



TEST REPORT

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-4904-0113 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR26-SPF0032-A Page (1) of (58)	KCTL
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1. Client

- Name : Samsung Electronics Co., Ltd.
- Address : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677
Rep. of Korea
- Date of Receipt : 2026-06-29

2. Use of Report : Certification

3. Name of Product and Model : Bluetooth Headset

- Model Number : SM-U600
- Manufacturer and Country of Origin : Samsung Electronics Co., Ltd. / VIETNAM

4. FCC ID : A3LSMU600

5. Date of Test : 2026-07-28

6. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing
 (Address: 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea)

7. Test Standards : IEEE 1528-2013, ANSI/IEEE C95.1, KDB Publication

8. Test Results : Refer to the test result in the test report

Affirmation	Tested by Name : Jaehong Oh (Signature)	Technical Manager Name : Hosik Sim (Signature)
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2026-08-21

Eurofins KCTL Co.,Ltd.

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REPORT REVISION HISTORY

Date	Revision	Page No
2026-08-10	Originally issued	-
2026-08-21	Updated normalized SAR value	15

Note: The Report No. KR26-SPF0032 is superseded by the report No. KR26-SPF0032-A.

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Statement concerning the uncertainty of the measurement systems used for the tests

(may be required by the product standard or client)

☐ Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the testing laboratory that conducted the testing.

☒ Statement not required by the standard or client used for type testing

1. Identification when information is provided by the customer: Information marked " # " is provided by the customer. - Disclaimer: This information is provided by the customer and can affect the validity of results.

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1. General information

Client : Samsung Electronics Co., Ltd.
 Address : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677,
 Rep. of Korea
 Manufacturer : Samsung Electronics Co., Ltd.
 Address : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677,
 Rep. of Korea
 Laboratory : Eurofins KCTL Co.,Ltd.
 Address : 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
 Accreditations : FCC Site Designation No: KR0040, FCC Site Registration No: 687132
 VCCI Registration No. : R-3327, G-198, C-3706, T-1849
 CAB Identifier: KR0040, ISED Number: 8035A
 KOLAS No.: KT231

1.1 Report Overview

This report details the results of testing carried out on the samples listed in section 2, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this test report is used in any configuration other than that detailed in the test report, the manufacturer must ensure the new configuration complies with all relevant standards and certification requirements. Any mention of Eurofins KCTL Co.,Ltd. Wireless lab or testing done by Eurofins KCTL Co.,Ltd. Wireless lab made in connection with the distribution or use of the tested product must be approved in writing by Eurofins KCTL Co.,Ltd. Wireless lab.

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2. Device information

2.1 Basic description

Product Name		Bluetooth Headset		
Product Model Number		SM-U600		
Product Manufacturer		Samsung Electronics Co., Ltd		
Product Serial Number	Radiation	R4AL600GC4K		
	Conduction	R4AL600GBWZ		
Mode of Operation		Bluetooth		
Tx Freq. Range		Band & Mode	Operating Modes	Tx Frequency(MHz)
		Bluetooth	Data	2 402.0 ~ 2 480.0

2.2 Summary of SAR Test Results

Band	Equipment Class	Highest Reported
		1g SAR (W/kg)
		Head
Bluetooth	DSS/DTS	0.69
Simultaneous SAR per KDB 690783 D01v01r03		N/A

2.3 #Antenna information

Band	Bluetooth
Antenna Type	Inverted-F Antenna
Peak gain (dBi)	-8.59

2.4 #Maximum Tune-up power

This device operates using the following maximum output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB Publication 447498 D04v01.

2.4.1 #Maximum Bluetooth Output Power

Band	Mode	Channel	Output Power (dBm)	
			Target	Max. Allowed
Bluetooth	BDR(GFSK)	All Channel	11.50	12.50
	EDR ($\pi/4$ DQPSK)	All Channel	8.50	9.50
	EDR(8DPSK)	All Channel	8.50	9.50
	LE(GFSK)	All Channel	9.50	10.50
	QHS	All Channel	9.50	10.50

2.5 #Simultaneous Transmission Configurations

Band	Scenario	Operation
Bluetooth	N/A	No

2.6 #DUT Antenna Locations

A diagram showing the location of the device antennas can be found in Appendix C.

Band	Device Edge for SAR Testing (Front View)					
	Front	Rear	Left	Right	Top	Bottom
Bluetooth	Yes	Yes	Yes	Yes	Yes	No

2.7 SAR Test Methods and Procedures

The tests documented in this report were performed in accordance with IEEE 1528-2013 and the following published KDB procedures:

- IEEE 1528-2013
- 447498 D04 General RF Exposure Guidance v01
- 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- 865664 D02 RF Exposure Reporting v01r02
- April 2019 TCB Workshop Notes (Tissue Simulating Liquids)
- October 2016 TCB Workshop Notes (Bluetooth Duty Factor)

3. Specific Absorption Rate

3.1 Introduction

The 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.

3.2 SAR Definition

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

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

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

SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = C \left(\frac{\delta T}{\delta t} \right)$$

Where: C is the specific heat capacity, δT is the temperature rise and δt is the exposure duration, or 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. However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

4. SAR Measurement Procedures

4.1 SAR Scan Procedures

Step 1: 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. The minimum distance of probe sensors to surface is 1.4 mm. This distance cannot be smaller than the Distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: Area Scan & Zoom 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 and Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. 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 & Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 mm ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2)$ mm 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.	
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5 · $\Delta z_{Zoom}(n-1)$ mm	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.

* When zoom scan is required and the reported SAR from the area scan based 1-g SAR estimation procedures of KDB Publication 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.

Step 3: Power drift measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

5. RF Exposure Limits

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.

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. This 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.

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Partial Peak SAR ¹⁾ (Partial)	1.60 mW/g	8.00 mW/g
Partial Average SAR ²⁾ (Whole Body)	0.08 mW/g	0.40 mW/g
Partial Peak SAR ³⁾ (Hands/Feet/Ankle/Wrist)	4.00 mW/g	20.00 mW/g

- 1) The spatial Peak value of the SAR averaged over any 1g gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
- 2) The spatial Average value of the SAR averaged over the whole body.
- 3) The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

6. SAR General Measurement Procedures

6.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D04v01, When SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.

For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter.

When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported SAR. Test highest reported SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

6.2 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. A periodic duty factor is required for current generation SAR systems to measure SAR. 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. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

7. RF Average Conducted Output Power

Power Measurement Setup

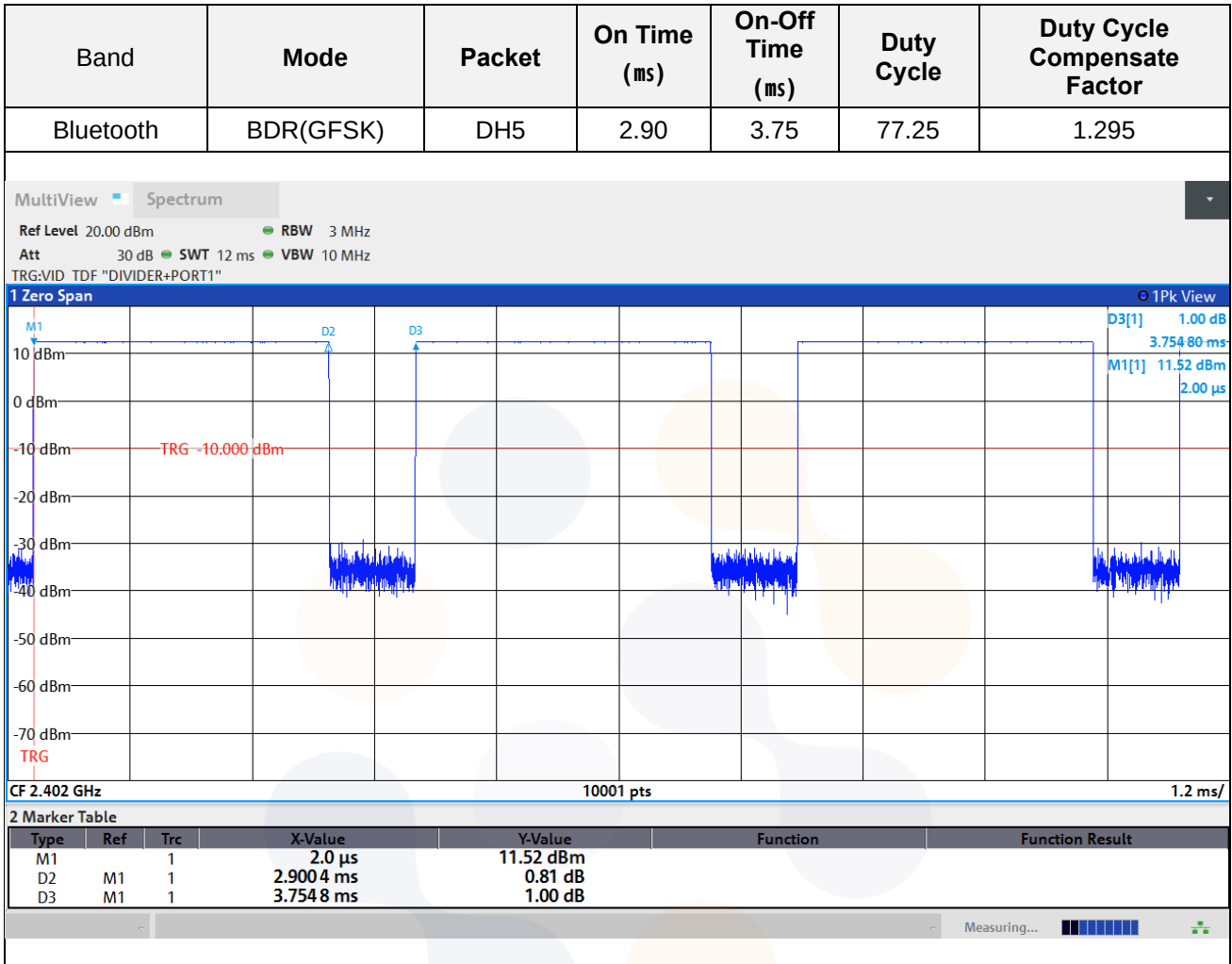


7.1 Bluetooth Average Conducted Output Power

Mode	Freq. [MHz]	Channel	Maximum Average Power (dBm)
BDR_DH5 (1 Mbps)	2 402.0	0	11.38
	2 441.0	39	12.11
	2 480.0	78	11.78
EDR_2-DH5 (2 Mbps)	2 402.0	0	8.09
	2 441.0	39	8.70
	2 480.0	78	8.47
EDR_3-DH5 (3 Mbps)	2 402.0	0	8.11
	2 441.0	39	8.72
	2 480.0	78	8.47
LE (1 Mbps 37)	2 402.0	0	10.19
	2 440.0	19	10.09
	2 480.0	39	9.96
LE (1 Mbps 255)	2 402.0	0	10.16
	2 440.0	19	10.09
	2 480.0	39	9.94
LE (2 Mbps 37)	2 404.0	0	10.24
	2 440.0	19	10.10
	2 478.0	39	9.98
LE (2 Mbps 255)	2 404.0	0	10.22
	2 440.0	19	10.07
	2 478.0	39	9.92
QHS (2 Mbps_339)	2 404.0	0	9.93
	2 440.0	19	9.84
	2 478.0	39	9.78
QHS (2 Mbps_1023)	2 404.0	0	10.07
	2 440.0	19	9.96
	2 478.0	39	9.91
QHS (3 Mbps_339)	2 404.0	0	9.96
	2 440.0	19	9.86
	2 478.0	39	9.79
QHS (3 Mbps_1023)	2 404.0	0	10.04
	2 440.0	19	9.95
	2 478.0	39	9.89

Mode	Freq. [MHz]	Channel	Maximum Average Power (dBm)
QHS (4 Mbps_339)	2 404.0	0	10.00
	2 440.0	19	9.91
	2 478.0	39	9.85
QHS (4 Mbps_1023)	2 404.0	0	10.01
	2 440.0	19	9.92
	2 478.0	39	9.87
QHS (5 Mbps_339)	2 404.0	0	10.06
	2 440.0	19	9.97
	2 478.0	39	9.90
QHS (5 Mbps_1023)	2 404.0	0	10.08
	2 440.0	19	9.99
	2 478.0	39	9.91
QHS (6 Mbps_339)	2 404.0	0	10.07
	2 440.0	19	10.00
	2 478.0	39	9.92
QHS (6 Mbps_1023)	2 404.0	0	10.09
	2 440.0	19	10.02
	2 478.0	39	9.93

7.2 Wireless Band Duty Cycle



Note: Duty Cycle Compensate Factor = Max allowed Duty Cycle / Measured Duty Cycle.

8. System Verification

8.1 Measurement date and environment

Shield room	Date	Environment	
		Temperature (°C)	Humidity (%)
8F - 4	2026-07-28	21.7 ~ 21.8	57.2 ~ 57.5

8.2 Tissue Verification

The dielectric properties for this Tissue Simulant Liquids were measured by using the SPEAG Model DAK3.5 Dielectric Probe in conjunction with Agilent E5071B Network Analyzer (300 kHz – 8 500 MHz). The Conductivity (σ) and Permittivity (ϵ_r) are listed in Table 1. For the SAR measurement given in this report. The temperature variation of the Tissue Simulant Liquids was (22 ± 2) °C.

Freq. (MHz)	Date	Recommended Limit / Measured		Temp. (°C)
		Permittivity (ϵ_r)	Conductivity (σ)	
2 450.0	2026-07-28	$39.20 \pm 5 \%$ (37.24~41.16)	$1.80 \pm 5 \%$ (1.71~1.89)	22 $\pm$ 2
		37.70	1.76	21.49

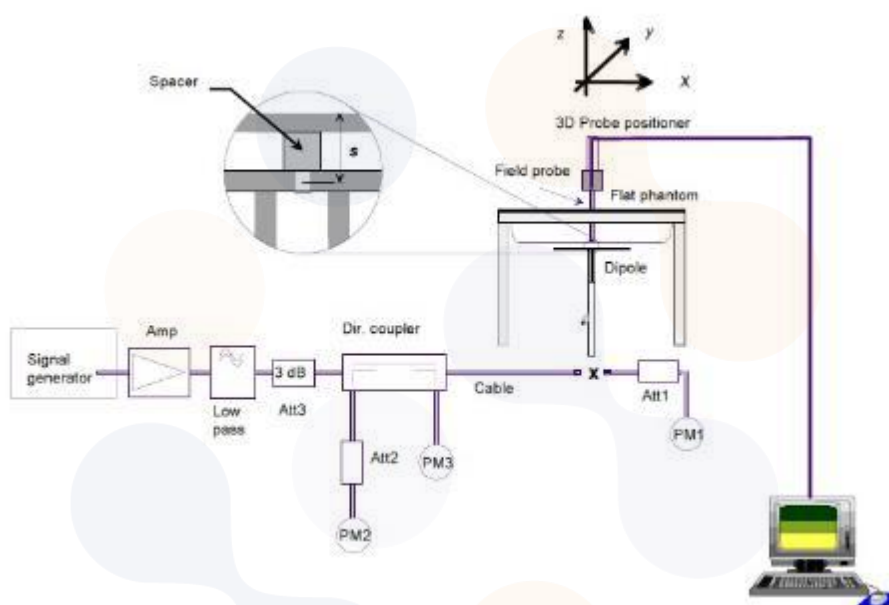
<Table 1.Measurement result of Tissue electric parameters>

8.3 Test System Verification

The microwave circuit arrangement for system verification is sketched below picture.

The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within $\pm 10\%$ from the target SAR values. The tests were conducted on the same days as the measurement of the EUT. The obtained results from the system accuracy verification are displayed in the Table 2.

During the tests, the ambient temperature of the laboratory was in the range $(22 \pm 2) ^\circ\text{C}$, the relative humidity was in the range $(50 \pm 20)\%$ and the liquid depth Above the ear/grid reference points was above 15 cm in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



Frequency (MHz)	Tissue Type	Probe S/N	Verification Kit	Date	Limit/Measured (Normalized to 1 W)
					Recommended Limit 1g (Normalized)
2 450.0	HSL	EX3DV4 SN: 3928	D2450V2 SN: 895	2026-07-28	52.60 $\pm$ 10 % (47.34~57.86)
					53.10

<Table 2. System Verification>

9. SAR Test Results

Bluetooth										
Mode	EUT Position	Distance (mm)	Frequency (MHz)	Measured Conducted Power (dBm)	Max. Tune-up Power (dBm)	Power Scaling Factor	Duty Cycle Compensate Factor	Measured 1 g SAR (W/kg)	Reported 1 g SAR (W/kg)	Plot No.
BDR_DH5	Front	0	2 441.0	12.11	12.50	1.094	1.295	0.050	0.071	
	Rear	0	2 441.0	12.11	12.50	1.094	1.295	0.487	0.690	1
	Left	0	2 441.0	12.11	12.50	1.094	1.295	0.068	0.096	
	Right	0	2 441.0	12.11	12.50	1.094	1.295	0.087	0.123	
	Top	0	2 441.0	12.11	12.50	1.094	1.295	0.214	0.303	

General Notes:

1. According to test procedures specified in IEEE1528-2013 and FCC KDB publication 447498 D04v01, the DUT was tested in all operating configurations, but only worst-case SAR values were reported
2. Only standard batteries were used for all tests and fully charged.
3. The depth of tissue-equivalent liquids in the phantom was at least 15cm.
4. The manufacturer guarantees that the tested devices have same physical, mechanical and thermal characteristics and meet the requirements for expected operational tolerances.
5. Measured SAR values were scaled up by applying the power scaling factor to comply FCC KDB publication 447498 D04v01

Bluetooth Notes:

1. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance.
2. During the test, the Bluetooth transmission was monitored through the spectrum analyzer.

10. SAR Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1) **Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg.**
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.
- 3) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
- 4) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

Band	Mode	Frequency (MHz)	EUT Position	Separation Distance (mm)	Measured 1 g/ 10g SAR (W/kg)	Measured 1 g/ 10g SAR (W/kg)	Ratio
N/A							

11. Measurement Uncertainty

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Standard 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.



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12. Test Equipment Information

Test Platform	SPEAG DASY5 System			
Version	DASY6: 16.4.0.5005			
Location	Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea			
Manufacture	SPEAG			
Hardware Reference				
Equipment	Model	Serial Number	Date of Calibration	Due date of next Calibration
Shield Room	-	8F - 4	-	-
DASY6 Robot	TX60 Lspeag	F/19/0007289/A/001	-	-
Phantom	Twin SAM Phantom	1984	-	-
Mounting Device	Mounting Device	-	-	-
DAE	DAE4	1586	2026-04-22	2027-04-22
Probe	EX3DV4	3928	2026-01-22	2027-01-22
MICROWAVE GENERATOR	SMP02	100295	2025-12-12	2026-12-12
Dual Power Meter	EPM-442A	GB37480680	2026-02-10	2027-02-10
Power Sensor	8481H	2703A11902	2026-04-24	2027-04-24
	8481H	3318A18090	2026-04-24	2027-04-24
Attenuator	PE7005-10	2228-4	2026-01-12	2027-01-12
	PE7005-10	2228-5	2025-12-11	2026-12-11
	PE7005-10	2228-6	2025-12-11	2026-12-11
Dual Directional Coupler	772D	2839A160504	2026-04-24	2027-04-24
Power Amplifier	AMP2027ADB	10005	2026-04-23	2027-04-23
Low Pass Filter	PE8725	2144	2025-12-11	2026-12-11
Dipole Validation Kits	D2450V2	895	2025-09-16	2027-09-16
ENA Series Network Analyzer	E5071B	MY42403524	2026-02-10	2027-02-10
Dielectric Assessment Kit	DAK-3.5	1078	2026-05-11	2027-05-11
Humidity/Temp	MHB-382SD	46301	2026-02-13	2027-02-13
Wideband Radio Communication Tester	CMW500	132120	2026-04-24	2027-04-24
MXA SIGNAL ANALYZER	N9020A	MY520900024	2026-02-10	2027-02-10

13. Test System Verification Results

Eurofins KCTL Co.,Ltd.

Measurement Report for D2450V2 - SN895, FRONT, D2450, UID 0 -, (2450.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
D2450V2 - SN895, Speag	10.0 x 10.0 x 290.0	895	Validation Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 10.00	D2450	CW, 0--	2450.000	7.17	1.76	37.7

Hardware Setup

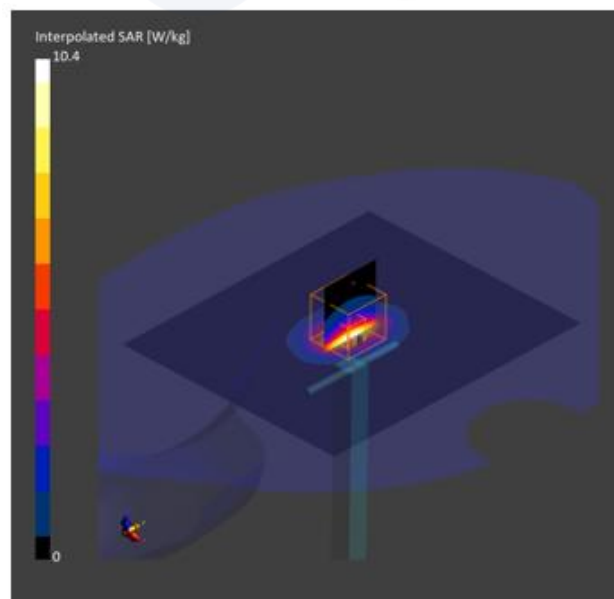
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 - 1984	HBBL-600-10000 , 2026- 07-28	EX3DV4 - SN3928, 2026- 01-22	DAE4 Sn1586, 2026-04- 22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 144.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-28	2026-07-28
psSAR1g [W/kg]	5.16	5.31
psSAR8g [W/kg]	2.63	2.72
psSAR10g [W/kg]	2.37	2.47
psAPD (1.0cm2, sq) [W/m2]		N/A
psAPD (4.0cm2, sq) [W/m2]		N/A
Power Drift [dB]		0.01
Peak SAR [W/kg]		10.4



14. Test Results

1)

Eurofins KCTL Co.,Ltd.

Measurement Report for SM-U600, BACK, ISM 2.4 GHz Band, UID 10032 CAA, Channel 39 (2441.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
SM-U600, SAMSUNG	57.0 x 21.0 x 17.0	R4AL600GC4K	Bluetooth Headset

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.000, 39	7.17	1.75	37.7

Hardware Setup

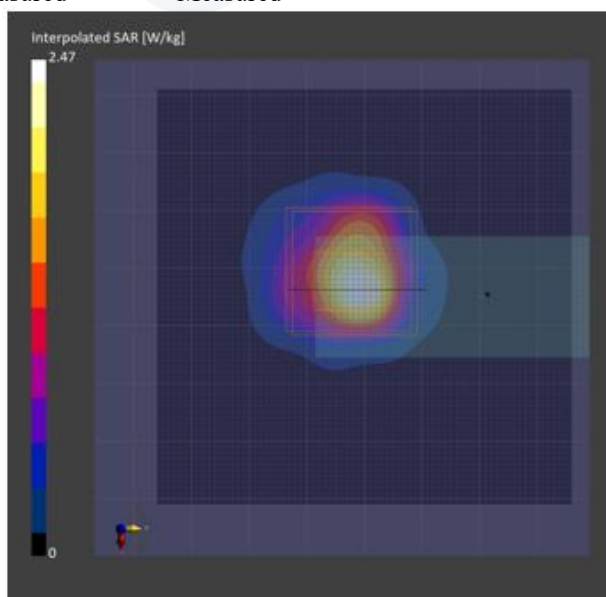
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 - 1984	HBBL-600-10000, 2026-07-28	EX3DV4 - SN3928, 2026-01-22	DAE4 Sn1586, 2026-04-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 72.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	12.0 x 12.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-28	2026-07-28
psSAR1g [W/kg]	0.392	0.487
psSAR8g [W/kg]	0.175	0.171
psSAR10g [W/kg]	0.153	0.148
psAPD (1.0cm2, sq) [W/m2]		N/A
psAPD (4.0cm2, sq) [W/m2]		N/A
Power Drift [dB]		-0.15
Peak SAR [W/kg]		2.47



Appendixes List

Appendix A	A.1 Probe Calibration certificate (EX3DV4_3928) A.2 Dipole Calibration certificate (D2450V2_895)
Appendix B	SAR Tissue Specification
Appendix C	#Antenna Location & Distance
Appendix D	EUT Photo
Appendix E	Test Setup Photo

