



No.: FCCSZ2025-0036-SAR

TEST REPORT

NAME OF SAMPLE : Enterprise Full Touch
Handheld Computer

CLIENT : BLUEBIRD INC.

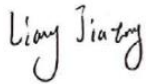
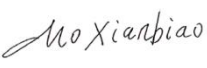
CLASSIFICATION OF TEST : N/A

FCC ID : SS4S20W1

Max. SAR (1g): : Body: **1.05** W/kg

CVC Testing Technology (Shenzhen) Co., Ltd.



Applicant		Name : BLUEBIRD INC.	
		Address : 3F, 115, Irwon-ro, Gangnam-gu, Seoul, Republic of Korea	
Manufacturer		Name : BLUEBIRD INC.	
		Address : 3F, 115, Irwon-ro, Gangnam-gu, Seoul, Republic of Korea	
Equipment Under Test		Name :Enterprise Full Touch Handheld Computer	
		Model/Type : S20	
		Trade mark : BLUEBIRD	
		SerialNO.: S20ANLBBH238	
		Sampe NO. FCCSZ2025-0036_2-1	
Date of Receipt.	Apr. 21, 2025	Date of Testing	May 14, 2025
Test Specification		Test Result	
ANSI/IEEE Std. C95.1 FCC 47 CFR Part 2 (2.1093) Published RF exposure KDB procedures IEC/IEEE 62209-1528: 2020		Pass	
Evaluation of Test Result		The equipment under test was found to comply with the requirements of the standards applied.	
		Seal of CVC Issue Date: May 25, 2025	
Compiled by:  <u>Liang Jiatong</u> Name Signature		Reviewed by:  <u>Mo Xianbiao</u> Name Signature	Approved by:  <u>Dong Sanbi</u> Name Signature
Other Aspects: NONE.			
Abbreviations: Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCCSZ2025-0036-SAR	Original release	May 21, 2025



GENERAL INFORMATION

GENERAL PRODUCT INFORMATION

PRODUCT	Enterprise Full Touch Handheld Computer
BRAND	BLUEBIRD
MODEL	S20
ADDITIONAL MODEL	N/A
POWER SUPPLY	DC 3.85V (1*3.85V Rechargeable Li-ion Polymer battery) DC 5V From Adapter
MODULATION MODE	802.11b: DSSS WLAN 2.4G 802.11g/n (HT20)/HT40: OFDM WLAN 5G 802.11a/ac (VHT20)/HT40 /VHT80/VHT160/ ax (HE20)/HE40 /HE80/HE160/: OFDM Bluetooth® GFSK, $\pi/4$ -DQPSK, 8-DPSK, BLE1M, BLE2M NFC: ASK
OPERATING FREQUENCY	WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz WLAN 5.6GHz Band: 5500 MHz ~ 5720 MHz WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz to 2480 MHz NFC: 13.56MHz
ANTENNA TYPE	ANT1: PIFA Antenna, ANT2: PIFA Antenna
ANTENNA GAIN	2402 ~ 2480MHz ANT1: -1.58dBi gain 2412 ~ 2472MHz: ANT1: -1.58dBi, ANT2: -0.05dBi 5180 ~ 5240MHz: ANT1: 0.88dBi, ANT2: 0.34dBi 5260 ~ 5320MHz: ANT1: 0.88dBi, ANT2: 0.34dBi 5500 ~ 5720MHz: ANT1: 1.92dBi, ANT2: -0.36dBi 5745 ~ 5825MHz: ANT1: -1.61dBi, ANT2: -0.90dBi
Remark: 1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual. 2. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power 3. This is provided by the manufacturer. The laboratory is not responsible for technical data provided by the customer	



DESCRIPTION OF ACCESSORIES

AC Adapter	
BRAND	ULLPOWER
Model No.:	ICP20-050-3000B
Input:	100-240V~50/60Hz 0.6A
Output:	5.0V $\Rightarrow$ 3.0A, 15.0W
SN	82-2-2686-3235

TEST Environment

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (°C)	21.0~21.5
Humidity (%RH)	55~67

TEST Location

The tests and measurements refer to this report were performed by CVC Testing Technology (Shenzhen) Co., Ltd.

Lab Address: No. 1301-14&16, Guanguang Road, Xinlan Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, China

Post Code: 518110 Tel: 0755-23763060-8805

Fax: 0755-23763060 E-mail: sz-kf@cvc.org.cn

FCC (Test firm designation number: CN1363)

IC (Test firm CAB identifier number: CN0137)

CNAS (Test firm designation number: L16091)



TEST Standards and Limits

No.	Identity	Document Title
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
3	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)
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
8	FCC KDB 941225 D07 v01r02	SAR EVALUATION PROCEDURES FOR UMPC MINI-TABLET DEVICES
9	KDB 248227 D01 v02r02	802.11 Wi-Fi SAR

(A). Limits for Occupational/Controlled Exposure (W/kg)

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

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

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

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram 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.

Population/Uncontrolled Environments:

Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Occupational/Controlled Environments:

Are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

NOTE

GENERAL POPULATION/UNCONTROLLED EXPOSURE

PARTIAL BODY LIMIT

1.6 W/kg



Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for the EUT are as follows:

Mode	Highest Reported Body SAR _{1g} (0.5 cm Gap) (W/kg)
2.4G WLAN	0.10
5.2G&5.3G WLAN	1.03
5.6G WLAN	0.87
5.8G WLAN	1.05
Bluetooth	0.03
Highest MIMO SAR	Body(W/kg)
	1.58

Note:

1. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6W/kg as averaged over any 1 gram of tissue; 10-gram SAR for Product Specific 10g SAR, limit: 4.0W/kg) 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 IEC/IEEE 62209-1528:2020 and FCC KDB publications.

SAR Measurement System

Definition of Specific Absorption Rate (SAR)

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.

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 measurement can be related to the electrical field in the tissue by

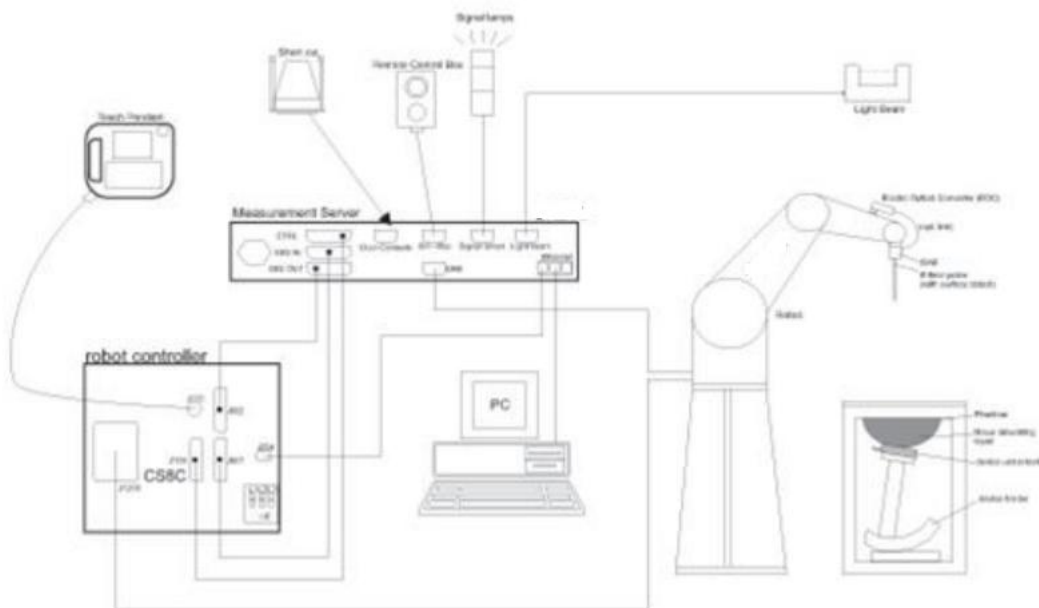
$$SAR = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue;

ρ is the mass density of the tissue and E is the RMS electrical field strength.

SAR System

DASY System Diagram:



DASY is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The DASY system consists of the following items:



- Main computer to control all the system
- 6 axis robot
- Data acquisition Electronics
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The Open SAR software computes the results to give a SAR value in a 1g or 10g mass.



Probe

EX3DV4 – Smallest isotropic dosimetric probe for high precision SAR measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 10 GHz with a precision of better than 30%

- Frequency range: 4 MHz – 10 GHz
- Dynamic range: 0.01 W/kg – >100 W/kg
- Tip diameter: 2.5 mm
- Scanning distance: ≥ 1.4 mm



Figure 1-Speag COMOSAR Dosimetric E field Dipole

Date Acquisition Electronics 4 (DAE4)

High precision 3-channel differential voltmeter for use with SPEAG's field, SAR, and temperature probes. Serial optical link for communication with the DASY8 measurement server. Two-step probe touch detector for mechanical surface detection and emergency robot stop.

- Measurement range: -100 – +300 mV (16-bit resolution and two range settings: 4 mV, 400 mV)
- Input offset voltage: $< 5 \mu\text{V}$ (with auto zero)
- Input resistance: 200 M Ω
- Input bias current: < 50 fA
- Battery power: >10 hours of operation (with two 9.6 V NiMH batteries)
- Dimensions (L $\times$ W $\times$ H): 60 $\times$ 60 $\times$ 68 mm
- Calibration: ISO/IEC 17025 calibration service available.





SAM-Twin Phantom

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEC/IEEE 62209-1528. It enables the dosimetric evaluation of left and right hand phone usage as well as body-mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot. SAM-Twin V5.0 and higher has the same shell geometry and is manufactured from the same material as SAM-Twin V4.0 but with reinforced top structure.

- Material: Vinyl ester, fiberglass reinforced (VE-GF)
- Shell Thickness: 2 ± 0.2 mm (6 ± 0.2 mm at ear point)
- Dimensions: Length: 1000 mm
Width: 500 mm
Height: adjustable feet

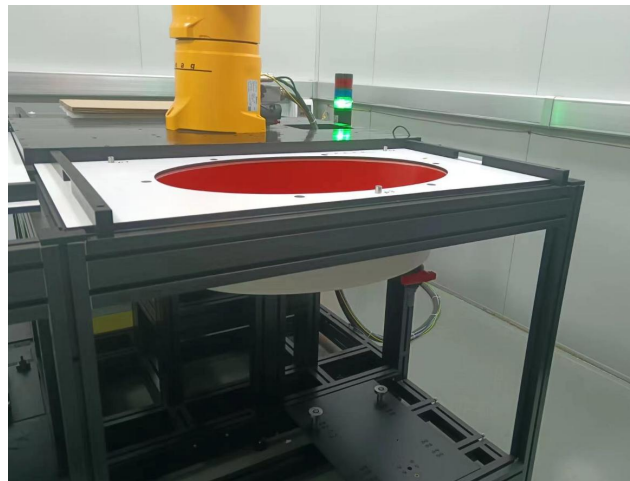




ELI Phantom

The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 4 MHz to 10 GHz. ELI is fully compatible with the IEC/IEEE 62209-1528 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all of SPEAG's dosimetric probes and dipoles. The latest ELI V8.0 phantom shell has optimized pretension in the bottom surface during production, such that the phantom is more robust and with reduced sagging.

- Material: Vinyl ester, fiberglass reinforced (VE-GF)
- Shell Thickness: 2.0 ± 0.2 mm (bottom plate)
- Dimensions: Major axis: 600 mm,
Minor axis: 400 mm
- Filling Volume: approx. 30 liters.

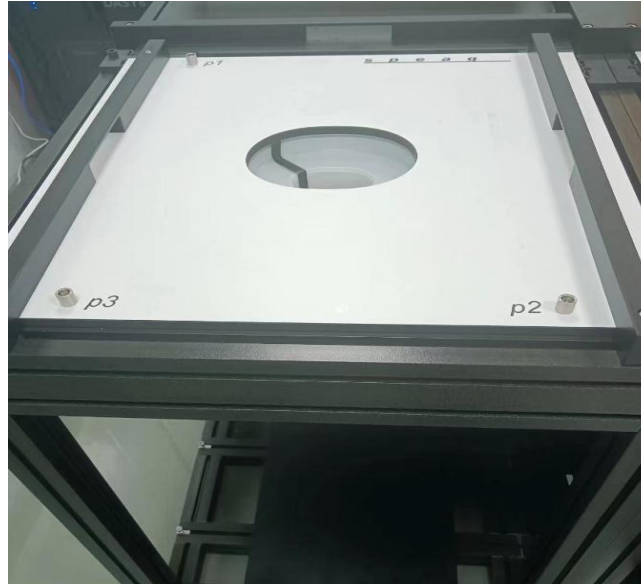




WRIST Phantom

The Wrist Phantom V10 is shape-compatible with the CTIA approved OTA GFPC-V1 and optimized for specific absorption rate evaluation of watches and other wireless hand accessories.

- Material: Photosensitive epoxy acrylates
- Shell Thickness: 2 ± 0.2 mm
- Wrist Shape: Design compatible with CTIA forearm.



DEVICE Holder

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.





SYSTEM Validation Dipoles

Symmetrical dipole with $1/4$ balun. Enables measurement of feed point impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.

- Frequency: 300 MHz to 10 GHz
- Return loss: >20 dB
- Power capability: >40 W

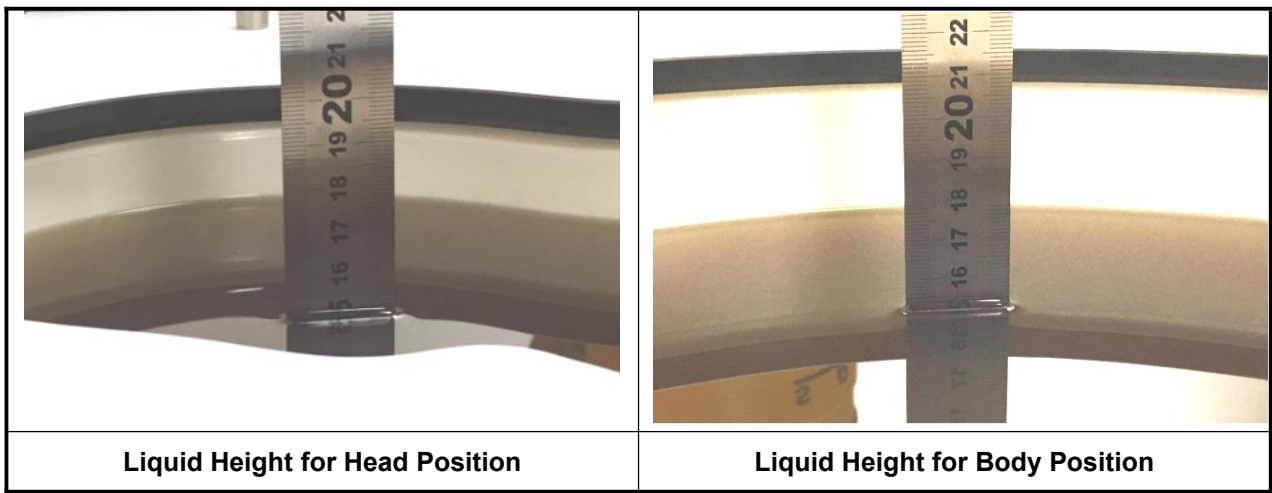




TISSUE Simulating Liquids

SIMULATING Liquids Parameter Check

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. 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. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed.



The dielectric properties of the tissue simulating liquids are defined in IEC 62209-1528. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using a dielectric assessment kit and a network analyzer.



Dielectric properties of Tissue Simulating Liquid

Frequency (MHz)	Target Permittivity	Target Conductivity
2450	39.2	1.80
5000	36.2	4.45
5200	36.0	4.66
5300	35.9	4.76
5500	35.6	4.96
5600	35.5	5.07
5800	35.3	5.27



LIQUIDS Measurement Results

The measuring results for tissue simulating liquid are shown as below.

Tissue Type	Frequency (MHz)	Measured Conductivity (σ)	Measured Permittivity (ϵ_r)	Target Conductivity (σ)	Target Permittivity (ϵ_r)	Conductivity Deviation (%)	Permittivity Deviation (%)	Test Date
HSL600 -10000	2450	1.790	39.900	1.80	39.20	-0.56	1.79	May. 14, 2025
	5200	4.570	37.200	4.66	36.00	-1.93	3.33	May. 15, 2025
	5300	4.680	37.000	4.76	35.90	-1.68	3.06	May. 15, 2025
	5600	5.020	36.500	5.07	35.50	-0.99	2.82	May. 15, 2025
	5800	5.240	36.100	5.27	35.30	-0.57	2.27	May. 15, 2025

Note:

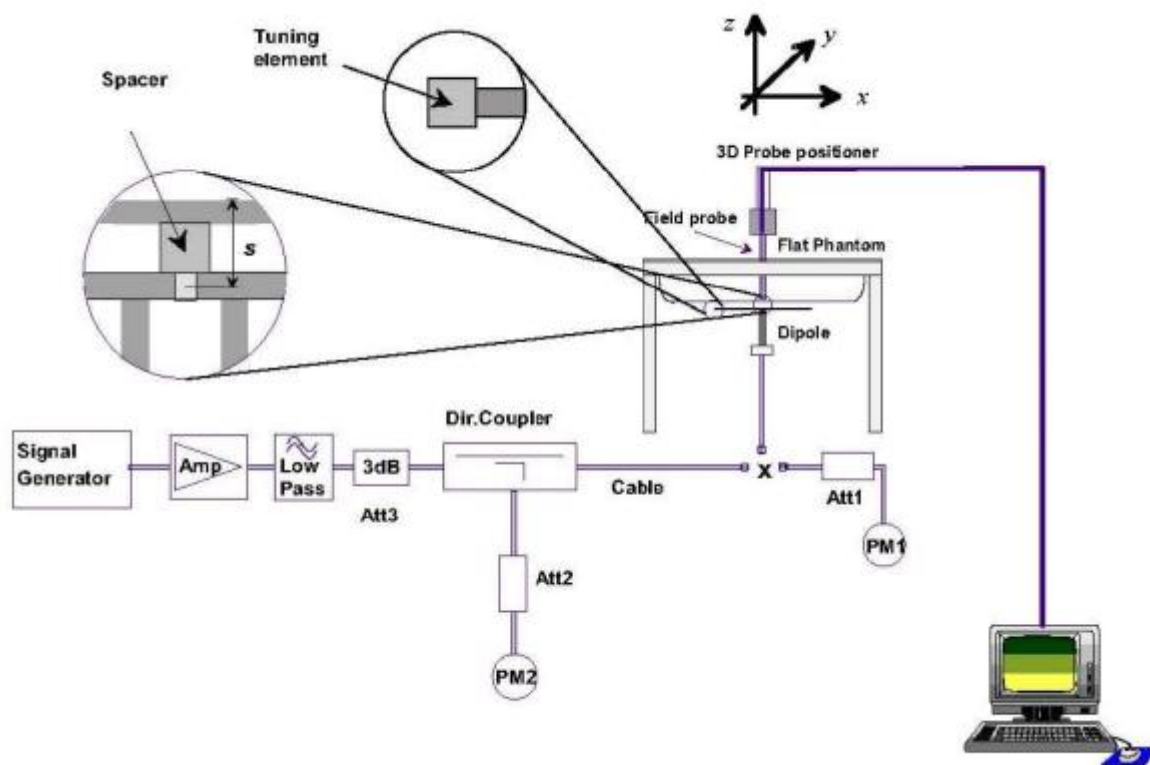
1. The dielectric properties of the tissue simulating liquid must be measured within 24 hours before the SAR testing and within $\pm 5\%$ of the target values. Liquid temperature during the SAR testing must be within $\pm 2^\circ\text{C}$.
2. Since the maximum deviation of dielectric properties of the tissue simulating liquid is within 5%.

SAR System Validation

VALIDATION System

Each DASY system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the DASY software, enable the user to conduct the system performance check and system validation. System kit includes a dipole, and dipole device holder.

The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system validation setup is shown as below.





SYSTEM Validation Result

The measuring result for system verification is tabulated as below.

Test Date	Frequency (MHz)	1W Target SAR-1g (W/kg)	Measured SAR-1g (W/kg)	Normalized to 1W SAR-1g (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
May. 14, 2025	2450	51.40	12.50	49.75	-3.21	1081	7628	1557
May. 15, 2025	5200	77.80	7.87	78.70	1.16	1353	7628	1557
May. 15, 2025	5300	79.60	8.02	80.20	0.75	1353	7628	1557
May. 15, 2025	5600	82.10	7.89	78.90	-3.90	1353	7628	1557
May. 15, 2025	5800	80.40	7.91	79.10	-1.62	1353	7628	1557

Note:

Comparing to the reference SAR value provided by SPEAG, the validation data should be within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots can be referred to Appendix A of this report.



SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface.
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

Area Scan & Zoom Scan:

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01 quoted below.

When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.



SAR Measurement Evaluation

EUT Configuration and Setting

<Considerations Related to WLAN for Setup and Testing>

In general, various vendor specific external test software and chipset based internal test modes are typically used for SAR measurement. These chipset based test mode utilities are generally hardware and manufacturer dependent, and often include substantial flexibility to reconfigure or reprogram a device. A Wi-Fi device must be 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 for SAR measurement. The test frequencies established using test mode must correspond to the actual channel frequencies. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. In addition, a periodic transmission duty factor is required for current generation SAR systems to measure SAR correctly. The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

According to KDB 248227 D01, this device has installed WLAN engineering testing software which can provide continuous transmitting RF signal. During WLAN SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

Initial Test Configuration

An initial test configuration is determined for OFDM transmission modes in 2.4 GHz and 5 GHz bands according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. 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, for each frequency band.

Subsequent Test Configuration

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. When the highest reported SAR for the initial test configuration according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

SAR Test Configuration and Channel Selection

When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is using largest channel bandwidth, lowest order modulation, lowest



data rate, and lowest order 802.11 mode (i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n). After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following.

- 1) The channel closest to mid-band frequency is selected for SAR measurement.
- 2) For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

Test Reduction for U-NII-1 (5.2 GHz) and U-NII-2A (5.3 GHz) Bands

For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following.

- 1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition).
- 2) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration.

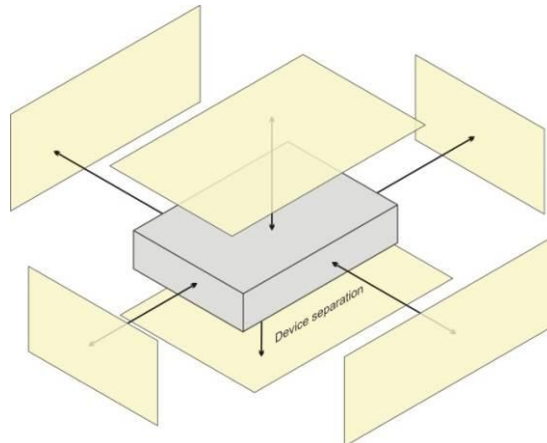
<Considerations Related to Bluetooth for Setup and Testing>

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.



Hotspot Mode Exposure Conditions

For mini-tablet, according to KDB 941225 D07, SAR evaluation is required on all sides and edges with a transmitting antenna within 25 mm from that surface or edge, at 5 mm separation from a flat phantom, for the data modes, wireless technologies and frequency bands supported by the device to determine SAR compliance. Since the procedures are more conservative than those required for hotspot mode, additional SAR tests for hotspot mode is typically not necessary.



Based on the antenna location shown on Appendix D of this report, the SAR testing required for hotspot mode is listed as below.

Antenna	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
WLAN/BT Ant-0	V	V	V		V	
WLAN Ant-1	V	V		V	V	



Maximum Output Power

Maximum Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.

<WLAN 2.4G>

Mode	802.11b (1Mbps)		
Channel / Frequency (MHz)	1 (2412)	6 (2437)	11 (2462)
Ant0 tune-up	13.0	13.0	13.0
Ant1 tune-up	13.5	13.5	13.5
Mimo	16.0	16.0	16.5
Mode	802.11g (6Mbps)		
Channel / Frequency (MHz)	1 (2412)	6 (2437)	11 (2462)
Ant0 tune-up	13.5	13.5	13.5
Ant1 tune-up	14.0	14.0	14.0
Mimo	16.5	16.5	17.0
Mode	802.11n (HT20) (MCS0)		
Channel / Frequency (MHz)	1 (2412)	6 (2437)	11 (2462)
Ant0 tune-up	13.5	13.5	13.5
Ant1 tune-up	14.0	14.0	14.0
Mimo	16.5	16.5	16.5
Mode	802.11n (HT40) (MCS0)		
Channel / Frequency (MHz)	3 (2422)	6 (2437)	9 (2452)
Ant0 tune-up	13.0	13.0	13.0
Ant1 tune-up	16.5	16.5	16.5
Mimo	16.5	16.5	16.5
Mode	802.11ax (HE20) (MCS0)		
Channel / Frequency (MHz)	1 (2412)	6 (2437)	11 (2462)
Ant0 tune-up	13.0	13.0	13.5
Ant1 tune-up	14.0	14.0	14.0
Mimo	16.5	16.5	17.0
Mode	802.11ax (HE40) (MCS0)		
Channel / Frequency (MHz)	3 (2422)	6 (2437)	9 (2452)
Ant0 tune-up	13.0	13.0	13.0
Ant1 tune-up	14.0	14.0	14.0
Mimo	16.5	16.5	16.5

**<WLAN 5.2G>**

Mode	802.11a (6Mbps)			
Channel / Frequency (MHz)	36 (5180)	40 (5200)	44 (5220)	48 (5240)
Ant 0 Tune up	14.0	14.0	14.0	14.0
Ant 1 Tune up	13.5	13.5	13.5	13.5
Mimo	16.5	16.5	16.5	16.5
Mode	802.11ac (VHT20) (MCS0)			
Channel / Frequency (MHz)	36 (5180)	40 (5200)	44 (5220)	48 (5240)
Ant 0 Tune up	14.0	14.0	14.0	14.0
Ant 1 Tune up	13.5	13.5	13.5	13.5
Mimo	16.5	16.5	16.5	16.5
Mode	802.11ac (VHT40) (MCS0)			
Channel / Frequency (MHz)	38 (5190)		46 (5230)	
Ant 0 Tune up	12.0		12.0	
Ant 1 Tune up	12.0		12.0	
Mimo	15.0		15.0	
Mode	802.11ac (VHT80) (MCS0)			
Channel / Frequency (MHz)	42 (5210)			
Ant 0 Tune up	12.0			
Ant 1 Tune up	12.5			
Mimo	12.0			
Mode	802.11ax (HE20) (MCS0)			
Channel / Frequency (MHz)	36 (5180)	40 (5200)	44 (5220)	48 (5240)
Ant 0 Tune up	10.0	10.0	10.0	10.0
Ant 1 Tune up	9.0	9.0	9.0	9.0
Mimo	12.0	12.0	12.0	12.0
Mode	802.11ax (HE40) (MCS0)			
Channel / Frequency (MHz)	38 (5190)		46 (5230)	
Ant 0 Tune up	9.0		9.0	
Ant 1 Tune up	9.0		10.5	
Mimo	12.0		13.5	
Mode	802.11ax (HE80) (MCS0)			
Channel / Frequency (MHz)	42 (5210)			
Ant 0 Tune up	10.5			
Ant 1 Tune up	10.5			
Mimo	13.5			

**<WLAN 5.3G>**

Mode	802.11a (6Mbps)			
Channel / Frequency (MHz)	52 (5260)	56 (5280)	60 (5300)	64 (5320)
Ant 0 Tune up	13.5	13.5	13.5	13.5
Ant 1 Tune up	13.5	13.5	13.5	13.5
Mimo	16.5	16.5	16.5	16.5
Mode	802.11ac (VHT20) (MCS0)			
Channel / Frequency (MHz)	52 (5260)	56 (5280)	60 (5300)	64 (5320)
Ant 0 Tune up	13.5	13.5	13.5	13.5
Ant 1 Tune up	13.5	13.5	13.5	13.5
Mimo	16.5	16.5	16.5	16.5
Mode	802.11ac (VHT40) (MCS0)			
Channel / Frequency (MHz)	54 (5270)		62 (5310)	
Ant 0 Tune up	12.0		12.0	
Ant 1 Tune up	12.0		12.0	
Mimo	15.0		15.0	
Mode	802.11ac (VHT80) (MCS0)			
Channel / Frequency (MHz)	58 (5290)			
Ant 0 Tune up	12.0			
Ant 1 Tune up	12.0			
Mimo	15.0			
Mode	802.11ac (VHT160) (MCS0)			
Channel / Frequency (MHz)	50 (5250)			
Ant 0 Tune up	12.0			
Ant 1 Tune up	12.5			
Mimo	15.5			
Mode	802.11ax (HE20) (MCS0)			
Channel / Frequency (MHz)	52 (5260)	56 (5280)	60 (5300)	64 (5320)
Ant 0 Tune up	9.5	9.5	9.5	9.5
Ant 1 Tune up	9.0	9.0	9.0	9.0
Mimo	12.0	12.0	12.0	12.0
Mode	802.11ax (HE40) (MCS0)			
Channel / Frequency (MHz)	54 (5270)		62 (5310)	
Ant 0 Tune up	10.5		10.5	
Ant 1 Tune up	9.5		9.5	
Mimo	13.0		13.0	
Mode	802.11ax (HE80) (MCS0)			
Channel / Frequency (MHz)	58 (5290)			
Ant 0 Tune up	9.5			
Ant 1 Tune up	9.0			
Mimo	12.0			
Mode	802.11ax (HE160) (MCS0)			
Channel / Frequency (MHz)	50(5250)			
Ant 0 Tune up	9.5			
Ant 1 Tune up	9.0			
Mimo	12.5			



<WLAN 5.6G>

Mode	802.11a (6Mbps)							
Channel / Frequency (MHz)	100 (5500)	104 (5520)	108 (5540)	112 (5560)	116 (5580)	132 (5660)	136 (5680)	140 (5700)
Ant 0 Tune up	10.5	10.50	10.50	11.00	11.00	11.00	11.00	12.0
Ant 1 Tune up	10.00	10.00	10.50	10.50	11.00	10.50	10.50	10.00
Mimo	13.5	13.5	13.5	13.5	14.0	14.0	14.0	14.0
Mode	802.11ac (VHT20) (MCS0)							
Channel / Frequency (MHz)	100 (5500)	104 (5520)	108 (5540)	112 (5560)	116 (5580)	132 (5660)	136 (5680)	140 (5700)
Ant 0 Tune up	10.5	10.5	10.5	11.0	11.0	11.0	11.0	11.5
Ant 1 Tune up	10.0	10.0	10.0	10.0	10.5	10.0	10.0	10.0
Mimo	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
Mode	802.11ac (VHT40) (MCS0)							
Channel / Frequency (MHz)	102 (5510)				134 (5670)			
Ant 0 Tune up	10.5				10.5			
Ant 1 Tune up	10.0				10.0			
Mimo	13.5				13.5			
Mode	802.11ac (VHT80) (MCS0)							
Channel / Frequency (MHz)	106 (5530)				122 (5610)			
Ant 0 Tune up	10.0				11.0			
Ant 1 Tune up	10.5				10.5			
Mimo	13.5				14.0			
Mode	802.11ac (VHT80) (MCS0)							
Channel / Frequency (MHz)	114 (5570)							
Ant 0 Tune up	11.5							
Ant 1 Tune up	10.5							
Mimo	14.0							
Mode	802.11ax (HE20) (MCS0)							
Channel / Frequency (MHz)	100 (5500)	104 (5520)	108 (5540)	112 (5560)	116 (5580)	132 (5660)	136 (5680)	140 (5700)
Ant 0 Tune up	10.5	10.5	11.0	11.0	11.0	11.0	11.0	11.5
Ant 1 Tune up	10.0	10.0	10.0	10.5	10.5	10.5	10.0	10.0
Mimo	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
Mode	802.11ax (HE40) (MCS0)							
Channel / Frequency (MHz)	102 (5510)				134 (5670)			
Ant 0 Tune up	10.5				11.5			
Ant 1 Tune up	10.0				10.0			
Mimo	13.0				14.0			
Mode	802.11ax (HE80) (MCS0)							
Channel / Frequency (MHz)	106 (5530)				122 (5610)			
Ant 0 Tune up	10.5				11.0			
Ant 1 Tune up	10.5				10.5			
Mimo	13.5				14.0			
Mode	802.11aX (HE160) (MCS0)							
Channel / Frequency (MHz)	114 (5570)							
Ant 0 Tune up	11.5							
Ant 1 Tune up	10.5							
Mimo	14.0							

**<WLAN 5.8G>**

Mode	802.11a (6Mbps)				
Channel / Frequency (MHz)	149 (5745)	153 (5765)	157 (5785)	161 (5805)	165 (5825)
Ant 0 Tune up	13.5	13.5	13.5	13.5	13.5
Ant 1 Tune up	12.5	12.5	12.5	12.5	12.5
Mimo	16.0	16.0	16.0	16.0	16.0
Mode	802.11ac (VHT20) (MCS0)				
Channel / Frequency (MHz)	149 (5745)	153 (5765)	157 (5785)	161 (5805)	165 (5825)
Ant 0 Tune up	13.5	13.5	13.5	13.5	13.5
Ant 1 Tune up	12.5	12.5	12.5	12.5	12.5
Mimo	16.0	16.0	16.0	16.0	16.0
Mode	802.11ac (VHT40) (MCS0)				
Channel / Frequency (MHz)	151 (5755)		159 (5795)		
Ant 0 Tune up	13.0		13.0		
Ant 1 Tune up	11.0		11.0		
Mimo	15.0		15.0		
Mode	802.11ac (VHT80) (MCS0)				
Channel / Frequency (MHz)	155 (5775)				
Ant 0 Tune up	12.5				
Ant 1 Tune up	11.5				
Mimo	15.0				
Mode	802.11ax (HE20) (MCS0)				
Channel / Frequency (MHz)	149 (5745)	153 (5765)	157 (5785)	161 (5805)	165 (5825)
Ant 0 Tune up	10.5	10.5	10.5	10.5	10.5
Ant 1 Tune up	8.5	8.5	8.5	8.5	8.5
Mimo	12.5	12.5	12.5	12.5	12.5
Mode	802.11ax (HE40) (MCS0)				
Channel / Frequency (MHz)	151 (5755)		159 (5795)		
Ant 0 Tune up	11.0		11.0		
Ant 1 Tune up	9.5		9.5		
Mimo	13.5		13.5		
Mode	802.11ax (HE80) (MCS0)				
Channel / Frequency (MHz)	155 (5775)				
Ant 0 Tune up	10.5				
Ant 1 Tune up	8.5				
Mimo	12.5				

<Bluetooth>

Mode	Bluetooth GFSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Tune up	4.0	5.5	5.0
Mode	Bluetooth $\pi/4$ -DQPSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Tune up	7.0	8.5	8.0
Mode	Bluetooth 8DPSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Tune up	3.5	5.0	4.5
Mode	Bluetooth LE 1M		
Channel / Frequency (MHz)	0 (2402)	19 (2440)	39 (2480)
Tune up	5.0	6.5	5.5
Mode	Bluetooth LE 2M		
Channel / Frequency (MHz)	0 (2402)	19 (2440)	39 (2480)
Tune up	5.0	6.5	5.5



Measured Conducted Power Result

All Rate have been tested, the Worst average power (Unit: dBm) is shown as below.

<WLAN 2.4G>

Mode	802.11b (1Mbps)		
Channel / Frequency (MHz)	1 (2412)	6 (2437)	11 (2462)
Average Power(Ant0)	12.57	12.43	12.83
Average Power(Ant1)	13.10	13.15	13.16
Average Power(Ant0+1)	15.85	15.82	16.01
Mode	802.11g (6Mbps)		
Channel / Frequency (MHz)	1 (2412)	6 (2437)	11 (2462)
Average Power(Ant0)	13.01	12.84	13.38
Average Power(Ant1)	13.71	13.66	13.78
Average Power(Ant0+1)	16.38	16.28	16.59
Mode	802.11n (HT20) (MCS0)		
Channel / Frequency (MHz)	1 (2412)	6 (2437)	11 (2462)
Average Power(Ant0)	12.87	12.80	13.16
Average Power(Ant1)	13.52	13.60	13.63
Average Power(Ant0+1)	16.22	16.23	16.41
Mode	802.11n (HT40) (MCS0)		
Channel / Frequency (MHz)	3 (2422)	6 (2437)	9 (2452)
Average Power(Ant0)	12.72	12.90	12.98
Average Power(Ant1)	13.89	13.74	13.82
Average Power(Ant0+1)	16.35	16.35	16.43
Mode	802.11ax (HE20) (MCS0)		
Channel / Frequency (MHz)	1 (2412)	6 (2437)	11 (2462)
Average Power(Ant0)	12.94	12.81	13.32
Average Power(Ant1)	13.63	13.62	13.68
Average Power(Ant0+1)	16.31	16.24	16.51
Mode	802.11ax (HE40) (MCS0)		
Channel / Frequency (MHz)	3 (2422)	6 (2437)	9 (2452)
Average Power(Ant0)	12.63	12.91	12.94
Average Power(Ant1)	13.75	13.72	13.77
Average Power(Ant0+1)	16.24	16.34	16.39



<WLAN 5.2G>

Mode	802.11a (6Mbps)			
Channel / Frequency (MHz)	36 (5180)	40 (5200)	44 (5220)	48 (5240)
Average Power(Ant0)	13.47	13.37	13.35	13.63
Average Power(Ant1)	12.86	12.99	13.05	13.22
Average Power(Ant0+1)	16.19	16.19	16.21	16.44
Mode	802.11ac (VHT20) (MCS0)			
Channel / Frequency (MHz)	36 (5180)	40 (5200)	44 (5220)	48 (5240)
Average Power(Ant0)	13.62	13.49	13.31	13.27
Average Power(Ant1)	12.88	12.97	12.98	13.17
Average Power(Ant0+1)	16.28	16.25	16.16	16.23
Mode	802.11ac (VHT40) (MCS0)			
Channel / Frequency (MHz)	38 (5190)		46 (5230)	
Average Power(Ant0)	11.88		11.81	
Average Power(Ant1)	11.78		11.97	
Average Power(Ant0+1)	14.84		14.90	
Mode	802.11ac (VHT80) (MCS0)			
Channel / Frequency (MHz)	42 (5210)			
Average Power(Ant0)	11.78			
Average Power(Ant1)	12.10			
Average Power(Ant0+1)	14.95			
Mode	802.11ax (HE20) (MCS0)			
Channel / Frequency (MHz)	36 (5180)	40 (5200)	44 (5220)	48 (5240)
Average Power(Ant0)	9.08	9.04	9.03	9.03
Average Power(Ant1)	8.57	8.62	8.56	8.54
Average Power(Ant0+1)	11.84	11.85	11.81	11.80
Mode	802.11ax (HE40) (MCS0)			
Channel / Frequency (MHz)	38 (5190)		46 (5230)	
Average Power(Ant0)	8.89		9.98	
Average Power(Ant1)	8.50		10.15	
Average Power(Ant0+1)	11.71		13.08	
Mode	802.11ax (HE80) (MCS0)			
Channel / Frequency (MHz)	42 (5210)			
Average Power(Ant0)	10.13			
Average Power(Ant1)	10.45			
Average Power(Ant0+1)	13.30			

**<WLAN 5.3G>**

Mode	802.11a (6Mbps)			
Channel / Frequency (MHz)	52 (5260)	56 (5280)	60 (5300)	64 (5320)
Average Power(Ant0)	13.26	13.09	13.05	12.94
Average Power(Ant1)	12.97	13.25	13.10	13.05
Average Power(Ant0+1)	16.13	16.18	16.09	16.01
Mode	802.11ac (VHT20) (MCS0)			
Channel / Frequency (MHz)	52 (5260)	56 (5280)	60 (5300)	64 (5320)
Average Power(Ant0)	13.37	13.20	13.11	13.05
Average Power(Ant1)	12.93	12.90	12.96	13.05
Average Power(Ant0+1)	16.17	16.06	16.05	16.06
Mode	802.11ac (VHT40) (MCS0)			
Channel / Frequency (MHz)	54 (5270)		62 (5310)	
Average Power(Ant0)	11.97		11.89	
Average Power(Ant1)	11.77		11.76	
Average Power(Ant0+1)	14.88		14.84	
Mode	802.11ac (VHT80) (MCS0)			
Channel / Frequency (MHz)	58 (5290)			
Average Power(Ant0)	11.77			
Average Power(Ant1)	11.88			
Average Power(Ant0+1)	14.84			
Mode	802.11ac (VHT160) (MCS0)			
Channel / Frequency (MHz)	50 (5250)			
Average Power(Ant0)	11.87			
Average Power(Ant1)	12.33			
Average Power(Ant0+1)	15.12			
Mode	802.11ax (HE20) (MCS0)			
Channel / Frequency (MHz)	52 (5260)	56 (5280)	60 (5300)	64 (5320)
Average Power(Ant0)	9.08	9.04	9.04	9.03
Average Power(Ant1)	8.57	8.62	8.58	8.54
Average Power(Ant0+1)	11.84	11.85	11.83	11.80
Mode	802.11ax (HE40) (MCS0)			
Channel / Frequency (MHz)	54 (5270)		62 (5310)	
Average Power(Ant0)	9.84		10.04	
Average Power(Ant1)	9.28		9.12	
Average Power(Ant0+1)	12.58		12.61	
Mode	802.11ax (HE80) (MCS0)			
Channel / Frequency (MHz)	58 (5290)			
Average Power(Ant0)	9.06			
Average Power(Ant1)	8.77			
Average Power(Ant0+1)	11.93			
Mode	802.11ax (HE160) (MCS0)			
Channel / Frequency (MHz)	50(5250)			
Average Power(Ant0)	9.32			
Average Power(Ant1)	8.91			
Average Power(Ant0+1)	12.13			

**<WLAN 5.6G>**

Mode	802.11a (6Mbps)							
Channel / Frequency (MHz)	100 (5500)	104 (5520)	108 (5540)	112 (5560)	116 (5580)	132 (5660)	136 (5680)	140 (5700)
Average Power(Ant0)	10.24	10.35	10.42	10.56	10.84	10.86	10.92	11.78
Average Power(Ant1)	9.75	9.86	10.12	10.35	10.63	10.46	10.25	9.57
Average Power(Ant0+1)	13.01	13.12	13.28	13.47	13.75	13.67	13.61	13.82
Mode	802.11ac (VHT20) (MCS0)							
Channel / Frequency (MHz)	100 (5500)	104 (5520)	108 (5540)	112 (5560)	116 (5580)	132 (5660)	136 (5680)	140 (5700)
Average Power(Ant0)	10.16	10.35	10.46	10.52	10.68	10.75	10.89	11.09
Average Power(Ant1)	9.75	9.82	9.86	9.92	10.07	9.88	9.45	9.39
Average Power(Ant0+1)	12.97	13.10	13.18	13.24	13.40	13.35	13.24	13.33
Mode	802.11ac (VHT40) (MCS0)							
Channel / Frequency (MHz)	102 (5510)				134 (5670)			
Average Power(Ant0)	10.21				10.44			
Average Power(Ant1)	9.84				9.77			
Average Power(Ant0+1)	13.04				13.13			
Mode	802.11ac (VHT80) (MCS0)							
Channel / Frequency (MHz)	106 (5530)				122 (5610)			
Average Power(Ant0)	9.94				10.86			
Average Power(Ant1)	9.83				10.19			
Average Power(Ant0+1)	12.90				13.55			
Mode	802.11ac (VHT160) (MCS0)							
Channel / Frequency (MHz)	114 (5570)							
Average Power(Ant0)	11.13							
Average Power(Ant1)	10.40							
Average Power(Ant0+1)	13.79							
Mode	802.11ax (HE20) (MCS0)							
Channel / Frequency (MHz)	100 (5500)	104 (5520)	108 (5540)	112 (5560)	116 (5580)	132 (5660)	136 (5680)	140 (5700)
Average Power(Ant0)	10.11	10.32	10.42	10.45	10.65	10.72	10.86	11.09
Average Power(Ant1)	9.77	9.83	9.88	9.97	10.19	10.05	9.86	9.46
Average Power(Ant0+1)	12.95	13.09	13.17	13.23	13.44	13.41	13.40	13.36
Mode	802.11ax (HE40) (MCS0)							
Channel / Frequency (MHz)	102 (5510)				134 (5670)			
Average Power(Ant0)	10.08				11.29			
Average Power(Ant1)	9.72				9.68			
Average Power(Ant0+1)	12.91				13.57			
Mode	802.11ax (HE80) (MCS0)							
Channel / Frequency (MHz)	106 (5530)				122 (5610)			
Average Power(Ant0)	9.97				10.87			
Average Power(Ant1)	9.94				10.15			
Average Power(Ant0+1)	12.97				13.54			
Mode	802.11aX (HE160) (MCS0)							
Channel / Frequency (MHz)	114 (5570)							
Average Power(Ant0)	11.15							
Average Power(Ant1)	10.37							
Average Power(Ant0+1)	13.79							

**<WLAN 5.8G>**

Mode	802.11a (6Mbps)				
Channel / Frequency (MHz)	149 (5745)	153 (5765)	157 (5785)	161 (5805)	165 (5825)
Average Power(Ant0)	13.20	13.15	13.01	13.08	13.12
Average Power(Ant1)	12.34	12.20	12.14	12.19	12.25
Average Power(Ant0+1)	15.80	15.71	15.61	15.67	15.72
Mode	802.11ac (VHT20) (MCS0)				
Channel / Frequency (MHz)	149 (5745)	153 (5765)	157 (5785)	161 (5805)	165 (5825)
Average Power(Ant0)	13.18	13.10	13.07	12.96	12.85
Average Power(Ant1)	12.27	12.15	12.09	12.14	12.23
Average Power(Ant0+1)	15.76	15.66	15.62	15.58	15.56
Mode	802.11ac (VHT40) (MCS0)				
Channel / Frequency (MHz)	151 (5755)		159 (5795)		
Average Power(Ant0)	12.35		12.50		
Average Power(Ant1)	10.78		10.75		
Average Power(Ant0+1)	14.65		14.72		
Mode	802.11ac (VHT80) (MCS0)				
Channel / Frequency (MHz)	155 (5775)				
Average Power(Ant0)	12.42				
Average Power(Ant1)	11.03				
Average Power(Ant0+1)	14.79				
Mode	802.11ax (HE20) (MCS0)				
Channel / Frequency (MHz)	149 (5745)	153 (5765)	157 (5785)	161 (5805)	165 (5825)
Average Power(Ant0)	9.88	9.96	9.98	10.00	10.01
Average Power(Ant1)	8.01	7.89	7.64	7.73	7.87
Average Power(Ant0+1)	12.06	12.06	11.98	12.02	12.08
Mode	802.11ax (HE40) (MCS0)				
Channel / Frequency (MHz)	151 (5755)		159 (5795)		
Average Power(Ant0)	10.69		10.85		
Average Power(Ant1)	9.15		8.75		
Average Power(Ant0+1)	13.00		12.94		
Mode	802.11ax (HE80) (MCS0)				
Channel / Frequency (MHz)	155 (5775)				
Average Power(Ant0)	10.13				
Average Power(Ant1)	8.23				
Average Power(Ant0+1)	12.29				

<Bluetooth>

Mode	Bluetooth GFSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Average Power	3.86	5.45	4.68
Mode	Bluetooth $\pi/4$ -DQPSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Average Power	6.86	8.27	7.53
Mode	Bluetooth 8DPSK		
Channel / Frequency (MHz)	0 (2402)	39 (2441)	78 (2480)
Average Power	3.28	4.86	4.38
Mode	Bluetooth LE 1M		
Channel / Frequency (MHz)	0 (2402)	19 (2440)	39 (2480)
Average Power	4.73	6.04	5.31
Mode	Bluetooth LE 2M		
Channel / Frequency (MHz)	0 (2402)	19 (2440)	39 (2480)
Average Power	4.78	6.07	5.38



SAR Testing Results

SAR Test Reduction Considerations

<KDB 447498 D01, General RF Exposure Guidance>

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

- (1) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- (2) ≤ 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
- (3) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

<KDB 248227 D01, SAR Guidance for Wi-Fi Transmitters>

- (1) For handsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is ≤ 0.4 W/kg, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
- (2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is ≤ 0.8 W/kg, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is ≤ 1.2 W/kg.
- (3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.
- (4) For WLAN MIMO mode, the power-based standalone SAR test exclusion or the sum of SAR provision in KDB 447498 to determine simultaneous transmission SAR test exclusion should be applied. Otherwise, SAR for MIMO mode will be measured with all applicable antennas transmitting simultaneously at the specified maximum output power of MIMO operation.



SAR Results for Body Exposure Condition (Separation Distance is 0.5 cm Gap)

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Ch.	Antenna	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
1	802.11b	-	Front Face	0.5	11	Ant0	13.0	12.83	1.04	-0.13	0.072	0.07
	802.11b	-	Rear Face	0.5	11	Ant0	13.0	12.83	1.04	-0.08	0.091	0.09
	802.11b	-	Right Side	0.5	11	Ant0	13.0	12.83	1.04	0.00	0.065	0.07
	802.11b	-	Top Side	0.5	11	Ant0	13.0	12.83	1.04	-0.14	0.077	0.06
	802.11b	-	Front Face	0.5	11	Ant1	13.5	13.16	1.08	-0.04	0.059	0.06
	802.11b	-	Rear Face	0.5	11	Ant1	13.5	13.16	1.08	0.14	0.059	0.06
	802.11b	-	Left Side	0.5	11	Ant1	13.5	13.16	1.08	0.03	0.057	0.06
	802.11b	-	Top Side	0.5	11	Ant1	13.5	13.16	1.08	-0.09	0.09	0.10
	802.11a	-	Front Face	0.5	48	Ant1	14.0	13.63	1.09	0.02	0.252	0.27
	802.11a	-	Rear Face	0.5	48	Ant1	14.0	13.63	1.09	-0.02	0.314	0.34
2	802.11a	-	Left Side	0.5	48	Ant1	14.0	13.63	1.09	-0.16	0.624	0.68
	802.11a	-	Top Side	0.5	48	Ant1	14.0	13.63	1.09	-0.05	0.605	0.66
	802.11a	-	Front Face	0.5	56	Ant0	13.5	13.25	1.06	-0.13	0.389	0.41
	802.11a	-	Rear Face	0.5	56	Ant0	13.5	13.25	1.06	-0.05	0.725	0.77
	802.11a	-	Right Side	0.5	56	Ant0	13.5	13.25	1.06	0.03	0.829	0.88
	802.11a	-	Top Side	0.5	56	Ant0	13.5	13.25	1.06	-0.01	0.842	0.89
	802.11a	-	Right Side	0.5	52	Ant0	13.5	12.97	1.13	-0.06	0.913	1.03
	802.11a	-	Right Side	0.5	64	Ant0	13.5	13.05	1.11	-0.02	0.81	0.90
	802.11a	-	Right Side	0.5	52	Ant0	13.5	12.97	1.13	0.05	0.883	1.00
	802.11a	-	Top Side	0.5	52	Ant0	13.5	12.97	1.13	0.04	0.792	0.89
3	802.11a	-	Top Side	0.5	64	Ant0	13.5	13.05	1.11	-0.04	0.831	0.92
	802.11a	-	Top Side	0.5	56	Ant0	13.5	13.25	1.06	0.02	0.834	0.88
	802.11a	-	Front Face	0.5	140	Ant0	12.0	11.78	1.05	0.01	0.322	0.34
	802.11a	-	Rear Face	0.5	140	Ant0	12.0	11.78	1.05	-0.04	0.395	0.42
	802.11a	-	Right Side	0.5	140	Ant0	12.0	11.78	1.05	-0.02	0.717	0.75
	802.11a	-	Top Side	0.5	140	Ant0	12.0	11.78	1.05	-0.09	0.609	0.64
	802.11a	-	Right Side	0.5	100	Ant0	11.0	10.24	1.19	-0.04	0.703	0.84
	802.11a	-	Right Side	0.5	116	Ant0	11.0	10.84	1.04	-0.07	0.835	0.87
	802.11a	-	Right Side	0.5	116	Ant0	11.0	10.84	1.04	-0.01	0.813	0.84
	802.11a	-	Front Face	0.5	116	Ant1	11.0	10.63	1.09	0.00	0.407	0.44
4	802.11a	-	Rear Face	0.5	116	Ant1	11.0	10.63	1.09	-0.15	0.616	0.67
	802.11a	-	Left Side	0.5	116	Ant1	11.0	10.63	1.09	-0.12	0.36	0.39
	802.11a	-	Top Side	0.5	116	Ant1	11.0	10.63	1.09	-0.09	0.611	0.67
	802.11a	-	Front Face	0.5	149	Ant0	13.5	13.20	1.07	0.00	0.537	0.58
	802.11a	-	Rear Face	0.5	149	Ant0	13.5	13.20	1.07	-0.10	0.678	0.73
	802.11a	-	Right Side	0.5	149	Ant0	13.5	13.20	1.07	0.05	0.937	1.00
	802.11a	-	Top Side	0.5	149	Ant0	13.5	13.20	1.07	-0.08	0.977	1.05
	802.11a	-	Right Side	0.5	157	Ant0	13.5	13.01	1.12	-0.07	0.855	0.96
	802.11a	-	Right Side	0.5	165	Ant0	13.5	13.12	1.09	0.02	0.812	0.89
	802.11a	-	Right Side	0.5	149	Ant0	13.5	13.20	1.07	0.04	0.911	0.98
5	802.11a	-	Top Side	0.5	157	Ant0	13.5	13.01	1.12	-0.02	0.906	1.01
	802.11a	-	Top Side	0.5	165	Ant0	13.5	13.12	1.09	-0.05	0.915	1.00
	802.11a	-	Top Side	0.5	149	Ant0	13.5	13.20	1.07	0.02	0.956	1.02
	802.11a	-	Front Face	0.5	149	Ant1	12.5	12.34	1.04	0.01	0.262	0.27
	802.11a	-	Rear Face	0.5	149	Ant1	12.5	12.34	1.04	-0.07	0.378	0.39
	802.11a	-	Left Side	0.5	149	Ant1	12.5	12.34	1.04	-0.13	0.396	0.41
	802.11a	-	Top Side	0.5	149	Ant1	12.5	12.34	1.04	-0.02	0.49	0.51
	BT	2-DH5	Front Face	0.5	39	Ant0	8.5	8.27	1.05	-0.03	0.011	0.01
	BT	2-DH5	Rear Face	0.5	39	Ant0	8.5	8.27	1.05	0.00	0.025	0.03



	BT	2-DH5	Right Side	0.5	39	Ant0	8.5	8.27	1.05	0.03	0.006	0.01
	BT	2-DH5	Top Side	0.5	39	Ant0	8.5	8.27	1.05	-0.01	0.015	0.02



SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 , or when the original or repeated measurement is ≥ 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

Band	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio	2nd Repeated SAR-1g (W/kg)	L/S Ratio	3rd Repeated SAR-1g (W/kg)	L/S Ratio
802.11a	Right Side	52	0.913	0.883	1.03	N/A	N/A	N/A	N/A
802.11a	Top Side	56	0.842	0.834	1.01	N/A	N/A	N/A	N/A
802.11a	Right Side	116	0.835	0.813	1.03	N/A	N/A	N/A	N/A
802.11a	Right Side	149	0.937	0.911	1.03	N/A	N/A	N/A	N/A
802.11a	Top Side	149	0.977	0.956	1.02	N/A	N/A	N/A	N/A



Simultaneous Multi-band Transmission Evaluation

<SAR Summation Analysis>

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR_{1g} of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR_{1g} 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR_{1g} is greater than the SAR limit (SAR_{1g} 1.6 W/kg), SAR test exclusion is determined by the SPLSR.

No.	Conditions (SAR1 + SAR2)	Exposure Condition	Test Position	Max. SAR1	Max. SAR2	SAR Summation	SPLSR Analysis
1	MIMO WLAN 2.4G	Body	Front Face	0.07	0.06	0.13	ΣSAR < 1.6, Not required
			Rear Face	0.09	0.06	0.15	ΣSAR < 1.6, Not required
			Left Side		0.06	0.06	ΣSAR < 1.6, Not required
			Right Side	0.07		0.07	ΣSAR < 1.6, Not required
			Top Side	0.06	0.10	0.16	ΣSAR < 1.6, Not required
			Bottom Side				ΣSAR < 1.6, Not required
2	MIMO WLAN 5.2&5.3G	Body	Front Face	0.41	0.27	0.68	ΣSAR < 1.6, Not required
			Rear Face	0.77	0.34	1.11	ΣSAR < 1.6, Not required
			Left Side		0.68	0.68	ΣSAR < 1.6, Not required
			Right Side	1.03		1.03	ΣSAR < 1.6, Not required
			Top Side	0.92	0.66	1.58	ΣSAR < 1.6, Not required
			Bottom Side				ΣSAR < 1.6, Not required
3	MIMO WLAN 5.5G	Body	Front Face	0.34	0.44	0.78	ΣSAR < 1.6, Not required
			Rear Face	0.42	0.67	1.09	ΣSAR < 1.6, Not required
			Left Side		0.39	0.39	ΣSAR < 1.6, Not required
			Right Side	0.87		0.87	ΣSAR < 1.6, Not required
			Top Side	0.64	0.67	1.31	ΣSAR < 1.6, Not required
			Bottom Side				ΣSAR < 1.6, Not required
4	MIMO WLAN 5.8G	Body	Front Face	0.58	0.27	0.85	ΣSAR < 1.6, Not required
			Rear Face	0.73	0.39	1.12	ΣSAR < 1.6, Not required
			Left Side		0.41	0.41	ΣSAR < 1.6, Not required
			Right Side	1.00		1.00	ΣSAR < 1.6, Not required
			Top Side	1.05	0.51	1.56	ΣSAR < 1.6, Not required
			Bottom Side				ΣSAR < 1.6, Not required
5	WLAN 2.4G+BT	Body	Front Face	0.01	0.06	0.07	ΣSAR < 1.6, Not required
			Rear Face	0.03	0.06	0.09	ΣSAR < 1.6, Not required
			Left Side		0.06	0.06	ΣSAR < 1.6, Not required
			Right Side	0.01		0.01	ΣSAR < 1.6, Not required



			Top Side	0.02	0.10	0.12	Σ SAR < 1.6, Not required
			Bottom Side				Σ SAR < 1.6, Not required
6	WLAN 5.2&5.3G+BT	Body	Front Face	0.01	0.27	0.28	Σ SAR < 1.6, Not required
			Rear Face	0.03	0.34	0.37	Σ SAR < 1.6, Not required
			Left Side		0.68	0.68	Σ SAR < 1.6, Not required
			Right Side	0.01		0.01	Σ SAR < 1.6, Not required
			Top Side	0.02	0.66	0.68	Σ SAR < 1.6, Not required
			Bottom Side				Σ SAR < 1.6, Not required
3	WLAN 5.5G+BT	Body	Front Face	0.01	0.44	0.45	Σ SAR < 1.6, Not required
			Rear Face	0.03	0.67	0.70	Σ SAR < 1.6, Not required
			Left Side		0.39	0.39	Σ SAR < 1.6, Not required
			Right Side	0.01		0.01	Σ SAR < 1.6, Not required
			Top Side	0.02	0.67	0.69	Σ SAR < 1.6, Not required
			Bottom Side				Σ SAR < 1.6, Not required
4	WLAN 5.8G+BT	Body	Front Face	0.01	0.27	0.28	Σ SAR < 1.6, Not required
			Rear Face	0.03	0.39	0.42	Σ SAR < 1.6, Not required
			Left Side		0.41	0.41	Σ SAR < 1.6, Not required
			Right Side	0.01		0.01	Σ SAR < 1.6, Not required
			Top Side	0.02	0.51	0.53	Σ SAR < 1.6, Not required
			Bottom Side				Σ SAR < 1.6, Not required



Equipment List

Equipment	Manufacturer	Model	SN	Cal. Data	Cal. interval
System Validation Dipole	SPEAG	D2450V2	1081	May. 25, 2022	3 years
System Validation Dipole	SPEAG	D5GHzV2	1353	May. 27, 2022	3 years
Dosimetric E-Field Probe	SPEAG	EX3DV4	7628	July. 03, 2024	1 year
Data Acquisition Electronics	SPEAG	DAE4	1557	Oct. 08, 2024	1 year
Signal Analyzer	R&S	FSV	104408	May. 22, 2024	1 year
Vector Network Analyzer	R&S	ZNB 40	101544	May. 25, 2024	1 year
Dielectric assessment Kit	SPEAG	DAK-3.5	1327	Feb. . 25, 2025	1 year
Signal Generator	R&S	SMB 100B	101440	Sep. 23, 2024	1 year
Power Sensor	R&S	NRP18S-10	101843	Sep. 20, 2024	1 year
Power Sensor	R&S	NRP18S-10	101845	Sep. 20, 2024	1 year
DC Power Supply	Topward	3303D	810984	Sep. 20, 2024	1 year
Cavity Coupler	/	/	LS0300103	Jan. 08, 2025	1 year
Directional Coupler	/	SHX-DC04/12-20N	2206171042	Jan. 08, 2025	1 year
Coaxial attenuator	R&S	8491A	1424.6721k02-101845-HX	Sep. 20, 2024	1 year
Coaxial attenuator	R&S	8491A	1424.6721K02-101843-aM	Sep. 20, 2024	1 year
Digital Thermometer	LKM	DTM3000	3946	Jan. 13, 2025	1 year
temperature and humidity indicator	LINI-T	A10T	C193561473	Apr. 29, 2025	1 year
Power Amplifier Mini circuit	mini-circuits	ZVA-183W-S+	726202215	Jan. 08, 2025	1 year
PHANTOM	SPEAG	ELI V8.0	2171	N/A	N/A



Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Source of Uncertainty	Tolerance ($\pm$ %)	Probability Distribution	Divisor	Ci (1g)	Ci (10g)	Standard Uncertainty (1g)	Standard Uncertainty (10g)	Vi Veff
Measurement System Errors								
Probe Calibration	$\pm 12.7\%$	Normal ($k=2$)	2	1	1	$\pm 6.35\%$	$\pm 6.35\%$	∞
Probe Calibration Drift	$\pm 1.7\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.0\%$	$\pm 1.0\%$	∞
Probe Linearity	$\pm 4.7\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 2.7\%$	$\pm 2.7\%$	∞
Broadband Signal	$\pm 3.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.7\%$	$\pm 1.7\%$	∞
Probe Isotropy	$\pm 7.6\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 4.4\%$	$\pm 4.4\%$	∞
Other Probe + Electronic	$\pm 0.7\%$	Normal	1	1	1	$\pm 0.7\%$	$\pm 0.7\%$	∞
RF Ambient	$\pm 1.8\%$	Normal	1	1	1	$\pm 1.8\%$	$\pm 1.8\%$	∞
Probe Positioning	$\pm 0.006\text{mm}$	Normal	1	0.14	0.14	$\pm 0.10\%$	$\pm 0.10\%$	∞
Data Processing	$\pm 1.2\%$	Normal	1	1	1	$\pm 1.2\%$	$\pm 1.2\%$	∞
Phantom and Device Errors								
Conductivity (meas.) ^{DAK}	$\pm 2.5\%$	Normal	1	0.78	0.71	$\pm 2.0\%$	$\pm 1.8\%$	100
Conductivity (temp.) ^{BB}	$\pm 3.3\%$	Rectangular	$\sqrt{3}$	0.78	0.71	$\pm 1.5\%$	$\pm 1.4\%$	∞
Phantom Permittivity	$\pm 14.0\%$	Rectangular	$\sqrt{3}$	0	0	$\pm 0\%$	$\pm 0\%$	∞
Distance DUT – TSL	$\pm 2.0\%$	Normal	1	2	2	$\pm 4.0\%$	$\pm 4.0\%$	∞
Device Positioning	$\pm 2.4\%/\pm 2.8\%$	Normal	1	1	1	$\pm 2.8\%$	$\pm 2.8\%$	30
Device Holder	$\pm 3.4\%/\pm 3.5\%$	Normal	1	1	1	$\pm 3.5\%$	$\pm 3.5\%$	30
DUT Modulation ^m	$\pm 2.4\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.4\%$	$\pm 1.4\%$	∞
Time-average SAR	$\pm 1.7\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 1.0\%$	$\pm 1.0\%$	∞
DUT drift	$\pm 2.5\%$	Normal	1	1	1	$\pm 2.5\%$	$\pm 2.5\%$	30
Val Antenna Unc. ^{val}	$\pm 0.0\%$	Normal	1	1	1	$\pm 0\%$	$\pm 0\%$	
Unc. Input Power ^{val}	$\pm 0.0\%$	Normal	1	1	1	$\pm 0\%$	$\pm 0\%$	
Correction to the SAR results								
$C(\epsilon, \sigma)$	$\pm 1.9\%$	Normal	1	1	0.84	$\pm 1.9\%$	$\pm 1.6\%$	
SAR scaling ^p	$\pm 0.0\%$	Rectangular	$\sqrt{3}$	1	1	$\pm 0\%$	$\pm 0\%$	
Combined Standard Uncertainty (K = 1)						$\pm 12.54\%$	$\pm 12.44\%$	
Expanded Uncertainty (K = 2)						$\pm 25.1\%$	$\pm 24.9\%$	

Uncertainty budget for frequency range 300 MHz to 3 GHz



Source of Uncertainty	Tolerance (± %)	Probability Distribution	Divisor	Ci (1g)	Ci (10g)	Standard Uncertainty (1g)	Standard Uncertainty (10g)	Vi Veff
Measurement System Errors								
Probe Calibration	±13.9%	Normal (k=2)	2	1	1	± 6.95 %	± 6.95 %	∞
Probe Calibration Drift	±1.7%	Rectangular	√3	1	1	±1.0%	±1.0%	∞
Probe Linearity	±4.7%	Rectangular	√3	1	1	±2.7%	±2.7%	∞
Broadband Signal	±2.6%	Rectangular	√3	1	1	±1.5%	±1.5%	∞
Probe Isotropy	±7.6%	Rectangular	√3	1	1	±4.4%	±4.4%	∞
Other Probe + Electronic	±1.2%	Normal	1	1	1	±1.2%	±1.2%	∞
RF Ambient	±1.8%	Normal	1	1	1	±1.8%	±1.8%	∞
Probe Positioning	±0.005mm	Normal	1	0.29	0.29	±0.15%	±0.15%	∞
Data Processing	±2.3%	Normal	1	1	1	±2.3%	±2.3%	∞
Phantom and Device Errors								
Conductivity (meas.) ^{DAK}	±2.5%	Normal	1	0.78	0.71	±2.0%	±1.8%	60
Conductivity (temp.) ^{BB}	±3.3%	Rectangular	√3	0.78	0.71	±1.5%	±1.4%	∞
Phantom Permittivity	±14.0%	Rectangular	√3	0.25	0.25	±2%	±2%	∞
Distance DUT – TSL	±2.0%	Normal	1	2	2	±4.0%	±4.0%	∞
Device Positioning	±2.4%/±2.8%	Normal	1	1	1	±2.8%	±2.8%	30
Device Holder	±3.4%/±3.5%	Normal	1	1	1	±3.5%	±3.5%	30
DUT Modulation ^m	±2.4%	Rectangular	√3	1	1	±1.4%	±1.4%	∞
Time-average SAR	±1.7%	Rectangular	√3	1	1	±1.0%	±1.0%	∞
DUT drift	±2.5%	Normal	1	1	1	±2.5%	±2.5%	30
Val Antenna Unc. ^{val}	±0.0%	Normal	1	1	1	±0%	±0%	
Unc. Input Power ^{val}	±0.0%	Normal	1	1	1	±0%	±0%	
Correction to the SAR results								
Deviation to Target	±1.9%	Normal	1	1	0.84	±1.9%	±1.6%	
SAR scaling ^p	±0.0%	Rectangular	√3	1	1	±0%	±0%	
Combined Standard Uncertainty (K = 1)						±12.8%	±12.7%	
Expanded Uncertainty (K = 2)						±26.1%	±25.9%	

Uncertainty budget for frequency range 3 GHz to 6 GHz



Appendixes

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: SAR Plots of System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

Appendix B: SAR Plots of SAR Measurement

Appendix C: Calibration Certificate for probe and Dipole

Refer the appendix Calibration Report.

Appendix D : Photographs of EUT and setup



Important

- (1) The test report is invalid without the official stamp of CVC;
- (2) Any part photocopies of the test report are forbidden without the written permission from CVC;
- (3) The test report is invalid without the signatures of Approval and Reviewer;
- (4) The test report is invalid if altered;
- (5) Objections to the test report must be submitted to CVC within 15 days.
- (6) Generally, commission test is responsible for the tested samples only.
- (7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

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