FCC SAR Test Report

APPLICANT	**:**	**Meta Platforms Technologies, LLC**
EQUIPMENT	**:**	**SMART GLASSES**
MODEL NAME	**:**	**JN3**
FCC ID	**:**	**2AGOZ-JN3**
STANDARD	**:**	**FCC 47 CFR PART 2 (2.1093)**

We, Sporton International Inc. (Shenzhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Shenzhen), the test report shall not be reproduced except in full.

Hank Huang

Approved by: Hank Huang

ilac-MRA
A2LA ACCREDITED Cert #5145.01

Sporton International Inc. (Shenzhen)
1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA522809	Rev. 01	Initial issue of report	May 26, 2025

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for **Meta Platforms Technologies, LLC, SMART GLASSES, JN3,** are as follows.

Highest 1g SAR Summary								
Equipment Class	Frequency Band		Head		Body			Highest Simultaneous Transmission 1g SAR (W/kg)
			Face-Worn (Separation 0mm)	Rest-on-Head (Separation 0mm)	Rest-on-Shirt (Separation 0mm)	Pocketing (outside Charging Case) (Separation 5mm)	Pocketing(inside Charging Case) (Separation 5mm)	
			1g SAR (W/kg)					
DTS	WLAN	2.4GHz WLAN	**1.09**	0.22	**1.02**	<0.10	0.18	-
NII		5GHz WLAN	0.78	0.25	0.30	<0.10	**0.69**	1.09
DSS	2.4GHz Band	Bluetooth	0.32	<0.10	0.79	<0.10	<0.10	1.09

Highest 10g SAR Summary				
Equipment Class	Frequency Band		Extremity	Highest Simultaneous Transmission 10g SAR (W/kg)
			Handheld(inside Charging Case) (Separation 0mm)	
			10g SAR (W/kg)	
DTS	WLAN	2.4GHz WLAN	0.45	-
NII		5GHz WLAN	**0.46**	0.48
DSS	2.4GHz Band	Bluetooth	<0.10	0.48
Date of Testing:			2025/3/7 ~ 2025/4/30	

Declaration of Conformity:
The test results with all measurement uncertainty excluded are 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.

This device is in compliance with Specific Absorption Rate (SAR) for 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) 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.

2. Administration Data

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Testing Laboratory			
Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	SAR05-SZ	CN1256	421272

Applicant	
Company Name	Meta Platforms Technologies, LLC
Address	1 Hacker Way, Menlo Park, CA 94025, USA

Manufacturer	
Company Name	Meta Platforms Technologies, LLC
Address	1 Hacker Way, Menlo Park, CA 94025, USA

3. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- TCB workshop October, 2016; RF Exposure Procedures (Bluetooth Duty Factor)
- TCB workshop April 2019; RF Exposure Procedures (802.11ax SAR Testing)

4. *Equipment Under Test (EUT) Information*

4.1 *General Information*

Product Feature & Specification	
Equipment Name	SMART GLASSES
Model Name	JN3
FCC ID	2AGOZ-JN3
S/N	Sample 1: 2Y0YB6GH1F000Q Sample 2: 2Y0YW06H370006
Wireless Technology and Frequency Range	WLAN 2.4GHz Band: 2412 MHz ~ 2472 MHz WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Mode	WLAN 2.4GHz 802.11b/g/n HT20 WLAN 2.4GHz 802.11ac/ax VHT20/HE20 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac/ax VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	EVT2
EUT Stage	Identical Prototype

Remark:

1. Power States and the related triggering mechanisms are following as, the detailed Sensor Fusion Algorithm and Power State Decision Logic Flow, Exposure Condition and SAR Requirement summary please refer to KDB inquiry with the FCC.

Power State	Exposure Condition
A	Face-Worn
	Rest-on-Head
B	Rest- on-Shirt
	Pocketing
C	Pocketing/Handheld (in Charging Case)
D	Free Space/Off Body

2. There are two samples of EUT. The manufacturer declares that all the equipment and models share the same radio characteristics and Software/Firmware, the only differences between each of them are color of frames, lenses, and sizes which certainly do not affect the test results. Therefore, choose sample 1 to perform full test, and the sample 2 are verified the difference with the sample 1.

Sample	Model Name
Sample 1	Standard
Sample 2	Large

3. According to the user case, Power State D is not applicable and the MPE evaluation is performed at a distance of 20 cm from the human body during operation and MPE evaluation report will be separately submitted.

5. RF Exposure Limits

5.1 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.

5.2 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

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.

6. Specific Absorption Rate (SAR)

6.1 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.

6.2 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:

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

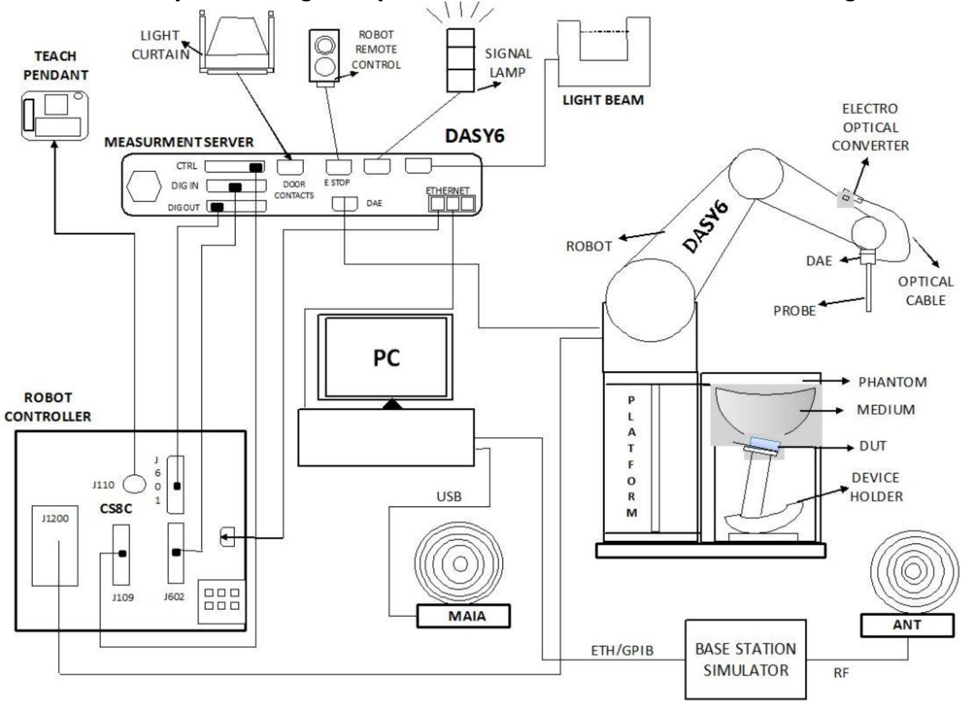
SAR is expressed in units of Watts per kilogram (W/kg)

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

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

7. System Description and Setup

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



- 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 Win7 or Win10 and the DASY5 or DASY6 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.

7.1 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.

<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	10 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 µW/g – >100 mW/g Linearity: ±0.2 dB (noise: typically <1 µW/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	

7.2 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.

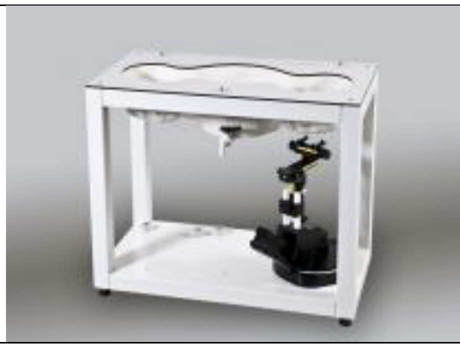
The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

Photo of DAE

7.3 Phantom

<SAM Twin Phantom>

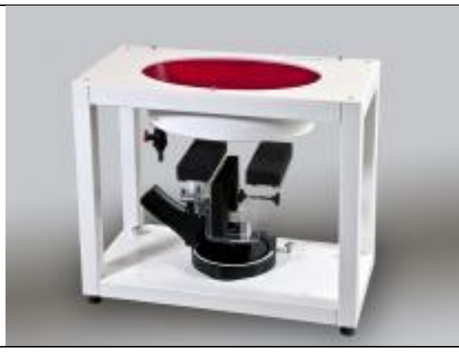
Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet
Measurement Areas	Left Hand, Right Hand, Flat Phantom



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 or for evaluating transmitters operating at low frequencies. ELI is fully compatible with standard and all known tissue simulating liquids.

<SAM Head-Stand Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 10 liters
Measurement Areas	The top-head or around-the-head wireless accessories (head-belts and similar wireless head accessories etc.)

The Head-Stand phantom is a SAM phantom with the top of the head facing downward. It is truncated along a plane above the bottom of the ear reference point. Above this plane, an upper extension is added to ensure that the tissue simulating liquid is deep enough to measure in the relevant regions of the SAM phantom. The upper extension is flanged to allow better measurement probe access for the top of the head (bottom of the head-stand phantom).

7.4 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

8. Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

(a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
(b) Read the WWAN RF power level from the base station simulator.
(c) For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band
(d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/BT output power

<SAR measurement>

(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

8.1 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 form 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

8.2 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.

8.3 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	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
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 ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

8.4 Zoom Scan

Zoom scans are used 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 shoes 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.

<table>
<tr><td colspan="3"></td><td>≤ 3 GHz</td><td>> 3 GHz</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}</td><td>≤ 2 GHz: ≤ 8 mm
2 – 3 GHz: ≤ 5 mm*</td><td>3 – 4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="3">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2">uniform grid: $\Delta z_{Zoom}(n)$</td><td>≤ 5 mm</td><td>3 – 4 GHz: ≤ 4 mm
4 – 5 GHz: ≤ 3 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="2">graded grid</td><td>$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface</td><td>≤ 4 mm</td><td>3 – 4 GHz: ≤ 3 mm
4 – 5 GHz: ≤ 2.5 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td>$\Delta z_{Zoom}(n>1)$: between subsequent points</td><td colspan="2">$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$</td></tr>
<tr><td>Minimum zoom scan volume</td><td colspan="2">x, y, z</td><td>≥ 30 mm</td><td>3 – 4 GHz: ≥ 28 mm
4 – 5 GHz: ≥ 25 mm
5 – 6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">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 <u>reported</u> SAR from the area scan based 1-g SAR estimation 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.</td></tr>
</table>

8.5 Volume Scan Procedures

The volume scan is used for 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.

8.6 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.

9. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	2450MHz System Validation Kit	D2450V2	924	Nov. 03, 2023	Nov. 01, 2025
SPEAG	5000MHz System Validation Kit	D5GHzV2	1341	Dec. 12, 2024	Dec. 11, 2025
SPEAG	Data Acquisition Electronics	DAE4	1210	Dec. 17, 2024	Dec. 16, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7641	Jun. 03, 2024	Jun. 02, 2025
SPEAG	SAM Twin Phantom	QD 000 P41 AA	2033	NCR	NCR
SPEAG	SAM Head-Stand	QD 012 003 CC	1024	NCR	NCR
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR
Keysight	Network Analyzer	E5071C	MY46523671	Oct. 15, 2024	Oct. 14, 2025
Speag	Dielectric Assessment KIT	DAK-3.5	1071	Feb. 24, 2025	Feb. 23, 2026
Agilent	Signal Generator	N5181A	MY50145381	Dec. 26, 2024	Dec. 25, 2025
Anritsu	Power Senor	MA2411B	1306099	Oct. 15, 2024	Oct. 14, 2025
Anritsu	Power Meter	ML2495A	1349001	Oct. 15, 2024	Oct. 14, 2025
Anritsu	Power Sensor	MA2411B	1218010	Oct. 14, 2024	Oct. 13, 2025
Anritsu	Power Meter	ML2495A	1339473	Dec. 26, 2024	Dec. 25, 2025
R&S	Spectrum Analyzer	FSP7	100818	Jul. 04, 2024	Jul. 03, 2025
TES	Hygrometer	1310	200505600	Jul. 08, 2024	Jul. 07, 2025
Anymetre	Thermo-Hygrometer	JR593	2015030903	Dec. 28, 2024	Dec. 27, 2025
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Mini-Circuits	Amplifier	ZVA-183W-S+	726202215	Note 1	
ET Industries	Dual Directional Coupler	C-058-10	N/A	Note 1	
Weinschel	Attenuator 1	3M-10	N/A	Note 1	
Weinschel	Attenuator 2	3M-20	N/A	Note 1	

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.

10. System Verification

10.1 Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 10.1. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 10.2.

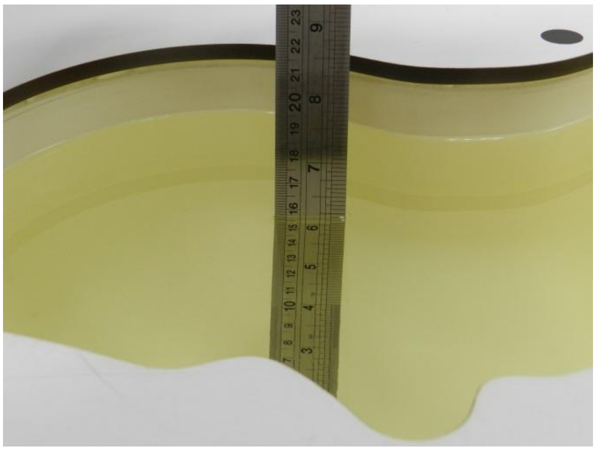


Fig 10.1Photo of Liquid Height for Head SAR

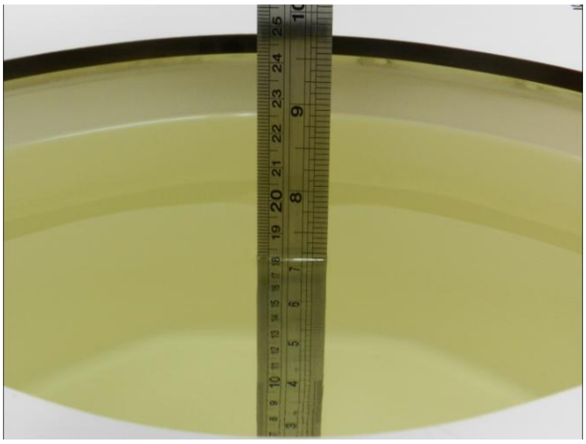


Fig 10.2 Photo of Liquid Height for Body SAR

10.2 Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity (σ)	Permittivity (εr)
For Head								
2450	55.0	0	0	0	0	45.0	1.80	39.2

Simulating Liquid for 5GHz, Manufactured by SPEAG

Ingredients	(% by weight)
Water	64~78%
Mineral oil	11~18%
Emulsifiers	9~15%
Additives and Salt	2~3%

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Tissue Type	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (ε_r)	Conductivity Target (σ)	Permittivity Target (ε_r)	Delta (σ) (%)	Delta (ε_r) (%)	Limit (%)	Date
2450	Head	22.5	1.82	39.2	1.80	39.20	0.94	-0.04	±5	2025/3/12
2450	Head	22.3	1.84	39.8	1.80	39.20	2.22	1.44	±5	2025/3/23
5250	Head	22.5	4.62	35.8	4.71	35.95	-1.93	-0.41	±5	2025/3/15
5600	Head	22.1	4.97	35.3	5.07	35.50	-2.07	-0.55	±5	2025/3/19
5800	Head	22.6	5.20	35.0	5.27	35.30	-1.42	-0.81	±5	2025/3/24
5800	Head	22.1	5.39	36.0	5.27	35.30	2.35	1.98	±5	2025/4/8
2450	Head	22.3	1.740	40.418	1.80	39.20	-3.33	3.11	±5	2025/4/18
2450	Head	22.6	1.777	39.531	1.80	39.20	-1.28	0.84	±5	2025/4/28
5250	Head	22.5	4.566	34.717	4.71	35.95	-3.06	-3.43	±5	2025/4/29
5600	Head	22.4	4.946	34.092	5.07	35.50	-2.45	-3.97	±5	2025/4/27
5800	Head	22.6	5.183	33.843	5.27	35.30	-1.65	-4.13	±5	2025/4/30
2450	Head	22.2	1.85	39.7	1.80	39.20	2.72	1.16	±5	2025/3/7
2450	Head	22.1	1.85	38.7	1.80	39.20	2.89	-1.40	±5	2025/4/8
5250	Head	22.2	4.57	34.9	4.71	35.95	-2.91	-2.96	±5	2025/3/10
5250	Head	22.4	4.72	36.7	4.71	35.95	0.30	2.04	±5	2025/4/15
5600	Head	22.3	4.93	34.3	5.07	35.50	-2.72	-3.28	±5	2025/3/10
5800	Head	22.4	5.21	34.0	5.27	35.30	-1.16	-3.63	±5	2025/3/10

Frequency (MHz)	Tissue Type	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Limit (%)	Date
2450	Head	22.2	1.85	39.7	1.80	39.20	2.72	1.16	±5	2025/3/7
2450	Head	22.1	1.85	38.7	1.80	39.20	2.89	-1.40	±5	2025/4/8
5800	Head	22.4	5.21	34.0	5.27	35.30	-1.16	-3.63	±5	2025/3/10
5800	Head	22.1	5.34	35.6	5.27	35.30	1.40	0.86	±5	2025/4/15

10.3 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)	Tissue Type	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 (%)
2025/3/12	2450	Head	250	924	7641	1210	13.600	52.300	54.4	4.02	6.150	24.500	24.6	0.41
2025/3/23	2450	Head	250	924	7641	1210	13.200	52.300	52.8	0.96	6.090	24.500	24.36	-0.57
2025/3/15	5250	Head	100	1341	7641	1210	7.950	79.100	79.5	0.51	2.280	22.400	22.8	1.79
2025/3/19	5600	Head	100	1341	7641	1210	8.880	82.800	88.8	7.25	2.510	23.800	25.1	5.46
2025/3/24	5800	Head	100	1341	7641	1210	8.120	79.900	81.2	1.63	2.310	22.900	23.1	0.87
2025/4/8	5800	Head	100	1341	7641	1210	8.320	79.900	83.2	4.13	2.390	22.900	23.9	4.37
2025/4/18	2450	Head	250	924	7641	1210	12.300	52.300	49.2	-5.93	5.810	24.500	23.24	-5.14
2025/4/28	2450	Head	250	924	7641	1210	12.900	52.300	51.6	-1.34	5.990	24.500	23.96	-2.20
2025/4/29	5250	Head	100	1341	7641	1210	8.230	79.100	82.3	4.05	2.260	22.400	22.6	0.89
2025/4/27	5600	Head	100	1341	7641	1210	8.280	82.800	82.8	0.00	2.240	23.800	22.4	-5.88
2025/4/30	5800	Head	100	1341	7641	1210	8.440	79.900	84.4	5.63	2.390	22.900	23.9	4.37
2025/3/7	2450	Head	250	924	7641	1210	12.900	52.300	51.6	-1.34	5.870	24.500	23.48	-4.16
2025/4/8	2450	Head	250	924	7641	1210	13.500	52.300	54	3.25	6.130	24.500	24.52	0.08
2025/3/10	5250	Head	100	1341	7641	1210	8.120	79.100	81.2	2.65	2.340	22.400	23.4	4.46
2025/4/15	5250	Head	100	1341	7641	1210	8.360	79.100	83.6	5.69	2.380	22.400	23.8	6.25
2025/3/10	5600	Head	100	1341	7641	1210	8.670	82.800	86.7	4.71	2.370	23.800	23.7	-0.42
2025/3/10	5800	Head	100	1341	7641	1210	8.340	79.900	83.4	4.38	2.410	22.900	24.1	5.24

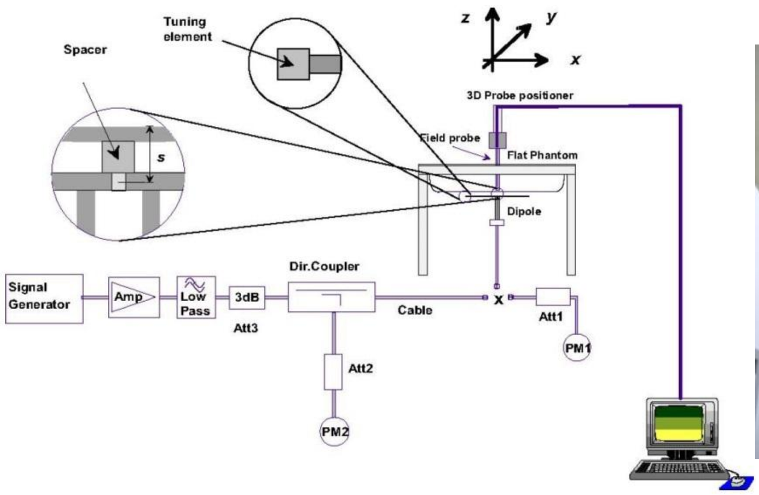


Fig 10.3.1 System Performance Check Setup

Fig 10.3.2 Setup Photo

10.4 Additional System Check on SAM Head-Stand phantom

When using DASY6 with Head-Stand phantom, additional system verifications were performed using the Head-Stand phantom itself. As recommended by the SAR system manufacture and confirmed as appropriate through KDB inquiry with the FCC, i.e. the Head-Stand Phantoms, is performed according to the validation points described in the SPEAG's DASY SAR manual. The locations of the nine points are shown in Figure below.

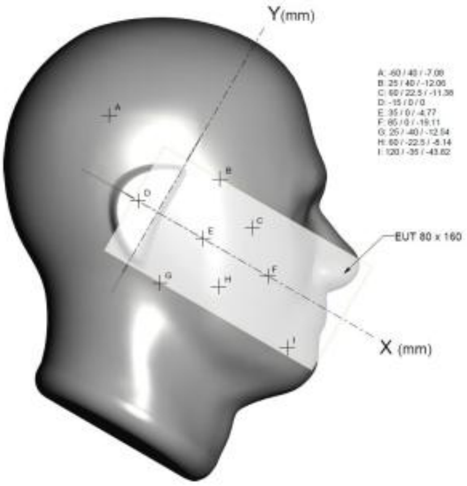


Fig 10.4.1 System check and validation locations for the head phantom

The target values vary slightly based on what angle the dipole is oriented in. The three possible dipole arm orientations for which target values are defined are shown below. The dipoles were placed in the orientation defined as 90º.

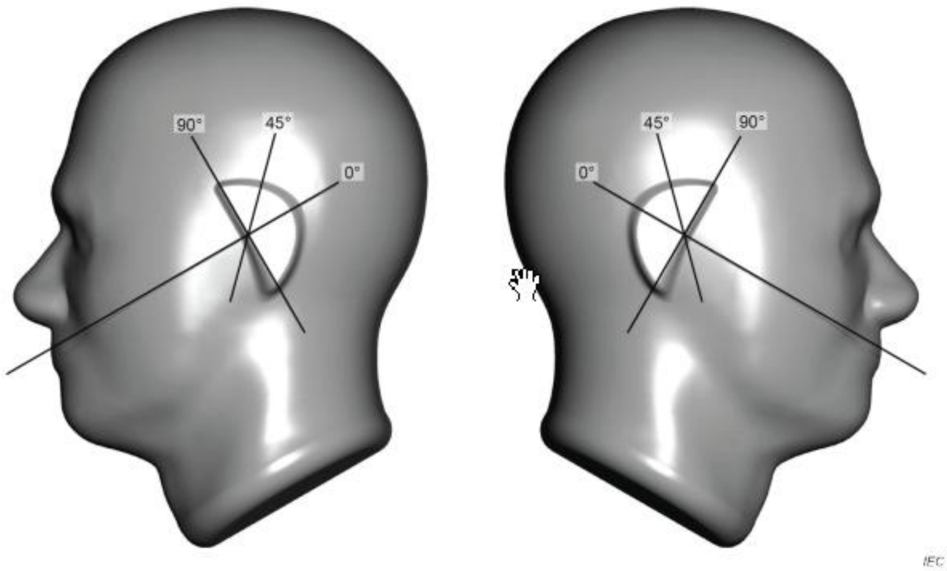


Fig 10.4.2 Definition of rotation angles for dipoles

Point C (on left face) was chosen as it is the closest point to the portion of the phantom which is utilized for the EUT measurements. Since SPEAG dipole calibration does not provide system check target values for specific phantoms, the target values in Table 7.4.4 from SPEAG's DASY6/DASY8 SAR Manual (shown in Fig. 10.4.3) are used and tabulated in Table below. The detailed please refer to KDB inquiry with the FCC.

Point	Freq [MHz]	Rot [°]	d [mm]	Meas [W/kg]		Target [W/kg]		Dev [dB]		Probe Angle [°]	
				1 g	10 g	1 g	10 g	1 g	10 g	Max	Avg
A	835	90	15	9.04	5.89	9.00	6.02	0.02	−0.09	45.0	38.1
B	835	90	15	9.52	6.25	9.70	6.37	−0.08	−0.09	45.0	41.4
C	900	90	15	11.3	7.22	11.2	7.25	0.06	−0.02	50.0	39.9
A	1950	90	10	45.8	23.8	41.0	21.1	0.48	0.52	45.0	36.4
B	1950	90	10	46.2	23.8	41.7	21.2	0.44	0.51	45.0	41.4
B	1950	90	5	75.6	34.8	77.2	34.2	−0.09	0.07	45.0	41.9
A	2450	0	10	60.9	27.9	54.6	24.6	0.47	0.55	45.0	39.9
B	2450	90	10	60.1	27.7	53.8	24.3	0.48	0.57	45.0	41.8
C	2450	90	10	51.0	23.5	54.8	24.9	−0.31	−0.25	45.0	39.6
C	5800	90	25	19.0	6.78	17.1	5.97	0.45	0.55	40.0	39.4

Fig 10.4.3 Target Values for System Check on SAM Head-Stand Phantom

As confirmed as appropriate through KDB inquiry with the FCC and confirmation with the manufacturer, since SPEAG has not yet developed the specific phantom SAR system check target values for the 7 GHz band. Only the system checks using the Head Stand Phantom are to be performed using one frequency in the 2.4 GHz band and one frequency in the 5 GHz band.

2.4GHz Dipole Placed at Location C in 90º Orientation (10mm Spacer)

5GHz Dipole Placed at Location C in 90º Orientation (25mm Spacer)

10.5 System Performance Check Results on SAM Head-Stand phantom

Below table shows the target SAR and measured SAR after normalized to 1W input power. The dipole target values please refer to Fig. 10.4.3 in section 10.4. 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)	Tissue Type	Input Power (mW)	Probe S/N	DAE S/N	Dipole S/N	Distance (mm)	Point	Rot [°]	Measured 1g SAR (w/kg)	Targeted 1g SAR (w/kg)	Normalized 1g SAR (w/kg)	Deviation (dB)	Measured 10g SAR (w/kg)	Targeted 10g SAR (w/kg)	Normalized 10g SAR (w/kg)	Deviation (dB)
2025/3/7	2450	Head	250	7641	1210	924	10	C(Left Face)	90	12.5	54.8	50	-0.40	5.83	24.9	23.32	-0.28
2025/4/8	2450	Head	250	7641	1210	924	10	C(Left Face)	90	14.2	54.8	56.8	0.16	6.51	24.9	26.04	0.19
2025/3/10	5800	Head	100	7641	1210	1341	25	C(Left Face)	90	1.63	17.1	16.3	-0.21	0.581	5.97	5.81	-0.12
2025/4/15	5800	Head	100	7641	1210	1341	25	C(Left Face)	90	1.74	17.1	17.4	0.08	0.592	5.97	5.92	-0.04

Note: The Expanded Uncertainty for measurement on a specific phantom of the measuring system (DASY6/DASY8). To be conservative, the smaller Expanded Uncertainty, which is from DASY6 – 1g SAR: 29.8%, 1.1 dB (k=2) – is used. Target values in Fig. 10.4.3 have an uncertainty of 0.4 dB (k=2). The Combined Uncertainty of target values (0.4 dB) and system uncertainty (1.1 dB) is 1.2 dB (k=2). All deviations between normalized SAR values and target values should be within this 1.2 dB measurement uncertainty to demonstrate a successful system check on the SAM Head-Stand Phantom.

11. RF Exposure Positions

11.1 Head SAR Testing for SMART GLASSES

The device was mounted on the SAM Head-Stand Phantom as it is intended to be worn, the detailed please refer to KDB inquiry with the FCC.

11.2 Body SAR Testing for SMART GLASSES

a) To position the device parallel to the phantom surface to 0mm with the Device's antenna is located on the left temple arm outer edge in Rest-on-Shirt exposure condition.

b) To position the device parallel to the phantom surface to 5mm with the Device's antenna is located on the left temple arm in Pocketing (outside Charging Case) exposure condition.

c) To position the device parallel to the phantom surface to 5mm with the EUT's top or bottom in Pocketing(inside Charging Case) exposure condition.

11.3 Extremity SAR Testing for SMART GLASSES

a) The device shall be placed directly against the flat phantom, for those sides of the device that are in contact with the hand during intended use.

b) To adjust the device parallel to the flat phantom.

c) To adjust the distance between the device surface and the flat phantom to 0cm.

<EUT Setup Photos>

Please refer to Appendix D for the test setup photos.

12. Conducted RF Output Power (Unit: dBm)

The detailed conducted power table can refer to Appendix E.

<WLAN Conducted Power>

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/ax 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. 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
7. 802.11 ax supports both full tone size mode and partial tone size mode, after verification on partial tone size mode that partial size tone mode power will not be higher than full tone size mode, therefore, full tone mode power was

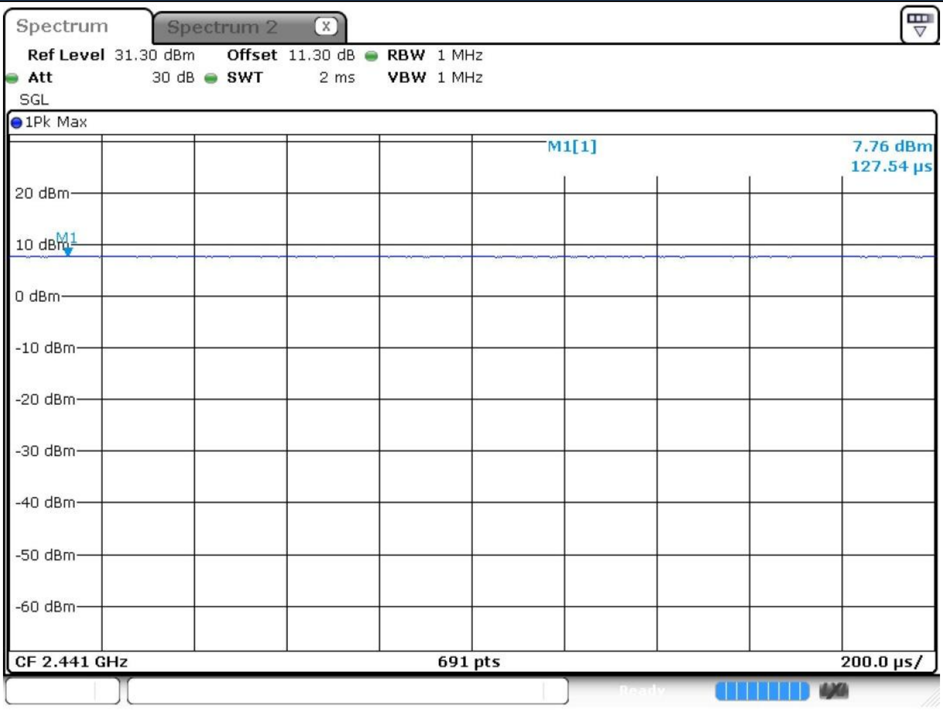
chosen to be measured in this report.

<2.4GHz Bluetooth>

General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle is 100% as following figure, according to Oct. 2016 TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to100% for Bluetooth reported SAR calculation.

Bluetooth time-domain plot



13. Antenna Location

The detailed antenna location information can refer to SAR Test Setup Photos.

14. 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/Bluetooth 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 when the measured SAR is ≥ 0.8W/kg. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The device head SAR is performed against SAM Head-Stand Phantom. Device Body and extremity SAR is performed against flat section of SAM Twin phantom.
5. The following table “n/a” in the result means the SAR is too small to be detected.
6. The detailed Power Verification Data of Hall Sensor Power State and Exposure Condition can be referred to Appendix F

WLAN/Bluetooth 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, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

14.1 Face-Worn SAR

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
01	Bluetooth	DH5 1Mbps	On the Front of the Face	0mm	Ant 1	A	78	2480	1	8.30	10.00	1.479	100	1.000	0.13	0.215	0.318
	Bluetooth	DH5 1Mbps	On the Front of the Face	0mm	Ant 1	A	78	2480	2	8.30	10.00	1.479	100	1.000	0.16	0.196	0.290
	Bluetooth	DH5 1Mbps	On the Front of the Face	0mm	Ant 1	A	39	2441	1	8.00	10.00	1.585	100	1.000	0.04	0.180	0.285
	Bluetooth	DH5 1Mbps	On the Front of the Face	0mm	Ant 1	A	0	2402	1	8.10	10.00	1.549	100	1.000	-0.15	0.202	0.313
	Bluetooth	DH5 1Mbps	On the Front of the Face	0mm	Ant 1	A	0	2402	1	8.10	10.00	1.549	100	1.000	-0.16	0.185	0.287
02	WLAN2.4GHz	802.11b 1Mbps	On the Front of the Face	0mm	Ant 1	A	6	2437	1	13.30	14.25	1.245	100	1.000	-0.09	0.875	1.089
	WLAN2.4GHz	802.11b 1Mbps	On the Front of the Face	0mm	Ant 1	A	6	2437	2	13.30	14.25	1.245	100	1.000	0.05	0.620	0.772
	WLAN2.4GHz	802.11b 1Mbps	On the Front of the Face	0mm	Ant 1	A	1	2412	1	13.30	14.25	1.245	100	1.000	0.13	0.866	1.078
	WLAN2.4GHz	802.11b 1Mbps	On the Front of the Face	0mm	Ant 1	A	11	2462	1	13.20	14.25	1.274	100	1.000	0.07	0.842	1.072
	WLAN2.4GHz	802.11b 1Mbps	On the Front of the Face	0mm	Ant 1	A	12	2467	1	13.10	14.25	1.303	100	1.000	0.12	0.817	1.065
	WLAN2.4GHz	802.11b 1Mbps	On the Front of the Face	0mm	Ant 1	A	13	2472	1	13.00	14.25	1.334	100	1.000	-0.02	0.814	1.085
03	WLAN5.3GHz	802.11ac-VHT160 MCS0	On the Front of the Face	0mm	Ant 1	A	50	5250	1	13.02	14.00	1.253	100	1.000	-0.09	0.619	0.776
	WLAN5.3GHz	802.11ac-VHT160 MCS0	On the Front of the Face	0mm	Ant 1	A	50	5250	2	13.02	14.00	1.253	100	1.000	-0.01	0.579	0.726
04	WLAN5.5GHz	802.11ac-VHT160 MCS0	On the Front of the Face	0mm	Ant 1	A	114	5570	1	13.21	13.75	1.132	100	1.000	-0.13	0.637	0.721
05	WLAN5.8GHz	802.11ac-VHT80 MCS0	On the Front of the Face	0mm	Ant 1	A	155	5775	1	12.00	13.25	1.334	100	1.000	-0.09	0.527	0.703

14.2 Rest-on-Head SAR Test

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
06	Bluetooth	DH5 1Mbps	On of the head	0mm	Ant 1	A	78	2480	1	8.30	10.00	1.479	100	1.000	0.05	0.043	0.064
	Bluetooth	DH5 1Mbps	On of the head	0mm	Ant 1	A	78	2480	2	8.30	10.00	1.479	100	1.000	-0.04	0.035	0.052
	Bluetooth	DH5 1Mbps	On of the head	0mm	Ant 1	A	39	2441	1	8.00	10.00	1.585	100	1.000	0.1	0.029	0.046
	Bluetooth	DH5 1Mbps	On of the head	0mm	Ant 1	A	0	2402	1	8.10	10.00	1.549	100	1.000	0.11	0.035	0.054
07	WLAN2.4GHz	802.11b 1Mbps	On of the head	0mm	Ant 1	A	6	2437	1	13.30	14.25	1.245	100	1.000	-0.02	0.173	0.215
	WLAN2.4GHz	802.11b 1Mbps	On of the head	0mm	Ant 1	A	6	2437	2	13.30	14.25	1.245	100	1.000	0.15	0.110	0.137
	WLAN2.4GHz	802.11b 1Mbps	On of the head	0mm	Ant 1	A	1	2412	1	13.30	14.25	1.245	100	1.000	-0.17	0.164	0.204
	WLAN2.4GHz	802.11b 1Mbps	On of the head	0mm	Ant 1	A	11	2462	1	13.20	14.25	1.274	100	1.000	0.01	0.151	0.192
	WLAN2.4GHz	802.11b 1Mbps	On of the head	0mm	Ant 1	A	12	2467	1	13.10	14.25	1.303	100	1.000	0.16	0.148	0.193
	WLAN2.4GHz	802.11b 1Mbps	On of the head	0mm	Ant 1	A	13	2472	1	13.00	14.25	1.334	100	1.000	0.06	0.148	0.197
08	WLAN5.3GHz	802.11ac-VHT160 MCS0	On of the head	0mm	Ant 1	A	50	5250	1	13.02	14.00	1.253	100	1.000	-0.05	0.197	0.247
	WLAN5.3GHz	802.11ac-VHT160 MCS0	On of the head	0mm	Ant 1	A	50	5250	2	13.02	14.00	1.253	100	1.000	-0.15	0.109	0.137
09	WLAN5.5GHz	802.11ac-VHT160 MCS0	On of the head	0mm	Ant 1	A	114	5570	1	13.21	13.75	1.132	100	1.000	0.13	0.133	0.151
10	WLAN5.8GHz	802.11ac-VHT80 MCS0	On of the head	0mm	Ant 1	A	155	5775	1	12.00	13.25	1.334	100	1.000	-0.13	0.097	0.129

14.3 Rest-on-Shirt SAR Test

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
11	Bluetooth	DH5 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	78	2480	1	8.30	10.00	1.479	100	1.000	0.14	0.533	**0.788**
	Bluetooth	DH5 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	78	2480	2	8.30	10.00	1.479	100	1.000	-0.04	0.425	0.629
	Bluetooth	DH5 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	39	2441	1	8.00	10.00	1.585	100	1.000	-0.15	0.432	0.685
	Bluetooth	DH5 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	0	2402	1	8.10	10.00	1.549	100	1.000	0.17	0.452	0.700
	WLAN2.4GHz	802.11b 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	1	2412	1	10.80	11.50	1.175	100	1.000	-0.01	0.870	1.022
	WLAN2.4GHz	802.11b 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	6	2437	1	10.70	11.50	1.202	100	1.000	-0.17	0.839	1.009
	WLAN2.4GHz	802.11b 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	11	2462	1	10.60	11.50	1.230	100	1.000	0.11	0.823	1.013
12	WLAN2.4GHz	802.11b 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	12	2467	1	10.50	11.50	1.259	100	1.000	0.09	0.813	**1.024**
	WLAN2.4GHz	802.11b 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	12	2467	2	10.50	11.50	1.259	100	1.000	0.07	0.612	0.770
	WLAN2.4GHz	802.11b 1Mbps	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	13	2472	1	10.50	11.50	1.259	100	1.000	0.06	0.803	1.011
13	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	50	5250	1	2.02	3.00	1.253	100	1.000	0.04	0.130	**0.163**
14	WLAN5.5GHz	802.11ac-VHT160 MCS0	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	114	5570	1	1.97	2.25	1.067	100	1.000	0.09	0.236	**0.252**
15	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	155	5775	1	1.78	2.25	1.114	100	1.000	0.04	0.266	**0.296**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Temple Arm Outer Edge Touching Phantom	0mm	Ant 1	B	155	5775	2	1.78	2.25	1.114	100	1.000	-0.03	0.203	0.226

14.4 Pocketing (outside Charging Case)SAR Test

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
16	Bluetooth	DH5 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	78	2480	1	8.30	10.00	1.479	100	1.000	0.09	0.010	**0.015**
	Bluetooth	DH5 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	78	2480	2	8.30	10.00	1.479	100	1.000	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	39	2441	1	8.00	10.00	1.585	100	1.000	-0.11	0.005	0.008
	Bluetooth	DH5 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	0	2402	1	8.10	10.00	1.549	100	1.000	0.16	0.007	0.011
	WLAN2.4GHz	802.11b 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	1	2412	1	10.80	11.50	1.175	100	1.000	-0.06	0.013	0.016
	WLAN2.4GHz	802.11b 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	6	2437	1	10.70	11.50	1.202	100	1.000	-0.08	0.014	0.017
17	WLAN2.4GHz	802.11b 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	11	2462	1	10.60	11.50	1.230	100	1.000	-0.16	0.016	**0.019**
	WLAN2.4GHz	802.11b 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	11	2462	2	10.60	11.50	1.230	100	1.000	-0.18	0.006	0.008
	WLAN2.4GHz	802.11b 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	12	2467	1	10.50	11.50	1.259	100	1.000	-0.1	0.014	0.018
	WLAN2.4GHz	802.11b 1Mbps	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	13	2472	1	10.50	11.50	1.259	100	1.000	-0.02	0.013	0.016
18	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	50	5250	1	2.02	3.00	1.253	100	1.000	-	n/a	**n/a**
19	WLAN5.5GHz	802.11ac-VHT160 MCS0	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	114	5570	1	1.97	2.25	1.067	100	1.000	-	n/a	**n/a**
20	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	155	5775	1	1.78	2.25	1.114	100	1.000	-	n/a	**n/a**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Lens Kept 5mm Distance from Phantom	5mm	Ant 1	B	155	5775	2	1.78	2.25	1.114	100	1.000	-	n/a	n/a

14.5 Pocketing(inside Charging Case)SAR Test

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Front	5mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Left Side	5mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	-0.02	0.004	0.006
	Bluetooth	DH5 1Mbps	Right Side	5mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	0.02	0.002	0.003
	Bluetooth	DH5 1Mbps	Top Side	5mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	0.14	0.003	0.004
	Bluetooth	DH5 1Mbps	Bottom Side	5mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Left Side	5mm	Ant 1	C	0	2402	1	8.10	10.00	1.549	100	1.000	-0.14	0.003	0.005
	Bluetooth	DH5 1Mbps	Left Side	5mm	Ant 1	C	39	2441	1	8.00	10.00	1.585	100	1.000	-0.03	0.005	0.008
21	Bluetooth	DH5 1Mbps	Left Side	5mm	Ant 1	C	39	2441	2	8.00	10.00	1.585	100	1.000	-0.02	0.010	**0.016**
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	-0.03	0.028	0.040
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	0.06	0.104	0.150
22	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 1	C	1	2412	2	16.40	18.00	1.445	100	1.000	0.11	0.122	**0.176**
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	-0.07	0.038	0.055
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	-0.13	0.069	0.100
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	5mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	-0.12	0.036	0.052
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 1	C	6	2437	1	16.30	18.00	1.479	100	1.000	0.15	0.092	0.136
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 1	C	11	2462	1	16.30	18.00	1.479	100	1.000	-0.02	0.092	0.136
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 1	C	12	2467	1	16.20	18.00	1.514	100	1.000	0.11	0.091	0.138
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Ant 1	C	13	2472	1	15.00	17.00	1.585	100	1.000	0.01	0.093	0.147
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	5mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	0.06	0.018	0.026
23	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Side	5mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	0.04	0.273	**0.399**
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	5mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	-0.16	0.162	0.237
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Top Side	5mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	-0.08	0.179	0.262
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Bottom Side	5mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	0.16	0.019	0.028
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	-0.14	0.015	0.023
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	0.17	0.290	0.452
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	0.08	0.121	0.189
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	-0.09	0.209	0.326
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Bottom Side	5mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	-0.16	0.029	0.045
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 1	C	106	5530	1	15.58	17.50	1.556	100	1.000	-0.07	0.259	0.403
24	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 1	C	138	5690	1	16.05	18.00	1.567	100	1.000	-0.16	0.346	**0.542**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	0.01	0.028	0.044
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	0.15	0.367	0.574
25	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Ant 1	C	155	5775	2	16.06	18.00	1.563	100	1.000	0.12	0.441	**0.689**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	0.11	0.160	0.250
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	-0.05	0.225	0.352
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Bottom Side	5mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	0.09	0.021	0.033

14.6 Handheld(inside Charging Case) SAR Test

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Front	0mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	0.17	0.002	0.003
	Bluetooth	DH5 1Mbps	Back	0mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Left Side	0mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	0.04	0.009	0.013
	Bluetooth	DH5 1Mbps	Right Side	0mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	-0.1	0.008	0.012
	Bluetooth	DH5 1Mbps	Top Side	0mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	0.12	0.006	0.009
	Bluetooth	DH5 1Mbps	Bottom Side	0mm	Ant 1	C	78	2480	1	8.30	10.00	1.479	100	1.000	-	n/a	n/a
	Bluetooth	DH5 1Mbps	Left Side	0mm	Ant 1	C	0	2402	1	8.10	10.00	1.549	100	1.000	0.18	0.008	0.012
26	Bluetooth	DH5 1Mbps	Left Side	0mm	Ant 1	C	39	2441	1	8.00	10.00	1.585	100	1.000	0.02	0.010	**0.016**
	Bluetooth	DH5 1Mbps	Left Side	0mm	Ant 1	C	39	2441	2	8.00	10.00	1.585	100	1.000	0.08	0.009	0.014
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	-0.11	0.027	0.039
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	-	n/a	n/a
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	-0.15	0.203	0.293
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	0.01	0.087	0.126
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	0.08	0.066	0.095
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Ant 1	C	1	2412	1	16.40	18.00	1.445	100	1.000	-0.01	0.027	0.039
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 1	C	6	2437	1	16.30	18.00	1.479	100	1.000	-0.09	0.222	0.328
27	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 1	C	6	2437	2	16.30	18.00	1.479	100	1.000	-0.12	0.301	**0.445**
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 1	C	11	2462	1	16.30	18.00	1.479	100	1.000	0.03	0.132	0.195
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 1	C	12	2467	1	16.20	18.00	1.514	100	1.000	-0.02	0.184	0.278
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 1	C	13	2472	1	15.00	17.00	1.585	100	1.000	-0.18	0.197	0.312
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	0.06	0.018	0.026
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	-0.17	0.014	0.020
28	WLAN5.3GHz	802.11ac-VHT160 MCS0	Left Side	0mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	-0.12	0.231	**0.338**
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Right Side	0mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	0.03	0.172	0.251
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Top Side	0mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	0.02	0.159	0.232
	WLAN5.3GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Ant 1	C	50	5250	1	16.35	18.00	1.462	100	1.000	-0.07	0.014	0.020
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	-0.12	0.016	0.025
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	-0.11	0.007	0.011
29	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	0.02	0.223	**0.348**
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	-0.14	0.178	0.278
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	-0.02	0.168	0.262
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Ant 1	C	122	5610	1	16.07	18.00	1.560	100	1.000	-0.06	0.021	0.033
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 1	C	106	5530	1	15.58	17.50	1.556	100	1.000	-0.02	0.195	0.303
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 1	C	138	5690	1	16.05	18.00	1.567	100	1.000	-0.16	0.208	0.326
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	-0.16	0.026	0.041
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	0.06	0.002	0.003
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	0.05	0.244	0.381
30	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 1	C	155	5775	2	16.06	18.00	1.563	100	1.000	0.01	0.296	**0.463**
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	-0.12	0.182	0.284
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	-0.04	0.177	0.277
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Ant 1	C	155	5775	1	16.06	18.00	1.563	100	1.000	-0.18	0.015	0.023

14.7 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	802.11b 1Mbps	On the Front of the Face	0mm	Ant 1	A	6	2437	1	13.30	14.25	1.245	100	1.000	-0.09	0.875	1	1.089
2nd	WLAN2.4GHz	802.11b 1Mbps	On the Front of the Face	0mm	Ant 1	A	6	2437	1	13.30	14.25	1.245	100	1.000	0.03	0.863	1.014	1.074

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR <1.45W/kg, only one repeated measurement is required.
3. The ratio is the difference in percentage between original and repeated *measured SAR*.
4. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

15. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	SMART GLASSES				
		Face-Worn	Rest-on-Head	Rest-on-Shirt	Pocketing	Handheld 10g SAR
1.	Bluetooth + WLAN5GHz	Yes	Yes	Yes	Yes	Yes

General Note:

1. According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
2. According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz can't transmit simultaneously.
3. WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously.
4. The reported SAR summation is calculated based on the same configuration and test position
5. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
   i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
   ii) SPLSR = (SAR1 + SAR2)^1.5 / (min. separation distance, mm), and the peak separation distance is determined from the square root of [(x1-x2)2 + (y1-y2)2 + (z1-z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
   iii) If SPLSR ≤ 0.04 for 1g SAR and SPLSR≤ 0.10 for 10g SAR , simultaneously transmission SAR measurement is not necessary.
   iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.

15.1 Face-Worn Exposure Conditions

Exposure Position	3	10	17	10+17
	WLAN2.4GHz Ant 1	WLAN5GHz Ant 1	Bluetooth Ant 1	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
On the Front of the Face	1.089	0.776	0.318	**1.09**

15.2 Rest-on-Head Exposure Conditions

Exposure Position	3	10	17	10+17
	WLAN2.4GHz Ant 1	WLAN5GHz Ant 1	Bluetooth Ant 1	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
On of the head	0.215	0.247	0.064	0.31

15.3 Rest-on-Shirt Exposure Conditions

Exposure Position	3	10	17	10+17
	WLAN2.4GHz Ant 1	WLAN5GHz Ant 1	Bluetooth Ant 1	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Left Temple Arm Outer Edge Touching Phantom	1.024	0.296	0.788	1.08

15.4 Pocketing (outside Charging Case) Exposure Conditions

Exposure Position	3	10	17	10+17
	WLAN2.4GHz Ant 1	WLAN5GHz Ant 1	Bluetooth Ant 1	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Left Lens Kept 5mm Distance from Phantom	0.019		0.015	0.02

15.5 Pocketing(inside Charging Case) Exposure Conditions

Exposure Position	3	10	17	10+17
	WLAN2.4GHz Ant 1	WLAN5GHz Ant 1	Bluetooth Ant 1	Summed
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front	0.040	0.044		0.04
Left Side	0.176	0.689	0.016	0.71
Right Side	0.055	0.250	0.003	0.25
Top Side	0.100	0.352	0.004	0.36
Bottom Side	0.052	0.045		0.05

15.6 Handheld(inside Charging Case) Exposure Conditions

Exposure Position	3	10	17	10+17
	WLAN2.4GHz Ant 1	WLAN5GHz Ant 1	Bluetooth Ant 1	Summed
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
Front	0.039	0.041	0.003	0.04
Back		0.020		0.02
Left side	0.445	0.463	0.016	**0.48**
Right side	0.126	0.284	0.012	0.30
Top side	0.095	0.277	0.009	0.29
Bottom side	0.039	0.033		0.03

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16. 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.

17. References

[1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”

[2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992

[3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013

[4] SPEAG DASY System Handbook

[5] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.

[6] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

[7] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.

[8] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.

Appendixes

Please refer to separated files for the following appendixes

Appendix A. Plots of System Performance Check

Appendix B. Plots of High SAR Measurement

Appendix C. DASY Calibration Certificate

Appendix D. Test Setup Photos

Appendix E. Conducted RF Output Power Table

Appendix F. Power reduction mechanism verification

------THE END------