16.50	16.50	19.50			
	802.11be-EHT160 MCS0	50	5250							16.50	16.50	16.50	16.50	19.50			



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<5.5GHz WLAN>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
		116	5580		16.50			16.50			16.50		16.50		19.50	
		124	5620		16.50			16.50			16.50		16.50		19.50	
		132	5660		16.50			16.50			16.50		16.50		19.50	
		140	5700		16.50			16.50			16.50		16.50		19.50	
		144	5720		16.50			16.50			16.50		16.50		19.50	
	802.11n-HT20 MCS0	100	5500		16.50			16.50			16.50		16.50		19.50	
		116	5580		16.50			16.50			16.50		16.50		19.50	
		124	5620		16.50			16.50			16.50		16.50		19.50	
		132	5660		16.50			16.50			16.50		16.50		19.50	
		140	5700		16.50			16.50			16.50		16.50		19.50	
		144	5720		16.50			16.50			16.50		16.50		19.50	
	802.11n-HT40 MCS0	102	5510		16.50			16.50			16.50		16.50		19.50	
		110	5550		16.50			16.50			16.50		16.50		19.50	
		126	5630		16.50			16.50			16.50		16.50		19.50	
		134	5670		16.50			16.50			16.50		16.50		19.50	
	802.11ac-VHT20 MCS0	100	5500		16.50			16.50			16.50		16.50		19.50	
		116	5580		16.50			16.50			16.50		16.50		19.50	
		124	5620		16.50			16.50			16.50		16.50		19.50	
		132	5660		16.50			16.50			16.50		16.50		19.50	
		140	5700		16.50			16.50			16.50		16.50		19.50	
		144	5720		16.50			16.50			16.50		16.50		19.50	
	802.11ac-VHT40 MCS0	102	5510		16.50			16.50			16.50		16.50		19.50	
		110	5550		16.50			16.50			16.50		16.50		19.50	
		126	5630		16.50			16.50			16.50		16.50		19.50	
		134	5670		16.50			16.50			16.50		16.50		19.50	
	802.11ac-VHT80 MCS0	106	5530		16.50			16.50			16.50		16.50		19.50	
		122	5610		16.50			16.50			16.50		16.50		19.50	
		138	5690		16.50			16.50			16.50		16.50		19.50	
	802.11ac-VHT160 MCS0	114	5570		16.50			16.50			15.63	16.50	15.45	16.50	18.55	99.10
	802.11ax-HE20 MCS0	100	5500		16.50			16.50			Not Required	16.50	Not Required	16.50	Not Required	Not Required
		116	5580		16.50			16.50				16.50		16.50		
		124	5620		16.50			16.50				16.50		16.50		
		132	5660		16.50			16.50				16.50		16.50		
		140	5700		16.50			16.50				16.50		16.50		
		144	5720		16.50			16.50				16.50		16.50		
	802.11ax-HE40 MCS0	102	5510		16.00			16.00				16.00		16.00		
		110	5550		16.50			16.50				16.50		16.50		
		126	5630		16.50			16.50				16.50		16.50		
		134	5670		16.50			16.50				16.50		16.50		
	802.11ax-HE80 MCS0	106	5530		16.50			16.50				16.50		16.50		
		122	5610		16.50			16.50				16.50		16.50		
		138	5690		16.50			16.50				16.50		16.50		
	802.11ax-HE160 MCS0	114	5570		16.50			16.50				16.50		16.50		
	802.11be-EHT20 MCS0	100	5500		16.50			16.50				16.50		16.50		
		116	5580		16.50			16.50				16.50		16.50		
		124	5620		16.50			16.50				16.50		16.50		



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		132	5660		16.50			16.50			16.50		16.50		19.50	
		140	5700		16.50			16.50			16.50		16.50		19.50	
		144	5720		16.50			16.50			16.50		16.50		19.50	
	802.11be-EHT40 MCS0	102	5510		16.00			16.00			16.00		16.00		19.00	
		110	5550		16.50			16.50			16.50		16.50		19.50	
		126	5630		16.50			16.50			16.50		16.50		19.50	
		134	5670		16.50			16.50			16.50		16.50		19.50	
		142	5710		16.50			16.50			16.50		16.50		19.50	
	802.11be-EHT80 MCS0	106	5530		16.50			16.50			16.50		16.50		19.50	
		122	5610		16.50			16.50			16.50		16.50		19.50	
		138	5690		16.50			16.50			16.50		16.50		19.50	
	802.11be-EHT160 MCS0	114	5570		16.50			16.50			16.50		16.50		19.50	

<5.8GHz WLAN>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
		157	5785		18.00			18.00			18.00		18.00		21.00	
		165	5825		18.00			18.00			18.00		18.00		21.00	
	802.11n-HT20 MCS0	149	5745		18.00			18.00			18.00		18.00		21.00	
		157	5785		18.00			18.00			18.00		18.00		21.00	
		165	5825		18.00			18.00			18.00		18.00		21.00	
	802.11n-HT40 MCS0	151	5755		18.00			18.00			18.00		18.00		21.00	
		159	5795		18.00			18.00			18.00		18.00		21.00	
	802.11ac-VHT20 MCS0	149	5745		18.00			18.00			18.00		18.00		21.00	
		157	5785		18.00			18.00			18.00		18.00		21.00	
		165	5825		18.00			18.00			18.00		18.00		21.00	
	802.11ac-VHT40 MCS0	151	5755		18.00			18.00			18.00		18.00		21.00	
		159	5795		18.00			18.00			18.00		18.00		21.00	
	802.11ac-VHT80 MCS0	155	5775		18.00			18.00		16.48	18.00	17.18	18.00	19.85	21.00	98.90
	802.11ax-HE20 MCS0	149	5745		18.00			18.00		Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
		157	5785		18.00			18.00			18.00		18.00		21.00	
		165	5825		18.00			18.00			18.00		18.00		21.00	
	802.11ax-HE40 MCS0	151	5755		18.00			18.00			18.00		18.00		21.00	
		159	5795		18.00			18.00			18.00		18.00		21.00	
	802.11ax-HE80 MCS0	155	5775		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT20 MCS0	149	5745		18.00			18.00			18.00		18.00		21.00	
		157	5785		18.00			18.00			18.00		18.00		21.00	
		165	5825		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT40 MCS0	151	5755		18.00			18.00			18.00		18.00		21.00	
		159	5795		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT80 MCS0	155	5775		18.00			18.00			18.00		18.00		21.00	



<5.9GHz WLAN UNII 4>																					
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7							
5.9GHz WLAN UNII 4	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %					
	802.11a 6Mbps	169	5845	Not Required	17.00	Not Required	Not Required	17.00	Not Required	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required					
		173	5865		17.00			17.00			17.00										
		177	5885		17.00			17.00			17.00										
	802.11n-HT20 MCS0	169	5845		17.50			17.50			17.50		17.50		20.50						
		173	5865		17.50			17.50			17.50		17.50		20.50						
		177	5885		17.50			17.50			17.50		17.50		20.50						
	802.11n-HT40 MCS0	167	5835		18.00			18.00			Not Required		18.00		Not Required		18.00	Not Required	21.00	Not Required	
		175	5875		18.00			18.00					18.00				18.00		21.00		
	802.11ac-VHT20 MCS0	169	5845		17.50			17.50					17.50				17.50		20.50		
		173	5865		17.50			17.50					17.50				17.50		20.50		
		177	5885		17.50			17.50					17.50				17.50		20.50		
	802.11ac-VHT40 MCS0	167	5835		18.00			18.00					18.00				18.00		21.00		
		175	5875		18.00			18.00					18.00				18.00		21.00		
	802.11ac-VHT80 MCS0	171	5855		18.00			18.00					18.00				18.00		21.00		
	802.11ac-VHT160 MCS0	163	5815	Not Required	18.00	Not Required	Not Required	18.00	Not Required			16.20	18.00	17.12	18.00	19.69	21.00	99.10			
	802.11ax-HE20 MCS0	169	5845		17.50			17.50				Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required			
		173	5865		17.50			17.50					17.50		17.50		20.50				
		177	5885		17.50			17.50					17.50		17.50		20.50				
	802.11ax-HE40 MCS0	167	5835		18.00			18.00					18.00		18.00		21.00				
		175	5875		18.00			18.00					18.00		18.00		21.00				
	802.11ax-HE80 MCS0	171	5855		18.00			18.00					18.00		18.00		21.00				
	802.11ax-HE160 MCS0	163	5815		18.00			18.00				Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required			
	802.11be-EHT20 MCS0	169	5845		17.50			17.50					17.50		17.50		20.50				
		173	5865		17.50			17.50					17.50		17.50		20.50				
		177	5885		17.50			17.50					17.50		17.50		20.50				
	802.11be-EHT40 MCS0	167	5835		18.00			18.00					18.00		18.00		21.00				
		175	5875		18.00			18.00					18.00		18.00		21.00				
	802.11be-EHT80 MCS0	171	5855		18.00			18.00					18.00		18.00		21.00				
802.11be-EHT160 MCS0	163	5815	18.00		18.00			18.00					18.00		21.00						



<WiFi 6E>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
WiFi 6E	802.11a 6Mbps	1	5955	Not Required	2.50	Not Required	Not Required	2.50	Not Required	Not Required	2.50	Not Required	2.50	Not Required	5.50	Not Required	
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		2.50			2.50			2.50		2.50		5.50		
		173	6815		1.50			1.50			1.50		1.50		4.50		
		233	7115		-1.00			-1.00			-1.00		-1.00		2.00		
	802.11ax-HE20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50		
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		3.50			3.50			3.50		3.50		6.50		
		173	6815		2.50			2.50			2.50		2.50		5.50		
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00		
	802.11ax-HE40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50		
		59	6245		6.50			6.50			6.50		6.50		9.50		
		107	6485		6.50			6.50			6.50		6.50		9.50		
		171	6805		5.00			5.00			5.00		5.00		8.00		
		227	7085		5.50			5.50			5.50		5.50		8.50		
	802.11ax-HE80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00		
		71	6305		9.00			9.00			9.00		9.00		12.00		
		119	6545		9.00			9.00			9.00		9.00		12.00		
		167	6785		8.50			8.50			8.50		8.50		11.50		
		215	7025		8.50			8.50			8.50		8.50		11.50		
	802.11ax-HE160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50		
		47	6185		11.50			11.50			11.50		11.50		14.50		
		111	6505		11.50			11.50			11.50		11.50		14.50		
		143	6665		11.50			11.50			11.50		11.50		14.50		
		207	6985		11.50			11.50			11.50		11.50		14.50		
	802.11be-EHT20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50		
		57	6235		2.50			2.50			2.50		2.50		5.50		
		113	6515		3.50			3.50			3.50		3.50		6.50		
		173	6815		2.50			2.50			2.50		2.50		5.50		
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00		
	802.11be-EHT40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50		
		59	6245		6.50			6.50			6.50		6.50		9.50		
		107	6485		6.50			6.50			6.50		6.50		9.50		
		171	6805		5.00			5.00			5.00		5.00		8.00		
		227	7085		5.50			5.50			5.50		5.50		8.50		
	802.11be-EHT80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00		
		71	6305		9.00			9.00			9.00		9.00		12.00		
		119	6545		9.00			9.00			9.00		9.00		12.00		
		167	6785		8.50			8.50			8.50		8.50		11.50		
		215	7025		8.50			8.50			8.50		8.50		11.50		
	802.11be-EHT160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50		
		47	6185		11.50			11.50			11.50		11.50		14.50		
		111	6505		11.50			11.50			11.50		11.50		14.50		
		143	6665		11.50			11.50			11.50		11.50		14.50		
		207	6985		11.50			11.50			11.50		11.50		14.50		
	802.11be-EHT320 MCS0	31	6105		11.50			11.50			10.70	11.50	10.75	11.50	13.74	14.50	99.20
		95	6425		11.50			11.50			10.81	11.50	10.56	11.50	13.70	14.50	
		159	6745		11.50			11.50			10.51	11.50	10.88	11.50	13.71	14.50	



<Head-HBS>

<5.2GHz WLAN>																		
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	15.50	98.90	Not Required	15.50	99.01	Not Required	15.50	Not Required	15.50	Not Required	18.50	98.90		
		40	5200		15.50			15.50			15.50		15.50		18.50			
		44	5220		15.50			15.50			15.50		15.50		18.50			
		48	5240		15.50			15.50			15.50		15.50		18.50			
	802.11n-HT20 MCS0	36	5180		15.50	Not Required		15.50	Not Required		15.50		15.50		18.50	Not Required		
		40	5200		15.50			15.50			15.50		15.50		18.50			
		44	5220		15.50			15.50			15.50		15.50		18.50			
		48	5240		15.50			15.50			15.50		15.50		18.50			
	802.11n-HT40 MCS0	38	5190		15.50			15.50			15.50		15.50		18.50			
		46	5230		15.50			15.50			15.50		15.50		18.50			
	802.11ac-VHT20 MCS0	36	5180		15.50			15.50			15.50		15.50		18.50			
		40	5200		15.50			15.50			15.50		15.50		18.50			
		44	5220		15.50			15.50			15.50		15.50		18.50			
		48	5240		15.50			15.50			15.50		15.50		18.50			
	802.11ac-VHT40 MCS0	38	5190		15.50			15.50			15.50		15.50		18.50			
		46	5230		15.50			15.50			15.50		15.50		18.50			
	802.11ac-VHT80 MCS0	42	5210		15.50			15.50			15.50		15.50		18.50			
	802.11ax-HE20 MCS0	36	5180		15.50	Not Required		15.50	Not Required		15.50		15.50		18.50	Not Required		
		40	5200		15.50			15.50			15.50		15.50		18.50			
		44	5220		15.50			15.50			15.50		15.50		18.50			
		48	5240		15.50			15.50			15.50		15.50		18.50			
	802.11ax-HE40 MCS0	38	5190		15.50			15.50			15.50		15.50		18.50			
		46	5230		15.50			15.50			15.50		15.50		18.50			
	802.11ax-HE80 MCS0	42	5210		15.50			15.50			15.50		15.50		18.50			
	802.11be-EHT20 MCS0	36	5180		15.50			15.50			15.50		15.50		18.50			
		40	5200		15.50			15.50			15.50		15.50		18.50			
		44	5220		15.50			15.50			15.50		15.50		18.50			
		48	5240		15.50			15.50			15.50		15.50		18.50			
	802.11be-EHT40 MCS0	38	5190		15.50			15.50			15.50		15.50		18.50			
		46	5230		15.50			15.50			15.50		15.50		18.50			
	802.11be-EHT80 MCS0	42	5210		15.50			15.50			15.50		15.50		18.50			



<5.3GHz WLAN>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	15.50	Not Required	Not Required	15.50	Not Required	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required	
		56	5280								15.50		18.50				
		60	5300								15.50		18.50				
		64	5320								15.50		18.50				
	802.11n-HT20 MCS0	52	5260								15.50		15.50		18.50		
		56	5280								15.50		15.50		18.50		
		60	5300								15.50		15.50		18.50		
		64	5320								15.50		15.50		18.50		
	802.11n-HT40 MCS0	54	5270								15.50		15.50		18.50		
		62	5310								15.50		15.50		18.50		
	802.11ac-VHT20 MCS0	52	5260								15.50		15.50		18.50		
		56	5280								15.50		15.50		18.50		
		60	5300								15.50		15.50		18.50		
		64	5320								15.50		15.50		18.50		
	802.11ac-VHT40 MCS0	54	5270								15.50		15.50		18.50		
		62	5310								15.50		15.50		18.50		
	802.11ac-VHT80 MCS0	58	5290								15.50		15.50		18.50		
	802.11ac-VHT160 MCS0	50	5250								14.52		15.50		15.01		15.50
	802.11ax-HE20 MCS0	52	5260							15.50	15.50	18.50					
		56	5280							15.50	15.50	18.50					
		60	5300							15.50	15.50	18.50					
		64	5320							15.50	15.50	18.50					
	802.11ax-HE40 MCS0	54	5270							15.50	15.50	18.50					
		62	5310							15.50	15.50	18.50					
	802.11ax-HE80 MCS0	58	5290							15.50	15.50	18.50					
	802.11ax-HE160 MCS0	50	5250							15.50	15.50	18.50					
	802.11be-EHT20 MCS0	52	5260							15.50	15.50	18.50					
		56	5280							15.50	15.50	18.50					
		60	5300							15.50	15.50	18.50					
		64	5320							15.50	15.50	18.50					
	802.11be-EHT40 MCS0	54	5270							15.50	15.50	18.50					
		62	5310							15.50	15.50	18.50					
	802.11be-EHT80 MCS0	58	5290							15.50	15.50	18.50					
	802.11be-EHT160 MCS0	50	5250							15.50	15.50	18.50					



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<5.5GHz WLAN>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
		116	5580		18.00			18.00			18.00		21.00			
		124	5620		18.00			18.00			18.00		21.00			
		132	5660		18.00			18.00			18.00		21.00			
		140	5700		18.00			18.00			18.00		21.00			
		144	5720		18.00			18.00			18.00		21.00			
	802.11n-HT20 MCS0	100	5500		17.50			17.50			17.50		20.50			
		116	5580		18.00			18.00			18.00		21.00			
		124	5620		18.00			18.00			18.00		21.00			
		132	5660		18.00			18.00			18.00		21.00			
		140	5700		17.50			17.50			17.50		20.50			
		144	5720		18.00			18.00			18.00		21.00			
	802.11n-HT40 MCS0	102	5510		17.50			17.50			17.50		20.50			
		110	5550		18.00			18.00			18.00		21.00			
		126	5630		18.00			18.00			18.00		21.00			
		134	5670		17.50			17.50			17.50		20.50			
	802.11ac-VHT20 MCS0	142	5710		18.00			18.00			18.00		21.00			
		100	5500		17.50			17.50			17.50		20.50			
		116	5580		18.00			18.00			18.00		21.00			
		124	5620		18.00			18.00			18.00		21.00			
		132	5660		18.00			18.00			18.00		21.00			
		140	5700		17.50			17.50			17.50		20.50			
	802.11ac-VHT40 MCS0	144	5720		18.00			18.00			18.00		21.00			
		102	5510		17.50			17.50			17.50		20.50			
		110	5550		18.00			18.00			18.00		21.00			
		126	5630		18.00			18.00			18.00		21.00			
		134	5670		17.50			17.50			17.50		20.50			
142		5710	18.00		18.00			18.00			21.00					
802.11ac-VHT80 MCS0	106	5530	17.50	17.50	16.57	17.50	16.64	17.50	19.62	20.50						
	122	5610	18.00	18.00	17.05	18.00	17.05	18.00	20.06	21.00						
	138	5690	18.00	18.00	16.68	18.00	16.65	18.00	19.68	21.00						
802.11ac-VHT160 MCS0	114	5570	17.50	17.50	17.12	17.50	16.71	17.50	19.93	20.50						
802.11ax-HE20 MCS0	100	5500	17.50	17.50	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required					
	116	5580	18.00	18.00		18.00		21.00								
	124	5620	18.00	18.00		18.00		21.00								
	132	5660	18.00	18.00		18.00		21.00								
	140	5700	17.50	17.50		17.50		20.50								
	144	5720	18.00	18.00		18.00		21.00								
802.11ax-HE40 MCS0	102	5510	16.00	16.00		16.00		16.00		19.00						
	110	5550	18.00	18.00		18.00		18.00		21.00						
	126	5630	18.00	18.00		18.00		18.00		21.00						
	134	5670	17.00	17.00		17.00		17.00		20.00						
	142	5710	18.00	18.00		18.00		18.00		21.00						
802.11ax-HE80 MCS0	106	5530	17.50	17.50		17.50		17.50		20.50						
	122	5610	18.00	18.00		18.00		18.00		21.00						
	138	5690	18.00	18.00		18.00		18.00		21.00						
802.11ax-HE160 MCS0	114	5570	17.00	17.00		17.00		17.00		20.00						
802.11be-EHT20 MCS0	100	5500	17.50	17.50		17.50		17.50		20.50						
	116	5580	18.00	18.00		18.00		18.00		21.00						
	124	5620	18.00	18.00		18.00		18.00		21.00						



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		132	5660		18.00			18.00			18.00		18.00		21.00	
		140	5700		17.50			17.50			17.50		17.50		20.50	
		144	5720		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT40 MCS0	102	5510		16.00			16.00			16.00		16.00		19.00	
		110	5550		18.00			18.00			18.00		18.00		21.00	
		126	5630		18.00			18.00			18.00		18.00		21.00	
		134	5670		17.00			17.00			17.00		17.00		20.00	
		142	5710		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT80 MCS0	106	5530		17.50			17.50			17.50		17.50		20.50	
		122	5610		18.00			18.00			18.00		18.00		21.00	
		138	5690		18.00			18.00			18.00		18.00		21.00	
	802.11be-EHT160 MCS0	114	5570		17.00			17.00			17.00		17.00		20.00	

<5.8GHz WLAN>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745		15.50			15.50		Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
		157	5785		15.50			15.50			15.50		15.50		18.50	
		165	5825		15.50			15.50			15.50		15.50		18.50	
	802.11n-HT20 MCS0	149	5745		15.50			15.50			15.50		15.50		18.50	
		157	5785		15.50			15.50			15.50		15.50		18.50	
		165	5825		15.50			15.50			15.50		15.50		18.50	
	802.11n-HT40 MCS0	151	5755		15.50			15.50			15.50		15.50		18.50	
		159	5795		15.50			15.50			15.50		15.50		18.50	
	802.11ac-VHT20 MCS0	149	5745		15.50			15.50			15.50		15.50		18.50	
		157	5785		15.50			15.50			15.50		15.50		18.50	
	802.11ac-VHT40 MCS0	151	5755		15.50			15.50			15.50		15.50		18.50	
		159	5795		15.50			15.50			15.50		15.50		18.50	
	802.11ac-VHT80 MCS0	155	5775	Not Required	15.50	Not Required	Not Required	15.50	Not Required	13.65	15.50	14.73	15.50	17.23	18.50	98.90
	802.11ax-HE20 MCS0	149	5745		15.50			15.50		Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
		157	5785		15.50			15.50			15.50		15.50		18.50	
		165	5825		15.50			15.50			15.50		15.50		18.50	
	802.11ax-HE40 MCS0	151	5755		15.50			15.50			15.50		15.50		18.50	
		159	5795		15.50			15.50			15.50		15.50		18.50	
	802.11ax-HE80 MCS0	155	5775		15.50			15.50			15.50		15.50		18.50	
		149	5745		15.50			15.50			15.50		15.50		18.50	
	802.11be-EHT20 MCS0	157	5785		15.50			15.50			15.50		15.50		18.50	
		165	5825		15.50			15.50			15.50		15.50		18.50	
		151	5755		15.50			15.50			15.50		15.50		18.50	
	802.11be-EHT40 MCS0	159	5795		15.50			15.50			15.50		15.50		18.50	
		155	5775		15.50			15.50			15.50		15.50		18.50	



<5.9GHz WLAN UNII 4>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.9GHz WLAN UNII 4	802.11a 6Mbps	169	5845		16.00			16.00		Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required	
		173	5865		16.00			16.00			16.00		19.00				
		177	5885		16.00			16.00			16.00		19.00				
	802.11n-HT20 MCS0	169	5845		16.00			16.00			16.00		16.00		19.00		
		173	5865		16.00			16.00			16.00		16.00		19.00		
		177	5885		16.00			16.00			16.00		16.00		19.00		
	802.11n-HT40 MCS0	167	5835		16.00			16.00			16.00		16.00		19.00		
		175	5875		16.00			16.00			16.00		16.00		19.00		
	802.11ac-VHT20 MCS0	169	5845		16.00			16.00			16.00		16.00		19.00		
		173	5865		16.00			16.00			16.00		16.00		19.00		
		177	5885		16.00			16.00			16.00		16.00		19.00		
	802.11ac-VHT40 MCS0	167	5835		16.00			16.00			16.00		16.00		19.00		
		175	5875		16.00			16.00			16.00		16.00		19.00		
	802.11ac-VHT80 MCS0	171	5855		16.00			16.00			16.00		16.00		19.00		
	802.11ac-VHT160 MCS0	163	5815	Not Required	16.00	Not Required	Not Required	16.00	Not Required	14.23	16.00	15.20	16.00	17.75	19.00	99.10	
	802.11ax-HE20 MCS0	169	5845		16.00			16.00		Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required	
		173	5865		16.00			16.00			16.00		16.00		19.00		
		177	5885		16.00			16.00			16.00		16.00		19.00		
	802.11ax-HE40 MCS0	167	5835		16.00			16.00			16.00		16.00		19.00		
		175	5875		16.00			16.00			16.00		16.00		19.00		
	802.11ax-HE80 MCS0	171	5855		16.00			16.00			16.00		16.00		19.00		
	802.11ax-HE160 MCS0	163	5815		16.00			16.00			16.00		16.00		19.00		
	802.11be-EHT20 MCS0	169	5845		16.00			16.00			16.00		16.00		19.00		
		173	5865		16.00			16.00			16.00		16.00		19.00		
		177	5885		16.00			16.00			16.00		16.00		19.00		
	802.11be-EHT40 MCS0	167	5835		16.00			16.00			16.00		16.00		19.00		
		175	5875		16.00			16.00			16.00		16.00		19.00		
	802.11be-EHT80 MCS0	171	5855		16.00			16.00			16.00		16.00		19.00		
	802.11be-EHT160 MCS0	163	5815		16.00			16.00			16.00		16.00		19.00		



<WiFi 6E>																
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	1	5955	Not Required	2.50	Not Required	Not Required	2.50	Not Required	Not Required	2.50	Not Required	2.50	Not Required	5.50	Not Required
		57	6235		2.50			2.50			2.50		2.50		5.50	
		113	6515		2.50			2.50			2.50		2.50		5.50	
		173	6815		1.50			1.50			1.50		1.50		4.50	
		233	7115		-1.00			-1.00			-1.00		-1.00		2.00	
	802.11ax-HE20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50	
		57	6235		2.50			2.50			2.50		2.50		5.50	
		113	6515		3.50			3.50			3.50		3.50		6.50	
		173	6815		2.50			2.50			2.50		2.50		5.50	
		233	7115		-9.00			-9.00			-9.00		-9.00		-6.00	
	802.11ax-HE40 MCS0	3	5965		6.50			6.50			6.50		6.50		9.50	
		59	6245		6.50			6.50			6.50		6.50		9.50	
		107	6485		6.50			6.50			6.50		6.50		9.50	
		171	6805		5.00			5.00			5.00		5.00		8.00	
		227	7085		5.50			5.50			5.50		5.50		8.50	
	802.11ax-HE80 MCS0	7	5985		9.00			9.00			9.00		9.00		12.00	
		71	6305		9.00			9.00			9.00		9.00		12.00	
		119	6545		9.00			9.00			9.00		9.00		12.00	
		167	6785		8.50			8.50			8.50		8.50		11.50	
		215	7025		8.50			8.50			8.50		8.50		11.50	
	802.11ax-HE160 MCS0	15	6025		11.50			11.50			11.50		11.50		14.50	
		47	6185		11.50			11.50			11.50		11.50		14.50	
		111	6505		11.50			11.50			11.50		11.50		14.50	
		143	6665		11.50			11.50			11.50		11.50		14.50	
		207	6985		11.50			11.50			11.50		11.50		14.50	
	802.11be-EHT20 MCS0	1	5955		2.50			2.50			2.50		2.50		5.50	
		57	6235		2.50			2.50			2.50		2.50		5.50	
113		6515	3.50		3.50			3.50			3.50		6.50			
173		6815	2.50	2.50	2.50	2.50	5.50									
233		7115	-9.00	-9.00	-9.00	-9.00	-6.00									
802.11be-EHT40 MCS0	3	5965	6.50	6.50	6.50	6.50	9.50									
	59	6245	6.50	6.50	6.50	6.50	9.50									
	107	6485	6.50	6.50	6.50	6.50	9.50									
	171	6805	5.00	5.00	5.00	5.00	8.00									
	227	7085	5.50	5.50	5.50	5.50	8.50									
802.11be-EHT80 MCS0	7	5985	9.00	9.00	9.00	9.00	12.00									
	71	6305	9.00	9.00	9.00	9.00	12.00									
	119	6545	9.00	9.00	9.00	9.00	12.00									
	167	6785	8.50	8.50	8.50	8.50	11.50									
	215	7025	8.50	8.50	8.50	8.50	11.50									
802.11be-EHT160 MCS0	15	6025	11.50	11.50	11.50	11.50	14.50									
	47	6185	11.50	11.50	11.50	11.50	14.50									
	111	6505	11.50	11.50	11.50	11.50	14.50									
	143	6665	11.50	11.50	11.50	11.50	14.50									
	207	6985	11.50	11.50	11.50	11.50	14.50									
802.11be-EHT320 MCS0	31	6105	11.50	11.50	10.70	11.50	10.75	11.50	13.74	14.50	99.20					
	95	6425	11.50	11.50	10.81	11.50	10.56	11.50	13.70	14.50						
	159	6745	11.50	11.50	10.51	11.50	10.88	11.50	13.71	14.50						



<Body-HBS>

<5.2GHz WLAN>																		
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	16.00	98.90	Not Required	16.00	99.01	Not Required	16.00	Not Required	16.00	Not Required	19.00	98.90		
		40	5200		16.00			16.00			16.00		16.00		19.00			
		44	5220		16.00			16.00			16.00		16.00		19.00			
		48	5240		16.00			16.00			16.00		16.00		19.00			
	802.11n-HT20 MCS0	36	5180		16.00	Not Required		16.00	Not Required		16.00		16.00		19.00	Not Required		
		40	5200		16.00			16.00			16.00		16.00		19.00			
		44	5220		16.00			16.00			16.00		16.00		19.00			
		48	5240		16.00			16.00			16.00		16.00		19.00			
	802.11n-HT40 MCS0	38	5190		16.00			16.00			16.00		16.00		19.00			
		46	5230		16.00			16.00			16.00		16.00		19.00			
	802.11ac-VHT20 MCS0	36	5180		16.00			16.00			16.00		16.00		19.00			
		40	5200		16.00			16.00			16.00		16.00		19.00			
		44	5220		16.00			16.00			16.00		16.00		19.00			
		48	5240		16.00			16.00			16.00		16.00		19.00			
	802.11ac-VHT40 MCS0	38	5190		16.00			16.00			16.00		16.00		19.00			
		46	5230		16.00			16.00			16.00		16.00		19.00			
	802.11ac-VHT80 MCS0	42	5210		16.00			16.00			16.00		16.00		19.00			
	802.11ax-HE20 MCS0	36	5180		16.00	Not Required		16.00	Not Required		16.00		16.00		19.00	Not Required		
		40	5200		16.00			16.00			16.00		16.00		19.00			
		44	5220		16.00			16.00			16.00		16.00		19.00			
		48	5240		16.00			16.00			16.00		16.00		19.00			
	802.11ax-HE40 MCS0	38	5190		16.00			16.00			16.00		16.00		19.00			
		46	5230		16.00			16.00			16.00		16.00		19.00			
	802.11ax-HE80 MCS0	42	5210		16.00			16.00			16.00		16.00		19.00			
	802.11be-EHT20 MCS0	36	5180		16.00			16.00			16.00		16.00		19.00			
		40	5200		16.00			16.00			16.00		16.00		19.00			
		44	5220		16.00			16.00			16.00		16.00		19.00			
		48	5240		16.00			16.00			16.00		16.00		19.00			
	802.11be-EHT40 MCS0	38	5190		16.00			16.00			16.00		16.00		19.00			
		46	5230		16.00			16.00			16.00		16.00		19.00			
	802.11be-EHT80 MCS0	42	5210		16.00			16.00			16.00		16.00		19.00			



<5.3GHz WLAN>																	
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	16.00	Not Required	Not Required	16.00	Not Required	Not Required	16.00	Not Required	16.00	Not Required	16.00	19.00	Not Required
		56	5280														
		60	5300														
		64	5320														
	802.11n-HT20 MCS0	52	5260														
		56	5280														
		60	5300														
		64	5320														
	802.11n-HT40 MCS0	54	5270														
		62	5310														
	802.11ac-VHT20 MCS0	52	5260														
		56	5280														
		60	5300														
		64	5320														
	802.11ac-VHT40 MCS0	54	5270														
		62	5310														
	802.11ac-VHT80 MCS0	58	5290														
		62	5310														
	802.11ac-VHT160 MCS0	50	5250							14.52	16.00	15.01	16.00	17.78	19.00	99.10	
	802.11ax-HE20 MCS0	52	5260							Not Required	16.00	Not Required	16.00	Not Required	16.00	19.00	Not Required
		56	5280														
		60	5300														
		64	5320														
	802.11ax-HE40 MCS0	54	5270														
		62	5310														
	802.11ax-HE80 MCS0	58	5290														
	802.11ax-HE160 MCS0	50	5250														
	802.11be-EHT20 MCS0	52	5260														
		56	5280														
		60	5300														
		64	5320														
	802.11be-EHT40 MCS0	54	5270														
		62	5310														
	802.11be-EHT80 MCS0	58	5290														
	802.11be-EHT160 MCS0	50	5250														



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TEL : 886-3-327-3456
FAX : 886-3-328-4978
Template version: 240125



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		132	5660		16.00			16.00			16.00		16.00		19.00	
		140	5700		16.00			16.00			16.00		16.00		19.00	
		144	5720		16.00			16.00			16.00		16.00		19.00	
	802.11be-EHT40 MCS0	102	5510		16.00			16.00			16.00		16.00		19.00	
		110	5550		16.00			16.00			16.00		16.00		19.00	
		126	5630		16.00			16.00			16.00		16.00		19.00	
		134	5670		16.00			16.00			16.00		16.00		19.00	
		142	5710		16.00			16.00			16.00		16.00		19.00	
	802.11be-EHT80 MCS0	106	5530		16.00			16.00			16.00		16.00		19.00	
		122	5610		16.00			16.00			16.00		16.00		19.00	
		138	5690		16.00			16.00			16.00		16.00		19.00	
	802.11be-EHT160 MCS0	114	5570		16.00			16.00			16.00		16.00		19.00	

<5.8GHz WLAN>																		
				Ant 6			Ant 7				Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7			
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	802.11a 6Mbps	149	5745	Not Required	17.00	Not Required	Not Required	17.00	Not Required	Not Required	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
		157	5785		17.00			17.00				17.00		17.00		20.00		
		165	5825		17.00			17.00				17.00		17.00		20.00		
	802.11n-HT20 MCS0	149	5745		17.00			17.00				17.00		17.00		20.00		
		157	5785		17.00			17.00				17.00		17.00		20.00		
		165	5825		17.00			17.00				17.00		17.00		20.00		
	802.11n-HT40 MCS0	151	5755		17.00			17.00			Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
		159	5795		17.00			17.00				17.00		17.00		20.00		
	802.11ac-VHT20 MCS0	149	5745		17.00			17.00				Not Required	17.00	Not Required	20.00	Not Required		
		157	5785		17.00			17.00					17.00		17.00		20.00	
		165	5825		17.00			17.00					17.00		17.00		20.00	
	802.11ac-VHT40 MCS0	151	5755		17.00			17.00					17.00		17.00		20.00	
		159	5795		17.00			17.00					17.00		17.00		20.00	
	802.11ac-VHT80 MCS0	155	5775		17.00			17.00				15.82	17.00	16.60	17.00	19.24	20.00	98.90
	802.11ax-HE20 MCS0	149	5745		17.00			17.00			Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
		157	5785		17.00			17.00				17.00		17.00		20.00		
		165	5825		17.00			17.00				17.00		17.00		20.00		
	802.11ax-HE40 MCS0	151	5755		17.00			17.00				17.00		17.00		20.00		
		159	5795		17.00			17.00				17.00		17.00		20.00		
	802.11ax-HE80 MCS0	155	5775		17.00			17.00				Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	802.11be-EHT20 MCS0	149	5745		17.00			17.00				Not Required	17.00	Not Required	20.00	Not Required		
		157	5785		17.00			17.00					17.00		17.00		20.00	
		165	5825		17.00			17.00					17.00		17.00		20.00	
	802.11be-EHT40 MCS0	151	5755		17.00			17.00					17.00		17.00		20.00	
		159	5795		17.00			17.00					17.00		17.00		20.00	
802.11be-EHT80 MCS0	155	5775	17.00		17.00			17.00					17.00		20.00			



<5.9GHz WLAN UNII 4>																					
				Ant 6			Ant 7			Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7							
5.9GHz WLAN UNII 4	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %					
	802.11a 6Mbps	169	5845	Not Required	17.00	Not Required	Not Required	17.00	Not Required	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required					
		173	5865		17.00			17.00			20.00										
		177	5885		17.00			17.00			20.00										
	802.11n-HT20 MCS0	169	5845		17.50			17.50			20.50										
		173	5865		17.50			17.50			20.50										
		177	5885		17.50			17.50			20.50										
	802.11n-HT40 MCS0	167	5835		17.50			17.50			20.50										
		175	5875		17.50			17.50			20.50										
	802.11ac-VHT20 MCS0	169	5845		17.50			17.50			20.50										
		173	5865		17.50			17.50			20.50										
		177	5885		17.50			17.50			20.50										
	802.11ac-VHT40 MCS0	167	5835		17.50			17.50			20.50										
		175	5875		17.50			17.50			20.50										
	802.11ac-VHT80 MCS0	171	5855		17.50			17.50			20.50										
	802.11ac-VHT160 MCS0	163	5815		17.50			17.50			20.50										
	802.11ax-HE20 MCS0	169	5845	Not Required	17.50	Not Required	Not Required	17.50	Not Required	16.20	17.50	17.12	17.50	19.69	20.50	99.10					
		173	5865		17.50			17.50			20.50										
		177	5885		17.50			17.50			20.50										
	802.11ax-HE40 MCS0	167	5835		17.50			17.50			20.50										
		175	5875		17.50			17.50			20.50										
	802.11ax-HE80 MCS0	171	5855		17.50			17.50			20.50										
	802.11ax-HE160 MCS0	163	5815		17.50			17.50			20.50										
	802.11be-EHT20 MCS0	169	5845		Not Required			17.50			Not Required	Not Required	17.50	Not Required	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
		173	5865					17.50					17.50			20.50					
		177	5885					17.50					17.50			20.50					
	802.11be-EHT40 MCS0	167	5835					17.50					17.50			20.50					
		175	5875					17.50					17.50			20.50					
	802.11be-EHT80 MCS0	171	5855					17.50					17.50			20.50					
	802.11be-EHT160 MCS0	163	5815					17.50					17.50			20.50					



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<WiFi 6E>																	
	Mode	Channel	Frequency (MHz)	Ant 6			Ant 7				Ant 6+7 (6)		Ant 6+7 (7)		Ant 6+7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WiFi 6E	802.11a 6Mbps	1	5955		2.50			2.50				2.50		2.50		5.50	
		57	6235		2.50			2.50				2.50		2.50		5.50	
		113	6515		2.50			2.50				2.50		2.50		5.50	
		173	6815		1.50			1.50				1.50		1.50		4.50	
		233	7115		-1.00			-1.00				-1.00		-1.00		2.00	
	802.11ax-HE20 MCS0	1	5955		2.50			2.50				2.50		2.50		5.50	
		57	6235		2.50			2.50				2.50		2.50		5.50	
		113	6515		3.50			3.50				3.50		3.50		6.50	
		173	6815		2.50			2.50				2.50		2.50		5.50	
		233	7115		-9.00			-9.00				-9.00		-9.00		-6.00	
	802.11ax-HE40 MCS0	3	5965		6.50			6.50				6.50		6.50		9.50	
		59	6245		6.50			6.50				6.50		6.50		9.50	
		107	6485		6.50			6.50				6.50		6.50		9.50	
		171	6805		5.00			5.00				5.00		5.00		8.00	
		227	7085		5.50			5.50				5.50		5.50		8.50	
	802.11ax-HE80 MCS0	7	5985		9.00			9.00				9.00		9.00		12.00	
		71	6305		9.00			9.00				9.00		9.00		12.00	
		119	6545		9.00			9.00				9.00		9.00		12.00	
		167	6785		8.50			8.50				8.50		8.50		11.50	
		215	7025		8.50			8.50				8.50		8.50		11.50	
	802.11ax-HE160 MCS0	15	6025		11.50			11.50				11.50		11.50		14.50	
		47	6185		11.50			11.50				11.50		11.50		14.50	
		111	6505		11.50			11.50				11.50		11.50		14.50	
		143	6665		11.50			11.50				11.50		11.50		14.50	
		207	6985	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	Not Required	11.50	Not Required	11.50	Not Required	14.50	Not Required
	802.11be-EHT20 MCS0	1	5955		2.50			2.50				2.50		2.50		5.50	
		57	6235		2.50			2.50				2.50		2.50		5.50	
		113	6515		3.50			3.50				3.50		3.50		6.50	
		173	6815		2.50			2.50				2.50		2.50		5.50	
		233	7115		-9.00			-9.00				-9.00		-9.00		-6.00	
	802.11be-EHT40 MCS0	3	5965		6.50			6.50				6.50		6.50		9.50	
		59	6245		6.50			6.50				6.50		6.50		9.50	
		107	6485		6.50			6.50				6.50		6.50		9.50	
		171	6805		5.00			5.00				5.00		5.00		8.00	
		227	7085		5.50			5.50				5.50		5.50		8.50	
	802.11be-EHT80 MCS0	7	5985		9.00			9.00				9.00		9.00		12.00	
		71	6305		9.00			9.00				9.00		9.00		12.00	
		119	6545		9.00			9.00				9.00		9.00		12.00	
		167	6785		8.50			8.50				8.50		8.50		11.50	
		215	7025		8.50			8.50				8.50		8.50		11.50	
	802.11be-EHT160 MCS0	15	6025		11.50			11.50				11.50		11.50		14.50	
		47	6185		11.50			11.50				11.50		11.50		14.50	
		111	6505		11.50			11.50				11.50		11.50		14.50	
		143	6665		11.50			11.50				11.50		11.50		14.50	
		207	6985		11.50			11.50				11.50		11.50		14.50	
	802.11be-EHT320 MCS0	31	6105		11.50			11.50			10.70	11.50	10.75	11.50	13.74	14.50	99.20
		95	6425		11.50			11.50			10.81	11.50	10.56	11.50	13.70	14.50	
		159	6745		11.50			11.50			10.51	11.50	10.88	11.50	13.71	14.50	

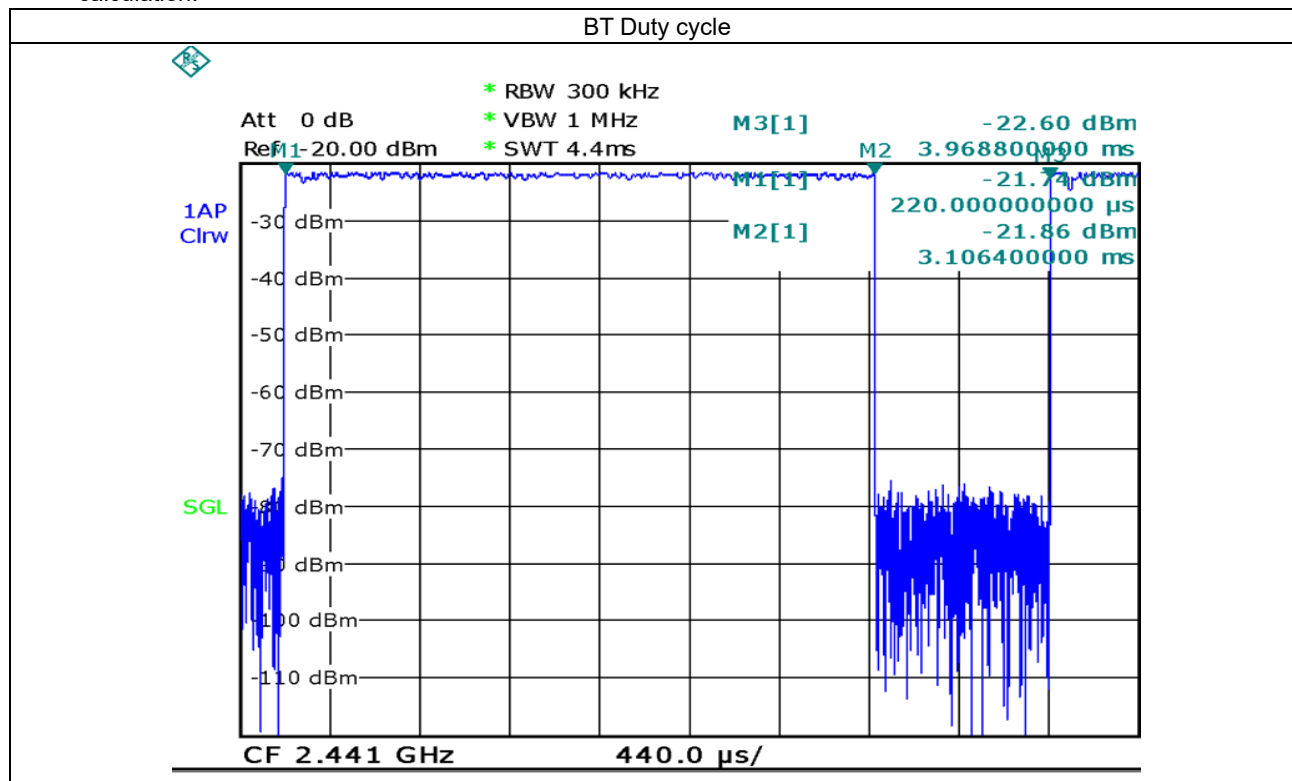
<2.4GHz Bluetooth>

<Head / Body>

	Mode	Channel	Frequency (MHz)	Ant 6			Ant 7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	15.95	16.00	77.00	14.41	16.00	77.00
		39	2441	15.96	16.00		14.23	16.00	
		78	2480	15.99	16.00		14.05	16.00	
	BR / EDR 2Mbps	0	2402	Not Required	16.00	Not Required	Not Required	16.00	Not Required
		39	2441		16.00			16.00	
		78	2480		16.00			16.00	
	BR / EDR 3Mbps	0	2402		16.00			16.00	
		39	2441		16.00			16.00	
		78	2480		16.00			16.00	
	LE S2	0	2402		6.50			6.50	
		19	2440		6.50			6.50	
		39	2480		6.50			6.50	
	LE S8	0	2402		6.50			6.50	
		19	2440		6.50			6.50	
		39	2480		6.50			6.50	
	LE 1Mbps	0	2402		6.50			6.50	
		19	2440		6.50			6.50	
		39	2480		6.50			6.50	
	LE 2Mbps	0	2402		6.50			6.50	
		19	2440		6.50			6.50	
		39	2480		6.50			6.50	

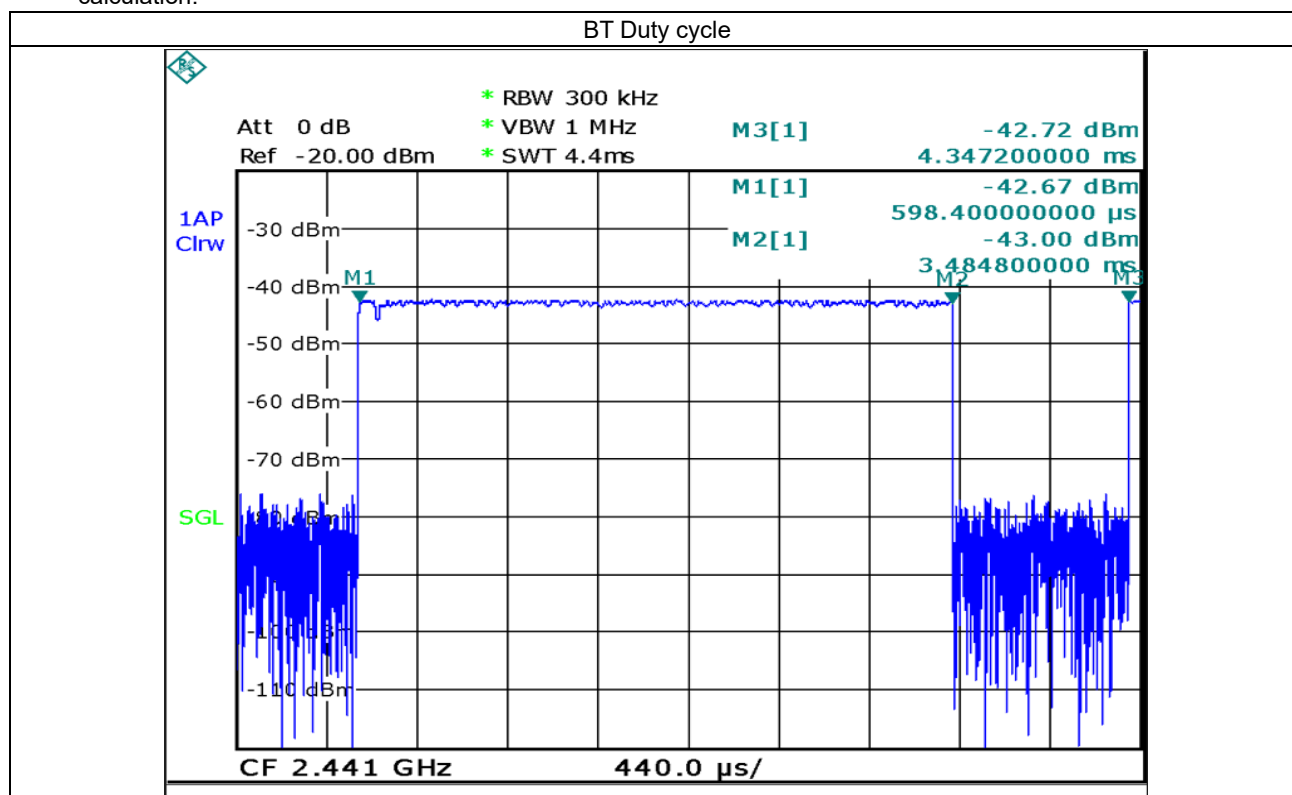
General Note:

- For 2.4GHz Bluetooth Ant 6 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 77% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



General Note:

- For 2.4GHz Bluetooth Ant 7 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 77% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



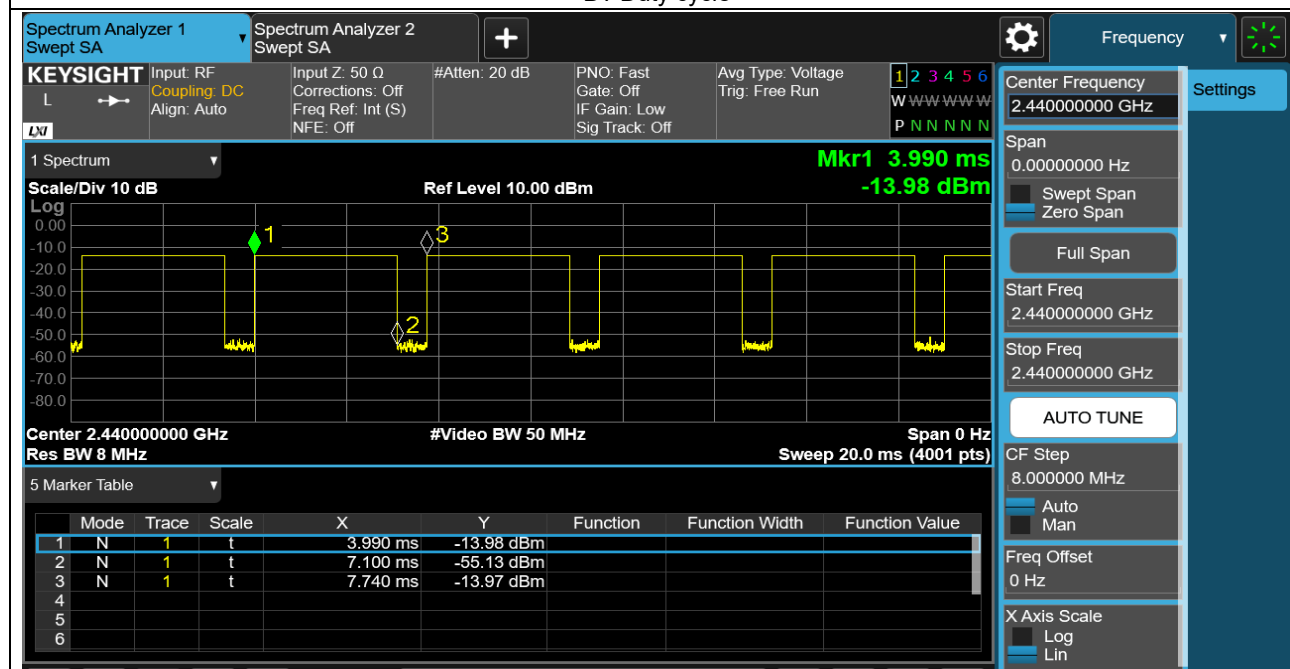
<2nd 2.4GHz Bluetooth>

				Ant 7		
Bluetooth	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	BLE S2	0	2402	Not Required	6.00	Not Required
		19	2440		6.00	
		39	2480		6.00	
	BLE S8	0	2402	5.92	6.00	82.93
		19	2440	5.94	6.00	
		39	2480	5.70	6.00	
	LE 1Mbps	0	2402	Not Required	6.00	Not Required
		19	2440		6.00	
		39	2480		6.00	
	LE 2Mbps	0	2402	Not Required	6.00	Not Required
		19	2440		6.00	
		39	2480		6.00	

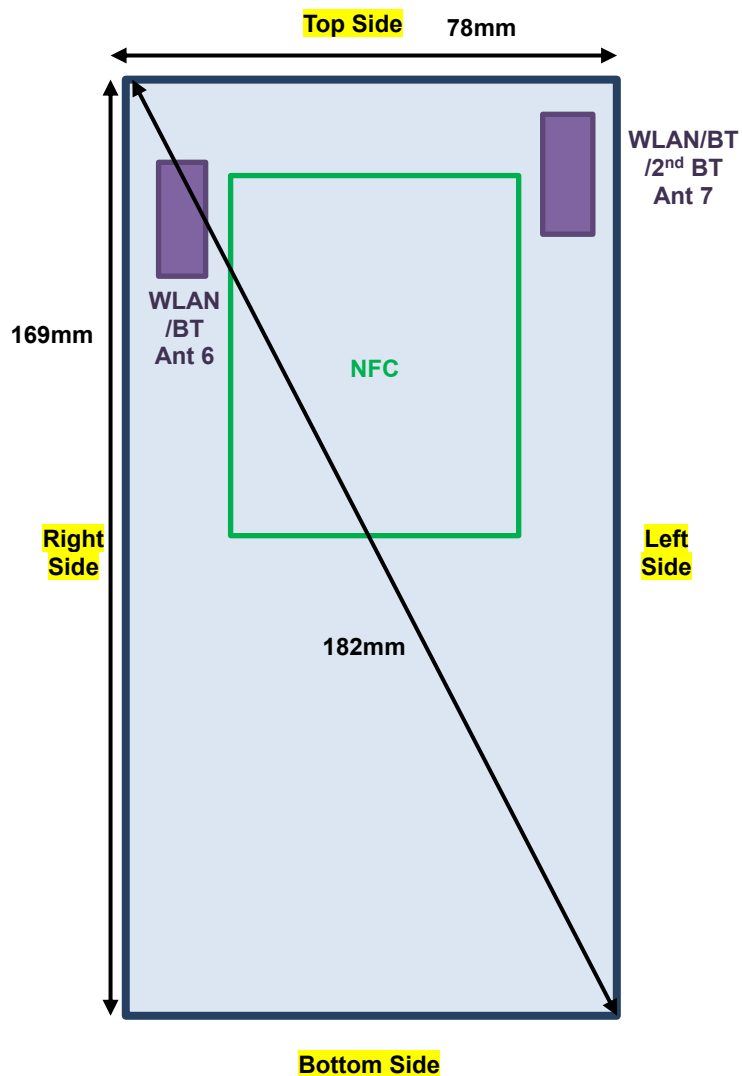
General Note:

- For 2.4GHz Bluetooth Ant 6 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 82.93% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.

BT Duty cycle



12. Antenna Location



Back View

Antenna	Top Side(mm)	Bottom Side(mm)	Left Side(mm)	Right Side(mm)
WLAN/BT Ant 6	12	142	68	6
WLAN / BT /2 nd BT Ant 7	9	141	6	72

13. 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. Since the overall diagonal of the product exceeds 16 cm, therefore, product specific 10g SAR is required

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. Since the SISO mode max power is equal to the single antenna in MIMO mode, therefore, the RF exposure is performed with MIMO operation.
6. For determining the SAR scaling factor in MIMO mode, if the RF hot spots are spatially separated, the scaling factors are individually derived from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined based on the worst number observed among all transmit chains.
7. 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%) 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 14
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 PD_{inc} 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 iPD_n 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.

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

NFC Note:

1. NFC functions primarily under extremity exposure scenarios in hand-held use. Accordingly, standalone 10-gram extremity SAR testing is conducted in active transmission mode, using a 100% duty cycle and a 0 mm separation distance.
2. Extremity SAR measurements for NFC are performed on all applicable edges and surfaces of the device.

**13.1 Head SAR****<WLAN SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Power State	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
01	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	18.30	19.00	1.175	96.7	1.034	0.01	0.344	0.418
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	18.26	19.00	1.186	96.7	1.034	0.01	0.505	0.619
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	18.30	19.00	1.175	96.7	1.034	0.08	0.273	0.332
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	18.26	19.00	1.186	96.7	1.034	0.08	0.197	0.242
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	18.30	19.00	1.175	96.7	1.034	-0.01	0.618	0.751
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	18.26	19.00	1.186	96.7	1.034	-0.01	0.270	0.331
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	18.30	19.00	1.175	96.7	1.034	0.09	0.340	0.413
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	18.26	19.00	1.186	96.7	1.034	0.09	0.054	0.066
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	6	2437	18.16	19.00	1.213	96.7	1.034	0.04	0.645	0.809
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	6	2437	18.02	19.00	1.253	96.7	1.034	0.04	0.226	0.293
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	11	2462	18.32	19.00	1.169	96.7	1.034	0.08	0.566	0.684
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	11	2462	18.17	19.00	1.211	96.7	1.034	0.08	0.198	0.248
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0803FR	Standalone	Standard	6	2437	18.16	19.00	1.213	96.7	1.034	-0.08	0.529	0.663
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0803FR	Standalone	Standard	6	2437	18.02	19.00	1.253	96.7	1.034	-0.08	0.185	0.240
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Extend	6	2437	18.16	19.00	1.213	96.7	1.034	0.01	0.640	0.803
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Extend	6	2437	18.02	19.00	1.253	96.7	1.034	0.01	0.220	0.285
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Wireless	6	2437	18.16	19.00	1.213	96.7	1.034	0.02	0.638	0.800
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Wireless	6	2437	18.02	19.00	1.253	96.7	1.034	0.02	0.218	0.282
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	13.82	14.50	1.169	96.7	1.034	0.01	0.106	0.128
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	13.79	14.50	1.178	96.7	1.034	0.01	0.155	0.189
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	13.82	14.50	1.169	96.7	1.034	0.05	0.084	0.102
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	13.79	14.50	1.178	96.7	1.034	0.05	0.061	0.074
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	13.82	14.50	1.169	96.7	1.034	0.07	0.190	0.230
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	13.79	14.50	1.178	96.7	1.034	0.07	0.062	0.076
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	13.82	14.50	1.169	96.7	1.034	-0.01	0.105	0.127
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	13.79	14.50	1.178	96.7	1.034	-0.01	0.017	0.021
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0803FR	DBS	Standard	1	2412	13.82	14.50	1.169	96.7	1.034	0.02	0.188	0.227
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0803FR	DBS	Standard	1	2412	13.79	14.50	1.178	96.7	1.034	0.02	0.060	0.073
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0703	DBS	Extend	1	2412	13.82	14.50	1.169	96.7	1.034	-0.11	0.184	0.222
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	DBS	Extend	1	2412	13.79	14.50	1.178	96.7	1.034	-0.11	0.058	0.071
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(6)	S0703	DBS	Wireless	1	2412	13.82	14.50	1.169	96.7	1.034	0.07	0.185	0.224
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	DBS	Wireless	1	2412	13.79	14.50	1.178	96.7	1.034	0.07	0.055	0.067
02	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	-0.13	0.310	0.357
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	-0.13	0.506	0.516
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 6+7(6)	S0703	Standalone	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0.02	0.092	0.106
	WLAN5GHz	802.11a 6Mbps	Right Tilted	0mm	Ant 6+7(7)	S0703	Standalone	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	0.02	0.273	0.278
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0.05	0.340	0.391
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	0.05	0.338	0.345
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 6+7(6)	S0703	Standalone	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0.01	0.124	0.143
	WLAN5GHz	802.11a 6Mbps	Left Tilted	0mm	Ant 6+7(7)	S0703	Standalone	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	0.01	0.268	0.273
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 6+7(6)	S0803FR	Standalone	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0.03	0.290	0.334
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 6+7(7)	S0803FR	Standalone	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	0.03	0.474	0.484
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Extend	60	5300	17.94	18.50	1.138	98.9	1.011	0.08	0.308	0.354
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Extend	60	5300	18.46	18.50	1.009	98.9	1.011	0.08	0.480	0.490
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Wireless	60	5300	17.94	18.50	1.138	98.9	1.011	0.01	0.302	0.347
	WLAN5GHz	802.11a 6Mbps	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Wireless	60	5300	18.46	18.50	1.009	98.9	1.011	0.01	0.500	0.510
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Standard	54	5270	17.04	18.00	1.247	99.1	1.009	0.02	0.221	0.278
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Standard	54	5270	17.13	18.00	1.222	99.1	1.009	0.02	0.293	0.361
	WLAN5GHz	802.11n-HT40	Right Tilted	0mm	Ant 6+7(6)	S0703	DBS	Standard	54	5270	17.04	18.00	1.247	99.1	1.009	0.17	0.119	0.150



FCC SAR TEST REPORT

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		MCS0																
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	DBS	Standard	54	5270	17.13	18.00	1.222	99.1	1.009	0.17	0.158	0.195
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	DBS	Standard	54	5270	17.04	18.00	1.247	99.1	1.009	0.01	0.261	0.328
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	DBS	Standard	54	5270	17.13	18.00	1.222	99.1	1.009	0.01	0.259	0.319
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	DBS	Standard	54	5270	17.04	18.00	1.247	99.1	1.009	0.04	0.072	0.091
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	DBS	Standard	54	5270	17.13	18.00	1.222	99.1	1.009	0.04	0.155	0.191
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	DBS	Standard	54	5270	17.04	18.00	1.247	99.1	1.009	-0.08	0.168	0.211
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	DBS	Standard	54	5270	17.13	18.00	1.222	99.1	1.009	-0.08	0.274	0.338
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Extend	54	5270	17.04	18.00	1.247	99.1	1.009	0.08	0.219	0.276
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Extend	54	5270	17.13	18.00	1.222	99.1	1.009	0.08	0.288	0.355
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Wireless	54	5270	17.04	18.00	1.247	99.1	1.009	0.11	0.218	0.274
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Wireless	54	5270	17.13	18.00	1.222	99.1	1.009	0.11	0.284	0.350
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	15.50	1.253	99.1	1.009	-0.07	0.111	0.140
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	15.50	1.119	99.1	1.009	-0.07	0.180	0.203
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	15.50	1.253	99.1	1.009	0.01	0.033	0.042
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	15.50	1.119	99.1	1.009	0.01	0.097	0.110
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	15.50	1.253	99.1	1.009	-0.12	0.160	0.202
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	15.50	1.119	99.1	1.009	-0.12	0.159	0.180
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	15.50	1.253	99.1	1.009	0.05	0.044	0.056
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	15.50	1.119	99.1	1.009	0.05	0.095	0.107
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	HBS	Standard	50	5250	14.52	15.50	1.253	99.1	1.009	0.03	0.103	0.130
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	HBS	Standard	50	5250	15.01	15.50	1.119	99.1	1.009	0.03	0.169	0.191
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Extend	50	5250	14.52	15.50	1.253	99.1	1.009	0.02	0.104	0.131
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Extend	50	5250	15.01	15.50	1.119	99.1	1.009	0.02	0.166	0.187
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Wireless	50	5250	14.52	15.50	1.253	99.1	1.009	0.01	0.106	0.134
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Wireless	50	5250	15.01	15.50	1.119	99.1	1.009	0.01	0.159	0.180
03	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.04	0.151	0.190
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.04	0.370	0.466
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.14	0.065	0.082
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.14	0.222	0.279
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	-0.05	0.332	0.418
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	-0.05	0.330	0.415
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.14	0.101	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.14	0.219	0.276
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.02	0.142	0.179
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	Standalone / DBS / HBS	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.02	0.362	0.456
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Extend	122	5610	17.05	18.00	1.245	98.9	1.011	0.06	0.141	0.177
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Extend	122	5610	17.05	18.00	1.245	98.9	1.011	0.06	0.359	0.452
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Wireless	122	5610	17.05	18.00	1.245	98.9	1.011	0.11	0.142	0.179
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Wireless	122	5610	17.05	18.00	1.245	98.9	1.011	0.11	0.359	0.452
04	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	155	5775	16.48	17.50	1.265	98.9	1.011	0.09	0.127	0.162
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	155	5775	17.18	17.50	1.076	98.9	1.011	0.09	0.603	0.656
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	Standalone	Standard	155	5775	16.48	17.50	1.265	98.9	1.011	0.14	0.108	0.138



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	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	Standalone	Standard	155	5775	17.18	17.50	1.076	98.9	1.011	0.14	0.371	0.404
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	155	5775	16.48	17.50	1.265	98.9	1.011	-0.05	0.345	0.441
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	155	5775	17.18	17.50	1.076	98.9	1.011	-0.05	0.341	0.371
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	Standalone	Standard	155	5775	16.48	17.50	1.265	98.9	1.011	-0.14	0.164	0.210
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	Standalone	Standard	155	5775	17.18	17.50	1.076	98.9	1.011	-0.14	0.355	0.386
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	Standalone	Standard	155	5775	16.48	17.50	1.265	98.9	1.011	0.08	0.122	0.156
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	Standalone	Standard	155	5775	17.18	17.50	1.076	98.9	1.011	0.08	0.600	0.653
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Extend	155	5775	16.48	17.50	1.265	98.9	1.011	0.09	0.118	0.151
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Extend	155	5775	17.18	17.50	1.076	98.9	1.011	0.09	0.598	0.651
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Wireless	155	5775	16.48	17.50	1.265	98.9	1.011	0.02	0.114	0.146
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Wireless	155	5775	17.18	17.50	1.076	98.9	1.011	0.02	0.599	0.652
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	13.65	15.00	1.365	98.9	1.011	0.03	0.076	0.105
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	14.73	15.00	1.064	98.9	1.011	0.03	0.353	0.380
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	13.65	15.00	1.365	98.9	1.011	-0.18	0.063	0.087
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	14.73	15.00	1.064	98.9	1.011	-0.18	0.217	0.233
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	13.65	15.00	1.365	98.9	1.011	0.12	0.202	0.279
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	14.73	15.00	1.064	98.9	1.011	0.12	0.200	0.215
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	13.65	15.00	1.365	98.9	1.011	-0.17	0.096	0.132
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	14.73	15.00	1.064	98.9	1.011	-0.17	0.208	0.224
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	DBS	Standard	155	5775	13.65	15.00	1.365	98.9	1.011	0.02	0.075	0.104
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	DBS	Standard	155	5775	14.73	15.00	1.064	98.9	1.011	0.02	0.351	0.378
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Extend	155	5775	13.65	15.00	1.365	98.9	1.011	-0.01	0.074	0.102
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Extend	155	5775	14.73	15.00	1.064	98.9	1.011	-0.01	0.348	0.374
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Wireless	155	5775	13.65	15.00	1.365	98.9	1.011	0.08	0.075	0.104
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Wireless	155	5775	14.73	15.00	1.064	98.9	1.011	0.08	0.350	0.376
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	13.65	15.50	1.531	98.9	1.011	0.03	0.076	0.118
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	14.73	15.50	1.194	98.9	1.011	0.03	0.353	0.426
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	13.65	15.50	1.531	98.9	1.011	-0.18	0.063	0.098
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	14.73	15.50	1.194	98.9	1.011	-0.18	0.217	0.262
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	13.65	15.50	1.531	98.9	1.011	0.12	0.202	0.313
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	14.73	15.50	1.194	98.9	1.011	0.12	0.200	0.241
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	13.65	15.50	1.531	98.9	1.011	-0.17	0.096	0.149
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	14.73	15.50	1.194	98.9	1.011	-0.17	0.208	0.251
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	HBS	Standard	155	5775	13.65	15.50	1.531	98.9	1.011	0.02	0.075	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	HBS	Standard	155	5775	14.73	15.50	1.194	98.9	1.011	0.02	0.351	0.424
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Extend	155	5775	13.65	15.50	1.531	98.9	1.011	-0.01	0.074	0.115
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Extend	155	5775	14.73	15.50	1.194	98.9	1.011	-0.01	0.348	0.420
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Wireless	155	5775	13.65	15.50	1.531	98.9	1.011	0.08	0.075	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Wireless	155	5775	14.73	15.50	1.194	98.9	1.011	0.08	0.350	0.422
05	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	-0.04	0.141	0.192
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	-0.04	0.554	0.610
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	Standalone	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	0.01	0.114	0.155
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	Standalone	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	0.01	0.390	0.429



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	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	0.02	0.310	0.422
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	0.02	0.215	0.237
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	Standalone	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	0.09	0.156	0.212
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	Standalone	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	0.09	0.338	0.372
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	Standalone	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	0.05	0.140	0.191
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	Standalone	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	0.05	0.530	0.583
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Extend	163	5815	16.20	17.50	1.349	99.1	1.009	0.04	0.138	0.188
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Extend	163	5815	17.12	17.50	1.091	99.1	1.009	0.04	0.528	0.581
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone	Wireless	163	5815	16.20	17.50	1.349	99.1	1.009	0.08	0.133	0.181
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone	Wireless	163	5815	17.12	17.50	1.091	99.1	1.009	0.08	0.514	0.566
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Standard	163	5815	14.23	15.50	1.340	99.1	1.009	-0.07	0.092	0.124
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Standard	163	5815	15.20	15.50	1.072	99.1	1.009	-0.07	0.388	0.420
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	DBS	Standard	163	5815	14.23	15.50	1.340	99.1	1.009	0.08	0.080	0.108
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	DBS	Standard	163	5815	15.20	15.50	1.072	99.1	1.009	0.08	0.273	0.295
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	DBS	Standard	163	5815	14.23	15.50	1.340	99.1	1.009	0.03	0.217	0.293
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	DBS	Standard	163	5815	15.20	15.50	1.072	99.1	1.009	0.03	0.151	0.163
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	DBS	Standard	163	5815	14.23	15.50	1.340	99.1	1.009	-0.08	0.109	0.147
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	DBS	Standard	163	5815	15.20	15.50	1.072	99.1	1.009	-0.08	0.237	0.256
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	DBS	Standard	163	5815	14.23	15.50	1.340	99.1	1.009	0.02	0.088	0.119
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	DBS	Standard	163	5815	15.20	15.50	1.072	99.1	1.009	0.02	0.377	0.408
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Extend	163	5815	14.23	15.50	1.340	99.1	1.009	-0.05	0.084	0.114
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Extend	163	5815	15.20	15.50	1.072	99.1	1.009	-0.05	0.366	0.396
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	DBS	Wireless	163	5815	14.23	15.50	1.340	99.1	1.009	0.09	0.085	0.115
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	DBS	Wireless	163	5815	15.20	15.50	1.072	99.1	1.009	0.09	0.369	0.399
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	14.23	16.00	1.503	99.1	1.009	-0.07	0.092	0.140
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	15.20	16.00	1.202	99.1	1.009	-0.07	0.388	0.471
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	14.23	16.00	1.503	99.1	1.009	0.08	0.080	0.121
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	15.20	16.00	1.202	99.1	1.009	0.08	0.273	0.331
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	14.23	16.00	1.503	99.1	1.009	0.03	0.217	0.329
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	15.20	16.00	1.202	99.1	1.009	0.03	0.151	0.183
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	14.23	16.00	1.503	99.1	1.009	-0.08	0.109	0.165
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	15.20	16.00	1.202	99.1	1.009	-0.08	0.237	0.287
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	HBS	Standard	163	5815	14.23	16.00	1.503	99.1	1.009	0.02	0.088	0.133
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	HBS	Standard	163	5815	15.20	16.00	1.202	99.1	1.009	0.02	0.377	0.457
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Extend	163	5815	14.23	16.00	1.503	99.1	1.009	-0.05	0.084	0.127
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Extend	163	5815	15.20	16.00	1.202	99.1	1.009	-0.05	0.366	0.444
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	HBS	Wireless	163	5815	14.23	16.00	1.503	99.1	1.009	0.09	0.085	0.129
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	HBS	Wireless	163	5815	15.20	16.00	1.202	99.1	1.009	0.09	0.369	0.448



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Power State	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m ²)	Reported APD (W/m ²)	APD Ratio
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	-0.09	0.058	0.070	0.361	0.437	0.022
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	-0.09	0.075	0.090	0.483	0.579	0.029
	WLAN6GHz	802.11be-EHT320 MCS0	Right Tilted	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	-0.04	0.053	0.064	0.265	0.321	0.016
	WLAN6GHz	802.11be-EHT320 MCS0	Right Tilted	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	-0.04	0.062	0.074	0.409	0.490	0.025
	WLAN6GHz	802.11be-EHT320 MCS0	Left Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	-0.09	0.068	0.082	0.615	0.745	0.037
	WLAN6GHz	802.11be-EHT320 MCS0	Left Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	-0.09	0.065	0.078	0.443	0.531	0.027
	WLAN6GHz	802.11be-EHT320 MCS0	Left Tilted	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	-0.01	0.046	0.056	0.337	0.408	0.020
	WLAN6GHz	802.11be-EHT320 MCS0	Left Tilted	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	-0.01	0.045	0.054	0.318	0.381	0.019
06	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	95	6425	10.81	11.50	1.172	99.2	1.008	-0.04	0.131	0.155	0.925	1.093	0.055
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	95	6425	10.56	11.50	1.242	99.2	1.008	-0.04	0.028	0.035	0.171	0.214	0.011
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	159	6745	10.51	11.50	1.256	99.2	1.008	-0.08	0.118	0.149	0.862	1.091	0.055
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	159	6745	10.88	11.50	1.153	99.2	1.008	-0.08	0.026	0.030	0.154	0.179	0.009
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0803FR	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	-0.06	0.054	0.065	0.377	0.457	0.023
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0803FR	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	-0.06	0.074	0.089	0.471	0.564	0.028
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Extend	31	6105	10.70	11.50	1.202	99.2	1.008	-0.01	0.055	0.067	0.377	0.457	0.023
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Extend	31	6105	10.75	11.50	1.189	99.2	1.008	-0.01	0.073	0.087	0.472	0.566	0.028
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Wireless	31	6105	10.70	11.50	1.202	99.2	1.008	0.05	0.051	0.062	0.354	0.429	0.021
	WLAN6GHz	802.11be-EHT320 MCS0	Right Cheek	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Wireless	31	6105	10.75	11.50	1.189	99.2	1.008	0.05	0.070	0.084	0.448	0.537	0.027

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.01	0.080	0.087
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.02	0.047	0.051
07	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.05	0.265	0.287
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.04	0.115	0.125
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	S0803FR	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.05	0.258	0.280
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	S0703	Extend	78	2480	15.99	16.00	1.002	77	1.082	0.09	0.252	0.273
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	S0703	Wireless	78	2480	15.99	16.00	1.002	77	1.082	0.08	0.255	0.276
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.06	0.158	0.247
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.08	0.058	0.090
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.01	0.029	0.045
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.03	0.023	0.036
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	S0803FR	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.02	0.155	0.242
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	S0703	Extend	0	2402	14.41	16.00	1.442	77	1.082	0.01	0.154	0.240
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	S0703	Wireless	0	2402	14.41	16.00	1.442	77	1.082	-0.02	0.152	0.237
	Bluetooth	S8	Right Cheek	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.08	0.017	0.021
	Bluetooth	S8	Right Tilted	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.04	0.006	0.007
	Bluetooth	S8	Left Cheek	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	-0.02	0.003	0.004
	Bluetooth	S8	Left Tilted	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.01	0.002	0.002
	Bluetooth	S8	Right Cheek	0mm	Ant 7	S0803FR	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	-0.15	0.017	0.021
	Bluetooth	S8	Right Cheek	0mm	Ant 7	S0703	Extend	19	2441	5.94	6.00	1.014	82.93	1.206	0.14	0.017	0.021
	Bluetooth	S8	Right Cheek	0mm	Ant 7	S0703	Wireless	19	2441	5.94	6.00	1.014	82.93	1.206	0	0.016	0.020

**13.2 Body Worn Accessory SAR****<WLAN SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Power State	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	19.32	20.00	1.169	96.7	1.034	-0.05	0.102	0.123
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	19.27	20.00	1.183	96.7	1.034	-0.05	0.054	0.066
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	19.32	20.00	1.169	96.7	1.034	-0.04	0.149	0.180
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	19.27	20.00	1.183	96.7	1.034	-0.04	0.075	0.092
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(6)	S0803FR	Standalone	Standard	1	2412	19.32	20.00	1.169	96.7	1.034	0.01	0.142	0.172
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(7)	S0803FR	Standalone	Standard	1	2412	19.27	20.00	1.183	96.7	1.034	0.01	0.064	0.078
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone	Extend	1	2412	19.32	20.00	1.169	96.7	1.034	0.02	0.145	0.175
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone	Extend	1	2412	19.27	20.00	1.183	96.7	1.034	0.02	0.071	0.087
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone	Wireless	1	2412	19.32	20.00	1.169	96.7	1.034	0.08	0.138	0.167
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone	Wireless	1	2412	19.27	20.00	1.183	96.7	1.034	0.08	0.061	0.075
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	18.30	18.50	1.047	96.7	1.034	0.03	0.086	0.093
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	18.26	18.50	1.057	96.7	1.034	0.03	0.043	0.047
08	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	18.30	18.50	1.047	96.7	1.034	-0.04	0.178	0.193
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	18.26	18.50	1.057	96.7	1.034	-0.04	0.072	0.079
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(6)	S0803FR	DBS	Standard	1	2412	18.30	18.50	1.047	96.7	1.034	0.09	0.162	0.175
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(7)	S0803FR	DBS	Standard	1	2412	18.26	18.50	1.057	96.7	1.034	0.09	0.070	0.077
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(6)	S0703	DBS	Extend	1	2412	18.30	18.50	1.047	96.7	1.034	0.01	0.164	0.178
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(7)	S0703	DBS	Extend	1	2412	18.26	18.50	1.057	96.7	1.034	0.01	0.071	0.078
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(6)	S0703	DBS	Wireless	1	2412	18.30	18.50	1.047	96.7	1.034	0.02	0.158	0.171
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+7(7)	S0703	DBS	Wireless	1	2412	18.26	18.50	1.057	96.7	1.034	0.02	0.068	0.074
	WLAN5GHz	802.11a 6Mbps	Front	15mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0.01	0.075	0.086
	WLAN5GHz	802.11a 6Mbps	Front	15mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	0.01	0.049	0.050
09	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	-0.15	0.277	0.319
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	-0.15	0.030	0.031
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(6)	S0803FR	Standalone / DBS	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0.07	0.255	0.293
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(7)	S0803FR	Standalone / DBS	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	0.07	0.030	0.031
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS	Extend	60	5300	17.94	18.50	1.138	98.9	1.011	-0.11	0.264	0.304
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS	Extend	60	5300	18.46	18.50	1.009	98.9	1.011	-0.11	0.029	0.030
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS	Wireless	60	5300	17.94	18.50	1.138	98.9	1.011	0.02	0.261	0.300
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS	Wireless	60	5300	18.46	18.50	1.009	98.9	1.011	0.02	0.029	0.030
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	16.00	1.406	99.1	1.009	-0.09	0.029	0.041
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	16.00	1.256	99.1	1.009	-0.09	0.008	0.010
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	16.00	1.406	99.1	1.009	-0.04	0.091	0.129
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	16.00	1.256	99.1	1.009	-0.04	0.008	0.010
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	HBS	Standard	50	5250	14.52	16.00	1.406	99.1	1.009	0.02	0.088	0.125
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	HBS	Standard	50	5250	15.01	16.00	1.256	99.1	1.009	0.02	0.007	0.009
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Extend	50	5250	14.52	16.00	1.406	99.1	1.009	-0.02	0.084	0.119
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Extend	50	5250	15.01	16.00	1.256	99.1	1.009	-0.02	0.007	0.009
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Wireless	50	5250	14.52	16.00	1.406	99.1	1.009	0.01	0.088	0.125
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Wireless	50	5250	15.01	16.00	1.256	99.1	1.009	0.01	0.007	0.009
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(6)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.08	0.087	0.110
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(7)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.08	0.083	0.104
10	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	-0.03	0.486	0.612
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	-0.03	0.061	0.077
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.01	0.479	0.603
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.01	0.069	0.087



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	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone	Extend	122	5610	17.05	18.00	1.245	98.9	1.011	0.03	0.484	0.609
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone	Extend	122	5610	17.05	18.00	1.245	98.9	1.011	0.03	0.059	0.074
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone	Wireless	122	5610	17.05	18.00	1.245	98.9	1.011	-0.08	0.454	0.571
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone	Wireless	122	5610	17.05	18.00	1.245	98.9	1.011	-0.08	0.054	0.068
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(6)	S0703	DBS	Standard	114	5570	15.63	16.50	1.222	99.1	1.009	0.01	0.037	0.046
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(7)	S0703	DBS	Standard	114	5570	15.45	16.50	1.274	99.1	1.009	0.01	0.025	0.032
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	DBS	Standard	114	5570	15.63	16.50	1.222	99.1	1.009	-0.02	0.193	0.238
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	DBS	Standard	114	5570	15.45	16.50	1.274	99.1	1.009	-0.02	0.022	0.028
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	DBS	Standard	114	5570	15.63	16.50	1.222	99.1	1.009	0.1	0.190	0.234
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	DBS	Standard	114	5570	15.45	16.50	1.274	99.1	1.009	-0.1	0.021	0.027
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	DBS	Extend	114	5570	15.63	16.50	1.222	99.1	1.009	0.01	0.192	0.237
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	DBS	Extend	114	5570	15.45	16.50	1.274	99.1	1.009	0.01	0.017	0.022
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	DBS	Wireless	114	5570	15.63	16.50	1.222	99.1	1.009	0.06	0.182	0.224
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	DBS	Wireless	114	5570	15.45	16.50	1.274	99.1	1.009	0.06	0.016	0.021
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(6)	S0703	HBS	Standard	114	5570	15.63	16.00	1.089	99.1	1.009	0.01	0.037	0.041
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(7)	S0703	HBS	Standard	114	5570	15.45	16.00	1.135	99.1	1.009	0.01	0.025	0.029
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Standard	114	5570	15.63	16.00	1.089	99.1	1.009	-0.02	0.193	0.212
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Standard	114	5570	15.45	16.00	1.135	99.1	1.009	-0.02	0.022	0.025
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	HBS	Standard	114	5570	15.63	16.00	1.089	99.1	1.009	0.1	0.190	0.209
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	HBS	Standard	114	5570	15.45	16.00	1.135	99.1	1.009	-0.1	0.021	0.024
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Extend	114	5570	15.63	16.00	1.089	99.1	1.009	0.01	0.192	0.211
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Extend	114	5570	15.45	16.00	1.135	99.1	1.009	0.01	0.017	0.019
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Wireless	114	5570	15.63	16.00	1.089	99.1	1.009	0.06	0.182	0.200
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Wireless	114	5570	15.45	16.00	1.135	99.1	1.009	0.06	0.016	0.018
11	WLAN5GHz	802.11a 6Mbps	Front	15mm	Ant 6+7(6)	S0703	Standalone	Standard	149	5745	18.09	20.00	1.552	98.9	1.011	0.06	0.104	0.163
	WLAN5GHz	802.11a 6Mbps	Front	15mm	Ant 6+7(7)	S0703	Standalone	Standard	149	5745	18.98	20.00	1.265	98.9	1.011	0.06	0.103	0.132
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone	Standard	149	5745	18.09	20.00	1.552	98.9	1.011	0.14	0.491	0.770
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone	Standard	149	5745	18.98	20.00	1.265	98.9	1.011	0.14	0.118	0.151
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(6)	S0803FR	Standalone	Standard	149	5745	18.09	20.00	1.552	98.9	1.011	0.05	0.488	0.766
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(7)	S0803FR	Standalone	Standard	149	5745	18.98	20.00	1.265	98.9	1.011	0.05	0.115	0.147
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone	Extend	149	5745	18.09	20.00	1.552	98.9	1.011	-0.14	0.464	0.728
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone	Extend	149	5745	18.98	20.00	1.265	98.9	1.011	-0.14	0.102	0.130
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(6)	S0703	Standalone	Wireless	149	5745	18.09	20.00	1.552	98.9	1.011	0.07	0.477	0.748
	WLAN5GHz	802.11a 6Mbps	Back	15mm	Ant 6+7(7)	S0703	Standalone	Wireless	149	5745	18.98	20.00	1.265	98.9	1.011	0.07	0.102	0.130
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	16.48	18.00	1.419	98.9	1.011	0.05	0.058	0.083
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	17.18	18.00	1.208	98.9	1.011	0.05	0.060	0.073
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	16.48	18.00	1.419	98.9	1.011	-0.01	0.295	0.423
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	17.18	18.00	1.208	98.9	1.011	-0.01	0.102	0.125
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	DBS	Standard	155	5775	16.48	18.00	1.419	98.9	1.011	0.07	0.288	0.413
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	DBS	Standard	155	5775	17.18	18.00	1.208	98.9	1.011	0.07	0.100	0.122
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	DBS	Extend	155	5775	16.48	18.00	1.419	98.9	1.011	-0.14	0.291	0.417
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	DBS	Extend	155	5775	17.18	18.00	1.208	98.9	1.011	-0.14	0.103	0.126
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	DBS	Wireless	155	5775	16.48	18.00	1.419	98.9	1.011	0.02	0.284	0.407
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	DBS	Wireless	155	5775	17.18	18.00	1.208	98.9	1.011	0.02	0.097	0.118
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	15.82	17.00	1.312	98.9	1.011	0.05	0.055	0.073
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	16.60	17.00	1.096	98.9	1.011	0.05	0.055	0.061
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	15.82	17.00	1.312	98.9	1.011	-0.12	0.271	0.359
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	16.60	17.00	1.096	98.9	1.011	-0.12	0.086	0.095
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	HBS	Standard	155	5775	15.82	17.00	1.312	98.9	1.011	0.1	0.268	0.355
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	HBS	Standard	155	5775	16.60	17.00	1.096	98.9	1.011	0.1	0.084	0.093
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Extend	155	5775	15.82	17.00	1.312	98.9	1.011	0.12	0.266	0.353
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Extend	155	5775	16.60	17.00	1.096	98.9	1.011	0.12	0.082	0.091
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Wireless	155	5775	15.82	17.00	1.312	98.9	1.011	-0.1	0.270	0.358
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Wireless	155	5775	16.60	17.00	1.096	98.9	1.011	-0.1	0.085	0.094
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	163	5815	16.20	18.00	1.514	99.1	1.009	0.09	0.076	0.116



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	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	163	5815	17.12	18.00	1.225	99.1	1.009	0.09	0.053	0.066
12	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	163	5815	16.20	18.00	1.514	99.1	1.009	-0.07	0.303	0.463
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	163	5815	17.12	18.00	1.225	99.1	1.009	-0.07	0.096	0.119
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	Standalone / DBS	Standard	163	5815	16.20	18.00	1.514	99.1	1.009	0.1	0.299	0.457
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	Standalone / DBS	Standard	163	5815	17.12	18.00	1.225	99.1	1.009	0.1	0.094	0.116
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS	Extend	163	5815	16.20	18.00	1.514	99.1	1.009	0.02	0.294	0.449
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS	Extend	163	5815	17.12	18.00	1.225	99.1	1.009	0.02	0.092	0.114
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS	Wireless	163	5815	16.20	18.00	1.514	99.1	1.009	-0.15	0.288	0.440
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS	Wireless	163	5815	17.12	18.00	1.225	99.1	1.009	-0.15	0.091	0.112
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	0.09	0.076	0.103
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	0.09	0.053	0.058
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	-0.07	0.303	0.412
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	-0.07	0.096	0.106
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	HBS	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	0.1	0.299	0.407
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	HBS	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	0.1	0.094	0.103
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Extend	163	5815	16.20	17.50	1.349	99.1	1.009	0.02	0.294	0.400
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Extend	163	5815	17.12	17.50	1.091	99.1	1.009	0.02	0.092	0.101
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(6)	S0703	HBS	Wireless	163	5815	16.20	17.50	1.349	99.1	1.009	-0.15	0.288	0.392
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 6+7(7)	S0703	HBS	Wireless	163	5815	17.12	17.50	1.091	99.1	1.009	-0.15	0.091	0.100

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Power State	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)	APD Ratio
	WLAN6GHz	802.11be-EHT320 MCS0	Front	15mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	0.02	0.026	0.032	0.495	0.600	0.030
	WLAN6GHz	802.11be-EHT320 MCS0	Front	15mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.20	1.008	0.02	0.010	0.012	0.23	0.276	0.014
13	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	-0.03	0.068	0.082	0.585	0.709	0.035
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.20	1.008	-0.03	0.034	0.041	0.277	0.332	0.017
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	95	6425	10.81	11.50	1.172	99.20	1.008	-0.04	0.050	0.059	0.428	0.506	0.025
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	95	6425	10.56	11.50	1.242	99.20	1.008	-0.04	0.025	0.031	0.203	0.254	0.013
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	159	6745	10.51	11.50	1.256	99.20	1.008	0.01	0.056	0.071	0.495	0.627	0.031
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	159	6745	10.88	11.50	1.153	99.20	1.008	0.01	0.028	0.033	0.23	0.267	0.013
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(6)	S0803FR	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	-0.14	0.064	0.078	0.58	0.703	0.035
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(7)	S0803FR	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.20	1.008	-0.14	0.032	0.038	0.283	0.339	0.017
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Extend	31	6105	10.70	11.50	1.202	99.20	1.008	0.02	0.063	0.076	0.58	0.703	0.035
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Extend	31	6105	10.75	11.50	1.189	99.20	1.008	0.02	0.033	0.040	0.283	0.339	0.017
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Wireless	31	6105	10.70	11.50	1.202	99.20	1.008	0.08	0.061	0.074	0.58	0.703	0.035
	WLAN6GHz	802.11be-EHT320 MCS0	Back	15mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Wireless	31	6105	10.75	11.50	1.189	99.20	1.008	0.08	0.030	0.036	0.259	0.310	0.016



<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	15mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.1	0.035	0.038
14	Bluetooth	1Mbps	Back	15mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	-0.01	0.049	0.053
	Bluetooth	1Mbps	Back	15mm	Ant 6	S0803FR	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.12	0.039	0.042
	Bluetooth	1Mbps	Back	15mm	Ant 6	S0703	Extend	78	2480	15.99	16.00	1.002	77	1.082	0.08	0.047	0.051
	Bluetooth	1Mbps	Back	15mm	Ant 6	S0703	Wireless	78	2480	15.99	16.00	1.002	77	1.082	-0.17	0.047	0.051
	Bluetooth	1Mbps	Front	15mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	-0.03	0.015	0.023
	Bluetooth	1Mbps	Back	15mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.08	0.022	0.034
	Bluetooth	1Mbps	Back	15mm	Ant 7	S0803FR	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.14	0.021	0.033
	Bluetooth	1Mbps	Back	15mm	Ant 7	S0703	Extend	0	2402	14.41	16.00	1.442	77	1.082	0.11	0.021	0.033
	Bluetooth	1Mbps	Back	15mm	Ant 7	S0703	Wireless	0	2402	14.41	16.00	1.442	77	1.082	-0.05	0.021	0.033
	Bluetooth	S8	Front	15mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.01	0.004	0.005
	Bluetooth	S8	Back	15mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.07	0.006	0.007
	Bluetooth	S8	Back	15mm	Ant 7	S0803FR	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.05	0.005	0.006
	Bluetooth	S8	Back	15mm	Ant 7	S0703	Extend	19	2441	5.94	6.00	1.014	82.93	1.206	-0.02	0.005	0.006
	Bluetooth	S8	Back	15mm	Ant 7	S0703	Wireless	19	2441	5.94	6.00	1.014	82.93	1.206	0.01	0.004	0.005

**13.3 Product Specific SAR****<WLAN SAR>**

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Power State	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	19.32	20.00	1.169	96.7	1.034	-0.01	0.393	0.475
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	19.27	20.00	1.183	96.7	1.034	-0.01	0.554	0.678
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	19.32	20.00	1.169	96.7	1.034	0.01	0.514	0.621
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	19.27	20.00	1.183	96.7	1.034	0.01	0.428	0.524
15	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	19.27	20.00	1.183	96.7	1.034	0.05	0.562	0.687
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	19.32	20.00	1.169	96.7	1.034	0.04	0.514	0.621
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Ant 6+7(6)	S0703	Standalone	Standard	1	2412	19.32	20.00	1.169	96.7	1.034	0	0.483	0.584
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Ant 6+7(7)	S0703	Standalone	Standard	1	2412	19.27	20.00	1.183	96.7	1.034	0	0.163	0.199
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 6+7(7)	S0803FR	Standalone	Standard	1	2412	19.27	20.00	1.183	96.7	1.034	0.08	0.555	0.679
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 6+7(7)	S0703	Standalone	Extend	1	2412	19.27	20.00	1.183	96.7	1.034	0	0.514	0.629
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 6+7(7)	S0703	Standalone	Wireless	1	2412	19.27	20.00	1.183	96.7	1.034	0.02	0.551	0.674
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	18.30	18.50	1.047	96.7	1.034	-0.1	0.310	0.336
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	18.26	18.50	1.057	96.7	1.034	-0.1	0.438	0.479
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	18.30	18.50	1.047	96.7	1.034	0.18	0.406	0.440
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	18.26	18.50	1.057	96.7	1.034	0.18	0.338	0.369
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	18.26	18.50	1.057	96.7	1.034	-0.02	0.444	0.485
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	18.30	18.50	1.047	96.7	1.034	-0.12	0.304	0.329
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Ant 6+7(6)	S0703	DBS	Standard	1	2412	18.30	18.50	1.047	96.7	1.034	0.01	0.382	0.414
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Ant 6+7(7)	S0703	DBS	Standard	1	2412	18.26	18.50	1.057	96.7	1.034	0.01	0.129	0.141
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 6+7(7)	S0803FR	DBS	Standard	1	2412	18.26	18.50	1.057	96.7	1.034	-0.02	0.442	0.483
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 6+7(7)	S0703	DBS	Extend	1	2412	18.26	18.50	1.057	96.7	1.034	0.01	0.438	0.479
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 6+7(7)	S0703	DBS	Wireless	1	2412	18.26	18.50	1.057	96.7	1.034	0.01	0.439	0.480
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	-0.01	0.166	0.191
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	-0.01	0.297	0.303
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0.05	0.792	0.911
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	0.05	0.187	0.191
	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	-0.01	0.835	0.852
16	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	-0.02	1.160	1.335
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0.08	0.155	0.178
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	60	5300	18.46	18.50	1.009	98.9	1.011	0.08	0.253	0.258
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0803FR	Standalone / DBS	Standard	60	5300	17.94	18.50	1.138	98.9	1.011	0	1.160	1.335
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Extend	60	5300	17.94	18.50	1.138	98.9	1.011	0.01	1.140	1.312
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Wireless	60	5300	17.94	18.50	1.138	98.9	1.011	0.02	1.130	1.300
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	16.00	1.406	99.1	1.009	0.19	0.056	0.079
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	16.00	1.256	99.1	1.009	0.19	0.101	0.128
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	16.00	1.406	99.1	1.009	-0.18	0.268	0.380
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	16.00	1.256	99.1	1.009	-0.18	0.063	0.080
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	16.00	1.256	99.1	1.009	-0.15	0.283	0.359
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	16.00	1.406	99.1	1.009	0	0.393	0.558
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	HBS	Standard	50	5250	14.52	16.00	1.406	99.1	1.009	-0.15	0.053	0.075
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	HBS	Standard	50	5250	15.01	16.00	1.256	99.1	1.009	-0.15	0.086	0.109
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	HBS	Standard	50	5250	14.52	16.00	1.406	99.1	1.009	0.08	0.375	0.532
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Extend	50	5250	14.52	16.00	1.406	99.1	1.009	0.08	0.379	0.538
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Wireless	50	5250	14.52	16.00	1.406	99.1	1.009	-0.02	0.388	0.550
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(6)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.08	0.093	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.08	0.166	0.209



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	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(6)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.03	0.816	1.027
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.03	0.193	0.243
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	-0.08	0.379	0.477
17	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	-0.16	1.240	1.561
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.1	0.121	0.152
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.1	0.197	0.248
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	Standalone	Standard	122	5610	17.05	18.00	1.245	98.9	1.011	0.1	1.150	1.447
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Extend	122	5610	17.05	18.00	1.245	98.9	1.011	0.12	1.230	1.548
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Wireless	122	5610	17.05	18.00	1.245	98.9	1.011	0.08	1.200	1.510
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(6)	S0703	DBS	Standard	114	5570	15.63	16.50	1.222	99.1	1.009	-0.09	0.071	0.088
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(7)	S0703	DBS	Standard	114	5570	15.45	16.50	1.274	99.1	1.009	-0.09	0.127	0.163
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(6)	S0703	DBS	Standard	114	5570	15.63	16.50	1.222	99.1	1.009	0.13	0.624	0.769
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(7)	S0703	DBS	Standard	114	5570	15.45	16.50	1.274	99.1	1.009	0.13	0.147	0.189
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	DBS	Standard	114	5570	15.45	16.50	1.274	99.1	1.009	0.03	0.290	0.373
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	DBS	Standard	114	5570	15.63	16.50	1.222	99.1	1.009	0.15	0.914	1.127
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	DBS	Standard	114	5570	15.63	16.50	1.222	99.1	1.009	0.18	0.093	0.115
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	DBS	Standard	114	5570	15.45	16.50	1.274	99.1	1.009	0.18	0.151	0.194
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	DBS	Standard	114	5570	15.63	16.50	1.222	99.1	1.009	0.08	0.863	1.064
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	DBS	Extend	114	5570	15.63	16.50	1.222	99.1	1.009	0.02	0.900	1.110
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	DBS	Wireless	114	5570	15.63	16.50	1.222	99.1	1.009	-0.02	0.899	1.108
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(6)	S0703	HBS	Standard	114	5570	15.63	16.00	1.089	99.1	1.009	-0.09	0.071	0.078
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(7)	S0703	HBS	Standard	114	5570	15.45	16.00	1.135	99.1	1.009	-0.09	0.127	0.145
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(6)	S0703	HBS	Standard	114	5570	15.63	16.00	1.089	99.1	1.009	0.13	0.624	0.686
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(7)	S0703	HBS	Standard	114	5570	15.45	16.00	1.135	99.1	1.009	0.13	0.147	0.168
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	HBS	Standard	114	5570	15.45	16.00	1.135	99.1	1.009	0.03	0.290	0.332
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Standard	114	5570	15.63	16.00	1.089	99.1	1.009	0.15	0.914	1.004
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	HBS	Standard	114	5570	15.63	16.00	1.089	99.1	1.009	0.18	0.093	0.102
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	HBS	Standard	114	5570	15.45	16.00	1.135	99.1	1.009	0.18	0.151	0.173
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	HBS	Standard	114	5570	15.63	16.00	1.089	99.1	1.009	0.08	0.863	0.948
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Extend	114	5570	15.63	16.00	1.089	99.1	1.009	0.02	0.900	0.989
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Wireless	114	5570	15.63	16.00	1.089	99.1	1.009	-0.02	0.899	0.988
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 6+7(6)	S0703	Standalone	Standard	149	5745	18.09	20.00	1.552	98.9	1.011	-0.03	0.277	0.435
	WLAN5GHz	802.11a 6Mbps	Front	0mm	Ant 6+7(7)	S0703	Standalone	Standard	149	5745	18.98	20.00	1.265	98.9	1.011	-0.03	0.495	0.633
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 6+7(6)	S0703	Standalone	Standard	149	5745	18.09	20.00	1.552	98.9	1.011	-0.07	1.160	1.820
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 6+7(7)	S0703	Standalone	Standard	149	5745	18.98	20.00	1.265	98.9	1.011	-0.07	0.274	0.350
	WLAN5GHz	802.11a 6Mbps	Left Edge	0mm	Ant 6+7(7)	S0703	Standalone	Standard	149	5745	18.98	20.00	1.265	98.9	1.011	0.08	0.405	0.518
18	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Standard	149	5745	18.09	20.00	1.552	98.9	1.011	0.03	1.580	2.479
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Standard	157	5785	18.05	20.00	1.567	98.9	1.011	0.02	1.480	2.345
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Standard	165	5825	18.04	20.00	1.570	98.9	1.011	0.01	1.400	2.222
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 6+7(6)	S0703	Standalone	Standard	149	5745	18.09	20.00	1.552	98.9	1.011	-0.07	0.204	0.320
	WLAN5GHz	802.11a 6Mbps	Top Edge	0mm	Ant 6+7(7)	S0703	Standalone	Standard	149	5745	18.98	20.00	1.265	98.9	1.011	-0.07	0.332	0.425
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0803FR	Standalone	Standard	149	5745	18.09	20.00	1.552	98.9	1.011	0.04	1.520	2.385
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Extend	149	5745	18.09	20.00	1.552	98.9	1.011	0.02	1.540	2.416
	WLAN5GHz	802.11a 6Mbps	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone	Wireless	149	5745	18.09	20.00	1.552	98.9	1.011	0.09	1.550	2.432
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	16.48	18.00	1.419	98.9	1.011	-0.08	0.181	0.260
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	17.18	18.00	1.208	98.9	1.011	-0.08	0.323	0.394
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	16.48	18.00	1.419	98.9	1.011	-0.18	0.756	1.085
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	17.18	18.00	1.208	98.9	1.011	-0.18	0.179	0.219
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	17.18	18.00	1.208	98.9	1.011	0.12	0.264	0.322
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	16.48	18.00	1.419	98.9	1.011	0.02	1.030	1.478
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	DBS	Standard	155	5775	16.48	18.00	1.419	98.9	1.011	0.08	0.133	0.191
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	DBS	Standard	155	5775	17.18	18.00	1.208	98.9	1.011	0.08	0.216	0.264
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	DBS	Standard	155	5775	16.48	18.00	1.419	98.9	1.011	-0.03	0.991	1.422
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	DBS	Extend	155	5775	16.48	18.00	1.419	98.9	1.011	0.09	0.994	1.426
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	DBS	Wireless	155	5775	16.48	18.00	1.419	98.9	1.011	0.02	0.988	1.417
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	15.82	17.00	1.312	98.9	1.011	0.01	0.164	0.218



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	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	16.60	17.00	1.096	98.9	1.011	0.01	0.292	0.324
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	15.82	17.00	1.312	98.9	1.011	-0.17	0.685	0.909
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	16.60	17.00	1.096	98.9	1.011	-0.17	0.162	0.180
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	16.60	17.00	1.096	98.9	1.011	-0.01	0.239	0.265
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	15.82	17.00	1.312	98.9	1.011	0.03	0.933	1.238
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	HBS	Standard	155	5775	15.82	17.00	1.312	98.9	1.011	-0.08	0.120	0.159
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	HBS	Standard	155	5775	16.60	17.00	1.096	98.9	1.011	-0.08	0.196	0.217
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	HBS	Standard	155	5775	15.82	17.00	1.312	98.9	1.011	0.06	0.898	1.191
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Extend	155	5775	15.82	17.00	1.312	98.9	1.011	0.08	0.928	1.231
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Wireless	155	5775	15.82	17.00	1.312	98.9	1.011	-0.02	0.924	1.226
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	163	5815	16.20	18.00	1.514	99.1	1.009	0.14	0.119	0.182
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	163	5815	17.12	18.00	1.225	99.1	1.009	0.14	0.213	0.263
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	163	5815	16.20	18.00	1.514	99.1	1.009	-0.05	0.595	0.909
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	163	5815	17.12	18.00	1.225	99.1	1.009	-0.05	0.140	0.173
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	163	5815	17.12	18.00	1.225	99.1	1.009	0.14	0.231	0.286
19	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	163	5815	16.20	18.00	1.514	99.1	1.009	-0.01	1.040	1.589
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Standard	163	5815	16.20	18.00	1.514	99.1	1.009	-0.17	0.154	0.235
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	Standalone / DBS	Standard	163	5815	17.12	18.00	1.225	99.1	1.009	-0.17	0.246	0.304
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	Standalone / DBS	Standard	163	5815	16.20	18.00	1.514	99.1	1.009	-0.05	1.010	1.543
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Extend	163	5815	16.20	18.00	1.514	99.1	1.009	0.02	1.020	1.558
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS	Wireless	163	5815	16.20	18.00	1.514	99.1	1.009	0.02	0.998	1.525
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	0.14	0.119	0.162
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	0.14	0.213	0.234
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	-0.05	0.595	0.810
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	-0.05	0.140	0.154
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	0.14	0.231	0.254
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	-0.01	1.040	1.416
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	HBS	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	-0.17	0.154	0.210
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	HBS	Standard	163	5815	17.12	17.50	1.091	99.1	1.009	-0.17	0.246	0.271
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	HBS	Standard	163	5815	16.20	17.50	1.349	99.1	1.009	-0.05	1.010	1.375
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Extend	163	5815	16.20	17.50	1.349	99.1	1.009	0.02	1.020	1.388
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	HBS	Wireless	163	5815	16.20	17.50	1.349	99.1	1.009	0.02	0.998	1.358



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Power State	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m ²)	Reported APD (W/m ²)	APD Ratio
	WLAN6GHz	802.11be-EHT320 MCS0	Front	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	-0.02	0.042	0.051	1.01	1.224	0.061
	WLAN6GHz	802.11be-EHT320 MCS0	Front	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	-0.02	0.030	0.036	0.772	0.925	0.046
	WLAN6GHz	802.11be-EHT320 MCS0	Back	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	0.01	0.149	0.181	3.54	4.289	0.214
	WLAN6GHz	802.11be-EHT320 MCS0	Back	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	0.01	0.034	0.041	0.824	0.988	0.049
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	0.05	0.048	0.058	1.13	1.354	0.068
20	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	-0.08	0.239	0.290	5.68	6.882	0.344
	WLAN6GHz	802.11be-EHT320 MCS0	Top Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	-0.09	0.040	0.048	0.944	1.144	0.057
	WLAN6GHz	802.11be-EHT320 MCS0	Top Edge	0mm	Ant 6+7(7)	S0703	Standalone / DBS / HBS	Standard	31	6105	10.75	11.50	1.189	99.2	1.008	-0.09	0.037	0.044	0.826	0.990	0.050
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	95	6425	10.81	11.50	1.172	99.2	1.008	-0.01	0.175	0.207	4.17	4.926	0.246
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Standard	159	6745	10.51	11.50	1.256	99.2	1.008	0.02	0.189	0.239	4.5	5.697	0.285
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant 6+7(6)	S0803FR	Standalone / DBS / HBS	Standard	31	6105	10.70	11.50	1.202	99.2	1.008	0.01	0.229	0.277	5.4	6.543	0.327
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Extend	31	6105	10.70	11.50	1.202	99.2	1.008	-0.04	0.231	0.280	5.45	6.603	0.330
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	0mm	Ant 6+7(6)	S0703	Standalone / DBS / HBS	Wireless	31	6105	10.70	11.50	1.202	99.2	1.008	0.02	0.233	0.282	5.49	6.652	0.333

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	Bluetooth	1Mbps	Front	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.08	0.128	0.139
	Bluetooth	1Mbps	Back	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	-0.01	0.156	0.169
	Bluetooth	1Mbps	Left Edge	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.01	0.013	0.014
	Bluetooth	1Mbps	Right Edge	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	0.03	0.117	0.127
	Bluetooth	1Mbps	Top Edge	0mm	Ant 6	S0703	Standard	78	2480	15.99	16.00	1.002	77	1.082	-0.08	0.066	0.072
	Bluetooth	1Mbps	Back	0mm	Ant 6	S0803FR	Standard	78	2480	15.99	16.00	1.002	77	1.082	-0.08	0.155	0.168
	Bluetooth	1Mbps	Back	0mm	Ant 6	S0703	Extend	78	2480	15.99	16.00	1.002	77	1.082	0.1	0.149	0.162
	Bluetooth	1Mbps	Back	0mm	Ant 6	S0703	Wireless	78	2480	15.99	16.00	1.002	77	1.082	-0.18	0.151	0.164
	Bluetooth	1Mbps	Front	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.08	0.105	0.164
	Bluetooth	1Mbps	Back	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.01	0.099	0.154
21	Bluetooth	1Mbps	Left Edge	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.03	0.114	0.178
	Bluetooth	1Mbps	Right Edge	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	0.03	0.007	0.011
	Bluetooth	1Mbps	Top Edge	0mm	Ant 7	S0703	Standard	0	2402	14.41	16.00	1.442	77	1.082	-0.08	0.041	0.064
	Bluetooth	1Mbps	Left Edge	0mm	Ant 7	S0803FR	Standard	0	2402	14.41	16.00	1.442	77	1.082	-0.08	0.111	0.173
	Bluetooth	1Mbps	Left Edge	0mm	Ant 7	S0703	Extend	0	2402	14.41	16.00	1.442	77	1.082	0.1	0.113	0.176
	Bluetooth	1Mbps	Left Edge	0mm	Ant 7	S0703	Wireless	0	2402	14.41	16.00	1.442	77	1.082	-0.18	0.112	0.175
	Bluetooth	S8	Front	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.01	0.025	0.031
	Bluetooth	S8	Back	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	-0.08	0.023	0.028
	Bluetooth	S8	Left Edge	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	-0.06	0.027	0.033
	Bluetooth	S8	Right Edge	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.05	0.002	0.002
	Bluetooth	S8	Top Edge	0mm	Ant 7	S0703	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.15	0.010	0.012
	Bluetooth	S8	Left Edge	0mm	Ant 7	S0803FR	Standard	19	2441	5.94	6.00	1.014	82.93	1.206	0.01	0.026	0.032
	Bluetooth	S8	Left Edge	0mm	Ant 7	S0703	Extend	19	2441	5.94	6.00	1.014	82.93	1.206	0.04	0.026	0.032
	Bluetooth	S8	Left Edge	0mm	Ant 7	S0703	Wireless	19	2441	5.94	6.00	1.014	82.93	1.206	-0.02	0.026	0.032

<NFC SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Scanner	Battery	Freq. (MHz)	Power Drift (dB)	Measured 10g SAR (W/kg)
22	NFC	ASK	Front	0mm	S0703	Standard	13.56	0.16	0.062
	NFC	ASK	Back	0mm	S0703	Standard	13.56	0	0.001
	NFC	ASK	Left Edge	0mm	S0703	Standard	13.56	0	0.001
	NFC	ASK	Right Edge	0mm	S0703	Standard	13.56	0	0.001
	NFC	ASK	Top Edge	0mm	S0703	Standard	13.56	0	0.001
	NFC	ASK	Bottom Edge	0mm	S0703	Standard	13.56	0	0.001
	NFC	ASK	Front	0mm	S0803FR	Standard	13.56	0.07	0.058
	NFC	ASK	Front	0mm	S0703	Extend	13.56	0.08	0.059
	NFC	ASK	Front	0mm	S0703	Wireless	13.56	0.01	0.060

13.4 6GHz PD Test Result

Band	Mode	Test Position	Gap (mm)	Antenna	Battery	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (A)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant 6+7(6)	Standard	31	6105	10.70	0.0625	2.39	1.159468112	3.65	3.81
WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	9.83mm	Ant 6+7(6)	Standard	31	6105	10.70	0.25	1.83		1.65	1.68
WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant 6+7(6)	Standard	95	6425	10.81	0.0625	3.4	0.675859281	3.33	3.47
WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	9.34mm	Ant 6+7(6)	Standard	95	6425	10.81	0.25	2.91		1.35	1.73

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Battery	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	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	0.0625	1.5535	0.1	1.3	2.45	1.36	2.56
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(7)	Standard	31	6105	10.75	11.50	1.189	99.20	1.008	0.0625	1.5535	0.1	1.3	2.42	1.36	2.53
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Standard	63	6265	10.95	11.50	1.135	99.20	1.008	0.0625	1.5535	0.08	1.31	2.33	1.42	2.52
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(7)	Standard	63	6265	10.46	11.50	1.271	99.20	1.008	0.0625	1.5535	0.01	1.31	2.61	1.42	2.83
1	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Standard	95	6425	10.81	11.50	1.172	99.20	1.008	0.0625	1.5535	0.03	1.66	3.05	1.8	3.30
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(7)	Standard	95	6425	10.56	11.50	1.242	99.20	1.008	0.0625	1.5535	0.03	1.66	3.23	1.8	3.50
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Standard	95	6425	10.81	11.50	1.172	99.20	1.008	0.0625	1.5535	0.12	1.41	2.59	1.54	2.83
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Standard	95	6425	10.56	11.50	1.242	99.20	1.008	0.0625	1.5535	0.12	1.41	2.74	1.54	2.99
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Extend	95	6425	10.81	11.50	1.172	99.20	1.008	0.0625	1.5535	-0.02	1.44	2.64	1.62	2.97
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Extend	95	6425	10.56	11.50	1.242	99.20	1.008	0.0625	1.5535	-0.02	1.44	2.80	1.62	3.15
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Wireless	95	6425	10.81	11.50	1.172	99.20	1.008	0.0625	1.5535	0.08	1.4	2.57	1.61	2.96
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Wireless	95	6425	10.56	11.50	1.242	99.20	1.008	0.0625	1.5535	0.08	1.4	2.72	1.61	3.13
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(6)	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	0.0625	1.5535	0.1	1.3	2.45	1.36	2.56
	WLAN6GHz	802.11be-EHT320 MCS0	Front	2mm	Ant 6+7(7)	Standard	31	6105	10.75	11.50	1.189	99.20	1.008	0.0625	1.5535	0.1	1.3	2.42	1.36	2.53
	WLAN6GHz	802.11be-EHT320 MCS0	Back	2mm	Ant 6+7(6)	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	0.0625	1.5535	0.02	2.83	5.33	2.96	5.57
	WLAN6GHz	802.11be-EHT320 MCS0	Back	2mm	Ant 6+7(7)	Standard	31	6105	10.75	11.50	1.189	99.20	1.008	0.0625	1.5535	0.02	2.83	5.27	2.96	5.51
	WLAN6GHz	802.11be-EHT320 MCS0	Left Edge	2mm	Ant 6+7(7)	Standard	31	6105	10.75	11.50	1.189	99.20	1.008	0.0625	1.5535	0.08	2.21	4.11	2.31	4.30
2	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant 6+7(6)	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	0.0625	1.5535	0.07	3.65	6.87	3.81	7.17
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant 6+7(6)	Standard	63	6265	10.95	11.50	1.135	99.20	1.008	0.0625	1.5535	-0.05	3.14	5.58	3.55	6.31
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant 6+7(6)	Standard	95	6425	10.81	11.50	1.172	99.20	1.008	0.0625	1.5535	0.01	3.33	6.11	3.47	6.37
	WLAN6GHz	802.11be-EHT320 MCS0	Top Edge	2mm	Ant 6+7(6)	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	0.0625	1.5535	-0.02	2.01	3.78	2.1	3.95
	WLAN6GHz	802.11be-EHT320 MCS0	Top Edge	2mm	Ant 6+7(7)	Standard	31	6105	10.75	11.50	1.189	99.20	1.008	0.0625	1.5535	-0.02	2.01	3.74	2.1	3.91
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant 6+7(6)	Standard	31	6105	10.70	11.50	1.202	99.20	1.008	0.0625	1.5535	0.05	3.54	6.66	3.74	7.04
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant 6+7(6)	Extend	31	6105	10.70	11.50	1.202	99.20	1.008	0.0625	1.5535	0.05	3.49	6.57	3.66	6.89
	WLAN6GHz	802.11be-EHT320 MCS0	Right Edge	2mm	Ant 6+7(6)	Wireless	31	6105	10.70	11.50	1.202	99.20	1.008	0.0625	1.5535	0.06	3.48	6.55	3.65	6.87

14. Simultaneous Transmission Analysis

Standalone				
NO.	Simultaneous Transmission Configurations	Head	Body-worn	Product Specific
1.	WLAN2.4GHz Ant 6+7(6) + Bluetooth Ant 7	Yes	Yes	Yes
2.	WLAN2.4GHz Ant 6+7(7) + Bluetooth Ant 6	Yes	Yes	Yes
3.	WLAN5/6GHz Ant 6+7 + Bluetooth Ant 6	Yes	Yes	Yes
4.	WLAN5/6GHz Ant 6+7 + Bluetooth Ant 7	Yes	Yes	Yes

DBS				
NO.	Simultaneous Transmission Configurations	Head	Body-worn	Product Specific
1.	WLAN2.4GHz Ant 6+7 + WLAN5/6GHz Ant 6+7	Yes	Yes	Yes

HBS				
1.	Simultaneous Transmission Configurations	Head	Body-worn	Product Specific
2.	WLAN5GHz LB Ant 6+7 + WLAN5GHz HB Ant 6+7	Yes	Yes	Yes
3.	WLAN5GHz LB Ant 6+7 + WLAN6GHz Ant 6+7	Yes	Yes	Yes

General Note:

- The worst case reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission.
- The Scaled SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation < 1.6W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, 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.
 - If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

14.1 Head Exposure Conditions

(Standalone)

Exposure Position	1	2	3	4	5	1+5 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 6+7(6) 1g SAR (W/kg)	WLAN2.4GHz Ant 6+7(7) 1g SAR (W/kg)	WLAN5/6GHz Ant 6+7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)				
Right Cheek	0.418	0.619	0.656	0.087	0.247	0.665	0.706	0.743	0.903
Right Tilted	0.332	0.242	0.429	0.051	0.090	0.422	0.293	0.480	0.519
Left Cheek	0.809	0.331	0.441	0.287	0.045	0.854	0.618	0.728	0.486
Left Tilted	0.413	0.066	0.386	0.125	0.036	0.449	0.191	0.511	0.422

(DBS)

Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 6+7	WLAN5/6GHz Ant 6+7	
	1g SAR (W/kg)	1g SAR (W/kg)	
Right Cheek	0.189	0.466	0.655
Right Tilted	0.102	0.295	0.397
Left Cheek	0.230	0.418	0.648
Left Tilted	0.127	0.276	0.403

(HBS)

Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
	WLAN5GHz LB Ant 6+7 1g SAR (W/kg)	WLAN5GHz HB Ant 6+7 1g SAR (W/kg)	WLAN6GHz Ant 6+7 1g SAR (W/kg)		
Right Cheek	0.203	0.471	0.209	0.674	0.412
Right Tilted	0.110	0.331	0.074	0.441	0.184
Left Cheek	0.202	0.418	0.082	0.620	0.284
Left Tilted	0.107	0.287	0.056	0.394	0.163

14.2 Body-Worn Accessory Exposure Conditions

(Standalone)

Exposure Position	1	2	3	4	5	1+5 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 6+7(6) 1g SAR (W/kg)	WLAN2.4GHz Ant 6+7(7) 1g SAR (W/kg)	WLAN5/6GHz Ant 6+7 1g SAR (W/kg)	Bluetooth Ant 6 1g SAR (W/kg)	Bluetooth Ant 7 1g SAR (W/kg)				
Front	0.123	0.066	0.163	0.038	0.023	0.146	0.104	0.201	0.186
Back	0.180	0.092	0.770	0.053	0.034	0.214	0.145	0.823	0.804

(DBS)

Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 6+7	WLAN5/6GHz Ant 6+7	
	1g SAR (W/kg)	1g SAR (W/kg)	
Front	0.093	0.116	0.209
Back	0.193	0.463	0.656

(HBS)

Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
	WLAN5GHz LB Ant 6+7 1g SAR (W/kg)	WLAN5GHz HB Ant 6+7 1g SAR (W/kg)	WLAN6GHz Ant 6+7 1g SAR (W/kg)		
Front	0.041	0.103	0.032	0.144	0.073
Back	0.129	0.412	0.082	0.541	0.211

14.3 Product Specific Exposure Conditions

(Standalone)

Exposure Position	1	2	3	4	5	6	7	1+6+7 Summed 10g SAR (W/kg)	2+5+7 Summed 10g SAR (W/kg)	4+5+7 Summed 10g SAR (W/kg)	4+6+7 Summed 10g SAR (W/kg)	3+7 Summed 10g SAR (W/kg)
	WLAN2.4GHz Ant 6+7(6)	WLAN2.4GHz Ant 6+7(7)	WLAN2.4GHz Ant 6+7	WLAN5/6GHz Ant 6+7	Bluetooth Ant 6	Bluetooth Ant 7	NFC					
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)					
Front	0.475	0.678	0.678	0.633	0.139	0.164	0.062	0.701	0.879	0.834	0.859	0.740
Back	0.621	0.524	0.621	1.820	0.169	0.154	0.001	0.776	0.694	1.990	1.975	0.622
Left side		0.687	0.687	0.852	0.014	0.178	0.001	0.179	0.702	0.867	1.031	0.688
Right side	0.621		0.621	2.479	0.127	0.011	0.001	0.633	0.128	2.607	2.491	0.622
Top side	0.584	0.199	0.584	0.425	0.072	0.064	0.001	0.649	0.272	0.498	0.490	0.585

(DBS)

Exposure Position	1	2	3	1+2+3 Summed 10g SAR (W/kg)
	WLAN2.4GHz Ant 6+7	WLAN5/6GHz Ant 6+7	NFC	
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Front	0.479	0.394	0.062	0.935
Back	0.440	1.085	0.001	1.526
Left side	0.485	0.852	0.001	1.338
Right side	0.329	1.589	0.001	1.919
Top side	0.414	0.304	0.001	0.719
Bottom side			0.001	0.001

(HBS)

Exposure Position	1	2	3	4	1+2+4 Summed 10g SAR (W/kg)	1+3+4 Summed 10g SAR (W/kg)
	WLAN5GHz LB Ant 6+7	WLAN5GHz HB Ant 6+7	WLAN6GHz Ant 6+7	NFC		
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
Front	0.128	0.324	0.051	0.062	0.514	0.241
Back	0.380	0.909	0.181	0.001	1.290	0.562
Left side	0.359	0.332	0.058	0.001	0.692	0.418
Right side	0.558	1.416	0.290	0.001	1.975	0.849
Top side	0.109	0.271	0.048	0.001	0.381	0.158

Test Engineer : Sing Lim and Teddy Chang

15. 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 ≤ 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 and highest measured 10-g SAR is less 3.75W/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/√3	1/√6	1/√2

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

(b) k is the coverage factor

Standard Uncertainty for Assumed Distribution

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

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

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

Applicable for SAR Measurements:

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

Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance 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

16. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
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- [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 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.
- [8] FCC KDB 865664 D01 v01r04, “SAR Measurement Requirements for 100 MHz to 6 GHz”, Aug 2015.
- [9] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.
- [10] 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
- [11] SPEAG DASY6 System Handbook
- [12] SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)