

SAR EVALUATION REPORT

FCC 47 CFR § 2.1093 IEEE Std 1528-2013

For Smart Phone

FCC ID: BCG-E8960A, BCG-E8961A, and BCG-E8962A Model Name: A3525, A3526, and A3527

> Report Number: 15496252-S1V1 Issue Date: 8/11/2025

Prepared for APPLE INC. 1 APPLE PARK WAY CUPERTINO, CA 95014-2084

Prepared by
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET
FREMONT, CA 94538, U.S.A.
TEL: (510) 771-1000
FAX: (510) 661-0888





Revision History

Rev.	Date	Revisions	Revised By
V1	8/11/2025	Initial Issue	

Table of Contents

1.	Attestation of Test Results	4
2.	Test Specification, Methods and Procedures	5
3.	Facilities and Accreditation	6
4.	SAR Measurement System & Test Equipment	7
4.1.	SAR Measurement System	7
4.2.	SAR Scan Procedures	8
4.3.	Power Density Measurement Procedures	10
4.3	3.1. System Verification Scan Procedures	10
4.3	3.2. Scan Procedures	10
4.4.	Test Equipment	11
5.	Measurement Uncertainty	13
6.	Dielectric Property Measurements & System Check	14
6.1.	SAR Dielectric Property Measurements and System Checks	
6.2.	System Check	
6.3.	Power Density System Performance Check	
7.	Test Rationale	18
7.1.	Purpose	18
7.2.	Data Reuse Approach	18
8.	Measured and Reported (Scaled) Results	19
8.1.	SAR Spot Check Results	19
8.2.	Wi-Fi 6 GHz (U-NII 5-8 Bands) Power Density	19
Appen	dixes	22
Appe	endix A: SAR Setup Photos	22
Арре	endix B: SAR System Check Plots	22
Арре	endix C: SAR Highest Test Plots	22
	endix D: SAR Tissue Ingredients	
Appe	endix E: SAR Probe Certificates	22
Appe	endix F: SAR Dipole Certificates	22
Appe	endix G: 5G Verification source Certificate	22

1. Attestation of Test Results

Applicant Name	APPLE INC								
FCC ID	BCG-E8960A, BCG-E8961A, and BCG-E8962A								
Model Name	A3525, A3526, and A3527	· · · · · ·							
Applicable Standards	FCC 47 CFR § 2.1093 IEEE Std 1528-2013	FCC 47 CFR § 2.1093							
		SAR Limi	its (W/Kg)						
Exposure Category	Peak spati (1g of	· · · · · ·	Extremities (hands, (10g of						
General population / Uncontrolled exposure	1.	6	4	ļ					
DE Eveneure Conditions		Exposure Condition - High	hest Reported SAR (W/kg)						
RF Exposure Conditions	Head	Body	Hotspot	Extremity					
Worst Case from BCG-E8950A (A3257)	1.189	1.188	1.187	2.936					
BCG-E8960A (A3525)	0.984	1.077	0.910	2.554					
BCG-E8961A (A3526)	1.179	1.083	0.905	2.530					
BCG-E8962A (A3527)	1.067	1.114	0.967	N/A					
	Radiofrequency (RF) Radiation Exposure (above 6GHz)								
Exposure Category /	⊠ Unco	ontrolled	☐ Occupational/controlled						
Applicable limit	(mW/cm² over 4 cm²) 30 min average		(mW/cm² over 4 cm²) 6 min average						
	1.	0	5						
Worst Case from		Highest Reported PD Re	esult (mW/cm² over 4cm²)						
BCG-E8950A (A3257)		0.6	691						
BCG-E8960A (A3525)		0.6	663						
BCG-E8961A (A3526)	0.678								
BCG-E8962A (A3527)	0.662								
Date Tested	6/22/2025 to 8/1/2025								
Test Results	Pass			Pass					

This application for certification is leveraging the data referencing procedure from KDB 484596 D01; Referencing Test Data (Remarks on Test Reductions via Data Referencing for Closely Related Products) based on reference FCC ID: **BCG-E8950A** (UL SAR report **15496249-S1**) to cover variants FCC ID: **BCG-E8960A**, **BCG-E8961A**, and **BCG-E8962A**. The major difference between the reference model and the variant models is the depopulation of the mmWave transmitter in the variant models.

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to ensure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not considered unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government.

Approved & Released By:	Prepared By:
Ten Coop	Silva
Devin Chang	Alvino Miguel Silva
Senior Laboratory Engineer	Laboratory Engineer
UL Verification Services Inc.	UL Verification Services Inc.

2. Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093, IEEE Std 1528-2013, the following FCC Published RF exposure KDB procedures:

- o 248227 D01 802.11 Wi-Fi SAR v02r02
- o 447498 D01 General RF Exposure Guidance v06
- 447498 D03 Supplement C Cross-Reference v01
- 484596 D01 Referencing Test Data v03
- 648474 D04 Handset SAR v01r03
- 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- 865664 D02 RF Exposure Reporting v01r02
- 941225 D01 3G SAR Procedures v03r01
- o 941225 D05 SAR for LTE Devices v02r05
- o 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02
- o 941225 D06 Hotspot Mode v02r01
- o 941225 D07 UMPC Mini Tablet v01r02

In addition to the above, the following information was used:

- TCB Workshop October 2014; RF Exposure Procedures (Other LTE Considerations)
- TCB Workshop April 2015; RF Exposure Procedures (Overlapping LTE Bands)
- TCB Workshop October 2015; RF Exposure Procedures (KDB 941225 D05A)
- TCB Workshop April 2016; RF Exposure Procedures (LTE Carrier Aggregation for DL)
- TCB Workshop October 2016; RF Exposure Procedures (LTE Carrier Aggregation for UL)
- TCB Workshop October 2016; RF Exposure Procedures (Bluetooth Duty Factor)
- TCB Workshop October 2016; RF Exposure Procedures (DUT Holder Perturbations)
- TCB Workshop May 2017; RF Exposure Procedures (Broadband Liquid Above 3 GHz)
- o TCB Workshop May 2017; RF Exposure Procedures (Handheld RFID/Barcode Scanners)
- TCB Workshop May 2017; RF Exposure Procedures (LTE Band 41 Power Class 2)
- TCB Workshop November 2017; RF Exposure Procedures (LTE UL/DL Carrier Aggregation SAR)
- TCB Workshop April 2018; RF Exposure Procedures (LTE DL CA SAR Test Exclusion)
- TCB Workshop October 2018; RF Exposure Procedures (LTE Inter-Band Uplink Carrier Aggregation Interim Procedures)
- TCB Workshop April 2019; RF Exposure Procedures (802.11ax SAR Testing)
- TCB Workshop November 2019; RF Exposure Policy Updates (5G NR FR1 NSA EN-DCUE SAR Evaluations)
- TCB workshop October 2020; 5G and RF Exposure Procedures (U-NII 6-7 GHz SAR Testing)
- TCB Workshop April 2021; RF Exposure Procedures (Remarks on Test Reductions via Data Referencing for Closely Related Products)

PD

- 447498 D01 General RF Exposure Guidance v06
- 865664 D02 RF Exposure Reporting v01r02
- o 388624 D02 Pre-Approval Guidance List v18r05
- o 248227 D01 802.11 Wi-Fi SAR v02r02
- SPEAG DASY8 System Handbook; part 4 DASY8 Module mmWave
- SPEAG DASY8 Application Note: SAR, APD & PD at 6 10 GHz (Version 5), April 2022
- IEC/IEEE 63195-1:2022 Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 1: Measurement procedure
- o TCB workshop November 2017; RF Exposure Procedures (Power Density Evaluation)
- TCB workshop October 2018; RF Exposure Procedures (Millimeter Wave Assessment)
- o TCB workshop April 2019; RF Exposure Procedures (Millimeter Wave RF Exposure Evaluation)
- TCB workshop November 2019; RF Exposure Procedures (Millimeter Wave Scan Requirements)
- o TCB workshop October 2020; RF Exposure Procedures (U NII 6-7 GHz RF Exposure)
- o <u>TCB workshop</u> October 2022; RF Exposure Policies and Procedures (f-above-6 GHz Portable Devices)

3. Facilities and Accreditation

The test sites and measurement facilities used to collect data are located at

47173 Benicia Street	47266 Benicia Street
SAR Labs A to I	SAR Labs 1 to 26

UL Verification Services Inc. is accredited by A2LA, Certificate Number 0751.05

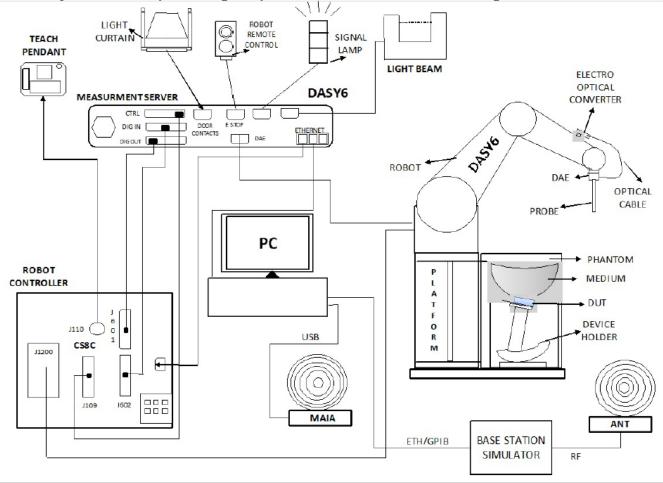
The Test Lab Conformity Assessment Body Identifier (CABID)

Location	CABID	Company Number
47173 Benicia Street, Fremont, CA, 94538 UNITED STATES	1100404	22244
47266 Benicia Street, Fremont, CA, 94538 UNITED STATES	US0104	2324A

4. SAR Measurement System & Test Equipment

4.1. SAR Measurement System

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, ADconversion, 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 Win10 and the DASY6/8¹ 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.

UL Verification Services Inc.

Page 7 of 22

¹ DASY6/8 software used: DASY6.16.2 or DASY8.16.2 and older generations.

4.2. 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 2.1 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

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 locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEC/IEEE 62209-1528, 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 KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	$3 - 4 \text{ GHz:} \le 12 \text{ mm}$ $4 - 6 \text{ GHz:} \le 10 \text{ mm}$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}	When the x or y dimension of measurement plane orientation the measurement resolution in x or y dimension of the test of measurement point on the test.	on, is smaller than the above, must be \leq the corresponding device with at least one

Step 3: Zoom Scan

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. The Zoom Scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

			≤3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}			\leq 2 GHz: \leq 8 mm 2 – 3 GHz: \leq 5 mm	$3 - 4 \text{ GHz: } \le 5 \text{ mm}^*$ $4 - 6 \text{ GHz: } \le 4 \text{ mm}^*$
	uniform grid: $\Delta z_{Z_{00m}}(n)$		≤ 5 mm	$3 - 4 \text{ GHz: } \le 4 \text{ mm}$ $4 - 5 \text{ GHz: } \le 3 \text{ mm}$ $5 - 6 \text{ GHz: } \le 2 \text{ mm}$
Maximum zoom scan spatial resolution, normal to phantom surface	graded grid $ \begin{array}{c} \text{1st two points} \\ \text{to phantom st} \\ \Delta z_{\text{Zoom}}(n>1) \end{array} $	Δz _{Zoom} (1): between 1 st two points closest to phantom surface	≤ 4 mm	$3 - 4 \text{ GHz: } \le 3 \text{ mm}$ $4 - 5 \text{ GHz: } \le 2.5 \text{ mm}$ $5 - 6 \text{ GHz: } \le 2 \text{ mm}$
		Δz _{Zoom} (n>1): between subsequent points	≤ 1.5·Δz	$\cdot \Delta z_{Zoom}(n-1)$
Minimum zoom scan volume	X V 7		≥ 30 mm	$3 - 4 \text{ GHz:} \ge 28 \text{ mm}$ $4 - 5 \text{ GHz:} \ge 25 \text{ mm}$ $5 - 6 \text{ GHz:} \ge 22 \text{ mm}$

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

Step 4: 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.

^{*} When zoom scan is required and the <u>reported</u> SAR from the <u>area scan based 1-g SAR estimation</u> 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.

4.3. Power Density Measurement Procedures

4.3.1. System Verification Scan Procedures

cDASY6/8 Module mmWave supports "5G Scan", a fine resolution scan performed on two different planes which is used to reconstruct the E- and H-fields as well as the power density; the average power density is derived from this measurement.

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 devise under test.

Step 2: 5G Scan

The steps in the X, Y, and Z directions are specified in terms of fractions of the signal wavelength, lambda. Area Scan Parameters extracted from SPEAG cDASY6 System Handbook; part 4 cDASY6/8 Module mmWave.

Recommended settings for measurement of verification sources

Frequency	Grid		Grid extent X/Y	Measurement
[GHz]	step		[mm]	points
10	0.125	$\left(\frac{\lambda}{8}\right)$	60/60	18×18
30	0.25	$\left(\frac{\lambda}{4}\right)$	60/60	26×26
45	0.25	$\left(\frac{\lambda}{4}\right)$	42/42	28×28
60	0.25	$\left(\frac{\lambda}{4}\right)$	32.5/32.5	28×28
90	0.25	$\left(\frac{\lambda}{4}\right)$	30/30	38×38

The minimum distance of probe sensors to the verification source surface, horn antenna, is 10 mm for 10 GHz and 5.55mm for 30 GHz and above.

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.

When the drift is larger than ± 5 %, the test is repeated from step1.

4.3.2. Scan Procedures

Step 1: Power Reference Measurement

Same as System Verification Scan Procedures step 1.

Step 2: 5G Scan

Same as System Verification Scan Procedures step 2. But measurement area is defined based on TCB workshop April 2019, "A sufficiently large measurement region and proper measurement spatial resolution are required to maintain field reconstruction accuracy".

-Fields at the measurement region boundary should be ~20-30 dB below the peaks

Step 3: Power drift measurement

Same as System Verification Scan Procedures step 3.

When the drift is smaller than ± 5 %, it is considered in the uncertainty budget if drifts larger than 5%, uncertainty is re-calculated.

Page 10 of 22

4.4. Test Equipment

The measuring equipment used to perform the tests documented in this report has been calibrated in accordance with the manufacturers' recommendations and is traceable to recognized national standards.

Dielectric Property Measurements

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
S-Parameter Network Analyzer	Rohde & Schwarz	ZNLE6	171919	2/28/2026
Dielectric Probe kit	SPEAG	DAK-3.5 Probe	1087	9/4/2025
Shorting Block	SPEAG	DAK-3.5 Short	T059	N/A
Thermometer	Fisher Scientific	Traceable	240054866	1/31/2026
Dielectric Probe kit	SPEAG	DAK-12 Probe	167145	1/31/2026
Shorting Block	SPEAG	DAK-12 Short	167145	1/31/2026
Vector Network Analyzer	Copper Mountain Tech	R140N	21130078	1/1/2026
Dielectric Probe kit	SPEAG	DAK-3.5	1103	2/10/2026
Shorting Block	SPEAG	DAK-3.5 Short	SM DAK 200 BA	2/28/2026
Thermometer	Fisher Scientific	Traceable	240029160	1/31/2026
S-Parameter Network Analyzer	Rohde & Schwarz	ZNLE6	3.0012K56-101274	2/28/2026
Dielectric Probe kit	SPEAG	DAK-3.5	1082	4/14/2026
Shorting Block	SPEAG	DAK-3.5 Short	SM DAK 200 BA	4/14/2026
Thermometer	Fisher Scientific	Traceable	240029257	1/31/2026

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Signal Generator	R&S	SMB100A	168412	1/31/2026
Wideband Power Sensor	Agilent	N1921A	80119	1/31/2026
Pow er Sensor	R&S	NRP18A	171443	2/28/2026
Pow er Meter	HP	437B	82600	1/31/2026
Directional coupler	Mini-circuits	ZUDC10-183+	PRE0181620	N/A
Multimeter	Fluke	26111	81103	1/31/2026
Multimeter	Fluke	87	29458	1/31/2026
Pow er Meter	Keysight	N1911A	1684412	1/31/2026
DC Pow er Supply	HP	6296A	T1363	N/A
DC Pow er Supply	Sorensen	XT 15-4	PRE0178948	N/A
Pow er Source	SPEAG	POWERSOURCE1	4371	4/1/2025
Pow er Source	SPEAG	POWERSOURCE1	4378	5/9/2025
Pow er Source	SPEAG	POWERSOURCE1	4348	12/11/2025
Signal Generator	R&S	SMB100A	6.6000K03-180968	2/28/2026
DC Pow er Supply	Sorensen Ametek	XT 15-4	1319A02780	N/A
Pow er Sensor	Agilent	8481A	2349A36506	9/16/2016
Pow er Sensor	Agilent	8481A	3318A92374	9/16/2016
Amplifier	MITEQ	AMF-4D-00400600-50-30P	1795092	N/A
Bi-directional coupler	Werlatone	C8060-102	4062	N/A
Bi-directional coupler	Mini-Circuits	ZUDC10-183+	1722	N/A
Bi-directional coupler	Werlatone	C8060-102	2149	N/A

Note(s):

^{*}Equipment not used past calibration due date.

Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
E-Field Probe (SAR Lab D)	SPEAG	EX3DV4	3885	11/5/2025
E-Field Probe (SAR Lab 18)	SPEAG	EX3DV4	7807	5/8/2026
E-Field Probe (SAR Lab 22)	SPEAG	EUmmWV4	9619	3/5/2026
E-Field Probe (SAR Lab 23)	SPEAG	EUmmWV4	9532	2/17/2026
E-Field Probe (SAR Lab 24)	SPEAG	EX3DV4	7335	1/13/2026
E-Field Probe (SAR Lab 25)	SPEAG	EUmmWV4	9493	1/13/2026
Data Acquisition Electronics (SAR Lab D)	SPEAG	DAE4	1359	1/8/2026
Data Acquisition Electronics (SAR Lab 18)	SPEAG	DAE4	1796	5/9/2026
Data Acquisition Electronics (SAR Lab 22)	SPEAG	DAE4	1540	1/8/2026
Data Acquisition Electronics (SAR Lab 23)	SPEAG	DAE4	1548	2/7/2026
Data Acquisition Electronics (SAR Lab 24)	SPEAG	DA E4ip	1892	3/4/2026
Data Acquisition Electronics (SAR Lab 25)	SPEAG	DAE4	1716	3/11/2026
System Validation Dipole	SPEAG	D1640V2	324	6/13/2026
System Validation Dipole	SPEAG	D1750V2	1053	10/13/2025
System Validation Dipole	SPEAG	D2600V2	1036	4/11/2026
5G Verification Source	SPEAG	10GHz	1015	9/6/2025

Note(s)

Dipole Calibration Date has been extended past 1 year. Impedance measurements have been performed to validate Dipole performance.

Other

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Base Station Simulator	R&S	CMW500	124593-SS	2/28/2026
Base Station Simulator	R&S	CMW500	135384	2/28/2026
Base Station Simulator	R&S	CMW500	137873	2/28/2026
Base Station Simulator	R&S	CMW500	259688	3/31/2026
Pow er Meter	Keysight	N1911A	MY55196015	1/31/2026
Pow er Meter	Keysight	N1921A	MY 55296004	1/31/2026
Pow er Sensor	Aligent	N1921A	MY53260010	1/31/2026

5. Measurement Uncertainty

SAR

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

Power Density

T OWC: B	-						
	а	b	С	d f(d,k)	е	f = b×e/d	g
	Error Description	Unc.Value (±dB)	Probab. Distri.	Div.	ci	Std. Unc. (±dB)	vi
Uncertain	ty terms dependent on the measuremen	nt system					
CAL	Calibration Repeatability	0.49	Normal	1	1	0.49	∞
COR	Probe correction	0	Rectangular	1.732	1	0.00	∞
FRS	Frequency response (BW 🗆1 GHz)	0.20	Rectangular	1.732	1	0.12	∞
SCC	Sensor cross coupling	0	Rectangular	1.732	1	0.00	∞
ISO	Isotropy	0.50	Rectangular	1.732	1	0.29	∞
LIN	Linearity	0.20	Rectangular	1.732	1	0.12	∞
PSC	Probe scattering	0	Rectangular	1.732	1	0.00	∞
PPO	Probe positioning oset	0.30	Rectangular	1.732	1	0.17	∞
PPR	Probe positioning repeatability	0.04	Rectangular	1.732	1	0.02	∞
SMO	Sensor mechanical oset	0	Rectangular	1.732	1	0.00	∞
PSR	Probe spatial resolution	0	Rectangular	1.732	1	0.00	∞
FLD	Field impedance dependance	0	Rectangular	1.732	1	0.00	∞
APD	Amplitude and phase drift	0	Rectangular	1.732	1	0.00	∞
APN	Amplitude and phase noise	0.04	Rectangular	1.732	1	0.02	∞
TR	Measurement area truncation	0	Rectangular	1.732	1	0.00	∞
DAQ	Data acquisition	0.03	Normal	1	1	0.03	8
SMP	Sampling	0	Rectangular	1.732	1	0.00	8
REC	Field reconstruction	0.60	Rectangular	1.732	1	0.35	∞
TRA	Forward transformation	0	Rectangular	1.732	1	0.00	8
SCA	Power density scaling	_	Rectangular	1.732	1	-	8
SAV	Spatial averaging	0.10	Rectangular	1.732	1	0.06	8
SDL	System detection limit	0.04	Rectangular	1.732	1	0.02	8
Uncertain	ty terms dependent on the DUT and env	ironmental f	actors				
PC	Probe coupling with DUT	0	Rectangular	1.732	1	0	8
MOD	Modulation response	0.40	Rectangular	1.732	1	0.23	8
IT	Integration time	0	Rectangular	1.732	1	0	8
RT	Response time	0	Rectangular	1.732	1	0	∞
DH	Device holder influence	0.10	Rectangular	1.732	1	0.06	8
DAQ	DUT alignment	0	Rectangular	1.732	1	0	8
AC	RF ambient conditions	0.04	Rectangular	1.732	1	0.02	∞
AR	Ambient reflections	0.04	Rectangular	1.732	1	0.02	∞
MSI	Immunity / secondary reception	0	Rectangular	1.732	1	0	∞
DRI	Drift of the DUT	0.21	Rectangular	1.732	1	0.12	∞
Combined	Standard Uncertainty Uc(f) =		RSS			0.76	∞
Expanded	Uncertainty U, Coverage Factor = 2, > 95	% Confidence	=			1.52	

6. Dielectric Property Measurements & System Check

6.1. SAR Dielectric Property Measurements and System Checks

The temperature of the tissue-equivalent medium used during measurement must also be within 18° C to 25° C and within $\pm 2^{\circ}$ C of the temperature when the tissue parameters are characterized.

The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3-4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.

Tissue dielectric parameters were measured at the low, middle and high frequency of each operating frequency range of the test device.

The dielectric constant (ϵ r) and conductivity (σ) of typical tissue-equivalent media recipes are expected to be within \pm 5% of the required target values; but for SAR measurement systems that have implemented the SAR error compensation algorithms documented in IEEE Std 1528-2013, to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, the tolerance for ϵ r and σ may be relaxed to \pm 10%. This is limited to frequencies \leq 3 GHz.

Tissue Dielectric Parameters

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

Target Frequency (MHz)	He	ead	Во	dy
raiget Frequency (MHZ)	$\varepsilon_{ m r}$	σ (S/m)	$\epsilon_{ m r}$	σ (S/m)
150	52.3	0.76	61.9	0.80
300	45.3	0.87	58.2	0.92
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800 – 2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5000	36.2	4.45	49.3	5.07
5100	36.1	4.55	49.1	5.18
5200	36.0	4.66	49.0	5.30
5300	35.9	4.76	48.9	5.42
5400	35.8	4.86	48.7	5.53
5500	35.6	4.96	48.6	5.65
5600	35.5	5.07	48.5	5.77
5700	35.4	5.17	48.3	5.88
5800	35.3	5.27	48.2	6.00

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are re-measured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

6.2. System Check

System Performance Check Measurement Conditions:

- The measurements were performed in the flat section of the TWIN SAM or ELI phantom, shell thickness: 2.0 ±0.2 mm (bottom plate) filled with Body or Head simulating liquid of the following parameters.
- The depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm for SAR measurements ≤ 3 GHz and ≥ 10.0 cm for measurements > 3 GHz.
- The DASY system with an E-Field Probe was used for the measurements.
- The dipole was mounted on the small tripod so that the dipole feed point was positioned below the center marking
 of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom).
 The standard measuring distance was 10 mm (above 1 GHz) and 15 mm (below 1 GHz) from dipole center to
 the simulating liquid surface.
- The coarse grid with a grid spacing of 15 mm was aligned with the dipole. For 5 GHz band - The coarse grid with a grid spacing of 10 mm was aligned with the dipole.
- Special 7x7x7 (below 3 GHz) and/or 8x8x7 (above 3 GHz) fine cube was chosen for the cube.
- Distance between probe sensors and phantom surface was set to 3 mm.
 For 5 GHz band Distance between probe sensors and phantom surface was set to 2.5 mm
- The dipole input power (forward power) was 100 mW.
- The results are normalized to 1 W input power.

System Check Results

The 1-g and 10-g SAR measured with a reference dipole, using the required tissue-equivalent medium at the test frequency, must be within $\pm 10\%$ of the manufacturer calibrated dipole SAR target. Refer to Appendix B for the SAR System Check Plots.

				Liq	uid Check											System Cl	neck						
SAR		Tissue	Band	Freq.	Relati	ive Permittivi	ity (er)	_	Conductivity	(σ)		Dipole Type	Dipole	Input		asured resu				asured resu			Plot
Lab	Date	Туре	(MHz)	(MHz)	Measured	Target	Delta	Measure d	Target	Delta	Date	& Serial Number	Cal. Due Date	Power (dBm)	Meas. Zoom	Normalize to 1 W	Target (Ref.	Delta ±10%	Meas. Zoom	Normalize to 1 W	Target (Ref.	Delta ±10%	No.
				2600	40.13	39.01	2.87%	1.88	1.96	-4.03%													
SARD	7/28/2025	Head	2600	2495	40.29	39.14	2.93%	1.80	1.85	-2.58%	7/28/2025	D2600V2 SN: 1036	4/11/2026	17.0	2.760	55.069	55.400	-0.60%	1.290	25.739	24.900	3.37%	1
				2690	40.01	38.90	2.86%	1.96	2.06	-5.02%													
				1750	42.13	40.08	5.10%	1.24	1.37	-9.28%													
SAR 18	7/30/2025	Head	1750	1695	42.24	40.17	5.16%	1.22	1.34	-8.67%	7/30/2025	D1750V2 SN: 1053	10/13/2025	17.0	1.770	35.316	36.600	-3.51%	0.970	19.354	19.300	0.28%	2
				1780	42.08	40.04	5.10%	1.25	1.39	-9.73%	1												
				1640	42.39	40.25	5.31%	1.29	1.31	-1.14%													
SAR 24	7/23/2025	Head	1640	1610	42.44	40.30	5.31%	1.28	1.29	-0.93%	7/23/2025	D1640V2 SN: 324	6/13/2026	17.0	1.650	32.922	33.900	-2.89%	0.910	18.157	18.300	-0.78%	3
				1665	42.34	40.22	5.28%	1.30	1.32	-1.36%	l										l		

6.3. Power Density System Performance Check

Per Nov 2017, TCB Workshop

System validation is required before a system is deployed for measurement.

System check is also required before each series of continuous measurement and, as applicable, repeated at least weekly.

Peak and spatially averaged power density at the peak location(s) must be compared to calibrated results according to the defined test conditions:

- The same spatial resolution and measurement region used in the waveguide calibration should be applied to system validation and system check.
- 1 cm² and 4 cm² spatial averaging have been recommended in the AHG10 draft TR with reference targets available for specific waveguide.
- power density distribution should also be verified, both spatially (shape) and numerically (level) through visual inspection for noticeable differences.
- the measured results should be within 10% of the calibrated targets.
- The measured power density (PD) value is within ±1.2 dB of the target level; for the 5G verification source's uncertainty, please refer to Appendix G.

The system components, software settings and other system parameters shall be the same as those used for the compliance tests. The system check shall be performed at the closest probe calibration frequency point as in the compliance tests, e.g., if the EUT operates at 35 GHz, it is recommended to perform the validation at 30 GHz.

System Validations

- ,	J V C	and de come	_															
SAR Lab	Test Date	5G Verification Source	Source Cal. Due Date	Averaging Type	Input Power System Cart (dBm)	Input Power Source Cal. (dBm)	Meas. 4 cm ² psPDn+(W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² psPDn+(W/m ²)	Deviation (dB)	Meas. 4 cm ² psPDtot+ (W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² ps PDtot+ (W/m ²)	Deviation (dB)	Meas. 4 cm ² psPDmod+ (W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² psPDmod+ (W/m ²)	Deviation (dB)
22	4/16/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	28.7	57.3	56.4	0.07	29.3	58.5	56.7	0.13	29.5	58.9	56.9	0.15
22	4/16/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	29.1	58.1	56.4	0.13	29.5	58.9	56.7	0.16	29.7	59.3	56.9	0.18
22	4/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	27.9	55.7	56.4	-0.06	28.1	56.1	56.7	-0.05	28.3	56.5	56.9	-0.03
22	4/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	27.8	55.5	56.4	-0.07	28.4	56.7	56.7	0.00	28.5	56.9	56.9	0.00
22	4/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	27.5	54.9	56.4	-0.12	27.6	55.1	56.7	-0.13	27.7	55.3	56.9	-0.13
22	4/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	27.6	55.1	56.4	-0.10	27.8	55.5	56.7	-0.10	28.0	55.9	56.9	-0.08
22	4/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	28.1	56.1	56.4	-0.03	28.3	56.5	56.7	-0.02	28.4	56.7	56.9	-0.02
22	4/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	27.8	55.5	56.4	-0.07	28.4	56.7	56.7	0.00	28.5	56.9	56.9	0.00
22	4/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	27.7	55.3	56.4	-0.09	27.8	55.5	56.7	-0.10	28.0	55.9	56.9	-0.08
22	4/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	17.0	20.0	27.3	54.5	56.4	-0.15	27.6	55.1	56.7	-0.13	27.7	55.3	56.9	-0.13
						Average	28.0	55.8	56.4	-0.05	28.3	56.4	56.7	-0.02	28.4	56.7	56.9	-0.01
SAR Lab	Test Date	5G Verification Source	Source Cal. Due Date	Averaging Type	Input Power System Cart (dBm)	Input Power Source Cal. (dBm)	Meas. 4 cm ² psPDn+(W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² psPDn+(W/m ²)	Deviation (dB)	Meas. 4 cm ² psPDtot+ (W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² ps PDtot+ (W/m ²)	Deviation (dB)	Meas. 4 cm ² psPDmod+ (W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² psPDmod+ (W/m ²)	Deviation (dB)
23	4/22/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	34.9	55.3	56.4	-0.08	35.2	55.8	56.7	-0.07	35.4	56.1	56.9	-0.06
23	4/22/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	36.1	57.2	56.4	0.06	36.3	57.5	56.7	0.06	36.5	57.8	56.9	0.07
23	4/22/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	34.2	54.2	56.4	-0.17	35.1	55.6	56.7	-0.08	35.3	55.9	56.9	-0.07
23	4/22/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	35.7	56.6	56.4	0.01	36.1	57.2	56.7	0.04	36.2	57.4	56.9	0.04
23	4/22/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	35.7	56.6	56.4	0.01	35.8	56.7	56.7	0.00	36.0	57.1	56.9	0.01
23	4/22/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	35.8	56.7	56.4	0.03	36.4	57.7	56.7	0.08	36.7	58.2	56.9	0.10
23	4/23/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	35.3	55.9	56.4	-0.04	35.7	56.6	56.7	-0.01	35.9	56.9	56.9	0.00
23	4/23/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	37.4	59.3	56.4	0.22	37.5	59.4	56.7	0.20	37.7	59.8	56.9	0.21
23	4/23/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	36.6	58.0	56.4	0.12	36.9	58.5	56.7	0.13	37.1	58.8	56.9	0.14
23	4/23/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	18.0	20.0	36.8	58.3	56.4	0.15	37.0	58.6	56.7	0.15	37.2	59.0	56.9	0.15
						Average	35.9	56.8	56.4	0.03	36.2	57.4	56.7	0.05	36.4	57.7	56.9	0.06
SAR Lab	Test Date	5G Verification Source	Source Cal. Due Date	Averaging Type	Input Power System Cart (dBm)	Input Power Source Cal. (dBm)	Meas. 4 cm ² psPDn+(W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² psPDn+(W/m ²)	Deviation (dB)	Meas. 4 cm ² psPDtot+ (W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² ps PDtot+ (W/m ²)	Deviation (dB)	Meas. 4 cm ² psPDmod+ (W/m ²)	Normalized to 20 dBm (W/m²)	Target 4 cm ² psPDmod+ (W/m ²)	Deviation (dB)
25	5/13/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	44.1	55.5	56.4	-0.07	44.4	55.9	56.7	-0.06	44.7	56.3	56.9	-0.05
25	5/13/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	43.8	55.1	56.4	-0.10	44.6	56.1	56.7	-0.04	44.9	56.5	56.9	-0.03
25	5/13/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	44.2	55.6	56.4	-0.06	44.5	56.0	56.7	-0.05	44.7	56.3	56.9	-0.05
25	5/13/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	42.0	52.9	56.4	-0.28	42.3	53.3	56.7	-0.27	42.6	53.6	56.9	-0.26
25	5/13/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	41.3	52.0	56.4	-0.35	41.5	52.2	56.7	-0.36	41.7	52.5	56.9	-0.35
25	5/13/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	43.1	54.3	56.4	-0.17	43.3	54.5	56.7	-0.17	43.6	54.9	56.9	-0.16
25	5/14/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	48.4	60.9	56.4	0.34	49.9	62.8	56.7	0.45	50.3	63.3	56.9	0.46
25	5/15/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	46.6	58.7	56.4	0.17	47.4	59.7	56.7	0.22	47.8	60.2	56.9	0.24
25	5/16/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	46.9	59.0	56.4	0.20	47.6	59.9	56.7	0.24	47.9	60.3	56.9	0.25
25	5/17/2025	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.0	20.0	45.7	57.5	56.4	0.09	47.7	60.1	56.7	0.25	47.9	60.3	56.9	0.25
						Average	44.6	56.2	56.4	-0.02	45.3	57.1	56.7	0.03	45.6	57.4	56.9	0.04

System Check

Date	SAR Lab	5G Verification Source	Source Cal. Due Date	Averaging Type	Input Power (dBm)	Prad (mW)	Ohmic & Mismatch Loss (dB)	Meas. 4 cm ² psPDn+ (W/m ²)	Normalized to 20 dBm (W/m)	Target 4 cm ² psPDn+ (W/m ²)	Deviation (dB)	Meas. 4 cm ² ps PDtot+ (W/m ²)	Normalized to 20 dBm (W/m)	Target 4 cm ² ps PDtot+ (W/m ²)	Deviation (dB)	Plot
6/26/2025	SAE 23	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.00	93.30	0.30	39.7	50.0	56.8	-0.56	41.6	52.4	57.4	-0.40	4
6/30/2025	SAR 23	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.00	93.30	0.30	48.2	60.7	56.8	0.29	48.6	61.2	57.4	0.28	5
7/1/2025	SAR 25	5G Verification Source 10 GHz SN: 1015	9/6/2025	Square	19.00	93.30	0.30	45.3	57.0	56.2	0.06	45.5	57.3	57.1	0.01	6

7. Test Rationale

7.1. Purpose

This application for certification is leveraging the data referencing procedure from KDB 484596 D01; Referencing Test Data (Remarks on Test Reductions via Data Referencing for Closely Related Products) based on reference FCC ID: **BCG-E8950A** (UL SAR report **15496249-S1**) to cover variants FCC ID: **BCG-E8960A**, **BCG-E8961A** and **BCG-E8962A**. The major difference between the reference model and the variant models is the depopulation of the mmWave transmitter in the variant models.

7.2. Data Reuse Approach

Full RF exposure testing was performed on the reference model. The configurations with the highest SAR results for each exposure condition and highest PD result were identified. These configurations were tested on the variant models.

The variation in SAR/PD results was well within the uncertainty budget of the SAR/PD test equipment. The variant SAR/PD results and worst-case reference model SAR/PD results are summarized in § 1.

8. Measured and Reported (Scaled) Results

8.1. SAR Spot Check Results

A3525

															A3257						A3525						Con Date to
Antenna(s)	Technology	Band	RF Exposure Condition(s)	Mode(s)	Power Mode(s)	Test Position(s)	Channel	Freq. (MHz)	RB Allocati	RB Offset	Duty Cycle	TuP Limit	Meas. (dBm)	1-g Meas. (V/kg)	1-g Scaled (V/kg)	10-g Meas. (V/kg)	10-g Scaled (V/kg)	TuP Limit	Meas. (dBm)	1-g Meas. (V/kg)	1-g Scaled (V/kg)	10-g Meas. (V/kg)	10-g Scaled (V/kg)	Plot No.	dyza	dvce(M)	Can Data be Referenced?
ANT 4	V-CDMA	B4	Head	Fiel. 99	Mode A	Left Cheek	1413	1732.6	N/A	N/A	N/A	21.10	20.80	1.110	1.189	0.613	0.657	21.10	20.80	0.918	0.984	0.514	0.551	1	0.17	0.25	Yes
ANT 4	LTE	B66	Body & Hotspot	G/PSK	Mode B	Back	132322	1745	50	24	N/A	20.90	19.30	0.822	1.198	0.437	0.632	20.90	19.30	0.745	1.077	0.400	0.578	2	0.09	0.25	Yes
ANT 4	LTE	B7	Hotspot	G/PSK	Mode B	Edge Flight	20850	2510	50	24	N/A	20.80	20.70	1.160	1.187	0.537	0.550	20.80	20.70	0.889	0.910	0.403	0.412	3	0.23	0.25	Yes
ANT 2	MSS	(L-Band)	Extremity	1-PRB SC-FDMA	Mode B	Edge Left	Mid	1618.4	N/A	N/A	N/A	27.00	25.20	4.270	6.463	1.940	2.936	27.00	25.60	4.08	5.632	1.850	2.554	4	0.13	0.25	Yes

A3526

															A3257						A3526						Can Data be
Antenna(s)	Technology	Band	RF Exposure Condition(s)	Mode(s)	Power Mode(s)	Test Position(s)	Channel	Freq. (MHz)	RB Allocati	RB Offset	Duty Cycle	TuP Limit	Meas. (dBm)	1-g Meas. (V/kg)	1-g Scaled (V/kg)	10-g Meas. (V/kg)	10-g Scaled (V/kg)	TuP Limit	Meas. (dBm)	1-g Meas. (V/kg)	1-g Scaled (V/kg)	10-g Meas. (V/kg)	10-g Scaled (V/kg)	Plot No.	dyes	dyce(M)	Referenced?
ANT 4	V-CDMA	B4	Head	Rel. 99	Mode A	Left Cheek	1413	1732.6	N/A	N/A	NVA	2110	20.80	1.110	1.189	0.613	0.657	21.10	20.80	1.100	1.179	0.611	0.655	6	0.01	0.25	Yes
ANT 4	LTE	B66	Body & Hotspot	GPSK	Mode B	Back	132322	1745	50	24	N/A	20.90	19.30	0.822	1.188	0.437	0.632	20.90	19.30	0.749	1.083	0.400	0.578	7	0.09	0.25	Yes
ANT 4	LTE	87	Hotspot	QPSK	Mode B	Edge Right	20850	2510	50	24	N/A	20.80	20.70	1.160	1.187	0.537	0.550	20.80	20.70	0.884	0.905	0.400	0.409	8	0.24	0.25	Yes
ANT 2	MSS	(L-Band)	Extremity	1-PRB SC-FDMA	Mode B	Edge Left	Mid	1618.4	NA	N/A	N/A	27.00	25.20	4.270	6.463	1940	2.936	27.00	25.40	3.820	5.522	1.750	2.530	9	0.14	0.25	Yes

A3527

															A3526						A3527						O D 1-
Antenna(s)	Technology	Band	RF Exposure Condition(s)	Mode(s)	Power Mode(s)	Test Position(s)	Channel	Freq. (MHz)	RB Allocati	RB Offset	Duty Cycle	TuP Limit	Meas. (dBm)	1-g Meas. (V/kg)	1-g Scaled (V/kg)	10-g Meas. (V/kg)	10-g Soaled (V/kg)	TuP Limit	Meas. (dBm)	1-g Meas. (V/kg)	1-g Scaled (V/kg)	10-g Meas. (V/kg)	10-g Scaled (V/kg)	Plot No.	dyes	d _{тев} (М	Can Data be Referenced?
ANT 4	V-CDMA	B4	Head	Rel. 99	Mode A	Left Cheek	1413	1732.6	N/A	NA	N/A	21.10	20.80	1.110	1.189	0.613	0.657	21.10	20.80	0.996	1.067	0.565	0.606	11	0.10	0.26	Yes
ANT 4	LTE	B66	Body & Hotspot	QPSK	Mode B	Back	132322	1745	50	24	N/A	20.90	19.30	0.822	1.188	0.437	0.632	20.90	19.30	0.771	1.114	0.412	0.596	12	0.06	0.26	Yes
ANT 4	LTE	B7	Hotspot	QPSK	Mode B	Edge Right	20850	2510	50	24	N/A	20.80	20.70	1.160	1.187	0.537	0.550	20.80	20.70	0.945	0.967	0.422	0.432	13	0.19	0.25	Yes

8.2. Wi-Fi 6 GHz (U-NII 5-8 Bands) Power Density

Per TCB workshop October 2018, 4 cm² averaging area is considered.

psPD value (mW/cm²) used the psPD_{tot+} avg value (W/m²) of test result plot.

Wi-Fi 6GHz Test Rationale:

- Following KDB 388624 D02 Pre-Approval Guidance List v18r05, Appendix OVER6G Step 4:
 - The process of steps 3.1 to 3.4 shall be repeated for at least five channels, at the <u>channel center</u> frequency, selected to <u>cover uniformly the largest frequency ranges used in the device</u>, between 5925 MHz and 7125 MHz, and consistent with KDB Publication 248227 test configuration provisions.
- No channels that could transmit below 6GHz were selected for testing to use the PTP-PR Test Methodology.
- The initial test position for iPD was determined using the worst-case 1-g SAR, please refer to §10.39.

iPDn Investigation Results

<u></u>	<u> </u>																						
RF Exposure Conditions	Transmitter	Power Mode	Test Position	U-NII Band	Ch No.	Freq. (MHz)	Mode	Duty Cycle (%)	TuP Limit (dBm)	Meas. (dBm)	Uncertainty Scaling Factor	Grid Step Size (λ)	Dist. (mm)	iPD,	Meas. psPD _{tot} (W/m²)	Scaled psPD _{tot} (W/m²)	Grid Step Size (λ)	Dist. (mm)	iPD,	Meas. psPD _{lot} (W/m ²)	Scaled psPD _{tot} (W/m ²)	Criterion 1: ≥ -1	Criterion 2: 10% of Limit
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-5	15	6025.0	802.11ax HE160	94.00%	12.5	12.5	1.584	0.0412	2	1.210	3.070	4.864	0.2500	9.952	1.130	1.400	2.218	0.297	Continue to 2. Full Testing
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-8	207	6985.0	802.11ax HE160	94.00%	13.5	13.5	1.564	0.0412	2	1.440	2.580	4.035	0.2500	8.584	1.780	1.680	2.627	-0.921	Continue to 2. Full Testing

Note(s):

MU scaling applied due to total uncertainty (1.52 dB, 41.9%) exceeds the 30% budget. Scaling applied for the amount exceeding the 30% budget (11.9%).

PTP-PR PD Results

Note(s):

MU scaling applied due to total uncertainty (1.52 dB, 41.9%) exceeds the 30% budget. Scaling applied for the amount exceeding the 30% budget (11.9%).

Testing was performed at the most conservative Grid Step Size of 0.041 lambda.

Conversion Factor: W/m² to mW/cm² = 0.1

A3525

RF Exposure Conditions	Transmitter	Pow er Mode	Test Position	U-NII Band	Ch No.	Freq. (MHz)	Mode	Duty Cycle (%)	TuP Limit (dBm)	Meas. (dBm)	Uncertainty Scaling Factor	Grid Step Size (λ)	Dist. (mm)	Meas. psPD _n (W/m²)	Scaled psPD _n (mW/cm²)	Meas. psPD _{tot} (W/m²)	Scaled psPD _{tot} (mW/cm²)	Meas. psPD _{mod} (W/m²)	Scaled psPD _{mod} (mW/cm²)	Plot No.
Body & Hotspot	ANT 5	Wi-FiPower Mode 1	Back	UNII-5	15	6025.0	802.11ax HE160	94.03%	13.75	13.75	1.584	0.0502	2	2.740	0.462	3.530	0.595	7.020	1.183	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-5	79	6345.0	802.11ax HE160	94.03%	15.00	14.00	1.577	0.0529	2	2.760	0.583	3.140	0.663	5.360	1.132	5
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-6	111	6505.0	802.11ax HE160	94.03%	14.75	14.65	1.574	0.0542	2	2.890	0.495	3.730	0.639	6.720	1.151	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-7	175	6825.0	802.11ax HE160	94.03%	17.00	15.98	1.567	0.0569	2	1.680	0.354	2.810	0.592	5.210	1.098	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-8	207	6985.0	802.11ax HE160	94.03%	17.00	16.00	1.564	0.0582	2	1.850	0.387	2.640	0.553	5.160	1.080	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Front	UNII-5	79	6345.0	802.11ax HE160	94.03%	15.00	14.00	1.577	0.0529	2	0.093	0.020	0.097	0.020	0.112	0.024	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Edge Right	UNII-5	79	6345.0	802.11ax HE160	94.03%	15.00	14.00	1.577	0.0529	2	0.150	0.032	0.160	0.034	0.178	0.038	
Body & Hotspot	ANT 5	Wi-FiPower Mode 1	Edge Bottom	UNII-5	79	6345.0	802.11ax HE160	94.03%	15.00	14.00	1.577	0.0529	2	0.363	0.077	0.369	0.078	0.393	0.083	
Body & Hotspot	ANT 5	Wi-FiPower Mode 1	Edge Left	UNII-5	79	6345.0	802.11ax HE160	94.03%	15.00	14.00	1.577	0.0529	2	0.280	0.059	0.281	0.059	0.287	0.061	
RF Exposure		Pow er		U-NII				Duty Cycle	TuP Limit	Meas.	Uncertainty	Grid Step Size	Dist.	Meas, psPD.	Scaled psPD.	Meas, psPD	Scaled psPD	Meas, psPD	Scaled psPD	Plot
Conditions	Transmitter	Mode	Test Position	Band	Ch No.	Freq. (MHz)	Mode	(%)	(dBm)	(dBm)	Scaling Factor	(λ)	(mm)	(W/m²)	(mW/cm²)	(W/m²)	(mW/cm²)	(W/m²)	(mW/cm²)	No.
	ANT 6	Mode Wi-Fi Power Mode 1	Test Position Back		Ch No.	6185.0	802.11ax HE160		(dBm) 12.75					(W/m²) " 2.43	(mW/cm²) 0.5084	(W/m²) 3.00		(W/m²) 3.740		No.
Conditions Body &		Wi-Fi Power		Band			802.11ax	(%)		(dBm)	Scaling Factor	(λ)	(mm)				(mW/cm²)		(mW/cm²)	No.
Conditions Body & Hotspot Body &	ANT 6	Wi-Fi Power Mode 1 Wi-Fi Power	Back	Band UNII-5	47	6185.0	802.11ax HE160 802.11ax	94.03%	12.75	(dBm) 11.80	Scaling Factor	(A) 0.0516	(mm) 2	2.43	0.5084	3.00	(mW/cm²) 0.628	3.740	(mW/cm²) 0.783	No.
Body & Hotspot Body & Hotspot Body & Body &	ANT 6	Wi-Fi Power Mode 1 Wi-Fi Power Mode 1 Wi-Fi Power	Back Back	Band UNII-5 UNII-5	47 79	6185.0 6345.0	802.11ax HE160 802.11ax HE160 802.11ax	94.03% 94.03%	12.75	(dBm) 11.80 12.25	1.581 1.577	(A) 0.0516 0.0529	(mm) 2 2	2.43	0.5084	3.00	0.628 0.558	3.740	(mW/cm²) 0.783 0.684	No.
Body & Hotspot Body & Hotspot Body & Hotspot Body &	ANT 6 ANT 6	Wi-Fi Power Mode 1 Wi-Fi Power Mode 1 Wi-Fi Power Mode 1 Wi-Fi Power	Back Back Back	Band UNII-5 UNII-5 UNII-6	47 79 111	6185.0 6345.0 6505.0	802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax	94.03% 94.03% 94.03%	12.75 13.00 11.25	(dBm) 11.80 12.25 11.25	1.581 1.577 1.574	(A) 0.0516 0.0529 0.0542	2 2 2	2.43 2.15 2.36	0.5084 0.4287 0.3951	3.00 2.80 2.80	0.628 0.558 0.469	3.740 3.430 3.730	0.783 0.684 0.624	No.
Body & Hotspot	ANT 6 ANT 6 ANT 6	Wi-Fi Pow er Mode 1 Wi-Fi Pow er Mode 1 Wi-Fi Pow er Mode 1 Wi-Fi Pow er Mode 1 Wi-Fi Pow er	Back Back Back Back	Band UNII-5 UNII-5 UNII-6 UNII-7	47 79 111 143	6185.0 6345.0 6505.0 6665.0	802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax	94.03% 94.03% 94.03% 94.03%	12.75 13.00 11.25 12.00	11.80 12.25 11.25	1.581 1.577 1.574	0.0516 0.0529 0.0542 0.0556	2 2 2	2.43 2.15 2.36 2.32	0.5084 0.4287 0.3951 0.3875	2.80 2.80 2.73	0.628 0.558 0.469 0.456	3.740 3.430 3.730 3.250	0.783 0.684 0.624 0.543	No.
Body & Hotspot	ANT 6 ANT 6 ANT 6 ANT 6 ANT 6	Wi-Fi Power Mode 1 Wi-Fi Power Mode 1 Wi-Fi Power Mode 1 Wi-Fi Power Mode 1 Wi-Fi Power Mode 1	Back Back Back Back	Band UNII-5 UNII-5 UNII-6 UNII-7 UNII-8	47 79 111 143 207	6185.0 6345.0 6505.0 6665.0	802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax	94.03% 94.03% 94.03% 94.03% 94.03%	12.75 13.00 11.25 12.00	11.80 12.25 11.25 12.00	1.581 1.577 1.574 1.571 1.564	(A) 0.0516 0.0529 0.0542 0.0556	2 2 2 2 2	2.43 2.15 2.36 2.32 2.27	0.5084 0.4287 0.3951 0.3875 0.3776	2.80 2.80 2.73 2.49	0.628 0.558 0.469 0.456	3.740 3.430 3.730 3.250 3.300	0.783 0.684 0.624 0.543	No.
Body & Hotspot Body & Hotspot	ANT 6 ANT 6 ANT 6 ANT 6 ANT 6 ANT 6	Wi-Fi Pow er Mode 1 Wi-Fi Pow er	Back Back Back Back Front	Band UNII-5 UNII-5 UNII-6 UNII-7 UNII-8 UNII-5	47 79 111 143 207 47	6185.0 6345.0 6505.0 6665.0 6985.0	802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax HE160 802.11ax	94.03% 94.03% 94.03% 94.03% 94.03% 94.03%	12.75 13.00 11.25 12.00 12.00	(dBm) 11.80 12.25 11.25 12.00 12.00 11.80	1.581 1.577 1.574 1.571 1.564 1.581	0.0518 0.0529 0.0542 0.0558 0.0582	2 2 2 2 2 2	2.43 2.15 2.36 2.32 2.27 0.112	0.5084 0.4287 0.3951 0.3875 0.3776	3.00 2.80 2.80 2.73 2.49 0.115	0.628 0.558 0.469 0.456 0.414	3.740 3.430 3.730 3.250 3.300 0.125	0.783 0.684 0.624 0.543 0.549	No.

A3526

4332																				_
RF Exposure Conditions	Transmitter	Pow er Mode	Test Position	U-NII Band	Ch No.	Freq. (MHz)	Mode	Duty Cycle (%)	TuP Limit (dBm)	Meas. (dBm)	Uncertainty Scaling Factor	Grid Step Size (λ)	Dist. (mm)	Meas. psPD _n (W/m²)	Scaled psPD _n (mW/cm²)	Meas. psPD _{lot} (W/m²)	Scaled psPD _{tot} (mW/cm²)	Meas. psPD _{mod} (W/m²)	Scaled psPD _{mod} (mW/cm²)	Plot No.
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-5	15	6025.0	802.11ax HE160	94.03%	13.75	13.75	1.584	0.0502	2	3.470	0.585	3.430	0.578	5.290	0.891	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-5	79	6345.0	802.11ax HE160	94.03%	15.00	14.00	1.577	0.0529	2	2.470	0.522	2.900	0.612	4.080	0.862	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-6	111	6505.0	802.11ax HE160	94.03%	14.75	14.65	1.574	0.0542	2	3.320	0.569	3.960	0.678	6.370	1.091	10
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-7	175	6825.0	802.11ax HE160	94.03%	17.00	15.98	1.567	0.0569	2	2.320	0.489	3.010	0.635	6.250	1.318	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-8	207	6985.0	802.11ax HE160	94.03%	17.00	16.00	1.564	0.0582	2	2.050	0.429	2.740	0.574	5.610	1.175	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Front	UNII-6	111	6505.0	802.11ax HE160	94.03%	14.75	14.65	1.574	0.0542	2	0.322	0.0552	0.338	0.058	0.368	0.063	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Edge Right	UNII-6	111	6505.0	802.11ax HE160	94.03%	14.75	14.65	1.574	0.0542	2	0.486	0.0833	0.490	0.084	0.501	0.086	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Edge Bottom	UNII-6	111	6505.0	802.11ax HE160	94.03%	14.75	14.65	1.574	0.0542	2	0.492	0.0843	0.496	0.085	0.505	0.087	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Edge Left	UNII-6	111	6505.0	802.11ax HE160	94.03%	14.75	14.65	1.574	0.0542	2	0.182	0.031	0.183	0.031	0.188	0.032	
RF Exposure Conditions	Transmitter	Pow er Mode	Test Position	U-NII Band	Ch No.	Freq. (MHz)	Mode	Duty Cycle (%)	TuP Limit (dBm)	Meas. (dBm)	Uncertainty Scaling Factor	Grid Step Size (λ)	Dist. (mm)	Meas. psPD _n (W/m²)	Scaled psPD _n (mW/cm²)	Meas. psPD _{tot} (W/m²)	Scaled psPD _{tot} (mW/cm²)	Meas. psPD _{mod} (W/m²)	Scaled psPD _{mod} (mW/cm²)	Plot No.
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-5	47	6185.0	802.11ax HE160	94.03%	12.75	11.80	1.581	0.0516	2	2.28	0.4771	2.78	0.582	3.720	0.778	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-5	79	6345.0	802.11ax HE160	94.03%	13.00	12.25	1.577	0.0529	2	2.39	0.4765	2.69	0.536	3.100	0.618	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-6	111	6505.0	802.11ax HE160	94.03%	11.25	11.25	1.574	0.0542	2	2.42	0.4051	2.82	0.472	3.410	0.571	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-7	143	6665.0	802.11ax HE160	94.03%	12.00	12.00	1.571	0.0556	2	2.17	0.3625	2.71	0.453	3.100	0.518	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-8	207	6985.0	802.11ax HE160	94.03%	12.00	12.00	1.564	0.0582	2	2.62	0.4358	3.10	0.516	3.800	0.632	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Front	UNII-5	47	6185.0	802.11ax HE160	94.03%	12.75	11.80	1.581	0.0516	2	0.177	0.0370	0	0.038	0.211	0.044	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Edge Top	UNII-5	47	6185.0	802.11ax HE160	94.03%	12.75	11.80	1.581	0.0516	2	0.225	0.0471	0	0.048	0.235	0.049	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Edge Right	UNII-5	47	6185.0	802.11ax HE160	94.03%	12.75	11.80	1.581	0.0516	2	0.143	0.0299	0	0.031	0.162	0.034	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Edge Left	UNII-5	47	6185.0	802.11ax HE160	94.03%	12.75	11.80	1.581	0.0516	2	0.135	0.0282	0.139	0.029	0.149	0.031	

A3527

A0021																				
RF Exposure Conditions	Transmitter	Power Mode	Test Position	U-NII Band	Ch No.	Freq. (MHz)	Mode	Duty Cycle (%)	TuP Limit (dBm)	Meas. (dBm)	Uncertainty Scaling Factor	Grid Step Size (A)	Dist. (mm)	Meas.psPD, (W/m²)	Scaled psPD, (mW/cm²)	Meas. psPD _{tal} (W/m²)	Scaled psPD _{ial} (mV/cm²)	Meas.psPD (W/m²)	Scaled psPD (mW/cm²)	Plot No.
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-5	15	6025.0	802.11ax HE160	94.03%	13.75	13.75	1.584	0.0502	2	3.070	0.517	3.650	0.615	4.920	0.829	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-5	79	6345.0	802.11ax HE160	94.03%	15.00	14.00	1.577	0.0529	2	2.470	0.522	2.900	0.612	4.080	0.862	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-6	111	6505.0	802.11ax HE160	94.03%	14.75	14.65	1.574	0.0542	2	2.620	0.449	3.270	0.560	5.020	0.860	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-7	175	6825.0	802.11ax HE160	94.03%	17.00	15.98	1.567	0.0569	2	2.090	0.441	3.020	0.637	5.310	1.119	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Back	UNII-8	207	6985.0	802.11ax HE160	94.03%	17.00	16.00	1.564	0.0582	2	2.090	0.438	2.720	0.570	4.700	0.984	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Front	UNII-7	175	6825.0	802.11ax HE160	94.03%	17.00	15.98	1.567	0.0569	2	0.376	0.079	0.377	0.079	0.388	0.082	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Edge Right	UNII-7	175	6825.0	802.11ax HE160	94.03%	17.00	15.98	1.567	0.0569	2	0.415	0.087	0.439	0.093	0.458	0.097	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Edge Bottom	UNII-7	175	6825.0	802.11ax HE160	94.03%	17.00	15.98	1.567	0.0569	2	0.937	0.198	0.978	0.206	1.000	0.211	
Body & Hotspot	ANT 5	Wi-Fi Power Mode 1	Edge Left	UNII-7	175	6825.0	802.11ax HE160	94.03%	17.00	15.98	1.567	0.0569	2	0.353	0.074	0.361	0.076	0.375	0.079	
RF Exposure Conditions	Transmitter	Power Mode	Test Position	U-NII Band	Ch No.	Freq. (MHz)	Mode	Duty Cycle	TuP Limit (dBm)	Meas. (dBm)	Uncertainty Scaling Factor	Grid Step Size	Dist. (mm)	Meas.psPD. (W/m²)	Scaled psPD. (mW/om²)	Meas. psPD _{ial} (W/m²)	Scaled psPD _{ial} (mW/cm²)	Meas.psPD (W/m²)	Scaled psPD (mW/om*)	Plot No.
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-5	47	6185.0	802.11ax HE160	94.03%	12.75	11.80	1.581	0.0516	2	2.590	0.542	2.850	0.596	3,300	0.690	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-5	79	6345.0	802.11ax HE160	94.03%	13.00	12.25	1.577	0.0529	2	3.030	0.604	3.320	0.662	3.680	0.734	14
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-6	111	6505.0	802.11ax HE160	94.03%	11.25	11.25	1.574	0.0542	2	2.590	0.434	3.060	0.512	3.550	0.594	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-7	143	6665.0	802.11ax HE160	94.03%	12.00	12.00	1.571	0.0556	2	2.370	0.396	2.800	0.468	3.430	0.573	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Back	UNII-8	207	6985.0	802.11ax HE160	94.03%	12.00	12.00	1.564	0.0582	2	2.580	0.429	3.000	0.499	3.510	0.584	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Front	UNII-5	79	6345.0	802.11ax HE160	94.03%	13.00	12.25	1.577	0.0529	2	0.154	0.031	0.172	0.034	0.205	0.041	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Edge Top	UNII-5	79	6345.0	802.11ax HE160	94.03%	13.00	12.25	1.577	0.0529	2	0.148	0.030	0.152	0.030	0.156	0.031	
Body & Hotspot	ANT 6	Wi-Fi Power Mode 1	Edge Right	UNII-5	79	6345.0	802.11ax HE160	94.03%	13.00	12.25	1.577	0.0529	2	0.140	0.028	0.144	0.029	0.167	0.033	
Body &	ANT 6	Wi-Fi Power Mode 1	Edge Left	UNII-5	79	6345.0	802.11ax HE160	94.03%	13.00	12.25	1.577	0.0529	2	0.034	0.007	0.035	0.007	0.050	0.010	

Appendixes

Refer to separated files for the following appendixes.

Appendix A: SAR Setup Photos

Appendix B: SAR System Check Plots

Appendix C: SAR Highest Test Plots

Appendix D: SAR Tissue Ingredients

Appendix E: SAR Probe Certificates

Appendix F: SAR Dipole Certificates

Appendix G: 5G Verification source Certificate

END OF REPORT