

RF EXPOSURE TEST REPORT

Application No.: SUCR2512001214TL
Applicant: KEYENCE CORPORATION
Address of Applicant: 1-3-14, Higashinakajima Higashiyodogawa-ku, Osaka 533-8555, Japan
Manufacturer: KEYENCE CORPORATION
Address of Manufacturer: 1-3-14, Higashinakajima Higashiyodogawa-ku, Osaka 533-8555, Japan
EUT Description: Handheld Terminal
Model No.: BT-A800M
Trade Mark: KEYENCE
FCC ID: RF41995A
Standards: FCC 47CFR §2.1093
Date of Receipt: 2025-12-22
Date of Test: 2025-12-23 to 2026-01-24
Date of Issue: 2026-02-11

Test Result :	PASS *
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* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
00	Original	2026-02-11	/

Authorized for issue by:		
Prepared By		Leon Liu
		Leon Liu/ Project Engineer
Approved By		Nick Hu
		Nick Hu/ Reviewer

TEST SUMMARY

Frequency Band	Maximum Reported SAR(W/kg)		
	Body	Hotspot	Product specific 10g SAR
LTE Band 7	1.02	0.96	/
LTE Band 12(17)	1.01	0.29	/
LTE Band 13	1.16	0.28	/
LTE Band 14	1.02	0.24	/
LTE Band 25(2)	0.97	1.09	/
LTE Band 26(5)	1.07	0.38	/
LTE Band 41(38)PC3	1.03	0.57	/
LTE Band 42	1.02	1.13	/
LTE Band 43	0.97	1.16	/
LTE Band 48	0.93	1.04	/
LTE Band 66(4)	1.02	0.64	/
LTE Band 71	0.94	0.26	/
NR Band n5	1.19	0.36	/
NR Band n7	1.14	1.07	/
NR Band n12	1.04	0.27	/
NR Band n25(n2)	1.16	1.05	/
NR Band n41(n38)PC3	1.14	0.57	/
NR Band n48	1.10	0.97	/
NR Band n66	1.07	0.54	/
NR Band n71	1.00	0.27	/
NR Band n77(n78)	1.06	1.00	/
WI-FI (2.4GHz)	0.53	0.15	/
WI-FI (5GHz)	1.08	/	/
WI-FI (6GHz)	0.60	/	/
BT	<0.10	<0.10	/
NFC	/	/	<0.10
SAR Limited(W/kg)	1.6		4.0
Maximum Simultaneous Transmission SAR (W/kg)			
Scenario	Body	Hotspot	Product specific 10g SAR
Sum SAR	1.58	1.58	<0.10
SPLSR	/	/	/
SPLSR Limited	0.04		0.1

Note:

1) The Simultaneous transmission SAR is the same test position of the WWAN Antenna + WiFi/BT Antenna.
2) According to TCB workshop October, 2014 RF Exposure Procedures Update (Overlapping Bands): SAR for LTE Band 2/4/5/17/38 and n2/n38/n78 is respectively covered by LTE Band 25/66/26/12/41 and n25/n41/n77 due to similar frequency range, same maximum tune up limit and same channel bandwidth. Because the frequency range is similar, the maximum tuning limit is the same, and the channel bandwidth and other operating parameters for the smaller band is fully supported by the larger band.

Frequency Band	Max Report Power Density (W/m ²)
WIFI 6E	9.25
PD Limited(W/kg)	10.00

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1 General Information

1.1 General Description of EUT

Product Name:	Handheld Terminal	
Model No.:	BT-A800M	
Trade Mark:	KEYENCE	
Product Phase:	production unit	
Device Type:	portable device	
Exposure Category:	uncontrolled environment / general population	
SN:	P0ES200050/P0ES200021	
Hardware Version:	V1.04	
Software Version:	T23	
Antenna Type:	LDS Antenna	
Device Operating Configurations:		
Test Mode Configuration:	LTE:QPSK,16QAM,64QAM,256QAM 5G NR:DFT-s-OFDM(PI/2 BPSK,QPSK,16QAM,64QAM,256QAM) CP-OFDM(QPSK,16QAM,64QAM,256QAM) WIFI:DSSS,OFDM,OFDMA; BT:GFSK, π/4DQPSK,8DPSK NFC:ASK	
Power Class:	3, tested with power control “max power”(LTE Band)	
Frequency Bands:	Band	Tx(MHz)
	LTE Band 2	1850 ~1910
	LTE Band 4	1710~1755
	LTE Band 5	824~849
	LTE Band 7	2500~2570
	LTE Band 12	699~716
	LTE Band 13	777~787
	LTE Band 14	788~798
	LTE Band 17	704~716
	LTE Band 25	1850~1915
	LTE Band 26	814~849
	LTE Band 38	2570~2620
	LTE Band 41	2496~2690
	LTE Band 42	3450~3550
		3550~3600
	LTE Band 43	3600~3700
		3600~3800
	LTE Band 48	3550~3700
	LTE Band 66	1710~1780
	LTE Band 71	663~698

	NR Band n2	1850~1910
	NR Band n5	824~849
	NR Band n7	2500~2570
	NR Band n12	699~716
	NR Band n25	1850~1915
	NR Band n38	2570~2620
	NR Band n41	2496~2690
	NR Band n48	3550~3700
	NR Band n66	1710~1780
	NR Band n71	663~698
	NR Band n77	3450~3550
		3550~3700
		3700~3980
	NR Band n78	3450~3550
		3550~3700
		3700~3800
	WIFI 2.4G	2412~2462
	WIFI 5G	5150~5250
		5250~5350
		5470~5725
		5725~5850
	WIFI 6E	5925~6425
		6425~6525
		6525~6875
		6875~7125
	BT	2402~2480
	NFC	13.56
RF Cable:	☒ Provided by applicant ☐ Provided by the laboratory	
Battery Information:	Model:	DX-BC6
	Normal Voltage:	3.6V
	Rated capacity:	6270mAh
	Manufacturer:	Getac Technology(Kunshan)Co.,Ltd
Note: Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, SGS is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.		

1.2 Test Specification

Identity	Document Title
FCC 47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
ANSI/IEEE C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.
IEEE 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
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)
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
KDB 941225 D05	SAR for LTE Devices v02r05
KDB 941225 D05A	LTE Rel.10 KDB Inquiry Sheet v01r02
KDB 941225 D06	Hotspot Mode SAR v02r01
KDB 248227 D01	SAR Guidance for IEEE 802.11 Wi-Fi SAR v02r02
KDB 447498 D01	General RF Exposure Guidance v06
KDB 865664 D01	SAR Measurement 100 MHz to 6 GHz v01r04
KDB 865664 D02	RF Exposure Reporting v01r02
KDB 690783 D01	SAR Listings on Grants v01r03
KDB 616217 D04	SAR for laptop and tablets v01r02

1.3 RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR* (Brain*Trunk)	1.60 mW/g	8.00 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g	0.40 mW/g
Spatial Peak SAR*** (Hands/Feet/Ankle/Wrist)	4.00 mW/g	20.00 mW/g

Notes:

* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time

** The Spatial Average value of the SAR averaged over the whole body.

*** 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.

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

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.)

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

Note: 1.0 mW/cm² is equal to 10 W/m²

1.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu)
Pilot Free Trade Zone

No tests were sub-contracted.

1.5 Test Engineer

Test Engineer: Harry Wang, Bert Xu

1.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. is accredited by the American Association for Laboratory Accreditation (A2LA).

- **FCC (Designation Number: CN1312)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory.

Test Firm Registration Number: 717327

- **ISED (CAB Identifier: CN0120)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 27594

2 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

3 SAR Measurements System Configuraion

3.1 The SAR Measurement System

This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY professional system). A E-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation $SAR = \sigma (|E_i|^2) / \rho$ where σ and ρ are the conductivity and mass density of the tissue-Simulate.

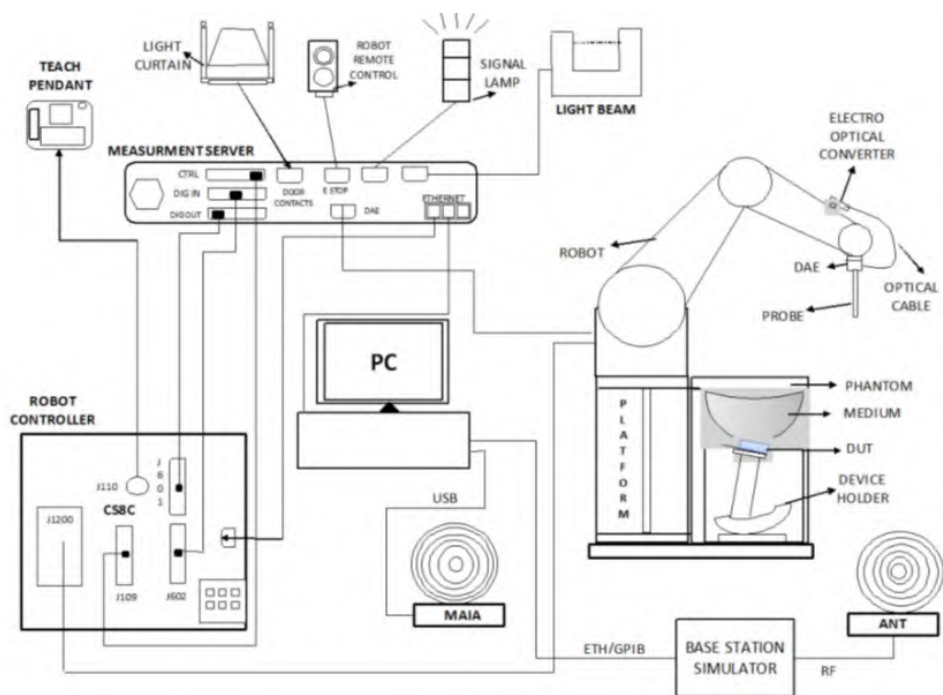
The DASY system for performing compliance tests consists of the following items:

A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software. An arm extension for accommodation the data acquisition electronics (DAE).

A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.



F-1. SAR Measurement System Configuration

- 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.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows system.
- DASY software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand, right-hand and Body Worn usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validating the proper functioning of the system.

3.2 Isotropic E-field Probe EX3DV4

	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 μ W/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY52 SAR and higher, EASY4/MRI

3.3 Data Acquisition Electronics (DAE)

Model	DAE	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV,400mV)	
Input Offset Voltage	< 5 μ V (with auto zero)	
Input Bias Current	< 50 f A	
Dimensions	60 x 60 x 68 mm	

3.4 SAM Twin Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)	
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)	
Shell Thickness	2 $\pm$ 0.2 mm (6 $\pm$ 0.2 mm at ear point)	
Dimensions (incl. Wooden Support)	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	pprox.. 25 liters	
Wooden Support	SPEAG standard phantom table	

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom. 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.

Twin SAM V5.0 has the same shell geometry and is manufactured from the same material as Twin SAM V4.0, but has reinforced top structure.

3.5 ELI Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)	
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)	
Shell Thickness	2.0 ± 0.2 mm(bottom plate)	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	
Filling Volume	pprox.. 30 liters	
Wooden Support	SPEAG standard phantom table	

Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 4 MHz to 10 GHz. 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 SPEAG dosimetric probes and dipoles. ELI V5.0 has the same shell geometry and is manufactured from the same material as ELI4 but has reinforced top structure.

3.6 Device Holder for Transmitters



F-2. Device Holder for Transmitters

- The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation centres for both scales are the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.
- The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity $\epsilon=3$ and loss tangent $\delta=0.02$. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

3.7 Measurement Procedure

3.7.1 Scanning procedure

Step 1: Power reference measurement

The “reference” and “drift” measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure.

Step 2: Area scan

The SAR distribution at the exposed side of the head was measured at a distance of 4mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 15mm*15mm or 12mm*12mm or 10mm*10mm. Based on the area scan data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Zoom scan

Around this point, a volume of 32mm*32mm*30mm ($f \leq 2\text{GHz}$), 30mm*30mm*30mm (f for 2-3GHz) and 24mm*24mm*22mm (f for 5-6GHz) was assessed by measuring 5x5x7 points ($f \leq 2\text{GHz}$), 7x7x7 points (f for 2-3GHz) and 7x7x12 points (f for 5-6GHz). On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

The data at the surface was extrapolated, since the centre of the dipoles is 2.0mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2mm. (This can be variable. Refer to the probe specification). The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1g or 10g) were computed using the 3D-Spline interpolation algorithm. The volume was integrated with the trapezoidal algorithm. One thousand points were interpolated to calculate the average. All neighbouring volumes were evaluated until no neighboring volume with a higher average value was found.

If the zoom scan measured as specified in the preceding paragraphs complies with both i) and ii), or if the psSAR is below 0,1 W/kg, no additional measurements are needed.

i) The smallest horizontal distance from the local SAR peaks to all points 3 dB below the SAR peak shall be larger than the horizontal grid steps in both x- and y-directions (Δx , Δy). This shall be checked for the measured zoom scan plane conformal to the phantom at the distance zM1. The minimum distance shall be recorded in the SAR test report.

ii) The ratio of the SAR at the second measured point (M2) to the SAR at the closest measured point (M1) at the x-y location of the measured maximum SAR value shall be at least 30 %. This ratio (in %) shall be recorded in the SAR test report.

			$\leq 3 \text{ GHz}$	$> 3 \text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			$5 \pm 1 \text{ mm}$	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$			$\leq 2 \text{ GHz}: \leq 15 \text{ mm}$ $2 - 3 \text{ GHz}: \leq 12 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 12 \text{ mm}$ $4 - 6 \text{ GHz}: \leq 10 \text{ mm}$
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			$\leq 2 \text{ GHz}: \leq 8 \text{ mm}$ $2 - 3 \text{ GHz}: \leq 5 \text{ mm}^*$	$3 - 4 \text{ GHz}: \leq 5 \text{ mm}^*$ $4 - 6 \text{ GHz}: \leq 4 \text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		$\leq 5 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 4 \text{ mm}$ $4 - 5 \text{ GHz}: \leq 3 \text{ mm}$ $5 - 6 \text{ GHz}: \leq 2 \text{ mm}$
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	$\leq 4 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 3 \text{ mm}$ $4 - 5 \text{ GHz}: \leq 2.5 \text{ mm}$ $5 - 6 \text{ GHz}: \leq 2 \text{ mm}$
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		$\geq 30 \text{ mm}$	$3 - 4 \text{ GHz}: \geq 28 \text{ mm}$ $4 - 5 \text{ GHz}: \geq 25 \text{ mm}$ $5 - 6 \text{ GHz}: \geq 22 \text{ mm}$

Step 4: Power reference measurement (drift)

The Power Drift Measurement job measures the field at the same location as the most recent power reference measurement job within the same procedure, and with the same settings. The indicated drift is mainly the variation of the DUT's output power and should vary max $\pm 5 \%$.

3.7.2 Data storage

The DASY software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension "DAE". The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated. The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [m W/g], [m W/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

3.7.3 Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	- Sensitivity	Normi, ai0, ai1, ai2
- Conversion factor	ConvFi	
- Diode compression point	Dcpi	
Device parameters:	- Frequency	f
- Crest factor	cf	
Media parameters:	- Conductivity	ε
- Density	ρ	

These parameters must be set correctly in the software. They can be found in the component documents, or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot cf / dcp_i$$

With V_i = compensated signal of channel I (I = x, y, z)

U_i = input signal of channel I (I = x, y, z)

cf = crest factor of exciting field (DASY parameter)

dcp I = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

E-field probes:

$$E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$$

H-field probes:

$$H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1}f + a_{i2}f^2) / f$$

With V_i = compensated signal of channel i ($i = x, y, z$)

$Norm_i$ = sensor sensitivity of channel i ($i = x, y, z$)

[mV/(V/m)²] for E-field Probes

$ConvF$ = sensitivity enhancement in solution

a_{ij} = sensor sensitivity factors for H-field probes

f = carrier frequency [GHz]

E_i = electric field strength of channel i in V/m

H_i = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = (E_x^2 + E_y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$SAR = (E_{tot}^2 \cdot \sigma) / (\epsilon \cdot 1000)$$

with SAR = local specific absorption rate in mW/g

E_{tot} = total field strength in V/m

σ = conductivity in [mho/m] or [Siemens/m]

ϵ = equivalent tissue density in g/cm³

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = E_{tot}^2 / 3770 \text{ or } P_{pwe} = H_{tot}^2 \cdot 37.7$$

with P_{pwe} = equivalent power density of a plane wave in mW/cm²

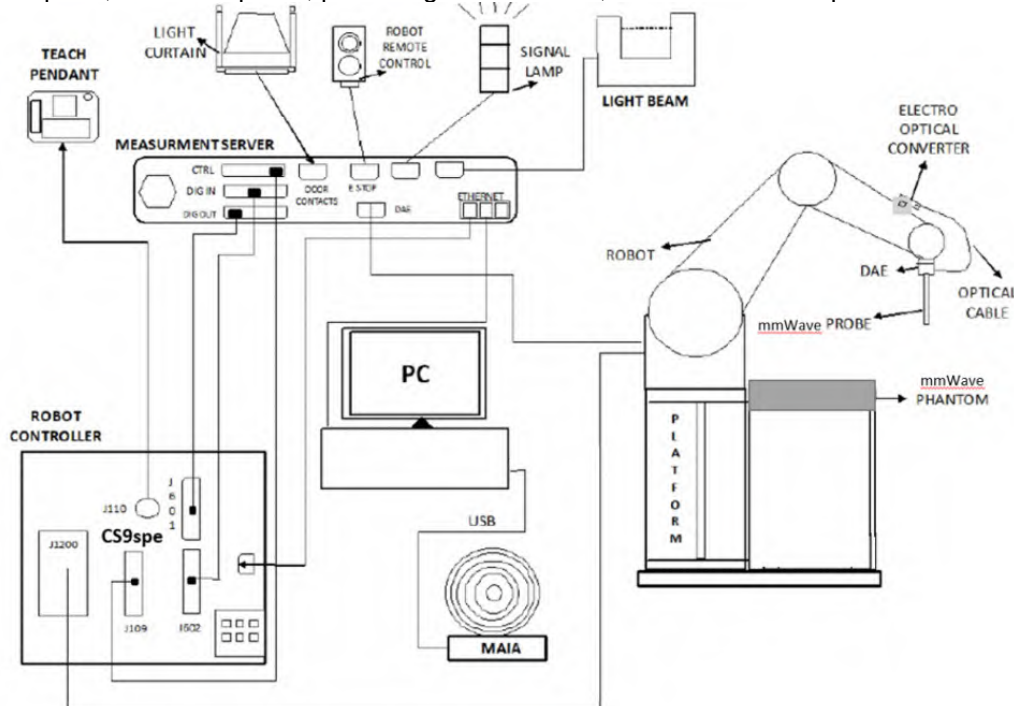
E_{tot} = total electric field strength in V/m

H_{tot} = total magnetic field strength in A/m

4 PD Measurements System Configuraion

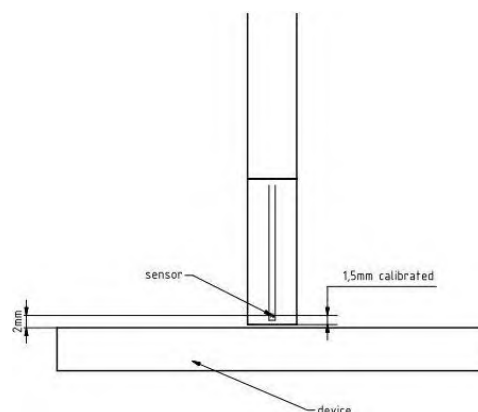
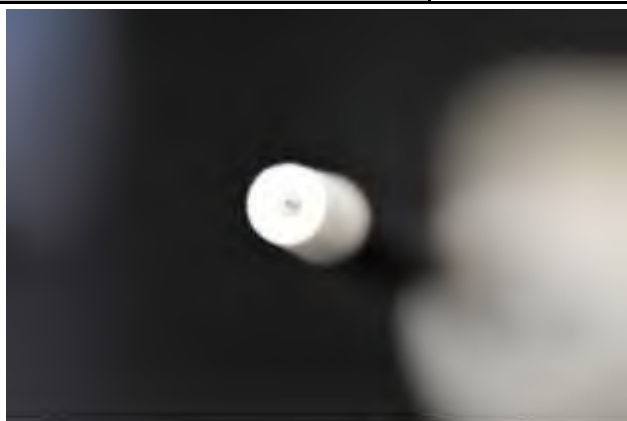
4.1 Power density measurement system

Power density measurements for mmWave frequencies were performed using SPEAG DASY8 or Higher with mmWave module. The system included a high precision robotics system (Staubli), robot controller, desktop computer, near-field probe, probe alignment sensor, and the mmWave phantom cover.



4.2 EUmW probe

Frequency	750 MHz – 110 GHz
Probe Overall Length	320 mm
Probe Body Diameter	8.0 mm
Tip Length	23.0 mm
Tip Diameter	8.0 mm
Probe's two dipoles length	0.9 mm – Diode loaded
Dynamic Range	< 20 V/m - 10000 V/m with PRE-10 (min < 50 V/m - 3000 V/m)
Position Precision	< 0.2 mm
Distance between diode sensors and probe's tip	1.5 mm
Minimum Mechanical separation between probe tip and a Surface	0.5 mm
Applications	E-field measurements of 5G devices and other mm-wave transmitters operating above 10GHz in < 2 mm distance from device (free-space) Power density, H-field and far-field analysis using total field reconstruction.
Compatibility	cDASY8 + 5G-Module SW1.0 and higher



The EUmW probe is based on the pseudo-vector probe design, which not only measures the field magnitude but also derives its polarization ellipse. The design entails two small 0.8mm dipole sensors mechanically protected by high-density foam, printed on both sides of a 0.9mm wide and 0.12mm thick glass substrate. The body of the probe is specifically constructed to minimize distortion by the scattered fields. The probe consists of two sensors with different angles (1 and 2) arranged in the same plane in the probe axis. Three or more measurements of the two sensors are taken for different probe rotational angles to derive the amplitude and polarization information. The probe design allows measurements at distances as small as 2mm from the sensors to the surface of the device under test (DUT). The typical sensor to probe tip distance is 1.5 mm. The exact distance is calibrated.

4.3 Data Acquisition Electronics (DAE)

Model	DAE	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV,400mV)	
Input Offset Voltage	< 5μV (with auto zero)	
Input Bias Current	< 50 f A	
Dimensions	60 x 60 x 68 mm	

4.4 Measurement Procedure

Fine-resolution scans on 2 different planes are performed to reconstruct the E- and H-fields as well as the power density; the z-distance between the 2 planes is set to $\lambda/4$. The (x, y) grid step is also set $\lambda/4$, the grid extent is set to sufficiently large to identify the field pattern and the peak.

5 SAR measurement variability and uncertainty

5.1 SAR measurement variability

Per KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The 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.

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

3) Perform a second repeated measurement only 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 ($\sim 10\%$ from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

5.2 SAR measurement uncertainty

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, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

6 PD measurement uncertainty

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience and knowledge of the behavior and properties of relevant materials and instruments, manufacturer's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi plying Factor ^(a)	1/k ^(b)	1/√3	1/√6	1/√2

Standard Uncertainty for Assumed Distribution

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

(b) k is the coverage factor

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

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

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

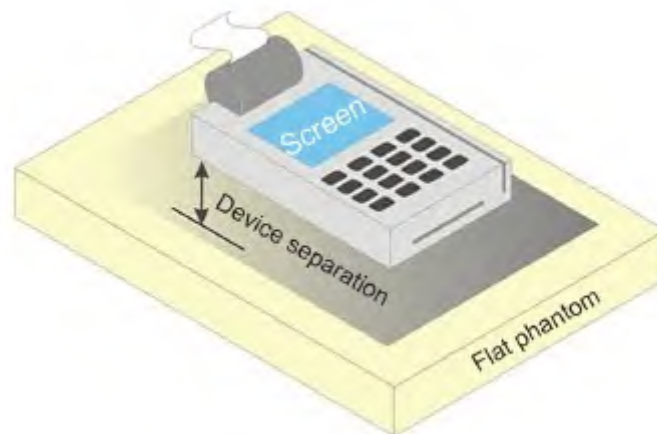
a	b	c	d	e	f=b*e/d	g
Error Description	Uncertainty Value (±dB)	Probability	Div.	Ci	Standard Uncertainty (±dB)	Vi (Veff)
Probe Calibration	0.49	N	1	1	0.49	∞
Probe correction	0.00	R	1.732	1	0.00	∞
Frequency response (BW ≤1 GHz)	0.20	R	1.732	1	0.12	∞
Sensor cross coupling	0.00	R	1.732	1	0.00	∞
Isotropy	0.50	R	1.732	1	0.29	∞
Linearity	0.20	R	1.732	1	0.12	∞
Probe scattering	0.00	R	1.732	1	0.00	∞
Probe positioning offset	0.30	R	1.732	1	0.17	∞
Probe positioning repeatability	0.04	R	1.732	1	0.02	∞
Sensor mechanical offset	0.00	R	1.732	1	0.00	∞
Probe spatial resolution	0.00	R	1.732	1	0.00	∞
Field impedance dependance	0.00	R	1.732	1	0.00	∞
Amplitude and phase drift	0.00	R	1.732	1	0.00	∞
Amplitude and phase noise	0.04	R	1.732	1	0.02	∞
Measurement area truncation	0.00	R	1.732	1	0.00	∞
Data acquisition	0.03	N	1	1	0.03	∞
Sampling	0.00	R	1.732	1	0.00	∞
Field reconstruction	2.00	R	1.732	1	1.15	∞
Forward transformation	0.00	R	1.732	1	0.00	∞
Power density scaling	0.00	R	1.732	1	0.00	∞
Spatial averaging	0.10	R	1.732	1	0.06	∞
System detection limit	0.04	R	1.732	1	0.02	∞
Probe coupling with DUT	0.00	R	1.732	1	0.00	∞
Modulation response	0.40	R	1.732	1	0.23	∞
Integration time	0.00	R	1.732	1	0.00	∞
Response time	0.00	R	1.732	1	0.00	∞
Device holder influence	0.10	R	1.732	1	0.06	∞
DUT alignment	0.00	R	1.732	1	0.00	∞
RF ambient conditions	0.04	R	1.732	1	0.02	∞
Ambient reflections	0.04	R	1.732	1	0.02	∞
Immunity / secondary reception	0.00	R	1.732	1	0.00	∞
Drift of the DUT		R	1.732	1	0.00	∞
Combined Std. Uncertainty					1.33	
Expanded STD Uncertainty (95%), K=2					2.67	

7 Description of Test Position

7.1 The Body Test Position

7.1.1 Terminals used next to or against the body

A typical example of a device used next to the body is a credit card transaction authorization terminals, and point-of-sale and/or inventory terminals. The DUT shall be positioned with its base (bottom surface) and applicable edges against the flat phantom. The orientations and other use positions can be host device specific. Therefore, these should be determined according to the transmitter and antenna locations on the host device. A testing distance of 5mm or less is used for SAR testing of this type of device.



a) Wireless credit card transaction authorization terminal

7.1.2 Wireless Router exposure conditions

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed-use conditions for this type of devices. For devices with form factors smaller than $9 \text{ cm} \times 5 \text{ cm}$, a test separation distance of 5 mm is required.

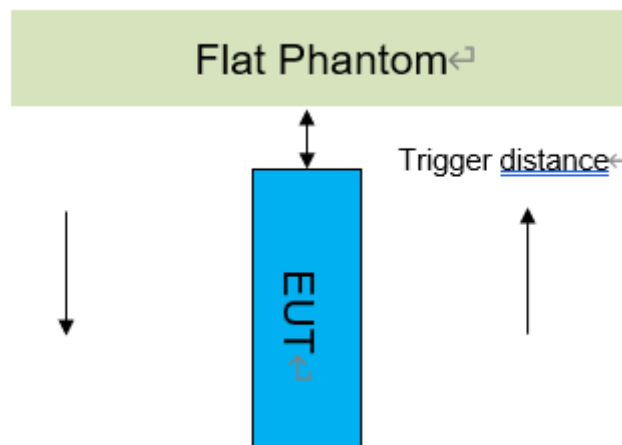
7.2 Extremity exposure conditions

Due to the SAR result, only the NFC frequency bands need to test with 0mm for the Product Specific 10-g SAR, the others are not required.

7.3 Proximity Sensor Triggering Test

7.3.1 Proximity sensor triggering distances

The Proximity sensor triggering was applied to the below table list antenna. Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed.

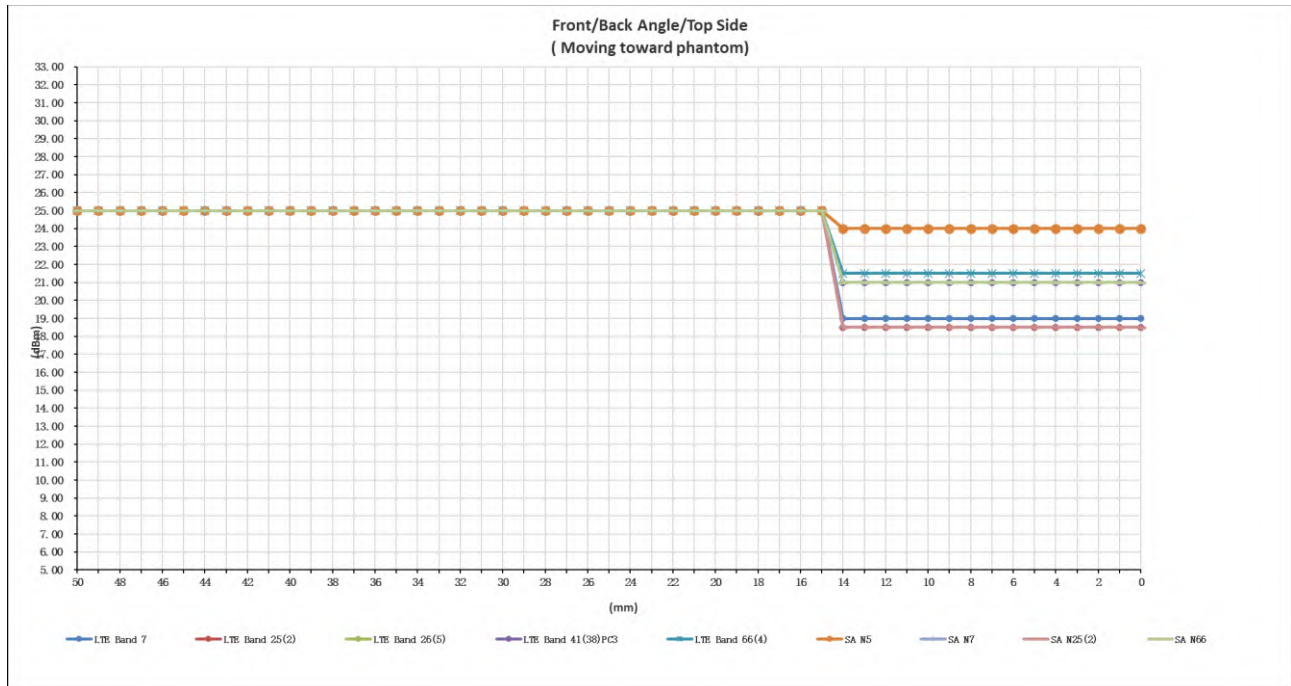


Proximity Sensor Triggering Distance(mm)				
Ant.0				
Position	Front side	Back Angle Side	Top Side	Bottom Side
Minimum	14	14	14	/
An.1				
Position	Front side	Back Angle Side	Right Side	Bottom Side
Minimum	/	14	14	/
Ant.2				
Position	Front side	Back Angle Side	Right side	Bottom Side
Minimum	/	/	14	/
Ant.5				
Position	Front side	Back Angle Side	Top Side	Bottom Side
Minimum	/	14	14	/

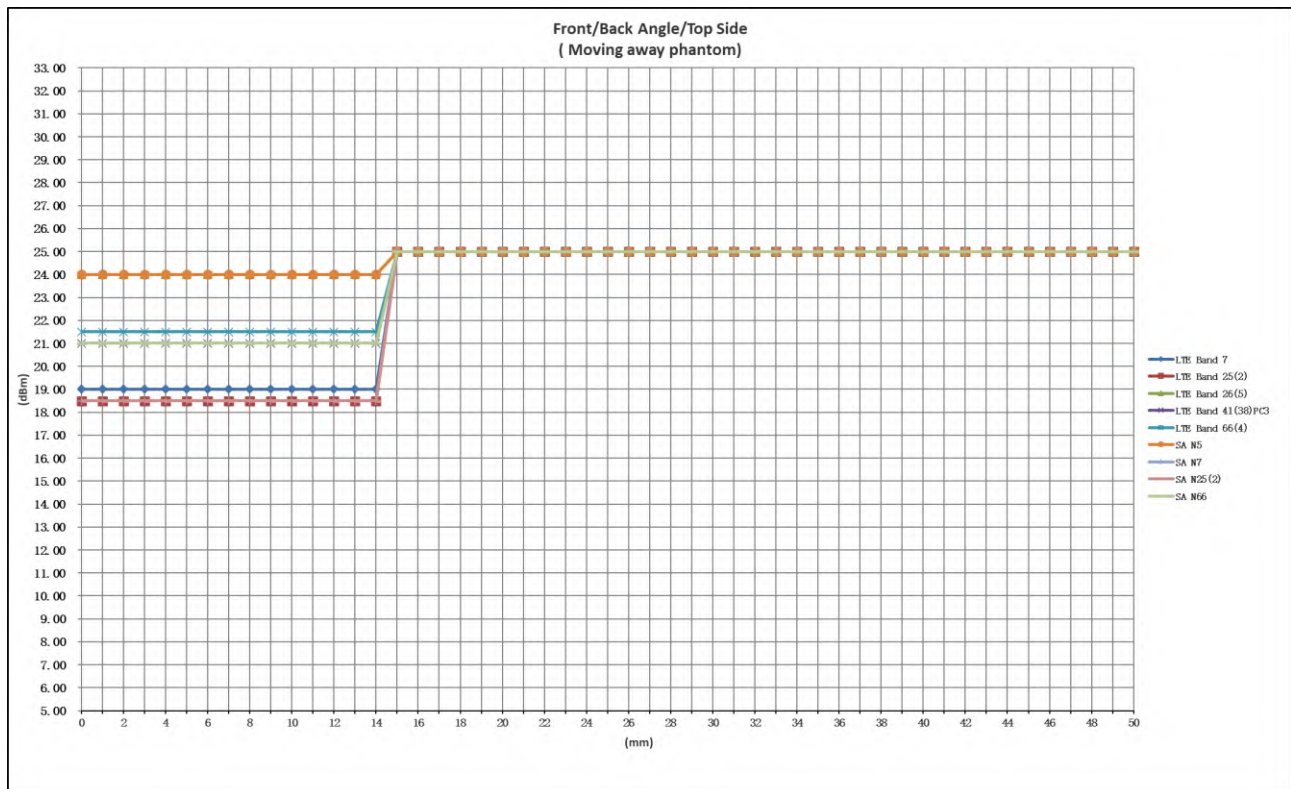
Note:

SAR tests with proximity sensor power reduction are only required for the sides of frequency bands in the table above. For the other sides or other frequency bands of the device, SAR is still tested at the maximum power level with sensor off.

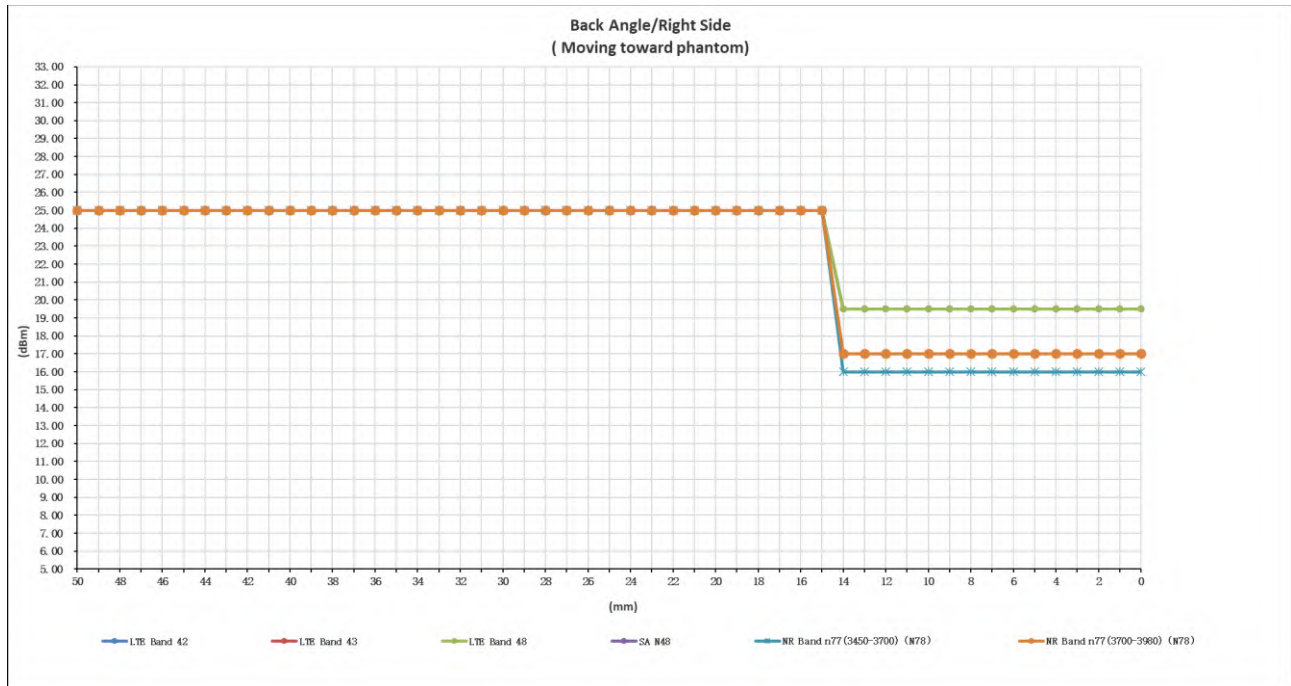
● Ant 0 DUT Moving Toward(Trigger)the Phantom



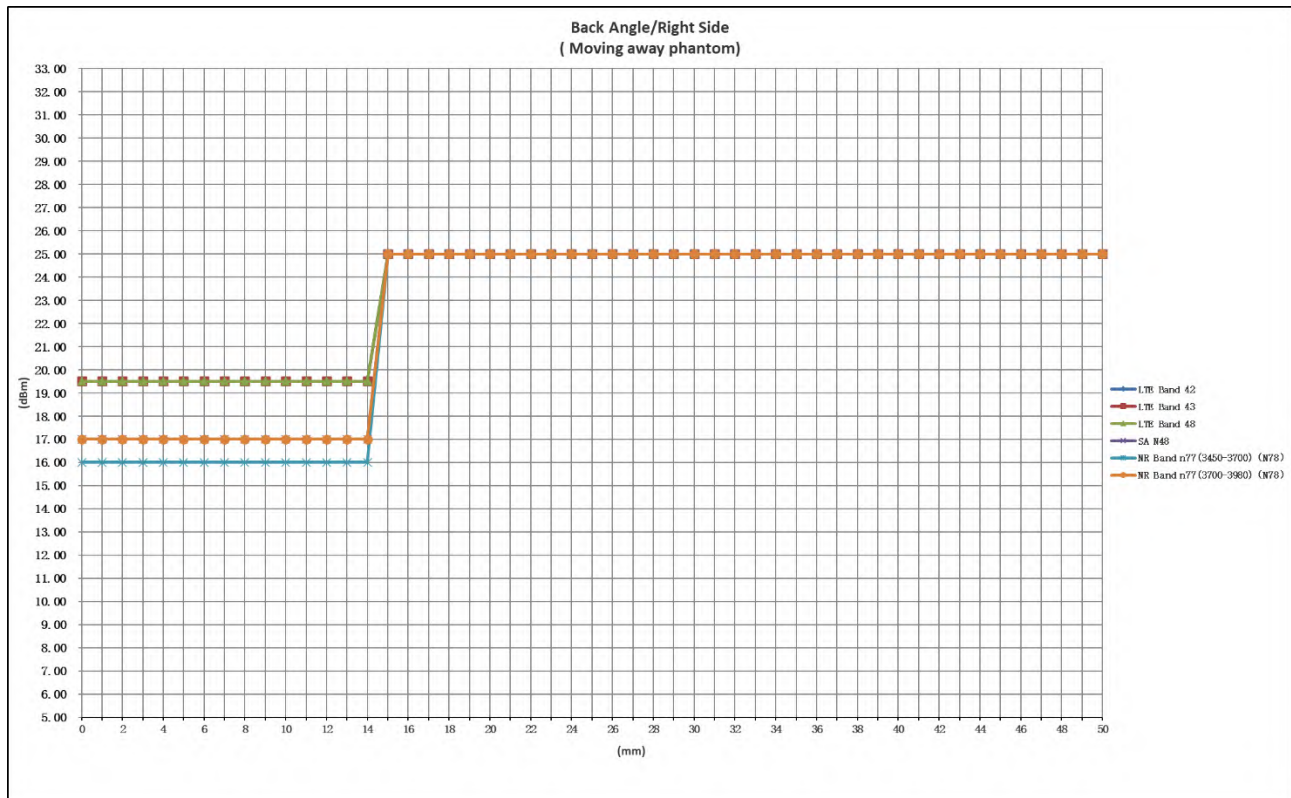
● Ant 0 DUT Moving Away(Release) from the Phantom



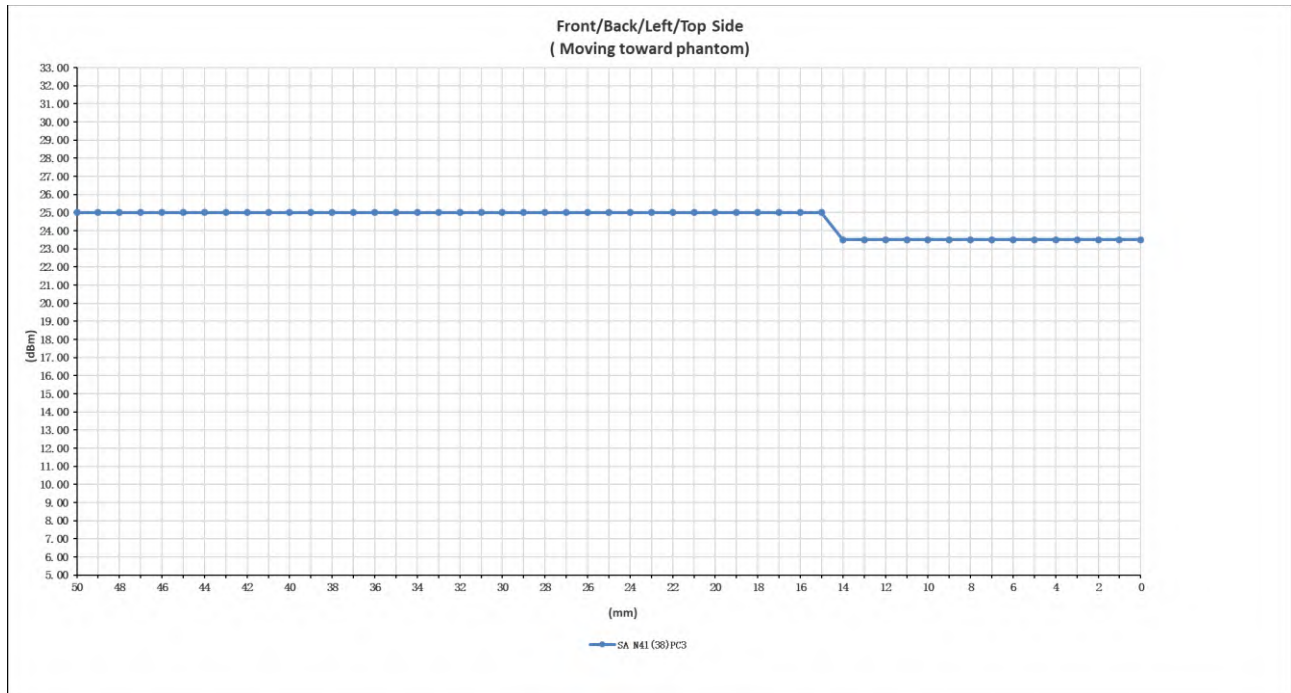
● Ant 1 DUT Moving Toward(Trigger)the Phantom



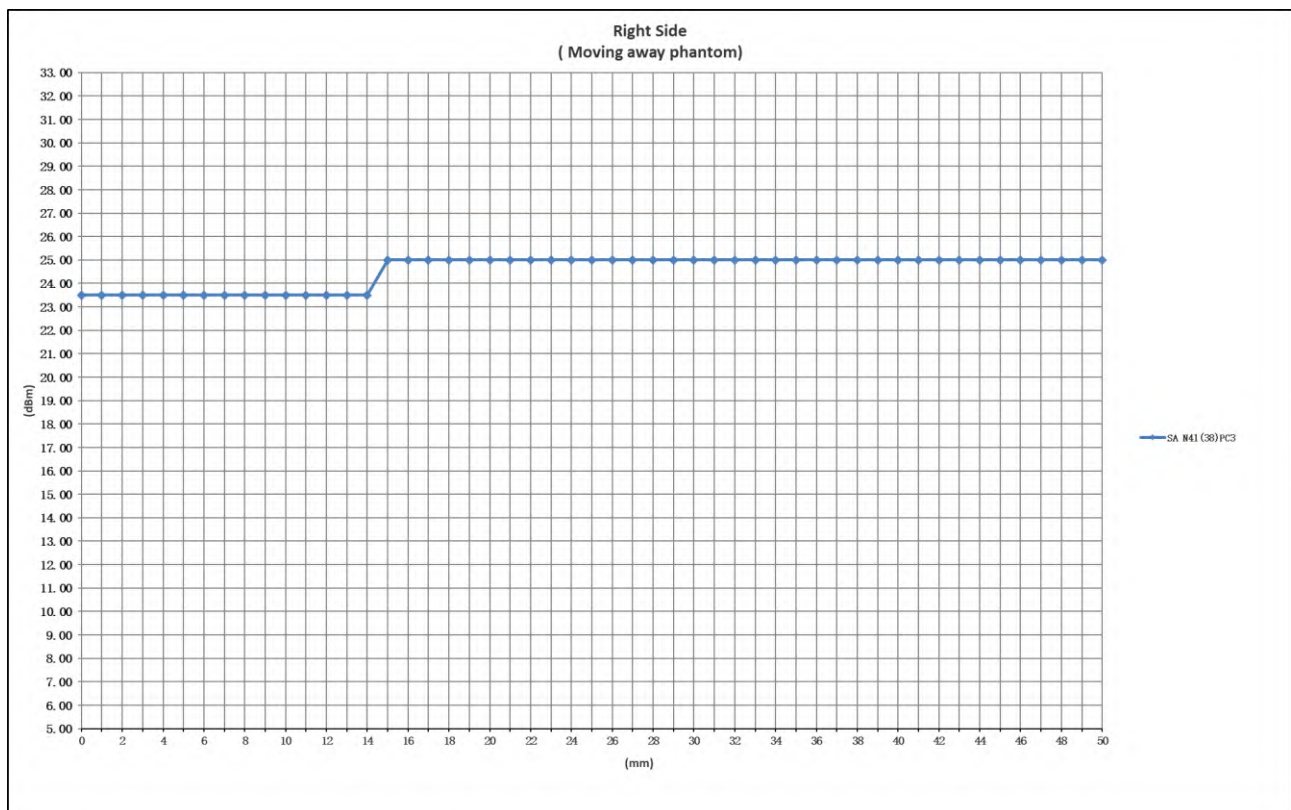
● Ant 1 DUT Moving Away(Release) from the Phantom



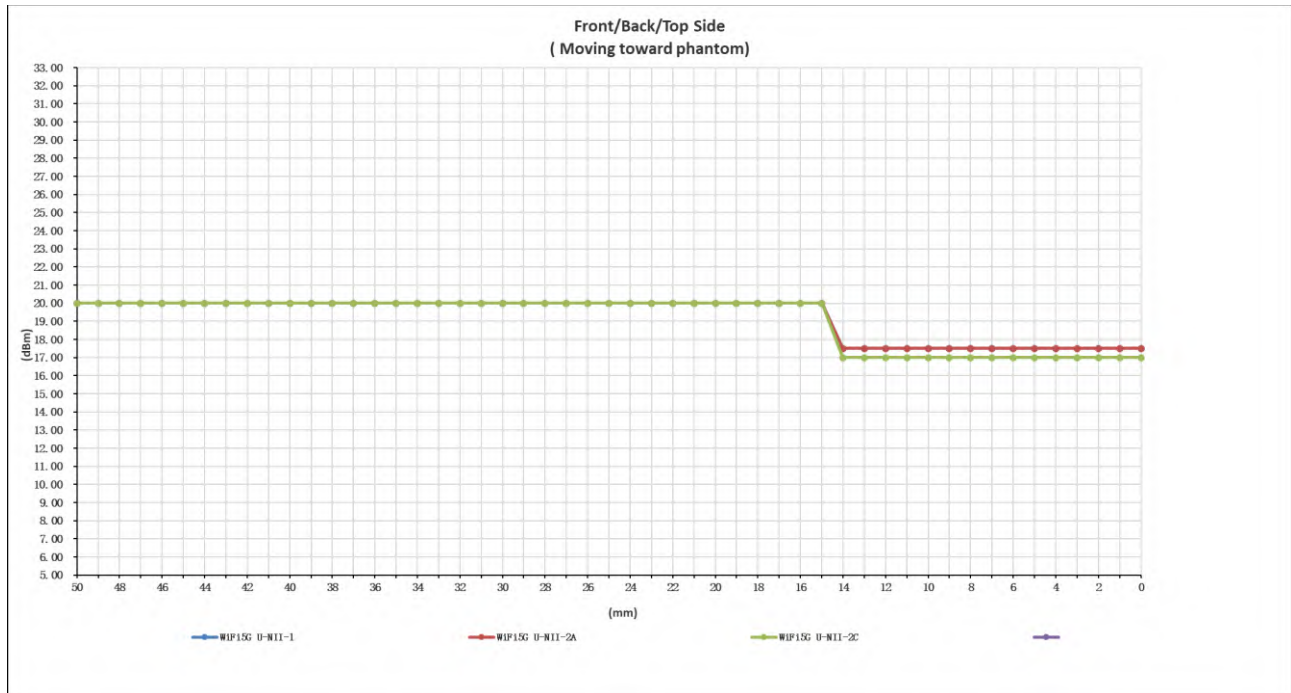
● Ant 2 DUT Moving Toward(Trigger)the Phantom



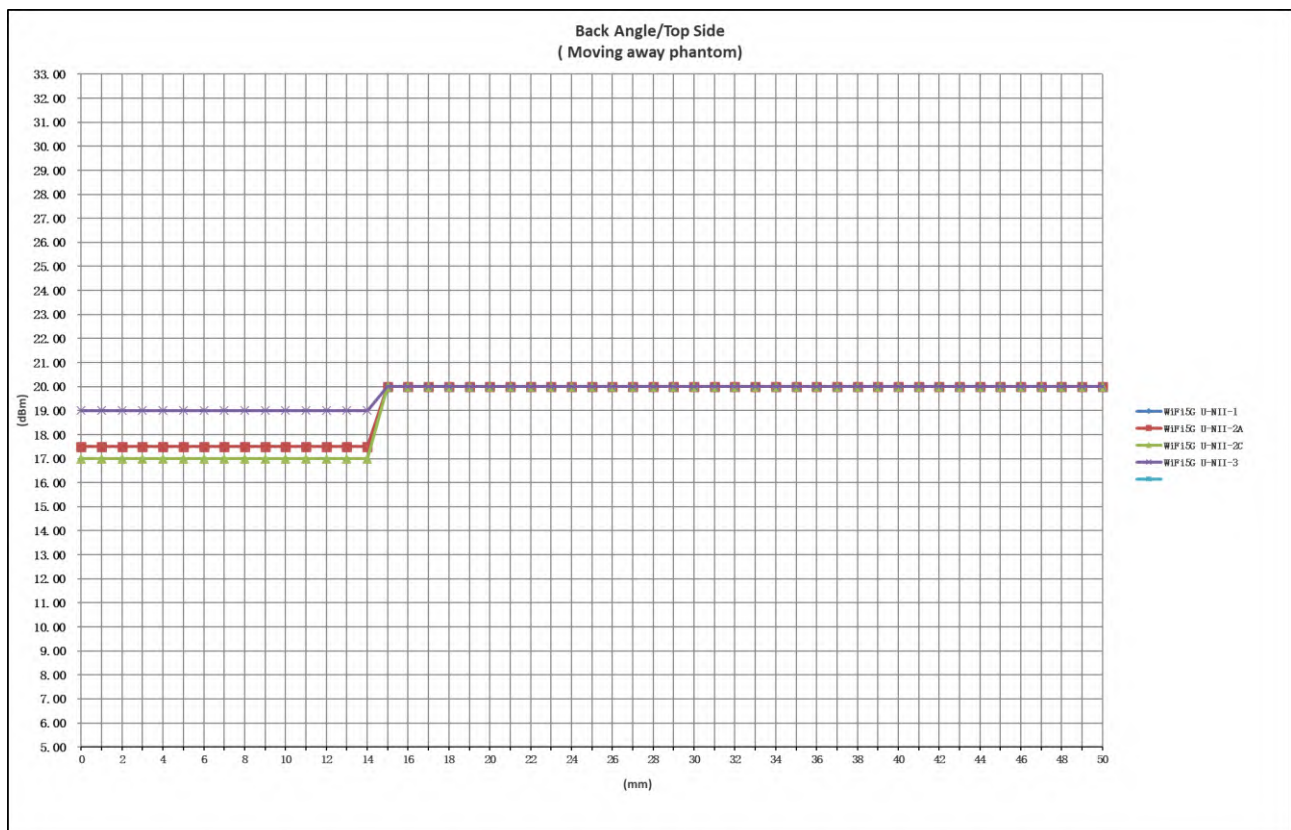
● Ant 2 DUT Moving Away(Release) from the Phantom



● Ant 5 DUT Moving Toward(Trigger)the Phantom



● Ant 5 DUT Moving Away(Release) from the Phantom



7.3.2 Proximity sensor coverage

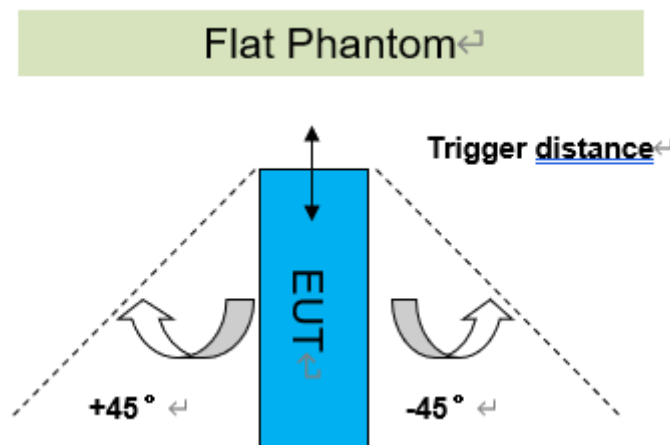
If a sensor is spatially offset from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user, but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. For p-sensor coverage testing, the device is moved and “along the direction of maximum antenna and sensor offset”.

The proximity sensor and main antenna use same metallic electrode, so there is no spatial offset.

7.3.3 Device tilt angle influences on proximity sensor triggering

The influence of device tilt angles to proximity sensor triggering was determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom.

Rotating the tablet around the edge next to the phantom in $\leq 10^\circ$ increments until the tablet is $\pm 45^\circ$ from the vertical position at 0° , and the maximum output power remains in the reduced mode.



Summary of Tablet Tilt Angle Influence on Proximity Sensor Triggering for Edge Side													
Band (MHz)	Minimum trigger distance Per KDB616217§6.2	Minimum trigger distance at which power reduction was maintained over $\pm 45^\circ$	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
Ant 0	Top Side 14mm	Top Side 14mm	on	on	on	on	on	on	on	on	on	on	on
Ant 1	Right Side 14mm	Right Side 14mm	on	on	on	on	on	on	on	on	on	on	on
Ant 2	Right Side 14mm	Right Side 14mm	on	on	on	on	on	on	on	on	on	on	on
Ant 5	Top Side 14mm	Top Side 14mm	on	on	on	on	on	on	on	on	on	on	on

8 SAR System Verification Procedure

8.1 Tissue Simulate Liquid

8.1.1 Recipes for Tissue Simulate Liquid

The following tables give the recipes for tissue simulating liquids to be used in different frequency bands:

Ingredients (% by weight)	Frequency (MHz)				
	450	700-1000	1700-2000	2300-2500	2500-2700
Water	38.56	40.30	55.24	55.00	54.92
Salt (NaCl)	3.95	1.38	0.31	0.2	0.23
Sucrose	56.32	57.90	0	0	0
HEC	0.98	0.24	0	0	0
Bactericide	0.19	0.18	0	0	0
Tween	0	0	44.45	44.80	44.85
Salt: 99+% Pure Sodium Chloride Water: De-ionized, 16 MΩ+ resistivity Tween: Polyoxyethylene (20) sorbitan monolaurate Sucrose: 98+% Pure Sucrose HEC: Hydroxyethyl Cellulose					
Head Tissue Simulate Liquid (HBBL600-10000V6) is composed of the following ingredients: (Manufactured by SPEAG) Water: 50-65% Mineral oil: 10-30% Emulsifiers: 8-25% Sodium salt: 0-1.5%					

Table 1 : Recipe of Tissue Simulate Liquid

8.1.2 Measurement for Tissue Simulate Liquid

The Conductivity (σ) and Permittivity (ϵ_r) are listed in Table 2. For the SAR measurement given in this report.

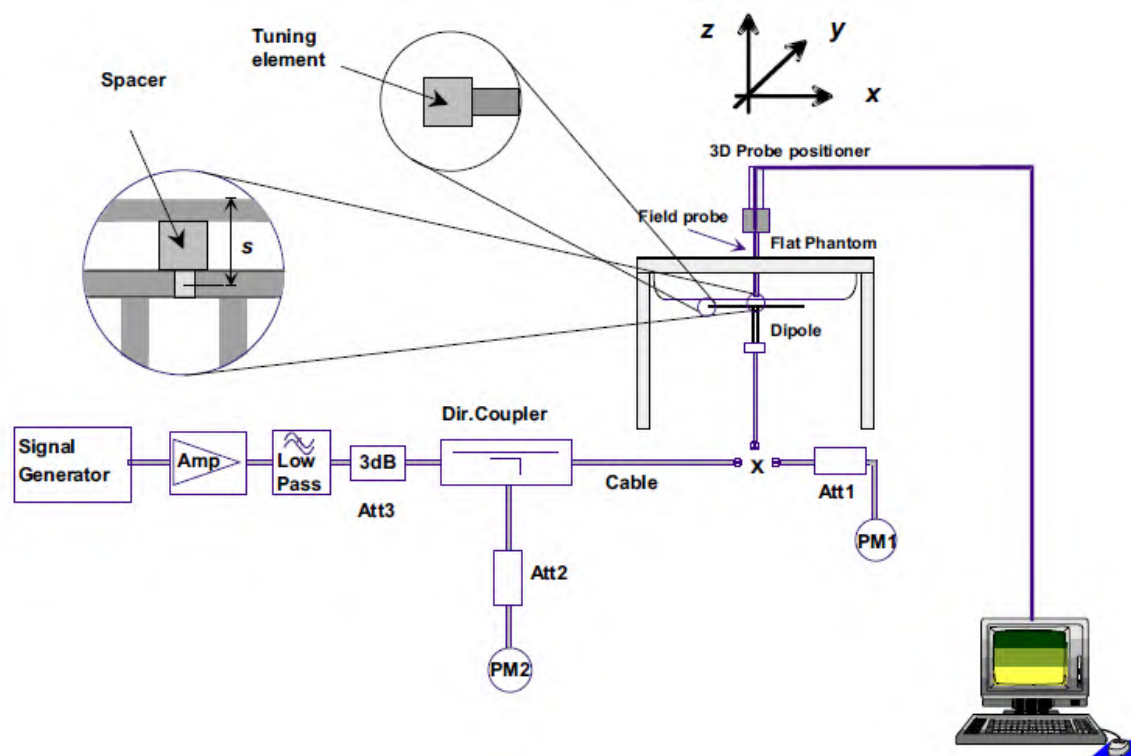
The temperature variation of the Tissue Simulate Liquids was $22 \pm 2^\circ\text{C}$.

Tissue Type	Measured Frequency (MHz)	Measured Tissue		Target Tissue ($\pm 5\%$)		Deviation (Within $\pm 5\%$)		Liquid Temp. ($^\circ\text{C}$)	Test Date
		ϵ_r	$\sigma(\text{S/m})$	ϵ_r	$\sigma(\text{S/m})$	ϵ_r	$\sigma(\text{S/m})$		
13 Head	13	55.625	0.744	55.00	0.75	1.14%	-0.80%	22.4	2026/1/20
750 Head	750	43.307	0.870	41.90	0.89	3.36%	-2.25%	22.4	2025/12/23
750 Head	750	43.555	0.875	41.90	0.89	3.95%	-1.69%	22.4	2025/12/24
835 Head	835	41.468	0.910	41.50	0.90	-0.08%	1.11%	22.6	2025/12/25
835 Head	835	42.975	0.925	41.50	0.90	3.55%	2.78%	22.3	2025/12/26
1750 Head	1750	38.363	1.324	40.10	1.37	-4.33%	-3.36%	22.2	2025/12/27
1750 Head	1750	41.468	1.306	40.10	1.37	3.41%	-4.67%	22.7	2025/12/28
1950 Head	1950	40.398	1.414	40.00	1.40	1.00%	1.00%	22.7	2025/12/29
1950 Head	1950	40.629	1.422	40.00	1.40	1.57%	1.57%	22.9	2025/12/30
2450 Head	2450	38.639	1.804	39.20	1.80	-1.43%	0.22%	22.5	2025/12/31
2450 Head	2450	38.860	1.815	39.20	1.80	-0.87%	0.83%	22.8	2026/1/1
2600 Head	2600	38.091	1.973	39.00	1.96	-2.33%	0.66%	22.6	2026/1/2
2600 Head	2600	38.309	1.985	39.00	1.96	-1.77%	1.28%	22.6	2026/1/3
3400 Head	3400	38.469	2.876	38.10	2.85	0.97%	0.91%	22.6	2026/1/4
3400 Head	3400	38.940	2.871	38.10	2.85	2.20%	0.74%	22.4	2026/1/5
3500 Head	3500	38.131	2.998	37.90	2.93	0.61%	2.32%	22.6	2026/1/6
3500 Head	3500	38.615	2.989	37.90	2.93	1.89%	2.01%	22.5	2026/1/7
3700 Head	3700	37.500	3.231	37.70	3.12	-0.53%	3.56%	22.7	2026/1/8
3700 Head	3700	37.946	3.221	37.70	3.12	0.65%	3.24%	22.3	2026/1/9
3900 Head	3900	36.883	3.457	37.50	3.32	-1.65%	4.13%	22.8	2026/1/10
3900 Head	3900	37.317	3.454	37.50	3.32	-0.49%	4.04%	22.7	2026/1/11
5250 Head	5250	37.029	4.873	35.90	4.71	3.14%	3.46%	22.3	2026/1/12
5600 Head	5600	36.667	5.241	35.50	5.07	3.29%	3.37%	22.5	2026/1/13
5750 Head	5750	36.519	5.401	35.40	5.22	3.16%	3.47%	22.4	2026/1/14
6500 Head	6500	34.300	6.320	34.50	6.07	-0.58%	4.12%	22.3	2026/1/15

Table 2 : Measurement result of Tissue electric parameters

8.2 SAR System Check

The microwave circuit arrangement for system Check is sketched in F-12. 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 following table (A power level of 250mW (below 3GHz) or 100mW (3-6GHz) was input to the dipole antenna). 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 60% and the liquid depth above the ear reference points was above 15 ± 0.5 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.



F-12.The microwave circuit arrangement used for SAR system Check

8.2.1 Justification for Extended SAR Dipole Calibrations

1) Instead of the typical annual calibration recommended by measurement standards, longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable according to the following requirements. Each measured dipole is expected to evaluate with the following criteria at least on annual interval in Appendix C.

- a) There is no physical damage on the dipole;
- b) System check with specific dipole is within 10% of calibrated value;
- c) Return-loss is within 20% of calibrated measurement;
- d) Impedance is within 5Ω from the previous measurement.

2) Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.

8.2.2 Summary System Check Result(s)

Validation Kit	Measured SAR 250mW	Measured SAR 250mW	Measured SAR (normalized to 1W)	Measured SAR (normalized to 1W)	Target SAR (normalized to 1W)	Target SAR (normalized to 1W)	Deviation (Within $\pm 10\%$)		Liquid Temp. ($^{\circ}\text{C}$)	Test Date
	1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)	1- g(W/kg)	10- g(W/kg)		
CLA13_Head	0.11	0.07	0.44	0.28	0.42	0.27	4.76%	3.70%	22.4	2026/1/20
D750V3_Head	2.09	1.34	8.36	5.36	8.54	5.80	-2.11%	-7.59%	22.4	2025/12/23
D750V3_Head	2.10	1.35	8.40	5.40	8.54	5.80	-1.64%	-6.90%	22.4	2025/12/24
D835V2_Head	2.56	1.64	10.24	6.56	9.60	6.16	6.67%	6.49%	22.6	2025/12/25
D835V2_Head	2.51	1.57	10.04	6.28	9.60	6.16	4.58%	1.95%	22.3	2025/12/26
D1750V2_Head	9.06	4.82	36.24	19.28	36.30	19.30	-0.17%	-0.10%	22.2	2025/12/27
D1750V2_Head	8.60	4.58	34.40	18.32	36.30	19.30	-5.23%	-5.08%	22.7	2025/12/28
D1950V3_Head	9.47	4.90	37.88	19.60	40.40	20.80	-6.24%	-5.77%	22.7	2025/12/29
D1950V3_Head	9.54	4.94	38.16	19.76	40.40	20.80	-5.54%	-5.00%	22.9	2025/12/30
D2450V2_Head	12.90	6.07	51.60	24.28	52.70	24.60	-2.09%	-1.30%	22.5	2025/12/31
D2450V2_Head	13.00	6.11	52.00	24.44	52.70	24.60	-1.33%	-0.65%	22.8	2026/1/1
D2600V2_Head	13.10	6.07	52.40	24.28	55.20	24.70	-5.07%	-1.70%	22.6	2026/1/2
D2600V2_Head	13.20	6.11	52.80	24.44	55.20	24.70	-4.35%	-1.05%	22.6	2026/1/3
Validation Kit	Measured SAR 100mW	Measured SAR 100mW	Measured SAR (normalized to 1W)	Measured SAR (normalized to 1W)	Target SAR (normalized to 1W)	Target SAR (normalized to 1W)	Deviation (Within $\pm 10\%$)		Liquid Temp. ($^{\circ}\text{C}$)	Test Date
	1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)	1- g(W/kg)	10- g(W/kg)		
D3400V2_Head	6.43	2.55	64.30	25.50	68.60	26.10	-6.27%	-2.30%	22.6	2026/1/4
D3400V2_Head	6.33	2.59	63.30	25.90	68.60	26.10	-7.73%	-0.77%	22.4	2026/1/5
D3500V2_Head	6.66	2.66	66.60	26.60	64.50	24.50	3.26%	8.57%	22.6	2026/1/6
D3500V2_Head	6.65	2.66	66.50	26.60	64.50	24.50	3.10%	8.57%	22.5	2026/1/7
D3700V2_Head	6.33	2.32	63.30	23.20	65.60	24.10	-3.51%	-3.73%	22.7	2026/1/8
D3700V2_Head	6.54	2.51	65.40	25.10	65.60	24.10	-0.30%	4.15%	22.3	2026/1/9
D3900V2_3.9GHz_Head	7.11	2.42	71.10	24.20	67.60	23.50	5.18%	2.98%	22.8	2026/1/10
D3900V2_3.9GHz_Head	6.17	2.22	61.70	22.20	67.60	23.50	-8.73%	-5.53%	22.7	2026/1/11
D5GHzV2_5.25G_Head	7.92	2.22	79.20	22.20	77.20	21.90	2.59%	1.37%	22.3	2026/1/12
D5GHzV2_5.6G_Head	8.29	2.29	82.90	22.90	81.10	22.80	2.22%	0.44%	22.5	2026/1/13
D5GHzV2_5.75G_Head	8.22	2.28	82.20	22.80	77.80	21.70	5.66%	5.07%	22.4	2026/1/14
D6500V2_Head	30.30	5.64	303.00	56.40	297.00	54.30	2.02%	3.87%	22.3	2026/1/15

Table 3 : SAR System Check Result

8.2.3 Detailed System Check Results

Please see the Appendix A

9 PD System Verification Procedure

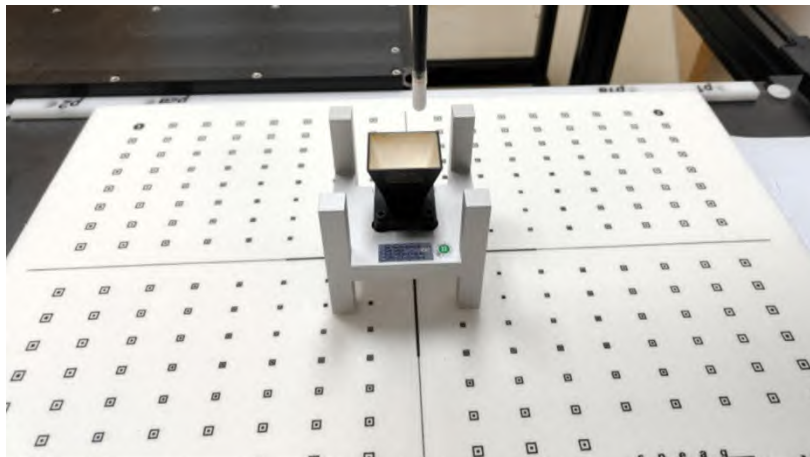
9.1 PD System Check Setting

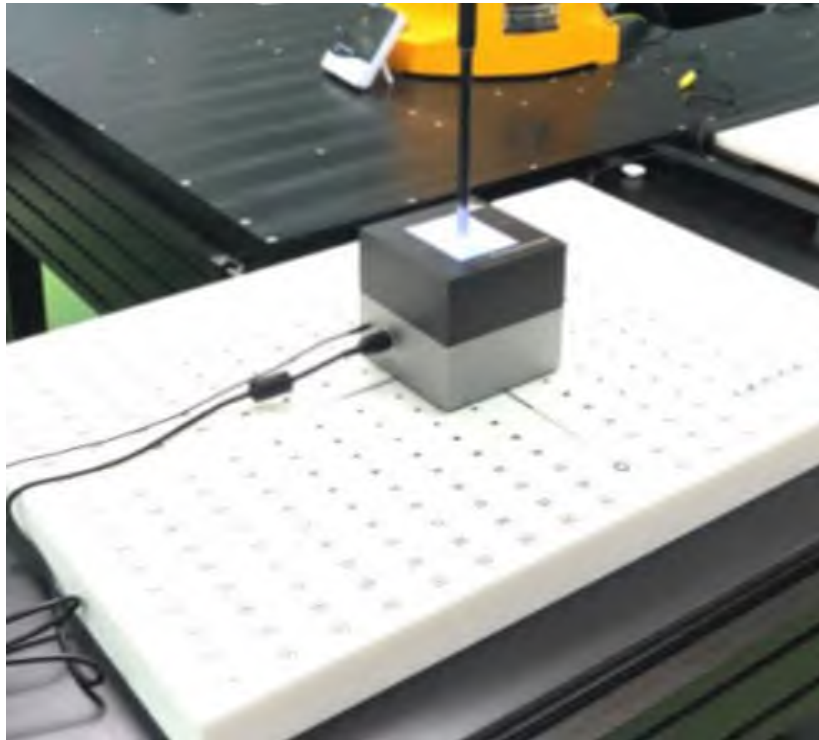
The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

Settings for measurement of verification sources

Frequency [GHz]	Grid step	Grid extent X/Y [mm]	Measurement points
10	$0.25 \left(\frac{\lambda}{4}\right)$	120/120	16×16
30	$0.25 \left(\frac{\lambda}{4}\right)$	60/60	24×24
60	$0.25 \left(\frac{\lambda}{4}\right)$	32.5/32.5	26×26
90	$0.25 \left(\frac{\lambda}{4}\right)$	30/30	36×36





System Verification Setup Photo

9.2 PD System Check Results

Frequent	Measured PD W/m ²	Target PD W/m ²	Circular Deviation (Within ±0.66dB)	Test Date
	4cm ²	4cm ²	4cm ²	
10G HZ Source	188	183	0.12	2026/1/24

9.3 Detailed System Check Results

Please see the Appendix A

10 Test Configuration

10.1 Operation Configurations

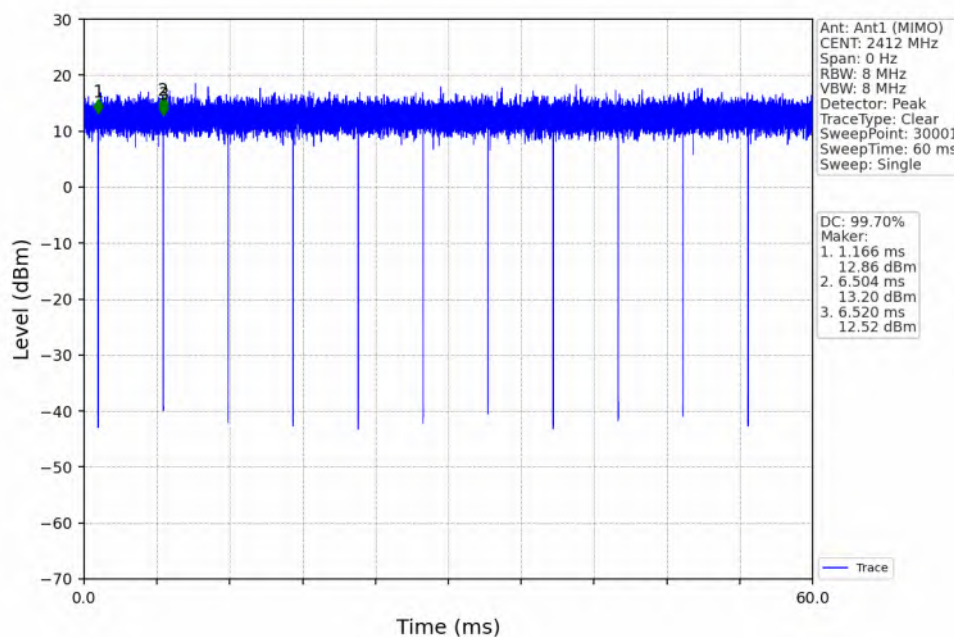
10.1.1 WIFI Test Configuration

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.

10.1.1.1 Duty cycle

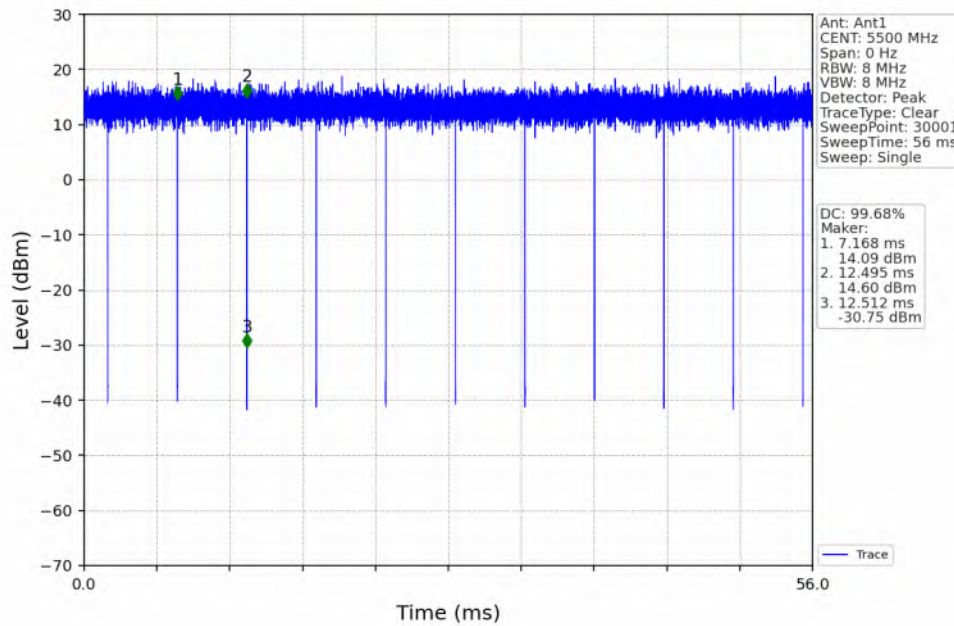
1) Wi-Fi 2.4GHz 802.11ax HE20:

Duty cycle=99.70%



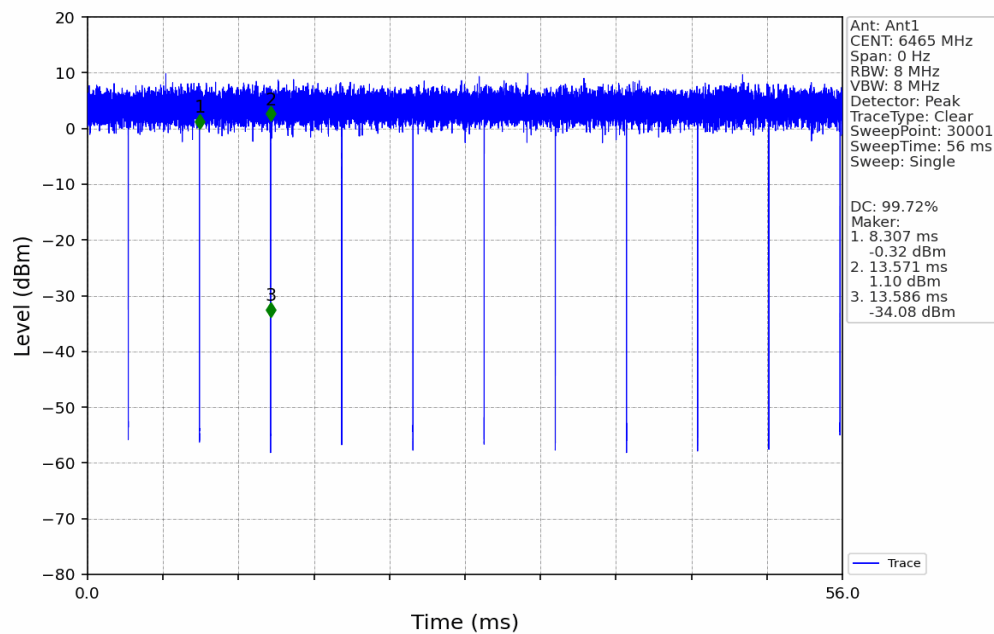
2) Wi-Fi 5G 802.11n HT20 (MIMO):

Duty cycle=99.68 %



3) Wi-Fi 6GHz 802.11be EHT80 (MIMO):

Duty cycle=99.72 %



10.1.1.2 Initial Test Position SAR Test Reduction Procedure

DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. The initial test position procedure is described in the following:

- 1) . When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other (remaining) test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band. SAR is also not required for that exposure configuration in the subsequent test configuration(s).
- 2) . When the reported SAR of the initial test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest extrapolated or estimated 1-g SAR conditions determined by area scans or next closest/smallest test separation distance and maximum RF coupling test positions based on manufacturer justification, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.
- 3) . For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested. a) Additional power measurements may be required for this step, which should be limited to those necessary for identifying the subsequent highest output power channels.

10.1.1.3 Subsequent Test Configuration Procedures

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. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.

- 1) . When SAR test exclusion provisions of KDB Publication 447498 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
- 2) . When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), 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.
- 3) . The number of channels in the initial test configuration and subsequent test configuration can be different due to differences in channel bandwidth. When SAR measurement is required for a subsequent test configuration and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel. This step requires additional power measurement to identify the highest maximum output power channel in the subsequent test configuration to determine SAR test reduction.
 - a) SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.
 - b) SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the reported SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is > 1.2 W/kg or until all required channels are tested. i) For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.
- 4) . SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration (highest maximum output) or subsequent test configuration(s) (subsequent next highest maximum output power) is determined by recursively applying the subsequent test configuration procedures in this section to the remaining configurations according to the following:
 - a) replace “subsequent test configuration” with “next subsequent test configuration” (i.e., subsequent next highest specified maximum output power configuration)
 - b) replace “initial test configuration” with “all tested higher output power configurations”

10.1.1.4 2.4 GHz WiFi SAR Procedures

Separate SAR procedures are applied to DSSS and OFDM configurations in the 2.4 GHz band to simplify DSSS test requirements. For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions. When SAR measurement is required for an OFDM configuration, the initial test configuration, subsequent test configuration and initial test position procedures are applied. The SAR test exclusion requirements for 802.11g/n OFDM configurations are described in following.

- **802.11b DSSS SAR Test Requirements**

SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) . When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 2) . When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

- **2.4 GHz 802.11g/n OFDM SAR Test Exclusion Requirements**

When SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations, the measurement and test reduction procedures for OFDM are applied (section 5.3, including sub-sections). SAR is not required for the following 2.4 GHz OFDM conditions.

- 1) . When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
- 2) . When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

- **SAR Test Requirements for OFDM configurations**

When SAR measurement is required for 802.11 g/n OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.

10.1.1.5 5 GHz WiFi SAR Procedures

- **U-NII-1 and U-NII-2A Bands**

For devices that operate in only one of the U-NII-1 and U-NII-2A bands, the normally required SAR procedures for OFDM configurations are applied. 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); otherwise, both bands are tested independently for SAR.
- 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; otherwise, both bands are tested independently for SAR.
- 3) The two U-NII bands may be aggregated to support a 160 MHz channel on channel number 50. Without additional testing, the maximum output power for this is limited to the lower of the maximum output power certified for the two bands. When SAR measurement is required for at least one of the bands and the highest reported SAR adjusted by the ratio of specified maximum output power of aggregated to standalone band is > 1.2 W/kg, SAR is required for the 160 MHz channel. This procedure does not apply to an aggregated band with maximum output higher than the standalone band(s); the aggregated band must be tested independently for SAR. SAR is not required when the 160 MHz channel is operating at a reduced maximum power and also qualifies for SAR test exclusion.

- **U-NII-2C and U-NII-3 Bands**

The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. when Terminal Doppler Weather Radar (TDWR) restriction applies, all channels that operate at 5.60 – 5.65 GHz must be included to apply the SAR test reduction and measurement procedures.

When the same transmitter and antenna(s) are used for U-NII-2C band and U-NII-3 band or 5.8 GHz band of §15.247, the bands may be aggregated to enable additional channels with 20, 40 or 80 MHz bandwidth to span across the band gap, as illustrated in Appendix B. The maximum output power for the additional band gap channels is limited to the lower of those certified for the bands. Unless band gap channels are permanently disabled, they must be considered for SAR testing. The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. To maintain SAR measurement accuracy and to facilitate test reduction, the channels in U-NII-2C band above 5.65 GHz may be grouped with the 5.8 GHz channels in U-NII-3 or §15.247 band to enable two SAR probe calibration frequency points to cover the bands, including the band gap channels. When band gap channels are supported and the bands are not aggregated for SAR testing, band gap channels must be considered independently in each band according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements

The initial test configuration for 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. SAR for the initial test configuration is measured using the highest maximum output power channel determined by the default power measurement procedures. When multiple configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined according to the following steps applied sequentially.

- 1) The largest channel bandwidth configuration is selected among the multiple configurations with the same specified maximum output power.
- 2) If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- 3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- 4) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; 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. These channel selection procedures apply to both the initial test configuration and subsequent test configuration(s), with respect to the default power measurement procedures or additional power measurements required for further SAR test reduction. The same procedures also apply to subsequent highest output power channel(s) selection.
 - a) The channel closest to mid-band frequency is selected for SAR measurement.
 - b) 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.

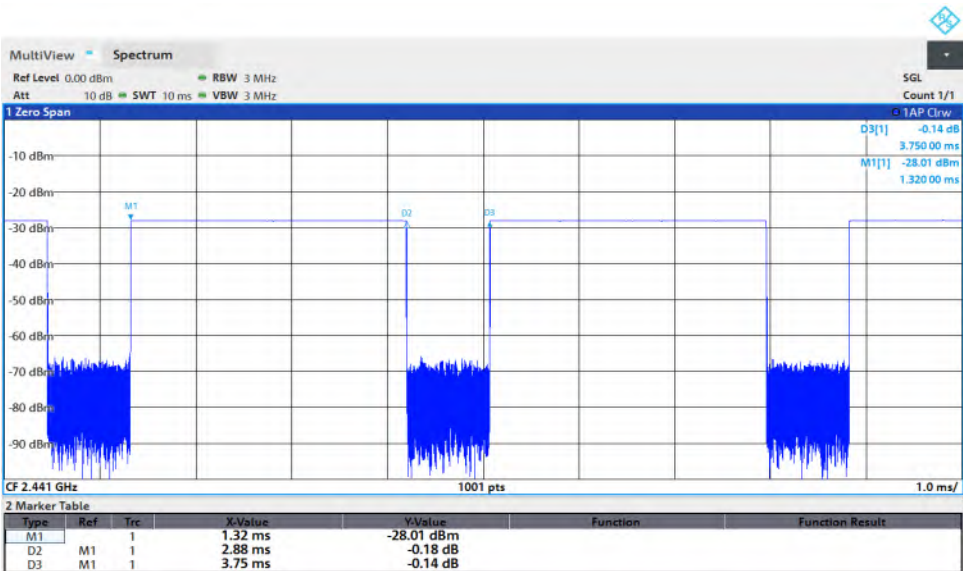
• SAR Test Requirements for OFDM configurations

When SAR measurement is required for 802.11 a/n/ac OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. When the same transmitter and antenna(s) are used for U-NII-1 and U-NII-2A bands, additional SAR test reduction applies. When band gap channels between U-NII-2C band and 5.8 GHz U-NII-3 or §15.247 band are supported, the highest maximum output power transmission mode configuration and maximum output power channel across the bands must be used to determine SAR test reduction, according to the initial test configuration and subsequent test configuration requirements. In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.

10.1.2 BT Test Configuration

For the Bluetooth SAR tests, a communication link is set up with the test mode software for BT mode test. Bluetooth USES frequency hopping technology to divide the transmitted data into packets and transmit the packets respectively through 79 designated Bluetooth channels, frequency hops at 1600 hops/second per the Bluetooth standard, the EUT is operated at the RF continuous emission mode.

BT DH5 Duty Cycle=76.80%



10.1.3 LTE Test Configuration

LTE modes were tested according to FCC KDB 941225 D05 publication. Please see notes after the tabulated SAR data for required test configurations. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The Radio Communication Analyzer was used for LTE output power measurements and SAR testing. Max power control was used so the UE transmits with maximum output power during SAR testing. SAR must be measured with the maximum TTI (transmit time interval) supported by the device in each LTE configuration.

TDD LTE test consideration

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band support 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

Frame structure type 2:

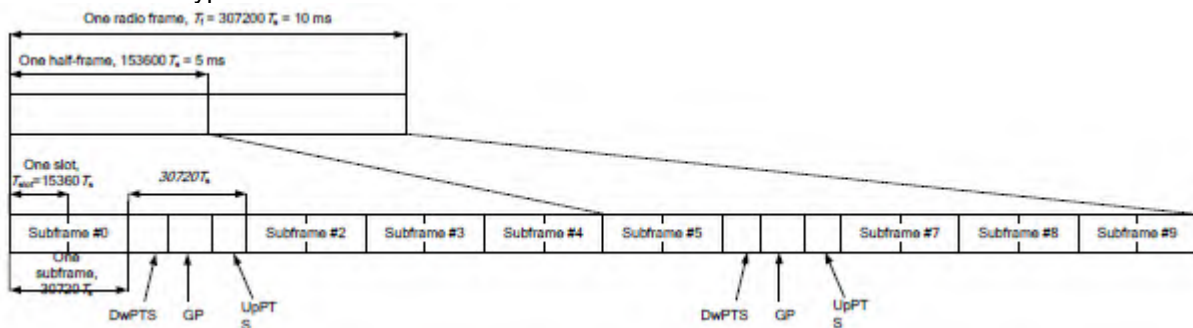


Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	6592.Ts	2192.Ts	2560.Ts	7680.Ts	2192.Ts	2560.Ts
1	19760.Ts			20480.Ts		
2	21952.Ts			23040.Ts		
3	24144.Ts			25600.Ts		
4	26336.Ts	4384.Ts	5120.Ts	7680.Ts	4384.Ts	5120.Ts
5	6592.Ts			20480.Ts		
6	19760.Ts			23040.Ts		
7	21952.Ts			25600.Ts		
8	24144.Ts			-	-	-
9	13168.Ts			-	-	-

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Calculated Duty Cycle=[Extended cyclic prefix in uplink x (Ts) x # of S + # of U]/10ms

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle (%)
		0	1	2	3	4	5	6	7	8	9	
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

A) Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

B) MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

Modulation	Channel bandwidth/Transmission bandwidth						MPR (dB)
	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	0
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	1
16QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	1
16QAM	> 5	> 4	> 8	> 12	> 16	> 18	2
64QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	2
64QAM	> 5	> 4	> 8	> 12	> 16	> 18	3
256QAM	≥ 1						5

C) A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

D) Largest channel bandwidth standalone SAR test requirements

1) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation

The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

3) QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

4) Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in above sections to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

E) Other channel bandwidth standalone SAR test requirements

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section A) to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> \frac{1}{2}$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

10.1.4 NR Band Test Configuration

1. The general information supported by the NR band is as following table:

Band			n2	n5	n7	n12	n25	n38	n41	n48	n66	n71	n77	n78
Modulation	DFT-s-OFDM	PI/2 BPSK	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		QPSK	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		16QAM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		64QAM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		256QAM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CP-OFDM	QPSK	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		16QAM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		64QAM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		256QAM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Max Duty cycle		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Band	SCS	Bandwidth												
		5Mhz	10Mhz	15Mhz	20Mhz	25Mhz	30Mhz	40Mhz	50Mhz	60Mhz	70Mhz	80Mhz	90Mhz	100Mhz
n2	15KHZ	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n5	15KHZ	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n7	15KHZ	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n12	15KHZ	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n25	15KHZ	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n38	15KHZ	N/A	N/A	N/A	Yes	N/A	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
n41	15KHZ	N/A	N/A	N/A	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
n48	15KHZ	N/A	N/A	N/A	Yes	N/A	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
n66	15KHZ	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n71	15KHZ	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n77	15KHZ	N/A	N/A	N/A	Yes	N/A	Yes	Yes	N/A	Yes	N/A	Yes	N/A	Yes
n78	15KHZ	N/A	N/A	N/A	Yes	N/A	Yes	Yes	N/A	Yes	N/A	Yes	N/A	Yes

2. For 5G NR test procedure was following step similar FCC KDB 941225 D05:

- a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 3GPP 38.101 maximum power reduction for power class 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is ≤ 1.45 W/kg; CP-OFDM testing is not required.
- b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 3, for PI/2 BPSK/16QAM/64QMA/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the PI/2 BPSK/16QAM/64QMA/256QAM and smaller bandwidth output power will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth.
- c. SAR testing start with the largest SCS and largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- d. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
- e. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
- f. PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, PI/2 BPSK/16QAM/64QAM/256QAM SAR testing are not required.
- g. Smaller SCS/bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.

3. MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS 38.101-1 Section 6.2.2 under Table 6.2.2 -1 and Table 6.2.2 -2.

Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
		$\leq 0.5^2$	$\leq 0.5^2$	0 ²
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
CP-OFDM	256 QAM	≤ 4.5		
	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		
NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability <i>powerBoosting-pi2BPSK</i> and if the IE <i>powerBoostPi2BPSK</i> is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.				
NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE <i>powerBoostPi2BPSK</i> is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.				

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

4. For FDD NR Band operation does not have the fixed UL/DL frame structure, but during the transmitting/receiving it can be operated in the slot structure of 100% UL duty cycle, we are proposing the conservative way to evaluate SAR at 100% duty cycle. For the purpose of test NR Band standalone SAR, and also test SAR level at 100% TX duty cycle.

5. For 5G NR Sub6GHz SISO Mode, SAR Test plan as below:

For 5G NR NSA mode with the same UL EN_DC combination but different DL EN_DC combinations, eg: EN-DC configuration: UL DC_7A_n5 (UL two bands) with DL DC_7C_n5 (DL two bands)

a) The UL EN-DC configuration, including the Tx antenna configuration, RF path, the channel bandwidth and other operating parameters are the same.

b) The maximum output power, including tolerance, for the UL EN-DC configuration with DL two or more bands must be $\leq$ the same UL EN-DC configuration with DL two bands only to qualify for the SAR test exclusion.

6. For EN-DC SAR

For EN-DC mode, as the existing SAR test system cannot test the multiple different frequency bands simultaneous Transmission SAR at the same time, we suggest that the conservative “max + max” multi-Tx and SAR scaling method can be used to evaluate the inter-band Uplink EN-DC SAR from standalone SAR test results of each LTE and NR EN-DC component band and the conservative “max + max” multi-Tx method to combine the scaled SAR value from each EN-DC component band as the inter-band Uplink EN-DC SAR. All Simultaneous Transmission Scenarios will be evaluated independently in the final SAR report. When the reported SAR for and EN DC configuration is greater than 1.2 W/kg, EN DC SAR is also required for other NR based test channels. EN DC SAR is also required for standalone NR configurations greater than 1.2 W/kg when scaled to the EN DC power level.

LTE+NR Band operations are possible only with LTE under EN-DC mode and the operations are possible as following table:

Band/Antenna		LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 38	LTE Band 41
		Ant0	Ant0	Ant0	Ant2	Ant2
n77	Ant1	√		√		√
n78	Ant1	√	√		√	√

11 Test Result

11.1 DUT Antenna Locations (Back View)

The DUT Antenna Locations can be referred to Appendix D

Note:

- 1) The distance between the antennas and the sides of the EUT show as below table, when the antenna-to-edge distance is greater than 25mm, such position does not need to be SAR tested.

EUT Sides for SAR Testing							
Mode	Exposure Condition	Front	Back	Back Angle side	Left	Right	Top
Ant 0	Hotspot/Extremity	Yes	Yes	Yes	Yes	Yes	Yes
Ant 1	Hotspot/ Extremity	Yes	Yes	Yes	Yes	Yes	Yes
Ant 2	Hotspot/ Extremity	Yes	Yes	Yes	Yes	Yes	Yes
Ant 5	Hotspot/ Extremity	Yes	Yes	Yes	Yes	Yes	Yes
Ant 6	Hotspot/ Extremity	Yes	Yes	Yes	Yes	Yes	Yes

11.2 Measurement of RF Conducted Power

11.2.1 RF Conducted Power reduction specification

This device uses a single fixed level of power reduction through static table look-up for SAR compliance and it is triggered by a single event or operation

- 1) A fixed level power reduction is applied for some frequency bands when hotspot mode becomes active. When the hotspot is disabled, the power value will be recovered.
- 2) A fixed level power reduction is applied for some frequency bands when simultaneously transmitting with the other antennas in certain simultaneous transmission conditions.
- 3) The proximity sensor is used to indicate when the device is held close to a user's body exposure condition. It utilizes the proximity sensor to reduce the output power in specific wireless and operating modes of main antenna to ensure SAR compliance.

11.2.2 RF Conducted Power Data

The detailed power data can be referred to Appendix E Conducted RF Output Power.

11.3 Measurement of SAR Data

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.
- 3) For WiFi 5G/6E does not support hotspot function.
- 4) For WiFi SAR test, as the highest reported SAR is smaller than 1.2 W/kg , and the tune-up of the other 802.11 modes are not higher than SAR measurement mode, therefore the adjusted SAR is $\leq 1.2\text{ W/kg}$ for other 802.11 modes, SAR test for the other 802.11 modes are not required. For Product specific 10gSAR the highest reported SAR is smaller than 3.0 W/kg , SAR test for the other 802.11 modes are also not required.
- 5) WIFI 6E SAR is measured by using 6-7GHz parameters per IEC/IEEE 62209-1528:2020.
- 6) NFC is different from the working scenario of WWAN/WIFI(Body/Hotspot) and does not participate in the simultaneous transmission.
- 7) According to TCB workshop (Overlapping LTE Bands): SAR in LTE Band 2/4/5/17/38 and n2/n38/n78 is respectively covered by LTE Band 25/66/26/12/41 and n25/n41/n77. Because the frequency range is similar, the maximum tuning limit is the same, and the channel bandwidth and other operating parameters for the smaller band is fully supported by the larger band.
- 8) * The simultaneous transmission is reduced by XdB (the detailed power reduced can be referred to Conducted Power Appendix E), therefore, those SAR of simultaneous transmission mode are scaled based on standalone SAR results.

11.3.1 SAR Result of LTE Band 7

LTE Band 7 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.281	-0.11	17.56	19.00	1.393	0.391	22.6
Back Angle side	20	QPSK 1_0	21100/2535	1:1	0.386	0.16	17.56	19.00	1.393	0.538	22.6
Top side	20	QPSK 1_0	21100/2535	1:1	0.729	0.06	17.56	19.00	1.393	1.015	22.6
Top side	20	QPSK 1_0	20850/2510	1:1	0.685	-0.02	17.47	19.00	1.422	0.974	22.6
Top side	20	QPSK 1_0	21350/2560	1:1	0.674	0.01	17.42	19.00	1.439	0.970	22.6
sensor on Body Test data (Separate 0mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.225	0.06	17.40	19.00	1.445	0.325	22.6
Back Angle side	20	QPSK 50_0	21100/2535	1:1	0.334	-0.02	17.40	19.00	1.445	0.483	22.6
Top side	20	QPSK 50_0	21100/2535	1:1	0.636	0.06	17.40	19.00	1.445	0.919	22.6
Top side	20	QPSK 50_0	20850/2510	1:1	0.621	0.01	17.38	19.00	1.452	0.902	22.6
Top side	20	QPSK 50_0	21350/2560	1:1	0.618	-0.02	17.41	19.00	1.442	0.891	22.6
sensor on Body Test data (Separate 0mm 100%RB)											
Top side	20	QPSK 100_0	21100/2535	1:1	0.685	0.06	17.43	18.00	1.140	0.781	22.6
sensor on Body Evaluate data (Separate 0mm 1RB) For ENDC Simultaneous											
Front side	20	QPSK 1_0	21100/2535	1:1	0.281	-0.11	17.56	18.00	1.107	0.311	22.6
Back Angle side	20	QPSK 1_0	21100/2535	1:1	0.386	0.16	17.56	18.00	1.107	0.427	22.6
Top side	20	QPSK 1_0	21100/2535	1:1	0.729	0.06	17.56	18.00	1.107	0.807	22.6
Top side	20	QPSK 1_0	20850/2510	1:1	0.685	-0.02	17.47	18.00	1.130	0.774	22.6
Top side	20	QPSK 1_0	21350/2560	1:1	0.674	0.01	17.42	18.00	1.143	0.770	22.6
sensor on Body Evaluate data (Separate 0mm 50%RB) For ENDC Simultaneous											
Front side	20	QPSK 50_0	21100/2535	1:1	0.225	0.06	17.40	18.00	1.148	0.258	22.6
Back Angle side	20	QPSK 50_0	21100/2535	1:1	0.334	-0.02	17.40	18.00	1.148	0.383	22.6
Top side	20	QPSK 50_0	21100/2535	1:1	0.636	0.06	17.40	18.00	1.148	0.730	22.6
Top side	20	QPSK 50_0	20850/2510	1:1	0.621	0.01	17.38	18.00	1.153	0.716	22.6
Top side	20	QPSK 50_0	21350/2560	1:1	0.618	-0.02	17.41	18.00	1.146	0.708	22.6
sensor on Body Evaluate data (Separate 0mm 100%RB) For ENDC Simultaneous											
Top side	20	QPSK 100_0	21100/2535	1:1	0.685	0.06	17.43	18.00	1.140	0.781	22.6
sensor off Body Test data (1RB)											
Front side - 13mm	20	QPSK 1_0	21100/2535	1:1	0.229	-0.11	23.46	25.00	1.426	0.327	22.6
Back side - 0mm	20	QPSK 1_0	21100/2535	1:1	0.123	0.11	23.46	25.00	1.426	0.175	22.6
Back Angle side - 13mm	20	QPSK 1_0	21100/2535	1:1	0.522	0.12	23.46	25.00	1.426	0.744	22.6
Left side - 0mm	20	QPSK 1_0	21100/2535	1:1	0.141	0.19	23.46	25.00	1.426	0.201	22.6
Right side - 0mm	20	QPSK 1_0	21100/2535	1:1	0.511	-0.01	23.46	25.00	1.426	0.729	22.6
Top side - 13mm	20	QPSK 1_0	21100/2535	1:1	0.481	0.02	23.46	25.00	1.426	0.686	22.6
sensor off Body Test data (50%RB)											
Front side - 13mm	20	QPSK 50_0	21100/2535	1:1	0.143	-0.08	22.40	24.00	1.445	0.207	22.6
Back side - 0mm	20	QPSK 50_0	21100/2535	1:1	0.076	0.08	22.40	24.00	1.445	0.110	22.6
Back Angle side - 13mm	20	QPSK 50_0	21100/2535	1:1	0.334	-0.11	22.40	24.00	1.445	0.483	22.6
Left side - 0mm	20	QPSK 50_0	21100/2535	1:1	0.095	0.05	22.40	24.00	1.445	0.137	22.6
Right side - 0mm	20	QPSK 50_0	21100/2535	1:1	0.398	-0.16	22.40	24.00	1.445	0.575	22.6
Top side - 13mm	20	QPSK 50_0	21100/2535	1:1	0.327	-0.08	22.40	24.00	1.445	0.473	22.6
sensor off Body Evaluate data (1RB) For ENDC Simultaneous											
Front side - 13mm	20	QPSK 1_0	21100/2535	1:1	0.229	-0.11	23.46	24.00	1.132	0.259	22.6
Back side - 0mm	20	QPSK 1_0	21100/2535	1:1	0.123	0.11	23.46	24.00	1.132	0.139	22.6

Back Angle side - 13mm	20	QPSK 1_0	21100/2535	1:1	0.522	0.12	23.46	24.00	1.132	0.591	22.6
Left side - 0mm	20	QPSK 1_0	21100/2535	1:1	0.141	0.19	23.46	24.00	1.132	0.160	22.6
Right side - 0mm	20	QPSK 1_0	21100/2535	1:1	0.511	-0.01	23.46	24.00	1.132	0.578	22.6
Top side - 13mm	20	QPSK 1_0	21100/2535	1:1	0.481	0.02	23.46	24.00	1.132	0.544	22.6
sensor off Body Evaluate data (50%RB) For ENDC Simultaneous											
Front side - 13mm	20	QPSK 50_0	21100/2535	1:1	0.143	-0.08	22.40	24.00	1.445	0.207	22.6
Back side - 0mm	20	QPSK 50_0	21100/2535	1:1	0.076	0.08	22.40	24.00	1.445	0.110	22.6
Back Angle side - 13mm	20	QPSK 50_0	21100/2535	1:1	0.334	-0.11	22.40	24.00	1.445	0.483	22.6
Left side - 0mm	20	QPSK 50_0	21100/2535	1:1	0.095	0.05	22.40	24.00	1.445	0.137	22.6
Right side - 0mm	20	QPSK 50_0	21100/2535	1:1	0.398	-0.16	22.40	24.00	1.445	0.575	22.6
Top side - 13mm	20	QPSK 50_0	21100/2535	1:1	0.327	-0.08	22.40	24.00	1.445	0.473	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.333	0.06	23.46	25.00	1.426	0.475	22.6
Back side	20	QPSK 1_0	21100/2535	1:1	0.114	0.06	23.46	25.00	1.426	0.163	22.6
Back Angle side	20	QPSK 1_0	21100/2535	1:1	0.477	0.11	23.46	25.00	1.426	0.680	22.6
Left side	20	QPSK 1_0	21100/2535	1:1	0.080	-0.03	23.46	25.00	1.426	0.114	22.6
Right side	20	QPSK 1_0	21100/2535	1:1	0.327	-0.08	23.46	25.00	1.426	0.466	22.6
Top side	20	QPSK 1_0	21100/2535	1:1	0.673	0.06	23.46	25.00	1.426	0.960	22.6
Top side	20	QPSK 1_0	20850/2510	1:1	0.610	0.06	23.34	25.00	1.466	0.894	22.6
Top side	20	QPSK 1_0	21350/2560	1:1	0.605	0.06	23.37	25.00	1.455	0.880	22.6
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.260	0.16	22.40	24.00	1.445	0.376	22.6
Back side	20	QPSK 50_0	21100/2535	1:1	0.083	0.10	22.40	24.00	1.445	0.120	22.6
Back Angle side	20	QPSK 50_0	21100/2535	1:1	0.412	-0.17	22.40	24.00	1.445	0.595	22.6
Left side	20	QPSK 50_0	21100/2535	1:1	0.073	0.13	22.40	24.00	1.445	0.105	22.6
Right side	20	QPSK 50_0	21100/2535	1:1	0.276	0.18	22.40	24.00	1.445	0.399	22.6
Top side	20	QPSK 50_0	21100/2535	1:1	0.435	-0.16	22.40	24.00	1.445	0.629	22.6
Hotspot Test data (Separate 10mm 100%RB)											
Top side	20	QPSK 100_0	21100/2535	1:1	0.422	0.04	22.40	24.00	1.445	0.610	22.6

11.3.2 SAR Result of LTE Band 12

LTE Band 12 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm 1RB)											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.666	0.12	23.20	25.00	1.514	1.008	22.4
Back side	10	QPSK 1_0	23095/707.5	1:1	0.246	0.03	23.20	25.00	1.514	0.372	22.4
Back Angle side	10	QPSK 1_0	23095/707.5	1:1	0.494	0.14	23.20	25.00	1.514	0.748	22.4
Left side	10	QPSK 1_0	23095/707.5	1:1	0.226	0.10	23.20	25.00	1.514	0.342	22.4
Right side	10	QPSK 1_0	23095/707.5	1:1	0.249	0.01	23.20	25.00	1.514	0.377	22.4
Top side	10	QPSK 1_0	23095/707.5	1:1	0.413	0.16	23.20	25.00	1.514	0.625	22.4
Body Test data (Separate 0mm 50%RB)											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.517	-0.17	22.14	24.00	1.535	0.794	22.4
Back side	10	QPSK 25_0	23095/707.5	1:1	0.178	0.08	22.14	24.00	1.535	0.273	22.4
Back Angle side	10	QPSK 25_0	23095/707.5	1:1	0.393	0.13	22.14	24.00	1.535	0.603	22.4
Left side	10	QPSK 25_0	23095/707.5	1:1	0.170	0.03	22.14	24.00	1.535	0.261	22.4
Right side	10	QPSK 25_0	23095/707.5	1:1	0.192	0.07	22.14	24.00	1.535	0.295	22.4
Top side	10	QPSK 25_0	23095/707.5	1:1	0.352	0.09	22.14	24.00	1.535	0.540	22.4
Body Test data (Separate 0mm 100%RB)											
Front side	10	QPSK 50_0	23095/707.5	1:1	0.513	0.07	22.20	24.00	1.514	0.777	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.189	-0.01	23.20	25.00	1.514	0.286	22.4
Back side	10	QPSK 1_0	23095/707.5	1:1	0.134	-0.17	23.20	25.00	1.514	0.203	22.4
Back Angle side	10	QPSK 1_0	23095/707.5	1:1	0.187	-0.15	23.20	25.00	1.514	0.283	22.4
Left side	10	QPSK 1_0	23095/707.5	1:1	0.132	-0.03	23.20	25.00	1.514	0.200	22.4
Right side	10	QPSK 1_0	23095/707.5	1:1	0.125	-0.12	23.20	25.00	1.514	0.189	22.4
Top side	10	QPSK 1_0	23095/707.5	1:1	0.113	0.09	23.20	25.00	1.514	0.171	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.153	0.05	22.14	24.00	1.535	0.235	22.4
Back side	10	QPSK 25_0	23095/707.5	1:1	0.108	-0.17	22.14	24.00	1.535	0.166	22.4
Back Angle side	10	QPSK 25_0	23095/707.5	1:1	0.155	-0.16	22.14	24.00	1.535	0.238	22.4
Left side	10	QPSK 25_0	23095/707.5	1:1	0.103	0.13	22.14	24.00	1.535	0.158	22.4
Right side	10	QPSK 25_0	23095/707.5	1:1	0.097	0.12	22.14	24.00	1.535	0.149	22.4
Top side	10	QPSK 25_0	23095/707.5	1:1	0.079	-0.13	22.14	24.00	1.535	0.121	22.4

11.3.3 SAR Result of LTE Band 13

LTE Band 13 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm 1RB)											
Front side	10	QPSK 1_0	23230/782	1:1	0.789	-0.15	23.32	25.00	1.472	1.161	22.4
Back side	10	QPSK 1_0	23230/782	1:1	0.282	0.07	23.32	25.00	1.472	0.415	22.4
Back Angle side	10	QPSK 1_0	23230/782	1:1	0.492	0.02	23.32	25.00	1.472	0.724	22.4
Left side	10	QPSK 1_0	23230/782	1:1	0.187	0.17	23.32	25.00	1.472	0.275	22.4
Right side	10	QPSK 1_0	23230/782	1:1	0.208	0.03	23.32	25.00	1.472	0.306	22.4
Top side	10	QPSK 1_0	23230/782	1:1	0.542	0.07	23.32	25.00	1.472	0.798	22.4
Body Test data (Separate 0mm 50%RB)											
Front side	10	QPSK 25_0	23230/782	1:1	0.637	0.16	22.34	24.00	1.466	0.934	22.4
Back side	10	QPSK 25_0	23230/782	1:1	0.210	0.02	22.34	24.00	1.466	0.308	22.4
Back Angle side	10	QPSK 25_0	23230/782	1:1	0.404	0.06	22.34	24.00	1.466	0.592	22.4
Left side	10	QPSK 25_0	23230/782	1:1	0.146	0.13	22.34	24.00	1.466	0.214	22.4
Right side	10	QPSK 25_0	23230/782	1:1	0.174	-0.09	22.34	24.00	1.466	0.255	22.4
Top side	10	QPSK 25_0	23230/782	1:1	0.384	0.10	22.34	24.00	1.466	0.563	22.4
Body Test data (Separate 0mm 100%RB)											
Front side	10	QPSK 50_0	23230/782	1:1	0.685	0.07	22.29	24.00	1.483	1.016	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23230/782	1:1	0.192	-0.04	23.32	25.00	1.472	0.283	22.4
Back side	10	QPSK 1_0	23230/782	1:1	0.099	0.10	23.32	25.00	1.472	0.146	22.4
Back Angle side	10	QPSK 1_0	23230/782	1:1	0.190	-0.15	23.32	25.00	1.472	0.280	22.4
Left side	10	QPSK 1_0	23230/782	1:1	0.129	-0.15	23.32	25.00	1.472	0.190	22.4
Right side	10	QPSK 1_0	23230/782	1:1	0.097	0.05	23.32	25.00	1.472	0.143	22.4
Top side	10	QPSK 1_0	23230/782	1:1	0.130	0.18	23.32	25.00	1.472	0.191	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23230/782	1:1	0.151	-0.12	22.34	24.00	1.466	0.221	22.4
Back side	10	QPSK 25_0	23230/782	1:1	0.071	0.11	22.34	24.00	1.466	0.104	22.4
Back Angle side	10	QPSK 25_0	23230/782	1:1	0.141	-0.15	22.34	24.00	1.466	0.207	22.4
Left side	10	QPSK 25_0	23230/782	1:1	0.102	-0.12	22.34	24.00	1.466	0.150	22.4
Right side	10	QPSK 25_0	23230/782	1:1	0.069	-0.13	22.34	24.00	1.466	0.101	22.4
Top side	10	QPSK 25_0	23230/782	1:1	0.099	-0.06	22.34	24.00	1.466	0.145	22.4

11.3.4 SAR Result of LTE Band 14

LTE Band 14 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm 1RB)											
Front side	10	QPSK 1_0	23330/793	1:1	0.701	-0.02	23.37	25.00	1.455	1.020	22.4
Back side	10	QPSK 1_0	23330/793	1:1	0.243	-0.18	23.37	25.00	1.455	0.354	22.4
Back Angle side	10	QPSK 1_0	23330/793	1:1	0.467	0.02	23.37	25.00	1.455	0.679	22.4
Left side	10	QPSK 1_0	23330/793	1:1	0.201	-0.14	23.37	25.00	1.455	0.292	22.4
Right side	10	QPSK 1_0	23330/793	1:1	0.189	0.07	23.37	25.00	1.455	0.275	22.4
Top side	10	QPSK 1_0	23330/793	1:1	0.575	-0.02	23.37	25.00	1.455	0.837	22.4
Body Test data (Separate 0mm 50%RB)											
Front side	10	QPSK 25_0	23330/793	1:1	0.576	-0.15	22.34	24.00	1.466	0.844	22.4
Back side	10	QPSK 25_0	23330/793	1:1	0.201	-0.17	22.34	24.00	1.466	0.295	22.4
Back Angle side	10	QPSK 25_0	23330/793	1:1	0.433	0.05	22.34	24.00	1.466	0.635	22.4
Left side	10	QPSK 25_0	23330/793	1:1	0.167	-0.19	22.34	24.00	1.466	0.245	22.4
Right side	10	QPSK 25_0	23330/793	1:1	0.155	0.01	22.34	24.00	1.466	0.227	22.4
Top side	10	QPSK 25_0	23330/793	1:1	0.490	-0.04	22.34	24.00	1.466	0.718	22.4
Body Test data (Separate 0mm 100%RB)											
Front side	10	QPSK 50_0	23330/793	1:1	0.602	-0.02	22.35	24.00	1.462	0.880	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23330/793	1:1	0.166	0.09	23.37	25.00	1.455	0.242	22.4
Back side	10	QPSK 1_0	23330/793	1:1	0.086	0.11	23.37	25.00	1.455	0.125	22.4
Back Angle side	10	QPSK 1_0	23330/793	1:1	0.158	-0.10	23.37	25.00	1.455	0.230	22.4
Left side	10	QPSK 1_0	23330/793	1:1	0.129	0.02	23.37	25.00	1.455	0.188	22.4
Right side	10	QPSK 1_0	23330/793	1:1	0.074	0.13	23.37	25.00	1.455	0.108	22.4
Top side	10	QPSK 1_0	23330/793	1:1	0.159	-0.05	23.37	25.00	1.455	0.231	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23330/793	1:1	0.139	-0.09	22.34	24.00	1.466	0.204	22.4
Back side	10	QPSK 25_0	23330/793	1:1	0.064	0.10	22.34	24.00	1.466	0.094	22.4
Back Angle side	10	QPSK 25_0	23330/793	1:1	0.129	-0.16	22.34	24.00	1.466	0.189	22.4
Left side	10	QPSK 25_0	23330/793	1:1	0.105	-0.02	22.34	24.00	1.466	0.154	22.4
Right side	10	QPSK 25_0	23330/793	1:1	0.050	0.07	22.34	24.00	1.466	0.073	22.4
Top side	10	QPSK 25_0	23330/793	1:1	0.124	-0.19	22.34	24.00	1.466	0.182	22.4

11.3.5 SAR Result of LTE Band 25

LTE Band 25 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.372	-0.07	16.81	18.50	1.476	0.549	22.7
Back Angle side	20	QPSK 1_0	26365/1882.5	1:1	0.257	0.17	16.81	18.50	1.476	0.379	22.7
Top side	20	QPSK 1_0	26365/1882.5	1:1	0.654	0.04	16.81	18.50	1.476	0.965	22.7
Top side	20	QPSK 1_0	26140/1860	1:1	0.621	0.01	16.70	18.50	1.514	0.940	22.7
Top side	20	QPSK 1_0	26590/1905	1:1	0.625	-0.03	16.62	18.50	1.542	0.964	22.7
sensor on Body Test data (Separate 0mm 50%RB)											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.300	0.01	16.75	18.50	1.496	0.449	22.7
Back Angle side	20	QPSK 50_0	26365/1882.5	1:1	0.209	0.07	16.75	18.50	1.496	0.313	22.7
Top side	20	QPSK 50_0	26365/1882.5	1:1	0.521	-0.09	16.75	18.50	1.496	0.779	22.7
sensor on Body Test data (Separate 0mm 100%RB)											
Top side	20	QPSK 100_0	26365/1882.5	1:1	0.511	0.02	16.66	18.50	1.528	0.781	22.7
sensor off Body Test data (1RB)											
Front side - 13mm	20	QPSK 1_0	26365/1882.5	1:1	0.320	0.07	23.25	25.00	1.496	0.479	22.7
Back side - 0mm	20	QPSK 1_0	26365/1882.5	1:1	0.076	-0.13	23.25	25.00	1.496	0.114	22.7
Back Angle side - 13mm	20	QPSK 1_0	26365/1882.5	1:1	0.285	0.07	23.25	25.00	1.496	0.426	22.7
Left side - 0mm	20	QPSK 1_0	26365/1882.5	1:1	0.000	-0.10	23.25	25.00	1.496	0.000	22.7
Right side - 0mm	20	QPSK 1_0	26365/1882.5	1:1	0.601	-0.06	23.25	25.00	1.496	0.899	22.7
Right side - 0mm	20	QPSK 1_0	26140/1860	1:1	0.623	-0.17	23.14	25.00	1.535	0.956	22.7
Right side - 0mm	20	QPSK 1_0	26590/1905	1:1	0.611	-0.02	23.16	25.00	1.528	0.934	22.7
Top side - 13mm	20	QPSK 1_0	26365/1882.5	1:1	0.522	0.06	23.25	25.00	1.496	0.781	22.7
sensor off Body Test data (50%RB)											
Front side - 13mm	20	QPSK 50_0	26365/1882.5	1:1	0.253	0.19	22.22	24.00	1.507	0.381	22.7
Back side - 0mm	20	QPSK 50_0	26365/1882.5	1:1	0.056	0.11	22.22	24.00	1.507	0.084	22.7
Back Angle side - 13mm	20	QPSK 50_0	26365/1882.5	1:1	0.241	0.12	22.22	24.00	1.507	0.363	22.7
Left side - 0mm	20	QPSK 50_0	26365/1882.5	1:1	0.043	-0.08	22.22	24.00	1.507	0.065	22.7
Right side - 0mm	20	QPSK 50_0	26365/1882.5	1:1	0.511	0.14	22.22	24.00	1.507	0.770	22.7
Top side - 13mm	20	QPSK 50_0	26365/1882.5	1:1	0.468	0.05	22.22	24.00	1.507	0.705	22.7
sensor off Body Test data (100%RB)											
Right side - 0mm	20	QPSK 100_0	26365/1882.5	1:1	0.503	0.15	22.18	24.00	1.521	0.765	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.400	-0.08	23.25	25.00	1.496	0.598	22.9
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.064	-0.17	23.25	25.00	1.496	0.096	22.9
Back Angle side	20	QPSK 1_0	26365/1882.5	1:1	0.396	0.10	23.25	25.00	1.496	0.592	22.9
Left side	20	QPSK 1_0	26365/1882.5	1:1	0.000	-0.01	23.25	25.00	1.496	0.000	22.9
Right side	20	QPSK 1_0	26365/1882.5	1:1	0.298	-0.03	23.25	25.00	1.496	0.446	22.9
Top side	20	QPSK 1_0	26365/1882.5	1:1	0.727	0.09	23.25	25.00	1.496	1.088	22.9
Top side	20	QPSK 1_0	26140/1860	1:1	0.685	0.09	23.14	25.00	1.535	1.051	22.9
Top side	20	QPSK 1_0	26590/1905	1:1	0.659	0.09	23.16	25.00	1.528	1.007	22.9
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.341	-0.18	22.22	24.00	1.507	0.514	22.9
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.053	-0.07	22.22	24.00	1.507	0.080	22.9
Back Angle side	20	QPSK 50_0	26365/1882.5	1:1	0.301	0.14	22.22	24.00	1.507	0.454	22.9
Left side	20	QPSK 50_0	26365/1882.5	1:1	0.000	-0.09	22.22	24.00	1.507	0.000	22.9
Right side	20	QPSK 50_0	26365/1882.5	1:1	0.235	-0.15	22.22	24.00	1.507	0.354	22.9
Top side	20	QPSK 50_0	26365/1882.5	1:1	0.524	-0.19	22.22	24.00	1.507	0.790	22.9
Hotspot Test data (Separate 10mm 100%RB)											
Top side	20	QPSK 100_0	26365/1882.5	1:1	0.519	0.00	22.18	24.00	1.521	0.789	22.9

11.3.6 SAR Result of LTE Band 26

LTE Band 26 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.722	0.12	22.31	24.00	1.476	1.066	22.6
sensor on Body Test data (Separate 0mm 50%RB)											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.605	0.07	22.23	24.00	1.503	0.909	22.6
sensor on Body Test data (Separate 0mm 100%RB)											
Front side	15	QPSK 75_0	26865/831.5	1:1	0.598	0.12	22.22	24.00	1.507	0.901	22.6
sensor off Body Test data (1RB)											
Front side - 13mm	15	QPSK 1_0	26865/831.5	1:1	0.182	0.13	23.32	25.00	1.472	0.268	22.6
Back side - 0mm	15	QPSK 1_0	26865/831.5	1:1	0.262	-0.07	23.32	25.00	1.472	0.386	22.6
Back Angle side - 0mm	15	QPSK 1_0	26865/831.5	1:1	0.490	-0.01	23.32	25.00	1.472	0.721	22.6
Left side - 0mm	15	QPSK 1_0	26865/831.5	1:1	0.211	-0.18	23.32	25.00	1.472	0.311	22.6
Right side - 0mm	15	QPSK 1_0	26865/831.5	1:1	0.271	-0.17	23.32	25.00	1.472	0.399	22.6
Top side - 0mm	15	QPSK 1_0	26865/831.5	1:1	0.540	0.12	23.32	25.00	1.472	0.795	22.6
sensor off Body Test data (50%RB)											
Front side - 13mm	15	QPSK 36_0	26865/831.5	1:1	0.150	0.18	22.24	24.00	1.500	0.225	22.6
Back side - 0mm	15	QPSK 36_0	26865/831.5	1:1	0.200	-0.17	22.24	24.00	1.500	0.300	22.6
Back Angle side - 0mm	15	QPSK 36_0	26865/831.5	1:1	0.380	0.15	22.24	24.00	1.500	0.570	22.6
Left side - 0mm	15	QPSK 36_0	26865/831.5	1:1	0.158	0.00	22.24	24.00	1.500	0.237	22.6
Right side - 0mm	15	QPSK 36_0	26865/831.5	1:1	0.178	0.02	22.24	24.00	1.500	0.267	22.6
Top side - 0mm	15	QPSK 36_0	26865/831.5	1:1	0.428	-0.06	22.24	24.00	1.500	0.642	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.260	0.17	23.32	25.00	1.472	0.383	22.3
Back side	15	QPSK 1_0	26865/831.5	1:1	0.118	-0.01	23.32	25.00	1.472	0.174	22.3
Back Angle side	15	QPSK 1_0	26865/831.5	1:1	0.252	0.05	23.32	25.00	1.472	0.371	22.3
Left side	15	QPSK 1_0	26865/831.5	1:1	0.133	-0.06	23.32	25.00	1.472	0.196	22.3
Right side	15	QPSK 1_0	26865/831.5	1:1	0.102	-0.06	23.32	25.00	1.472	0.150	22.3
Top side	15	QPSK 1_0	26865/831.5	1:1	0.160	0.19	23.32	25.00	1.472	0.236	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.185	0.10	22.24	24.00	1.500	0.278	22.3
Back side	15	QPSK 36_0	26865/831.5	1:1	0.078	0.19	22.24	24.00	1.500	0.117	22.3
Back Angle side	15	QPSK 36_0	26865/831.5	1:1	0.172	-0.14	22.24	24.00	1.500	0.258	22.3
Left side	15	QPSK 36_0	26865/831.5	1:1	0.078	0.12	22.24	24.00	1.500	0.117	22.3
Right side	15	QPSK 36_0	26865/831.5	1:1	0.070	0.18	22.24	24.00	1.500	0.105	22.3
Top side	15	QPSK 36_0	26865/831.5	1:1	0.121	-0.13	22.24	24.00	1.500	0.182	22.3

11.3.7 SAR Result of LTE Band 41

LTE Band 41 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Back Angle side	20	QPSK 1_0	40620/2593	1:1.58	0.392	-0.17	19.59	21.00	1.384	0.543	22.6
Top side	20	QPSK 1_0	40620/2593	1:1.58	0.741	0.02	19.59	21.00	1.384	1.026	22.6
Top side	20	QPSK 1_0	39750/2506	1:1.58	0.720	-0.02	19.53	21.00	1.403	1.010	22.6
Top side	20	QPSK 1_0	40185/2549.5	1:1.58	0.714	0.05	19.58	21.00	1.387	0.990	22.6
Top side	20	QPSK 1_0	41055/2636.5	1:1.58	0.698	0.06	19.58	21.00	1.387	0.968	22.6
Top side	20	QPSK 1_0	41490/2680	1:1.58	0.711	-0.19	19.58	21.00	1.387	0.986	22.6
sensor on Body Test data (Separate 0mm 50%RB)											
Back Angle side	20	QPSK 50_0	40620/2593	1:1.58	0.293	0.06	19.57	21.00	1.390	0.407	22.6
Top side	20	QPSK 50_0	40620/2593	1:1.58	0.646	-0.02	19.57	21.00	1.390	0.898	22.6
Top side	20	QPSK 50_0	39750/2506	1:1.58	0.585	-0.02	19.51	21.00	1.409	0.824	22.6
Top side	20	QPSK 50_0	40185/2549.5	1:1.58	0.602	0.07	19.53	21.00	1.403	0.845	22.6
Top side	20	QPSK 50_0	41055/2636.5	1:1.58	0.596	0.01	19.57	21.00	1.390	0.828	22.6
Top side	20	QPSK 50_0	41490/2680	1:1.58	0.608	-0.16	19.58	21.00	1.387	0.843	22.6
sensor on Body Test data (Separate 0mm 100%RB)											
Top side	20	QPSK 100_0	40620/2593	1:1.58	0.611	0.12	19.55	21.00	1.396	0.853	22.6
Top side	20	QPSK 100_0	39750/2506	1:1.58	0.599	0.06	19.31	21.00	1.476	0.884	22.6
Top side	20	QPSK 100_0	40185/2549.5	1:1.58	0.586	-0.05	19.55	21.00	1.396	0.818	22.6
Top side	20	QPSK 100_0	41055/2636.5	1:1.58	0.600	0.03	19.50	21.00	1.413	0.848	22.6
Top side	20	QPSK 100_0	41490/2680	1:1.58	0.614	-0.18	19.56	21.00	1.393	0.855	22.6
sensor off Body Test data (1RB)											
Front side - 0mm	20	QPSK 1_0	40620/2593	1:1.58	0.423	0.12	23.56	25.00	1.393	0.589	22.6
Back side - 0mm	20	QPSK 1_0	40620/2593	1:1.58	0.054	-0.14	23.56	25.00	1.393	0.075	22.6
Back Angle side - 13mm	20	QPSK 1_0	40620/2593	1:1.58	0.249	0.15	23.56	25.00	1.393	0.347	22.6
Left side - 0mm	20	QPSK 1_0	40620/2593	1:1.58	0.094	0.11	23.56	25.00	1.393	0.131	22.6
Right side - 0mm	20	QPSK 1_0	40620/2593	1:1.58	0.279	0.13	23.56	25.00	1.393	0.389	22.6
Top side - 13mm	20	QPSK 1_0	40620/2593	1:1.58	0.343	0.05	23.56	25.00	1.393	0.478	22.6
sensor off Body Test data (50%RB)											
Front side - 0mm	20	QPSK 50_0	40620/2593	1:1.58	0.380	-0.16	22.57	24.00	1.390	0.528	22.6
Back side - 0mm	20	QPSK 50_0	40620/2593	1:1.58	0.061	-0.13	22.57	24.00	1.390	0.085	22.6
Back Angle side - 13mm	20	QPSK 50_0	40620/2593	1:1.58	0.206	-0.18	22.57	24.00	1.390	0.286	22.6
Left side - 0mm	20	QPSK 50_0	40620/2593	1:1.58	0.059	-0.04	22.57	24.00	1.390	0.082	22.6
Right side - 0mm	20	QPSK 50_0	40620/2593	1:1.58	0.228	0.10	22.57	24.00	1.390	0.317	22.6
Top side - 13mm	20	QPSK 50_0	40620/2593	1:1.58	0.318	-0.12	22.57	24.00	1.390	0.442	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.170	0.15	23.56	25.00	1.393	0.237	22.6
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.081	0.09	23.56	25.00	1.393	0.113	22.6
Back Angle side	20	QPSK 1_0	40620/2593	1:1.58	0.312	-0.18	23.56	25.00	1.393	0.435	22.6
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.062	-0.04	23.56	25.00	1.393	0.086	22.6
Right side	20	QPSK 1_0	40620/2593	1:1.58	0.147	-0.01	23.56	25.00	1.393	0.205	22.6
Top side	20	QPSK 1_0	40620/2593	1:1.58	0.411	0.03	23.56	25.00	1.393	0.573	22.6
Hotspot Test data (Separate 10mm 100%RB)											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.142	0.10	22.57	24.00	1.390	0.197	22.6
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.059	0.10	22.57	24.00	1.390	0.082	22.6
Back Angle side	20	QPSK 50_0	40620/2593	1:1.58	0.260	-0.12	22.57	24.00	1.390	0.361	22.6
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.046	0.11	22.57	24.00	1.390	0.064	22.6
Right side	20	QPSK 50_0	40620/2593	1:1.58	0.116	-0.19	22.57	24.00	1.390	0.161	22.6
Top side	20	QPSK 50_0	40620/2593	1:1.58	0.372	-0.11	22.57	24.00	1.390	0.517	22.6

11.3.8 SAR Result of LTE Band 42

LTE Band 42 SAR Test Record											
Ant 1 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Back Angle side	20	QPSK 1_0	42840/3525	1:1.58	0.247	0.15	18.10	19.50	1.380	0.341	22.6
Right side	20	QPSK 1_0	42840/3525	1:1.58	0.689	0.05	18.10	19.50	1.380	0.951	22.6
Right side	20	QPSK 1_0	42190/3460	1:1.58	0.622	-0.06	18.06	19.50	1.393	0.866	22.6
Right side	20	QPSK 1_0	43490/3590	1:1.58	0.638	0.05	18.07	19.50	1.390	0.887	22.6
sensor on Body Test data (Separate 0mm 50%RB)											
Back Angle side	20	QPSK 50_0	42840/3525	1:1.58	0.222	-0.15	18.02	19.50	1.406	0.312	22.6
Right side	20	QPSK 50_0	42840/3525	1:1.58	0.588	0.01	18.02	19.50	1.406	0.827	22.6
Right side	20	QPSK 50_0	42190/3460	1:1.58	0.547	0.11	18.07	19.50	1.390	0.760	22.6
Right side	20	QPSK 50_0	43490/3590	1:1.58	0.555	-0.01	18.08	19.50	1.387	0.770	22.6
sensor on Body Test data (Separate 0mm 100%RB)											
Right side	20	QPSK 100_0	42840/3525	1:1.58	0.536	0.15	17.96	19.50	1.426	0.764	22.6
Right side	20	QPSK 100_0	42190/3460	1:1.58	0.548	0.11	17.97	19.50	1.422	0.779	22.6
Right side	20	QPSK 100_0	43490/3590	1:1.58	0.522	0.15	18.02	19.50	1.406	0.734	22.6
sensor off Body Test data (1RB)											
Front side - 0mm	20	QPSK 1_0	42840/3525	1:1.58	0.283	0.08	23.54	25.00	1.400	0.396	22.6
Back side - 0mm	20	QPSK 1_0	42840/3525	1:1.58	0.408	0.19	23.54	25.00	1.400	0.571	22.6
Back Angle side - 13mm	20	QPSK 1_0	42840/3525	1:1.58	0.510	0.05	23.54	25.00	1.400	0.714	22.6
Left side - 0mm	20	QPSK 1_0	42840/3525	1:1.58	0.083	-0.12	23.54	25.00	1.400	0.116	22.6
Right side - 13mm	20	QPSK 1_0	42840/3525	1:1.58	0.730	0.14	23.54	25.00	1.400	1.022	22.6
Right side - 13mm	20	QPSK 1_0	42190/3460	1:1.58	0.711	0.14	23.47	25.00	1.422	1.011	22.6
Right side - 13mm	20	QPSK 1_0	43490/3590	1:1.58	0.708	0.14	23.49	25.00	1.416	1.003	22.6
Top side - 0mm	20	QPSK 1_0	42840/3525	1:1.58	0.370	-0.16	23.54	25.00	1.400	0.518	22.6
sensor off Body Test data (50%RB)											
Front side - 0mm	20	QPSK 50_0	42840/3525	1:1.58	0.241	0.17	22.56	24.00	1.393	0.336	22.6
Back side - 0mm	20	QPSK 50_0	42840/3525	1:1.58	0.358	-0.09	22.56	24.00	1.393	0.499	22.6
Back Angle side - 13mm	20	QPSK 50_0	42840/3525	1:1.58	0.404	0.17	22.56	24.00	1.393	0.563	22.6
Left side - 0mm	20	QPSK 50_0	42840/3525	1:1.58	0.560	-0.15	22.56	24.00	1.393	0.780	22.6
Right side - 13mm	20	QPSK 50_0	42840/3525	1:1.58	0.568	-0.14	22.56	24.00	1.393	0.791	22.6
Top side - 0mm	20	QPSK 50_0	42840/3525	1:1.58	0.315	0.15	22.56	24.00	1.393	0.439	22.6
sensor off Body Test data (100%RB)											
Right side - 13mm	20	QPSK 100_0	42840/3525	1:1.58	0.560	0.14	22.50	24.00	1.413	0.791	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	42840/3525	1:1.58	0.066	-0.04	23.54	25.00	1.400	0.092	22.5
Back side	20	QPSK 1_0	42840/3525	1:1.58	0.382	-0.03	23.54	25.00	1.400	0.535	22.5
Back Angle side	20	QPSK 1_0	42840/3525	1:1.58	0.448	-0.12	23.54	25.00	1.400	0.627	22.5
Left side	20	QPSK 1_0	42840/3525	1:1.58	0.000	-0.07	23.54	25.00	1.400	0.000	22.5
Right side	20	QPSK 1_0	42840/3525	1:1.58	0.805	-0.02	23.54	25.00	1.400	1.127	22.5
Right side-Repeat SAR	20	QPSK 1_0	42840/3525	1:1.58	0.801	0.03	23.54	25.00	1.400	1.121	22.5
Right side	20	QPSK 1_0	42190/3460	1:1.58	0.711	0.09	23.47	25.00	1.422	1.011	22.5
Right side	20	QPSK 1_0	43490/3590	1:1.58	0.723	-0.02	23.49	25.00	1.416	1.024	22.5
Top side	20	QPSK 1_0	42590/3500	1:1.58	0.161	0.11	23.54	25.00	1.400	0.225	22.5
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	42840/3525	1:1.58	0.036	0.09	22.56	24.00	1.393	0.050	22.5
Back side	20	QPSK 50_0	42840/3525	1:1.58	0.324	-0.08	22.56	24.00	1.393	0.451	22.5
Back Angle side	20	QPSK 50_0	42840/3525	1:1.58	0.413	0.04	22.56	24.00	1.393	0.575	22.5

Left side	20	QPSK 50_0	42840/3525	1:1.58	0.000	0.02	22.56	24.00	1.393	0.000	22.5
Right side	20	QPSK 50_0	42840/3525	1:1.58	0.561	-0.08	22.56	24.00	1.393	0.781	22.5
Top side	20	QPSK 50_0	42840/3525	1:1.58	0.117	0.19	22.56	24.00	1.393	0.163	22.5
Hotspot Test data (Separate 10mm 100%RB)											
Right side	20	QPSK 100_0	42840/3525	1:1.58	0.555	0.10	22.50	24.00	1.413	0.784	22.5

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right side	42840/3525	0.805	0.801	1.005	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) 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 ($\sim 10\%$ from the 1-g SAR limit).

3) 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 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.

11.3.9 SAR Result of LTE Band 43

LTE Band 43 SAR Test Record											
Ant 1 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Back Angle side	20	QPSK 1_0	44590/3700	1:1.58	0.244	0.02	18.11	19.50	1.377	0.336	22.7
Right side	20	QPSK 1_0	44590/3700	1:1.58	0.702	0.07	18.11	19.50	1.377	0.967	22.7
Right side	20	QPSK 1_0	43690/3610	1:1.58	0.653	-0.13	18.08	19.50	1.387	0.906	22.7
Right side	20	QPSK 1_0	45490/3790	1:1.58	0.641	0.06	18.09	19.50	1.384	0.887	22.7
sensor on Body Test data (Separate 0mm 50%RB)											
Back Angle side	20	QPSK 50_0	44590/3700	1:1.58	0.209	0.17	18.02	19.50	1.406	0.294	22.7
Right side	20	QPSK 50_0	44590/3700	1:1.58	0.596	0.02	18.02	19.50	1.406	0.838	22.7
Right side	20	QPSK 50_0	43690/3610	1:1.58	0.521	0.09	17.99	19.50	1.416	0.738	22.7
Right side	20	QPSK 50_0	45490/3790	1:1.58	0.536	-0.15	18.04	19.50	1.400	0.750	22.7
sensor on Body Test data (Separate 0mm 100%RB)											
Right side	20	QPSK 100_0	44590/3700	1:1.58	0.564	0.07	17.96	19.50	1.426	0.804	22.7
sensor off Body Test data (1RB)											
Front side - 0mm	20	QPSK 1_0	44590/3700	1:1.58	0.299	0.10	23.59	25.00	1.384	0.414	22.7
Back side - 0mm	20	QPSK 1_0	44590/3700	1:1.58	0.332	0.16	23.59	25.00	1.384	0.459	22.7
Back Angle side - 13mm	20	QPSK 1_0	44590/3700	1:1.58	0.496	-0.19	23.59	25.00	1.384	0.686	22.7
Left side - 0mm	20	QPSK 1_0	44590/3700	1:1.58	0.000	-0.17	23.59	25.00	1.384	0.000	22.7
Right side - 13mm	20	QPSK 1_0	44590/3700	1:1.58	0.632	0.06	23.59	25.00	1.384	0.875	22.7
Right side - 13mm	20	QPSK 1_0	43690/3610	1:1.58	0.614	0.13	23.52	25.00	1.406	0.863	22.7
Right side - 13mm	20	QPSK 1_0	45490/3790	1:1.58	0.630	-0.06	23.50	25.00	1.413	0.890	22.7
Top side - 0mm	20	QPSK 1_0	44590/3700	1:1.58	0.342	0.09	23.59	25.00	1.384	0.473	22.7
sensor off Body Test data (50%RB)											
Front side - 0mm	20	QPSK 50_0	44590/3700	1:1.58	0.250	-0.09	22.51	24.00	1.409	0.352	22.7
Back side - 0mm	20	QPSK 50_0	44590/3700	1:1.58	0.296	-0.13	22.51	24.00	1.409	0.417	22.7
Back Angle side - 13mm	20	QPSK 50_0	44590/3700	1:1.58	0.388	0.17	22.51	24.00	1.409	0.547	22.7
Left side - 0mm	20	QPSK 50_0	44590/3700	1:1.58	0.000	0.09	22.51	24.00	1.409	0.000	22.7
Right side - 13mm	20	QPSK 50_0	44590/3700	1:1.58	0.548	-0.19	22.51	24.00	1.409	0.772	22.7
Right side - 13mm	20	QPSK 50_0	43690/3610	1:1.58	0.530	-0.19	22.43	24.00	1.435	0.761	22.7
Right side - 13mm	20	QPSK 50_0	45490/3790	1:1.58	0.517	-0.16	22.53	24.00	1.403	0.725	22.7
Top side - 0mm	20	QPSK 50_0	44590/3700	1:1.58	0.307	0.04	22.51	24.00	1.409	0.433	22.7
sensor off Body Test data (100%RB)											
Right side - 13mm	20	QPSK 100_0	44590/3700	1:1.58	0.541	0.06	22.51	24.00	1.409	0.762	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	44590/3700	1:1.58	0.106	-0.08	23.59	25.00	1.384	0.147	22.3
Back side	20	QPSK 1_0	44590/3700	1:1.58	0.296	0.14	23.59	25.00	1.384	0.410	22.3
Back Angle side	20	QPSK 1_0	44590/3700	1:1.58	0.496	-0.13	23.59	25.00	1.384	0.686	22.3
Left side	20	QPSK 1_0	44590/3700	1:1.58	0.000	-0.17	23.59	25.00	1.384	0.000	22.3
Right side	20	QPSK 1_0	44590/3700	1:1.58	0.839	0.06	23.59	25.00	1.384	1.161	22.3
Right side-Repeat SAR	20	QPSK 1_0	44590/3700	1:1.58	0.800	-0.06	23.59	25.00	1.384	1.107	22.3
Right side	20	QPSK 1_0	43690/3610	1:1.58	0.814	0.18	23.52	25.00	1.406	1.144	22.3
Right side	20	QPSK 1_0	45490/3790	1:1.58	0.809	-0.01	23.50	25.00	1.413	1.143	22.3
Top side	20	QPSK 1_0	44590/3700	1:1.58	0.219	0.12	23.59	25.00	1.384	0.303	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	44590/3700	1:1.58	0.084	0.09	22.51	24.00	1.409	0.118	22.3
Back side	20	QPSK 50_0	44590/3700	1:1.58	0.273	-0.16	22.51	24.00	1.409	0.385	22.3

Back Angle side	20	QPSK 50_0	44590/3700	1:1.58	0.447	0.03	22.51	24.00	1.409	0.630	22.3
Left side	20	QPSK 50_0	44590/3700	1:1.58	0.000	-0.08	22.51	24.00	1.409	0.000	22.3
Right side	20	QPSK 50_0	44590/3700	1:1.58	0.556	0.07	22.51	24.00	1.409	0.783	22.3
Top side	20	QPSK 50_0	44590/3700	1:1.58	0.185	0.16	22.51	24.00	1.409	0.261	22.3
Hotspot Test data (Separate 10mm 100%RB)											
Right side	20	QPSK 50_0	44590/3700	1:1.58	0.542	0.15	22.51	24.00	1.409	0.764	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right side	44590/3700	0.839	0.800	1.049	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) 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).						
3) 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 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

11.3.10 SAR Result of LTE Band 48

LTE Band 48 SAR Test Record											
Ant 1 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Back Angle side	20	QPSK 1_0	55990/3625	1:1.58	0.226	-0.17	18.09	19.50	1.384	0.313	22.7
Right side	20	QPSK 1_0	55990/3625	1:1.58	0.669	0.02	18.09	19.50	1.384	0.926	22.7
Right side	20	QPSK 1_0	55340/3560	1:1.58	0.611	0.01	18.03	19.50	1.403	0.857	22.7
Right side	20	QPSK 1_0	56640/3690	1:1.58	0.603	0.15	18.01	19.50	1.409	0.850	22.7
sensor on Body Test data (Separate 0mm 50%RB)											
Back Angle side	20	QPSK 50_0	55990/3625	1:1.58	0.207	-0.08	18.03	19.50	1.403	0.290	22.7
Right side	20	QPSK 50_0	55990/3625	1:1.58	0.542	-0.15	18.03	19.50	1.403	0.760	22.7
sensor on Body Test data (Separate 0mm 50%RB)											
Right side	20	QPSK 100_0	55990/3625	1:1.58	0.536	0.02	17.96	19.50	1.426	0.764	22.7
sensor off Body Test data (1RB)											
Front side - 0mm	20	QPSK 1_0	55990/3625	1:1.58	0.303	0.09	23.53	25.00	1.403	0.425	22.7
Back side - 0mm	20	QPSK 1_0	55990/3625	1:1.58	0.354	-0.09	23.53	25.00	1.403	0.497	22.7
Back Angle side - 13mm	20	QPSK 1_0	55990/3625	1:1.58	0.437	0.02	23.53	25.00	1.403	0.613	22.7
Left side - 0mm	20	QPSK 1_0	55990/3625	1:1.58	0.000	-0.03	23.53	25.00	1.403	0.000	22.7
Right side - 13mm	20	QPSK 1_0	55990/3625	1:1.58	0.541	-0.18	23.53	25.00	1.403	0.759	22.7
Top side - 0mm	20	QPSK 1_0	55990/3625	1:1.58	0.385	0.03	23.53	25.00	1.403	0.540	22.7
sensor off Body Test data (50%RB)											
Front side - 0mm	20	QPSK 50_0	55990/3625	1:1.58	0.246	0.06	22.56	24.00	1.393	0.343	22.7
Back side - 0mm	20	QPSK 50_0	55990/3625	1:1.58	0.310	0.10	22.56	24.00	1.393	0.432	22.7
Back Angle side - 13mm	20	QPSK 50_0	55990/3625	1:1.58	0.355	-0.03	22.56	24.00	1.393	0.495	22.7
Left side - 0mm	20	QPSK 50_0	55990/3625	1:1.58	0.000	-0.04	22.56	24.00	1.393	0.000	22.7
Right side - 13mm	20	QPSK 50_0	55990/3625	1:1.58	0.498	-0.13	22.56	24.00	1.393	0.694	22.7
Top side - 0mm	20	QPSK 50_0	55990/3625	1:1.58	0.327	0.02	22.56	24.00	1.393	0.456	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	55990/3625	1:1.58	0.000	0.07	23.53	25.00	1.403	0.000	22.3
Back side	20	QPSK 1_0	55990/3625	1:1.58	0.306	-0.13	23.53	25.00	1.403	0.429	22.3
Back Angle side	20	QPSK 1_0	55990/3625	1:1.58	0.433	-0.03	23.53	25.00	1.403	0.607	22.3
Left side	20	QPSK 1_0	55990/3625	1:1.58	0.000	0.02	23.53	25.00	1.403	0.000	22.3
Right side	20	QPSK 1_0	55990/3625	1:1.58	0.741	0.02	23.53	25.00	1.403	1.040	22.3
Top side	20	QPSK 1_0	55990/3625	1:1.58	0.185	0.12	23.53	25.00	1.403	0.260	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	55990/3625	1:1.58	0.000	-0.19	22.56	24.00	1.393	0.000	22.3
Back side	20	QPSK 50_0	55990/3625	1:1.58	0.285	-0.06	22.56	24.00	1.393	0.397	22.3
Back Angle side	20	QPSK 50_0	55990/3625	1:1.58	0.413	0.17	22.56	24.00	1.393	0.575	22.3
Left side	20	QPSK 50_0	55990/3625	1:1.58	0.000	-0.16	22.56	24.00	1.393	0.000	22.3
Right side	20	QPSK 50_0	55990/3625	1:1.58	0.536	0.16	22.56	24.00	1.393	0.747	22.3
Top side	20	QPSK 50_0	55990/3625	1:1.58	0.152	-0.04	22.56	24.00	1.393	0.212	22.3

11.3.11 SAR Result of LTE Band 66

LTE Band 66 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.550	-0.17	20.23	21.50	1.340	0.737	22.2
Back Angle side	20	QPSK 1_0	132322/1745	1:1	0.361	0.02	20.23	21.50	1.340	0.484	22.2
Top side	20	QPSK 1_0	132322/1745	1:1	0.763	0.07	20.23	21.50	1.340	1.022	22.2
Top side	20	QPSK 1_0	132072/1720	1:1	0.740	0.17	20.10	21.50	1.380	1.021	22.2
Top side	20	QPSK 1_0	132572/1770	1:1	0.736	-0.10	20.08	21.50	1.387	1.021	22.2
sensor on Body Test data (Separate 0mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.468	-0.09	20.19	21.50	1.352	0.633	22.2
Back Angle side	20	QPSK 50_0	132322/1745	1:1	0.315	0.15	20.19	21.50	1.352	0.426	22.2
Top side	20	QPSK 50_0	132322/1745	1:1	0.665	-0.18	20.19	21.50	1.352	0.899	22.2
Top side	20	QPSK 50_0	132072/1720	1:1	0.631	-0.18	20.21	21.50	1.346	0.849	22.2
Top side	20	QPSK 50_0	132572/1770	1:1	0.625	-0.04	20.15	21.50	1.365	0.853	22.2
sensor on Body Test data (Separate 0mm 100%RB)											
Top side	20	QPSK 100_0	132322/1745	1:1	0.620	0.05	20.14	21.50	1.368	0.848	22.2
Top side	20	QPSK 100_0	132322/1745	1:1	0.633	-0.10	20.10	21.50	1.380	0.874	22.2
Top side	20	QPSK 100_0	132322/1745	1:1	0.617	-0.15	20.09	21.50	1.384	0.854	22.2
sensor off Body Test data (1RB)											
Front side - 13mm	20	QPSK 1_0	132322/1745	1:1	0.213	-0.10	23.61	25.00	1.377	0.293	22.2
Back side - 0mm	20	QPSK 1_0	132322/1745	1:1	0.056	0.13	23.61	25.00	1.377	0.077	22.2
Back Angle side - 13mm	20	QPSK 1_0	132322/1745	1:1	0.226	-0.09	23.61	25.00	1.377	0.311	22.2
Left side - 0mm	20	QPSK 1_0	132322/1745	1:1	0.125	0.15	23.61	25.00	1.377	0.172	22.2
Right side - 0mm	20	QPSK 1_0	132322/1745	1:1	0.673	-0.15	23.61	25.00	1.377	0.927	22.2
Right side - 0mm	20	QPSK 1_0	132072/1720	1:1	0.645	0.12	23.58	25.00	1.387	0.895	22.2
Right side - 0mm	20	QPSK 1_0	132572/1770	1:1	0.639	0.04	23.59	25.00	1.384	0.884	22.2
Top side - 13mm	20	QPSK 1_0	132322/1745	1:1	0.350	0.08	23.61	25.00	1.377	0.482	22.2
sensor off Body Test data (50%RB)											
Front side - 13mm	20	QPSK 50_0	132322/1745	1:1	0.181	-0.07	22.69	24.00	1.352	0.245	22.2
Back side - 0mm	20	QPSK 50_0	132322/1745	1:1	0.063	-0.03	22.69	24.00	1.352	0.085	22.2
Back Angle side - 13mm	20	QPSK 50_0	132322/1745	1:1	0.190	-0.11	22.69	24.00	1.352	0.257	22.2
Left side - 0mm	20	QPSK 50_0	132322/1745	1:1	0.094	-0.10	22.69	24.00	1.352	0.127	22.2
Right side - 0mm	20	QPSK 50_0	132322/1745	1:1	0.558	-0.13	22.69	24.00	1.352	0.754	22.2
Top side - 13mm	20	QPSK 50_0	132322/1745	1:1	0.277	-0.10	22.69	24.00	1.352	0.375	22.2
sensor off Body Test data (100%RB)											
Right side - 0mm	20	QPSK 100_0	132322/1745	1:1	0.542	0.04	22.63	24.00	1.371	0.743	22.2
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.385	0.07	23.61	25.00	1.377	0.530	22.7
Back side	20	QPSK 1_0	132322/1745	1:1	0.073	-0.19	23.61	25.00	1.377	0.101	22.7
Back Angle side	20	QPSK 1_0	132322/1745	1:1	0.364	0.05	23.61	25.00	1.377	0.501	22.7
Left side	20	QPSK 1_0	132322/1745	1:1	0.081	0.07	23.61	25.00	1.377	0.112	22.7
Right side	20	QPSK 1_0	132322/1745	1:1	0.312	-0.15	23.61	25.00	1.377	0.430	22.7
Top side	20	QPSK 1_0	132322/1745	1:1	0.467	-0.15	23.61	25.00	1.377	0.643	22.7
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.322	-0.11	22.69	24.00	1.352	0.435	22.7
Back side	20	QPSK 50_0	132322/1745	1:1	0.059	-0.11	22.69	24.00	1.352	0.080	22.7
Back Angle side	20	QPSK 50_0	132322/1745	1:1	0.244	-0.05	22.69	24.00	1.352	0.330	22.7
Left side	20	QPSK 50_0	132322/1745	1:1	0.059	-0.03	22.69	24.00	1.352	0.080	22.7
Right side	20	QPSK 50_0	132322/1745	1:1	0.246	0.09	22.69	24.00	1.352	0.333	22.7
Top side	20	QPSK 50_0	132322/1745	1:1	0.345	-0.02	22.69	24.00	1.352	0.466	22.7

11.3.12 SAR Result of LTE Band 71

LTE Band 71 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.638	0.10	23.30	25.00	1.479	0.944	22.4
Back side	20	QPSK 1_0	133322/683	1:1	0.215	0.18	23.30	25.00	1.479	0.318	22.4
Back Angle side	20	QPSK 1_0	133322/683	1:1	0.388	-0.01	23.30	25.00	1.479	0.574	22.4
Left side	20	QPSK 1_0	133322/683	1:1	0.145	-0.05	23.30	25.00	1.479	0.214	22.4
Right side	20	QPSK 1_0	133322/683	1:1	0.237	0.16	23.30	25.00	1.479	0.351	22.4
Top side	20	QPSK 1_0	133322/683	1:1	0.447	0.00	23.30	25.00	1.479	0.661	22.4
Body Test data (Separate 0mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.496	0.11	22.36	24.00	1.459	0.724	22.4
Back side	20	QPSK 50_0	133322/683	1:1	0.168	0.01	22.36	24.00	1.459	0.245	22.4
Back Angle side	20	QPSK 50_0	133322/683	1:1	0.321	-0.10	22.36	24.00	1.459	0.468	22.4
Left side	20	QPSK 50_0	133322/683	1:1	0.100	0.12	22.36	24.00	1.459	0.146	22.4
Right side	20	QPSK 50_0	133322/683	1:1	0.196	-0.17	22.36	24.00	1.459	0.286	22.4
Top side	20	QPSK 50_0	133322/683	1:1	0.374	0.10	22.36	24.00	1.459	0.546	22.4
Body Test data (Separate 0mm 100%RB)											
Front side	20	QPSK 100_0	133322/683	1:1	0.611	0.01	22.33	24.00	1.469	0.898	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.175	0.08	23.30	25.00	1.479	0.259	22.4
Back side	20	QPSK 1_0	133322/683	1:1	0.099	-0.04	23.30	25.00	1.479	0.146	22.4
Back Angle side	20	QPSK 1_0	133322/683	1:1	0.168	0.13	23.30	25.00	1.479	0.248	22.4
Left side	20	QPSK 1_0	133322/683	1:1	0.072	-0.08	23.30	25.00	1.479	0.106	22.4
Right side	20	QPSK 1_0	133322/683	1:1	0.116	0.17	23.30	25.00	1.479	0.172	22.4
Top side	20	QPSK 1_0	133322/683	1:1	0.097	-0.04	23.30	25.00	1.479	0.143	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.142	-0.11	22.36	24.00	1.459	0.207	22.4
Back side	20	QPSK 50_0	133322/683	1:1	0.074	0.19	22.36	24.00	1.459	0.108	22.4
Back Angle side	20	QPSK 50_0	133322/683	1:1	0.147	-0.13	22.36	24.00	1.459	0.214	22.4
Left side	20	QPSK 50_0	133322/683	1:1	0.061	-0.01	22.36	24.00	1.459	0.089	22.4
Right side	20	QPSK 50_0	133322/683	1:1	0.085	0.02	22.36	24.00	1.459	0.124	22.4
Top side	20	QPSK 50_0	133322/683	1:1	0.062	-0.19	22.36	24.00	1.459	0.090	22.4

11.3.13 SAR Result of NR Band n5

SA N5 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Front side	20	QPSK 1_1	167300/836.5	100%	0.845	-0.02	22.51	24.00	1.409	1.191	22.6
Front side-Repeat SAR	20	QPSK 1_1	167300/836.5	100%	0.830	0.04	22.51	24.00	1.409	1.169	22.6
sensor on Body Test data (Separate 0mm 50%RB)											
Front side	20	QPSK 50_28	167300/836.5	100%	0.811	0.00	22.35	24.00	1.462	1.186	22.6
sensor on Body Test data (Separate 0mm 100%RB)											
Front side	20	QPSK 100_0	167300/836.5	100%	0.796	-0.03	21.34	23.00	1.466	1.167	22.6
sensor off Body Test data (1RB)											
Front side - 13mm	20	QPSK 1_1	167300/836.5	100%	0.201	-0.02	23.53	25.00	1.403	0.282	22.6
Back side - 0mm	20	QPSK 1_1	167300/836.5	100%	0.258	-0.10	23.53	25.00	1.403	0.362	22.6
Back Angle side - 0mm	20	QPSK 1_1	167300/836.5	100%	0.529	0.19	23.53	25.00	1.403	0.742	22.6
Left side - 0mm	20	QPSK 1_1	167300/836.5	100%	0.258	0.10	23.53	25.00	1.403	0.362	22.6
Right side - 0mm	20	QPSK 1_1	167300/836.5	100%	0.311	-0.15	23.53	25.00	1.403	0.436	22.6
Top side - 0mm	20	QPSK 1_1	167300/836.5	100%	0.530	0.08	23.53	25.00	1.403	0.744	22.6
sensor off Body Test data (50%RB)											
Front side - 13mm	20	QPSK 50_28	167300/836.5	100%	0.196	0.17	23.38	25.00	1.452	0.285	22.6
Back side - 0mm	20	QPSK 50_28	167300/836.5	100%	0.258	-0.02	23.38	25.00	1.452	0.375	22.6
Back Angle side - 0mm	20	QPSK 50_28	167300/836.5	100%	0.529	0.01	23.38	25.00	1.452	0.768	22.6
Left side - 0mm	20	QPSK 50_28	167300/836.5	100%	0.317	0.01	23.38	25.00	1.452	0.460	22.6
Right side - 0mm	20	QPSK 50_28	167300/836.5	100%	0.326	0.02	23.38	25.00	1.452	0.473	22.6
Top side - 0mm	20	QPSK 50_28	167300/836.5	100%	0.530	0.10	23.38	25.00	1.452	0.770	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	167300/836.5	100%	0.243	-0.04	23.53	25.00	1.403	0.341	22.3
Back side	20	QPSK 1_1	167300/836.5	100%	0.107	-0.03	23.53	25.00	1.403	0.150	22.3
Back Angle side	20	QPSK 1_1	167300/836.5	100%	0.239	0.02	23.53	25.00	1.403	0.335	22.3
Left side	20	QPSK 1_1	167300/836.5	100%	0.117	0.12	23.53	25.00	1.403	0.164	22.3
Right side	20	QPSK 1_1	167300/836.5	100%	0.098	-0.10	23.53	25.00	1.403	0.137	22.3
Top side	20	QPSK 1_1	167300/836.5	100%	0.145	-0.12	23.53	25.00	1.403	0.203	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	167300/836.5	100%	0.246	0.12	23.38	25.00	1.452	0.357	22.3
Back side	20	QPSK 50_28	167300/836.5	100%	0.105	-0.10	23.38	25.00	1.452	0.152	22.3
Back Angle side	20	QPSK 50_28	167300/836.5	100%	0.227	0.03	23.38	25.00	1.452	0.330	22.3
Left side	20	QPSK 50_28	167300/836.5	100%	0.141	0.19	23.38	25.00	1.452	0.205	22.3
Right side	20	QPSK 50_28	167300/836.5	100%	0.114	0.00	23.38	25.00	1.452	0.166	22.3
Top side	20	QPSK 50_28	167300/836.5	100%	0.126	-0.04	23.38	25.00	1.452	0.183	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Front side	167300/836.5	0.845	0.830	1.018	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) 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 ($\sim 10\%$ from the 1-g SAR limit).						
3) 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 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

11.3.14 SAR Result of NR Band n7

SA N7 SAR Test Record											
Ant0 Test Record											
Test position	BW	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Front side	20	QPSK 1_1	507000/2535	100%	0.287	-0.08	16.94	18.50	1.432	0.411	22.6
Back Angle side	20	QPSK 1_1	507000/2535	100%	0.441	-0.05	16.94	18.50	1.432	0.632	22.6
Top side	20	QPSK 1_1	507000/2535	100%	0.793	0.03	16.94	18.50	1.432	1.136	22.6
Top side	20	QPSK 1_1	502000/2510	100%	0.745	0.01	16.90	18.50	1.445	1.077	22.6
Top side	20	QPSK 1_1	512000/2560	100%	0.736	0.07	16.86	18.50	1.459	1.074	22.6
sensor on Body Test data (Separate 0mm 50%RB)											
Front side	20	QPSK 50_28	507000/2535	100%	0.284	0.00	16.90	18.50	1.445	0.410	22.6
Back Angle side	20	QPSK 50_28	507000/2535	100%	0.042	-0.12	16.90	18.50	1.445	0.061	22.6
Top side	20	QPSK 50_28	507000/2535	100%	0.770	0.18	16.90	18.50	1.445	1.113	22.6
Top side	20	QPSK 50_28	502000/2510	100%	0.741	-0.05	16.89	18.50	1.449	1.074	22.6
Top side	20	QPSK 50_28	512000/2560	100%	0.726	-0.03	16.77	18.50	1.489	1.081	22.6
sensor on Body Test data (Separate 0mm 100%RB)											
Top side	20	QPSK 100_0	507000/2535	100%	0.715	0.03	15.88	17.50	1.452	1.038	22.6
Top side	20	QPSK 100_0	502000/2510	100%	0.700	0.09	15.82	17.50	1.472	1.030	22.6
Top side	20	QPSK 100_0	512000/2560	100%	0.693	0.04	15.77	17.50	1.489	1.032	22.6
sensor off Body Test data (1RB)											
Front side - 13mm	20	QPSK 1_1	507000/2535	100%	0.268	-0.02	23.44	25.00	1.432	0.384	22.6
Back side - 0mm	20	QPSK 1_1	507000/2535	100%	0.142	0.07	23.44	25.00	1.432	0.203	22.6
Back Angle side - 13mm	20	QPSK 1_1	507000/2535	100%	0.424	0.09	23.44	25.00	1.432	0.607	22.6
Left side - 0mm	20	QPSK 1_1	507000/2535	100%	0.111	0.04	23.44	25.00	1.432	0.159	22.6
Right side - 0mm	20	QPSK 1_1	507000/2535	100%	0.544	0.09	23.44	25.00	1.432	0.779	22.6
Top side - 13mm	20	QPSK 1_1	507000/2535	100%	0.553	0.18	23.44	25.00	1.432	0.792	22.6
sensor off Body Test data (50%RB)											
Front side - 13mm	20	QPSK 50_28	507000/2535	100%	0.235	-0.11	23.42	25.00	1.439	0.338	22.6
Back side - 0mm	20	QPSK 50_28	507000/2535	100%	0.136	-0.19	23.42	25.00	1.439	0.196	22.6
Back Angle side - 13mm	20	QPSK 50_28	507000/2535	100%	0.413	0.14	23.42	25.00	1.439	0.594	22.6
Left side - 0mm	20	QPSK 50_28	507000/2535	100%	0.102	-0.05	23.42	25.00	1.439	0.147	22.6
Right side - 0mm	20	QPSK 50_28	507000/2535	100%	0.506	-0.11	23.42	25.00	1.439	0.728	22.6
Top side - 13mm	20	QPSK 50_28	507000/2535	100%	0.521	-0.16	23.42	25.00	1.439	0.750	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	507000/2535	100%	0.271	-0.16	23.44	25.00	1.432	0.388	22.6
Back side	20	QPSK 1_1	507000/2535	100%	0.105	0.07	23.44	25.00	1.432	0.150	22.6
Back Angle side	20	QPSK 1_1	507000/2535	100%	0.487	-0.08	23.44	25.00	1.432	0.697	22.6
Left side	20	QPSK 1_1	507000/2535	100%	0.071	-0.19	23.44	25.00	1.432	0.102	22.6
Right side	20	QPSK 1_1	507000/2535	100%	0.260	-0.03	23.44	25.00	1.432	0.372	22.6
Top side	20	QPSK 1_1	507000/2535	100%	0.749	0.04	23.44	25.00	1.432	1.073	22.6
Top side	20	QPSK 1_1	502000/2510	100%	0.701	0.01	23.30	25.00	1.479	1.037	22.6
Top side	20	QPSK 1_1	512000/2560	100%	0.722	-0.06	23.32	25.00	1.472	1.063	22.6
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	507000/2535	100%	0.269	0.07	23.42	25.00	1.439	0.387	22.6
Back side	20	QPSK 50_28	507000/2535	100%	0.096	-0.07	23.42	25.00	1.439	0.138	22.6
Back Angle side	20	QPSK 50_28	507000/2535	100%	0.458	0.15	23.42	25.00	1.439	0.659	22.6
Left side	20	QPSK 50_28	507000/2535	100%	0.068	0.12	23.42	25.00	1.439	0.098	22.6
Right side	20	QPSK 50_28	507000/2535	100%	0.247	-0.07	23.42	25.00	1.439	0.355	22.6



Top side	20	QPSK 50_28	507000/2535	100%	0.642	-0.18	23.42	25.00	1.439	0.924	22.6
Top side	20	QPSK 50_28	502000/2510	100%	0.614	0.06	23.36	25.00	1.459	0.896	22.6
Top side	20	QPSK 50_28	512000/2560	100%	0.623	0.07	23.39	25.00	1.449	0.903	22.6
Hotspot Test data (Separate 10mm 100%RB)											
Top side	20	QPSK 100_0	507000/2535	100%	0.611	-0.13	22.41	24.00	1.442	0.881	22.6
Top side	20	QPSK 100_0	502000/2510	100%	0.598	0.04	22.34	24.00	1.466	0.877	22.6
Top side	20	QPSK 100_0	512000/2560	100%	0.574	0.08	22.30	24.00	1.479	0.849	22.6

11.3.15 SAR Result of NR Band n12

SA N12 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm 1RB)											
Front side	15	QPSK 1_1	141500/707.5	100%	0.692	0.04	23.22	25.00	1.507	1.043	22.4
Back side	15	QPSK 1_1	141500/707.5	100%	0.186	0.03	23.22	25.00	1.507	0.280	22.4
Back Angle side	15	QPSK 1_1	141500/707.5	100%	0.492	-0.11	23.22	25.00	1.507	0.741	22.4
Left side	15	QPSK 1_1	141500/707.5	100%	0.188	0.16	23.22	25.00	1.507	0.283	22.4
Right side	15	QPSK 1_1	141500/707.5	100%	0.203	0.03	23.22	25.00	1.507	0.306	22.4
Top side	15	QPSK 1_1	141500/707.5	100%	0.369	-0.04	23.22	25.00	1.507	0.556	22.4
Body Test data (Separate 0mm 50%RB)											
Front side	15	QPSK 36_22	141500/707.5	100%	0.642	-0.01	23.21	25.00	1.510	0.969	22.4
Back side	15	QPSK 36_22	141500/707.5	100%	0.178	-0.18	23.21	25.00	1.510	0.269	22.4
Back Angle side	15	QPSK 36_22	141500/707.5	100%	0.478	0.18	23.21	25.00	1.510	0.722	22.4
Left side	15	QPSK 36_22	141500/707.5	100%	0.174	-0.19	23.21	25.00	1.510	0.263	22.4
Right side	15	QPSK 36_22	141500/707.5	100%	0.196	-0.11	23.21	25.00	1.510	0.296	22.4
Top side	15	QPSK 36_22	141500/707.5	100%	0.384	-0.16	23.21	25.00	1.510	0.580	22.4
Body Test data (Separate 0mm 100%RB)											
Front side	15	QPSK 75_0	141500/707.5	100%	0.595	-0.09	22.20	24.00	1.514	0.901	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	15	QPSK 1_1	141500/707.5	100%	0.179	0.07	23.22	25.00	1.507	0.270	22.4
Back side	15	QPSK 1_1	141500/707.5	100%	0.090	0.03	23.22	25.00	1.507	0.136	22.4
Back Angle side	15	QPSK 1_1	141500/707.5	100%	0.136	-0.09	23.22	25.00	1.507	0.205	22.4
Left side	15	QPSK 1_1	141500/707.5	100%	0.107	-0.17	23.22	25.00	1.507	0.161	22.4
Right side	15	QPSK 1_1	141500/707.5	100%	0.103	0.02	23.22	25.00	1.507	0.155	22.4
Top side	15	QPSK 1_1	141500/707.5	100%	0.082	-0.16	23.22	25.00	1.507	0.124	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36_22	141500/707.5	100%	0.154	0.04	23.21	25.00	1.510	0.233	22.4
Back side	15	QPSK 36_22	141500/707.5	100%	0.080	0.04	23.21	25.00	1.510	0.121	22.4
Back Angle side	15	QPSK 36_22	141500/707.5	100%	0.151	-0.19	23.21	25.00	1.510	0.228	22.4
Left side	15	QPSK 36_22	141500/707.5	100%	0.101	0.06	23.21	25.00	1.510	0.153	22.4
Right side	15	QPSK 36_22	141500/707.5	100%	0.092	-0.14	23.21	25.00	1.510	0.139	22.4
Top side	15	QPSK 36_22	141500/707.5	100%	0.071	0.07	23.21	25.00	1.510	0.107	22.4

11.3.16 SAR Result of NR Band n25

SA N25 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Front side	30	QPSK 1_1	376500/1882.5	100%	0.481	0.15	16.80	18.50	1.479	0.711	22.7
Back Angle side	30	QPSK 1_1	376500/1882.5	100%	0.620	-0.02	16.80	18.50	1.479	0.917	22.7
Top side	30	QPSK 1_1	376500/1882.5	100%	0.786	0.01	16.80	18.50	1.479	1.162	22.7
sensor on Body Test data (Separate 0mm 50%RB)											
Front side	30	QPSK 75_36	376500/1882.5	100%	0.474	-0.05	16.76	18.50	1.493	0.708	22.7
Back Angle side	30	QPSK 75_36	376500/1882.5	100%	0.318	-0.06	16.76	18.50	1.493	0.475	22.7
Top side	30	QPSK 75_36	376500/1882.5	100%	0.741	-0.12	16.76	18.50	1.493	1.106	22.7
sensor on Body Test data (Separate 0mm 100%RB)											
Top side	30	QPSK 150_0	376500/1882.5	100%	0.720	-0.11	15.79	17.50	1.483	1.068	22.7
sensor off Body Test data (1RB)											
Front side - 13mm	30	QPSK 1_1	376500/1882.5	100%	0.346	-0.02	23.29	25.00	1.483	0.513	22.7
Back side - 0mm	30	QPSK 1_1	376500/1882.5	100%	0.078	0.01	23.29	25.00	1.483	0.116	22.7
Back Angle side - 13mm	30	QPSK 1_1	376500/1882.5	100%	0.356	0.12	23.29	25.00	1.483	0.528	22.7
Left side - 0mm	30	QPSK 1_1	376500/1882.5	100%	0.045	0.03	23.29	25.00	1.483	0.067	22.7
Right side - 0mm	30	QPSK 1_1	376500/1882.5	100%	0.668	-0.06	23.29	25.00	1.483	0.991	22.7
Top side - 13mm	30	QPSK 1_1	376500/1882.5	100%	0.536	0.01	23.29	25.00	1.483	0.795	22.7
sensor off Body Test data (50%RB)											
Front side - 13mm	30	QPSK 75_36	376500/1882.5	100%	0.283	0.14	23.26	25.00	1.493	0.423	22.7
Back side - 0mm	30	QPSK 75_36	376500/1882.5	100%	0.065	-0.06	23.26	25.00	1.493	0.097	22.7
Back Angle side - 13mm	30	QPSK 75_36	376500/1882.5	100%	0.304	-0.11	23.26	25.00	1.493	0.454	22.7
Left side - 0mm	30	QPSK 75_36	376500/1882.5	100%	0.000	0.06	23.26	25.00	1.493	0.000	22.7
Right side - 0mm	30	QPSK 75_36	376500/1882.5	100%	0.621	0.09	23.26	25.00	1.493	0.927	22.7
Top side - 13mm	30	QPSK 75_36	376500/1882.5	100%	0.529	-0.11	23.26	25.00	1.493	0.790	22.7
sensor off Body Test data (100%RB)											
Right side - 0mm	30	QPSK 150_0	376500/1882.5	100%	0.621	-0.05	22.25	24.00	1.496	0.929	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	30	QPSK 1_1	376500/1882.5	100%	0.348	0.18	22.78	24.50	1.486	0.517	22.9
Back side	30	QPSK 1_1	376500/1882.5	100%	0.050	0.02	22.78	24.50	1.486	0.074	22.9
Back Angle side	30	QPSK 1_1	376500/1882.5	100%	0.333	0.07	22.78	24.50	1.486	0.495	22.9
Left side	30	QPSK 1_1	376500/1882.5	100%	0.000	-0.10	22.78	24.50	1.486	0.000	22.9
Right side	30	QPSK 1_1	376500/1882.5	100%	0.307	0.08	22.78	24.50	1.486	0.456	22.9
Top side	30	QPSK 1_1	376500/1882.5	100%	0.705	0.03	22.78	24.50	1.486	1.048	22.9
Hotspot Test data (Separate 10mm 50%RB)											
Front side	30	QPSK 75_36	376500/1882.5	100%	0.336	0.18	22.77	24.50	1.489	0.500	22.9
Back side	30	QPSK 75_36	376500/1882.5	100%	0.000	-0.11	22.77	24.50	1.489	0.000	22.9
Back Angle side	30	QPSK 75_36	376500/1882.5	100%	0.332	0.17	22.77	24.50	1.489	0.494	22.9
Left side	30	QPSK 75_36	376500/1882.5	100%	0.000	-0.03	22.77	24.50	1.489	0.000	22.9
Right side	30	QPSK 75_36	376500/1882.5	100%	0.285	-0.03	22.77	24.50	1.489	0.424	22.9
Top side	30	QPSK 75_36	376500/1882.5	100%	0.662	-0.13	22.77	24.50	1.489	0.986	22.9
Hotspot Test data (Separate 10mm 100%RB)											
Top side	30	QPSK 150_0	376500/1882.5	100%	0.625	0.00	21.79	23.50	1.483	0.927	22.9
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)

Body Test data (Separate 0mm 1RB)											
Front side	30	QPSK 1_1	376500/1882.5	100%	0.250	0.02	23.34	25.00	1.466	0.367	22.7
Back side	30	QPSK 1_1	376500/1882.5	100%	0.195	-0.17	23.34	25.00	1.466	0.286	22.7
Back Angle side	30	QPSK 1_1	376500/1882.5	100%	0.192	-0.13	23.34	25.00	1.466	0.281	22.7
Left side	30	QPSK 1_1	376500/1882.5	100%	0.062	-0.15	23.34	25.00	1.466	0.091	22.7
Right side	30	QPSK 1_1	372000/1860	100%	0.715	-0.17	23.34	25.00	1.466	1.048	22.7
Top side	30	QPSK 1_1	376500/1882.5	100%	0.189	-0.11	23.34	25.00	1.466	0.277	22.7
Body Test data (Separate 0mm 50%RB)											
Front side	30	QPSK 75_36	376500/1882.5	100%	0.247	-0.01	23.29	25.00	1.483	0.366	22.7
Back side	30	QPSK 75_36	376500/1882.5	100%	0.187	-0.04	23.29	25.00	1.483	0.277	22.7
Back Angle side	30	QPSK 75_36	376500/1882.5	100%	0.185	0.01	23.29	25.00	1.483	0.274	22.7
Left side	30	QPSK 75_36	376500/1882.5	100%	0.058	0.00	23.29	25.00	1.483	0.086	22.7
Right side	30	QPSK 75_36	376500/1882.5	100%	0.688	-0.16	23.29	25.00	1.483	1.020	22.7
Top side	30	QPSK 75_36	376500/1882.5	100%	0.175	-0.08	23.29	25.00	1.483	0.260	22.7
Body Test data (Separate 0mm 100%RB)											
Right side	30	QPSK 150_0	376500/1882.5	100%	0.674	0.19	22.27	24.00	1.489	1.004	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	30	QPSK 1_1	376500/1882.5	100%	0.094	0.17	23.34	25.00	1.466	0.138	22.9
Back side	30	QPSK 1_1	376500/1882.5	100%	0.136	-0.18	23.34	25.00	1.466	0.199	22.9
Back Angle side	30	QPSK 1_1	376500/1882.5	100%	0.115	0.14	23.34	25.00	1.466	0.169	22.9
Left side	30	QPSK 1_1	376500/1882.5	100%	0.043	-0.05	23.34	25.00	1.466	0.063	22.9
Right side	30	QPSK 1_1	376500/1882.5	100%	0.279	-0.14	23.34	25.00	1.466	0.409	22.9
Top side	30	QPSK 1_1	376500/1882.5	100%	0.077	0.19	23.34	25.00	1.466	0.113	22.9
Hotspot Test data (Separate 10mm 50%RB)											
Front side	30	QPSK 75_36	376500/1882.5	100%	0.085	0.04	23.29	25.00	1.483	0.126	22.9
Back side	30	QPSK 75_36	376500/1882.5	100%	0.128	0.10	23.29	25.00	1.483	0.190	22.9
Back Angle side	30	QPSK 75_36	376500/1882.5	100%	0.114	-0.18	23.29	25.00	1.483	0.169	22.9
Left side	30	QPSK 75_36	376500/1882.5	100%	0.040	0.01	23.29	25.00	1.483	0.059	22.9
Right side	30	QPSK 75_36	376500/1882.5	100%	0.269	0.18	23.29	25.00	1.483	0.399	22.9
Top side	30	QPSK 75_36	376500/1882.5	100%	0.070	0.14	23.29	25.00	1.483	0.104	22.9

11.3.17 SAR Result of NR Band n41

SA N41 SAR Test Record											
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Right side	100	QPSK 1_1	518598/2592.99	100%	0.805	0.06	21.99	23.50	1.416	1.140	22.6
Right side-Repeat SAR	100	QPSK 1_1	518598/2592.99	100%	0.745	0.02	21.99	23.50	1.416	1.055	22.6
sensor on Body Test data (Separate 0mm 50%RB)											
Right side	100	QPSK 135_69	518598/2592.99	100%	0.748	0.08	21.93	23.50	1.435	1.073	22.6
sensor on Body Test data (Separate 0mm 100%RB)											
Right side	100	QPSK 270_0	518598/2592.99	100%	0.736	0.03	21.01	22.50	1.409	1.037	22.6
sensor on Body Evaluate data (Separate 0mm 1RB) For ENDC Simultaneous											
Right side	100	QPSK 1_1	518598/2592.99	100%	0.805	0.06	21.99	22.00	1.002	0.807	22.6
sensor on Body Evaluate data (Separate 0mm 50%RB) For ENDC Simultaneous											
Right side	100	QPSK 135_69	518598/2592.99	100%	0.748	0.08	21.93	22.00	1.016	0.760	22.6
sensor on Body Evaluate data (Separate 0mm 100%RB) For ENDC Simultaneous											
Right side	100	QPSK 270_0	518598/2592.99	100%	0.736	0.03	21.01	21.00	0.998	0.735	22.6
sensor off Body Test data (1RB)											
Front side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.420	-0.07	23.51	25.00	1.409	0.592	22.6
Back side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.439	0.12	23.51	25.00	1.409	0.619	22.6
Back Angle side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.607	-0.18	23.51	25.00	1.409	0.855	22.6
Left side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.068	-0.18	23.51	25.00	1.409	0.096	22.6
Right side - 13mm	100	QPSK 1_1	518598/2592.99	100%	0.363	0.06	23.51	25.00	1.409	0.511	22.6
Top side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.214	0.02	23.51	25.00	1.409	0.302	22.6
sensor off Body Test data (50%RB)											
Front side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.417	0.18	23.45	25.00	1.429	0.596	22.6
Back side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.425	-0.10	23.45	25.00	1.429	0.607	22.6
Back Angle side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.589	0.19	23.45	25.00	1.429	0.842	22.6
Left side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.054	0.18	23.45	25.00	1.429	0.077	22.6
Right side - 13mm	100	QPSK 135_69	518598/2592.99	100%	0.362	0.00	23.45	25.00	1.429	0.517	22.6
Top side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.207	-0.01	23.45	25.00	1.429	0.296	22.6
sensor off Body Test data (100%RB)											
Back Angle side - 0mm	100	QPSK 270_0	518598/2592.99	100%	0.588	0.15	22.47	24.00	1.422	0.836	22.6
sensor off Body Evaluate data (1RB) For ENDC Simultaneous											
Front side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.420	-0.07	23.51	24.00	1.119	0.470	22.6
Back side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.439	0.12	23.51	24.00	1.119	0.491	22.6
Back Angle side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.607	-0.18	23.51	24.00	1.119	0.679	22.6
Left side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.068	-0.18	23.51	24.00	1.119	0.076	22.6
Right side - 13mm	100	QPSK 1_1	518598/2592.99	100%	0.363	0.06	23.51	24.00	1.119	0.406	22.6
Top side - 0mm	100	QPSK 1_1	518598/2592.99	100%	0.214	0.02	23.51	24.00	1.119	0.239	22.6
sensor off Body Evaluate data (50%RB) For ENDC Simultaneous											
Front side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.417	0.18	23.45	24.00	1.135	0.473	22.6
Back side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.425	-0.10	23.45	24.00	1.135	0.482	22.6
Back Angle side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.589	0.19	23.45	24.00	1.135	0.669	22.6
Left side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.054	0.18	23.45	24.00	1.135	0.061	22.6
Right side - 13mm	100	QPSK 135_69	518598/2592.99	100%	0.362	0.00	23.45	24.00	1.135	0.411	22.6
Top side - 0mm	100	QPSK 135_69	518598/2592.99	100%	0.207	-0.01	23.45	24.00	1.135	0.235	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.147	-0.11	23.51	25.00	1.409	0.207	22.6

Back side	100	QPSK 1_1	518598/2592.99	100%	0.189	-0.15	23.51	25.00	1.409	0.266	22.6
Back Angle side	100	QPSK 1_1	518598/2592.99	100%	0.307	-0.08	23.51	25.00	1.409	0.433	22.6
Left side	100	QPSK 1_1	518598/2592.99	100%	0.000	0.09	23.51	25.00	1.409	0.000	22.6
Right side	100	QPSK 1_1	518598/2592.99	100%	0.407	0.10	23.51	25.00	1.409	0.573	22.6
Top side	100	QPSK 1_1	518598/2592.99	100%	0.117	0.04	23.51	25.00	1.409	0.165	22.6
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.151	-0.07	23.45	25.00	1.429	0.216	22.6
Back side	100	QPSK 135_69	518598/2592.99	100%	0.207	0.07	23.45	25.00	1.429	0.296	22.6
Back Angle side	100	QPSK 135_69	518598/2592.99	100%	0.316	0.14	23.45	25.00	1.429	0.452	22.6
Left side	100	QPSK 135_69	518598/2592.99	100%	0.000	-0.15	23.45	25.00	1.429	0.000	22.6
Right side	100	QPSK 135_69	518598/2592.99	100%	0.364	-0.15	23.45	25.00	1.429	0.520	22.6
Top side	100	QPSK 135_69	518598/2592.99	100%	0.120	0.03	23.45	25.00	1.429	0.171	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right side	518598/2592.99	0.805	0.745	1.081	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) 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 ($\sim 10\%$ from the 1-g SAR limit).						
3) 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 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

11.3.18 SAR Result of NR Band n48

SA N48 SAR Test Record											
Ant1 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Back Angle side	40	QPSK 1_1	641666/3624.99	100%	0.297	0.00	15.77	17.00	1.327	0.394	22.7
Right side	40	QPSK 1_1	641666/3624.99	100%	0.831	0.06	15.77	17.00	1.327	1.103	22.7
Right side-Repeat SAR	40	QPSK 1_1	641666/3624.99	100%	0.814	0.03	15.77	17.00	1.327	1.080	22.7
Right side	40	QPSK 1_1	638000/3570	100%	0.822	-0.04	15.74	17.00	1.337	1.099	22.7
Right side	40	QPSK 1_1	645322/3679.98	100%	0.800	0.19	15.64	17.00	1.368	1.094	22.7
sensor on Body Test data (Separate 0mm 50%RB)											
Back Angle side	40	QPSK 50_28	641666/3624.99	100%	0.282	0.13	15.67	17.00	1.358	0.383	22.7
Right side	40	QPSK 50_28	641666/3624.99	100%	0.799	-0.09	15.67	17.00	1.358	1.085	22.7
Right side	40	QPSK 50_28	638000/3570	100%	0.745	-0.11	15.65	17.00	1.365	1.017	22.7
Right side	40	QPSK 50_28	645322/3679.98	100%	0.736	0.09	15.54	17.00	1.400	1.030	22.7
sensor on Body Test data (Separate 0mm 100%RB)											
Right side	40	QPSK 1_1	641666/3624.99	100%	0.826	-0.14	23.75	25.00	1.334	1.102	22.7
Right side	40	QPSK 1_1	638000/3570	100%	0.811	0.01	23.75	25.00	1.334	1.082	22.7
Right side	40	QPSK 1_1	645322/3679.98	100%	0.798	0.10	23.75	25.00	1.334	1.065	22.7
sensor off Body Test data (1RB)											
Front side - 0mm	40	QPSK 1_1	641666/3624.99	100%	0.517	-0.08	23.75	25.00	1.334	0.690	22.7
Back side - 0mm	40	QPSK 1_1	641666/3624.99	100%	0.541	0.02	23.75	25.00	1.334	0.722	22.7
Back Angle side - 13mm	40	QPSK 1_1	641666/3624.99	100%	0.585	-0.12	23.75	25.00	1.334	0.780	22.7
Left side - 0mm	40	QPSK 1_1	641666/3624.99	100%	0.111	-0.09	23.75	25.00	1.334	0.148	22.7
Right side - 13mm	40	QPSK 1_1	641666/3624.99	100%	0.811	0.06	23.75	25.00	1.334	1.082	22.7
Right side - 13mm	40	QPSK 1_1	638000/3570	100%	0.803	-0.11	23.73	25.00	1.340	1.076	22.7
Right side - 13mm	40	QPSK 1_1	645322/3679.98	100%	0.796	-0.01	23.66	25.00	1.361	1.083	22.7
Top side - 0mm	40	QPSK 1_1	641666/3624.99	100%	0.633	0.05	23.75	25.00	1.334	0.844	22.7
sensor off Body Test data (50%RB)											
Front side - 0mm	40	QPSK 50_28	641666/3624.99	100%	0.489	0.16	23.69	25.00	1.352	0.661	22.7
Back side - 0mm	40	QPSK 50_28	641666/3624.99	100%	0.523	-0.12	23.69	25.00	1.352	0.707	22.7
Back Angle side - 13mm	40	QPSK 50_28	641666/3624.99	100%	0.563	0.07	23.69	25.00	1.352	0.761	22.7
Left side - 0mm	40	QPSK 50_28	641666/3624.99	100%	0.105	0.14	23.69	25.00	1.352	0.142	22.7
Right side - 13mm	40	QPSK 50_28	641666/3624.99	100%	0.810	0.00	23.69	25.00	1.352	1.095	22.7
Right side - 13mm	40	QPSK 50_28	638000/3570	100%	0.800	-0.08	23.62	25.00	1.374	1.099	22.7
Right side - 13mm	40	QPSK 50_28	645322/3679.98	100%	0.786	0.09	23.57	25.00	1.390	1.093	22.7
Top side - 0mm	40	QPSK 50_28	641666/3624.99	100%	0.568	-0.18	23.69	25.00	1.352	0.768	22.7
sensor off Body Test data (100%RB)											
Right side - 13mm	40	QPSK 100_0	641666/3624.99	100%	0.806	-0.16	22.76	24.00	1.330	1.072	22.7
Right side - 13mm	40	QPSK 100_0	638000/3570	100%	0.798	0.18	22.67	24.00	1.358	1.084	22.7
Right side - 13mm	40	QPSK 100_0	645322/3679.98	100%	0.806	-0.17	22.69	24.00	1.352	1.090	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	40	QPSK 1_1	641666/3624.99	100%	0.064	-0.13	20.27	21.50	1.327	0.085	22.3
Back side	40	QPSK 1_1	641666/3624.99	100%	0.281	-0.19	20.27	21.50	1.327	0.373	22.3
Back Angle side	40	QPSK 1_1	641666/3624.99	100%	0.368	0.09	20.27	21.50	1.327	0.488	22.3
Left side	40	QPSK 1_1	641666/3624.99	100%	0.040	0.16	20.27	21.50	1.327	0.053	22.3
Right side	40	QPSK 1_1	641666/3624.99	100%	0.730	0.16	20.27	21.50	1.327	0.969	22.3
Right side	40	QPSK 1_1	638000/3570	100%	0.685	0.15	20.20	21.50	1.349	0.924	22.3
Right side	40	QPSK 1_1	645322/3679.98	100%	0.672	0.18	20.18	21.50	1.355	0.911	22.3
Top side	40	QPSK 1_1	641666/3624.99	100%	0.143	0.04	20.27	21.50	1.327	0.190	22.3

Hotspot Test data (Separate 10mm 50%RB)											
Front side	40	QPSK 50_28	641666/3624.99	100%	0.057	0.18	20.26	21.50	1.330	0.076	22.3
Back side	40	QPSK 50_28	641666/3624.99	100%	0.271	0.03	20.26	21.50	1.330	0.360	22.3
Back Angle side	40	QPSK 50_28	641666/3624.99	100%	0.363	0.13	20.26	21.50	1.330	0.483	22.3
Left side	40	QPSK 50_28	641666/3624.99	100%	0.035	0.08	20.26	21.50	1.330	0.047	22.3
Right side	40	QPSK 50_28	641666/3624.99	100%	0.725	-0.04	20.26	21.50	1.330	0.964	22.3
Right side	40	QPSK 50_28	638000/3570	100%	0.698	-0.14	20.12	21.50	1.374	0.959	22.3
Right side	40	QPSK 50_28	645322/3679.98	100%	0.687	0.05	20.04	21.50	1.400	0.962	22.3
Top side	40	QPSK 50_28	641666/3624.99	100%	0.139	-0.17	20.26	21.50	1.330	0.185	22.3
Hotspot Test data (Separate 10mm 100%RB)											
Right side	40	QPSK 100_0	641666/3624.99	100%	0.714	0.09	19.28	20.50	1.324	0.945	22.3
Right side	40	QPSK 100_0	638000/3570	100%	0.698	0.08	19.13	20.50	1.371	0.957	22.3
Right side	40	QPSK 100_0	645322/3679.98	100%	0.705	-0.06	19.20	20.50	1.349	0.951	22.3

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right side	641666/3624.99	0.805	0.831	0.814	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) 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 ($\sim 10\%$ from the 1-g SAR limit).						
3) 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 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

11.3.19 SAR Result of NR Band n66

SA N66 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Front side	30	QPSK 1_1	349000/1745	100%	0.512	-0.18	19.39	21.00	1.449	0.742	22.2
Back Angle side	30	QPSK 1_1	349000/1745	100%	0.356	0.05	19.39	21.00	1.449	0.516	22.2
Top side	30	QPSK 1_1	349000/1745	100%	0.735	0.05	19.39	21.00	1.449	1.065	22.2
sensor on Body Test data (Separate 0mm 50%RB)											
Front side	30	QPSK 75_36	349000/1745	100%	0.487	-0.14	19.33	21.00	1.469	0.715	22.2
Back Angle side	30	QPSK 75_36	349000/1745	100%	0.347	0.09	19.33	21.00	1.469	0.510	22.2
Top side	30	QPSK 75_36	349000/1745	100%	0.718	-0.18	19.33	21.00	1.469	1.055	22.2
sensor on Body Test data (Separate 0mm 100%RB)											
Top side	30	QPSK 150_0	349000/1745	100%	0.685	0.03	18.25	20.00	1.496	1.025	22.2
sensor off Body Test data (1RB)											
Front side - 13mm	30	QPSK 1_1	349000/1745	100%	0.226	-0.09	23.40	25.00	1.445	0.327	22.2
Back side - 0mm	30	QPSK 1_1	349000/1745	100%	0.052	-0.14	23.40	25.00	1.445	0.075	22.2
Back Angle side - 13mm	30	QPSK 1_1	349000/1745	100%	0.222	-0.14	23.40	25.00	1.445	0.321	22.2
Left side - 0mm	30	QPSK 1_1	349000/1745	100%	0.153	-0.07	23.40	25.00	1.445	0.221	22.2
Right side - 0mm	30	QPSK 1_1	349000/1745	100%	0.673	0.01	23.40	25.00	1.445	0.972	22.2
Top side - 13mm	30	QPSK 1_1	349000/1745	100%	0.318	0.05	23.40	25.00	1.445	0.460	22.2
sensor off Body Test data (50%RB)											
Front side - 13mm	30	QPSK 75_36	349000/1745	100%	0.196	0.17	23.37	25.00	1.455	0.285	22.2
Back side - 0mm	30	QPSK 75_36	349000/1745	100%	0.049	-0.15	23.37	25.00	1.455	0.071	22.2
Back Angle side - 13mm	30	QPSK 75_36	349000/1745	100%	0.192	0.16	23.37	25.00	1.455	0.279	22.2
Left side - 0mm	30	QPSK 75_36	349000/1745	100%	0.149	0.15	23.37	25.00	1.455	0.217	22.2
Right side - 0mm	30	QPSK 75_36	349000/1745	100%	0.656	-0.13	23.37	25.00	1.455	0.954	22.2
Top side - 13mm	30	QPSK 75_36	349000/1745	100%	0.283	0.15	23.37	25.00	1.455	0.412	22.2
sensor off Body Test data (100%RB)											
Right side - 0mm	30	QPSK 150_0	349000/1745	100%	0.632	-0.13	22.28	24.00	1.486	0.939	22.2
Hotspot Test data (Separate 10mm 1RB)											
Front side	30	QPSK 1_1	349000/1745	100%	0.274	0.07	23.40	25.00	1.445	0.396	22.7
Back side	30	QPSK 1_1	349000/1745	100%	0.052	0.01	23.40	25.00	1.445	0.075	22.7
Back Angle side	30	QPSK 1_1	349000/1745	100%	0.233	0.12	23.40	25.00	1.445	0.337	22.7
Left side	30	QPSK 1_1	349000/1745	100%	0.246	-0.05	23.40	25.00	1.445	0.355	22.7
Right side	30	QPSK 1_1	349000/1745	100%	0.062	-0.17	23.40	25.00	1.445	0.090	22.7
Top side	30	QPSK 1_1	349000/1745	100%	0.376	0.04	23.40	25.00	1.445	0.543	22.7
Hotspot Test data (Separate 10mm 50%RB)											
Front side	30	QPSK 75_36	349000/1745	100%	0.245	-0.01	23.37	25.00	1.455	0.356	22.7
Back side	30	QPSK 75_36	349000/1745	100%	0.047	0.09	23.37	25.00	1.455	0.068	22.7
Back Angle side	30	QPSK 75_36	349000/1745	100%	0.216	0.06	23.37	25.00	1.455	0.314	22.7
Left side	30	QPSK 75_36	349000/1745	100%	0.230	0.18	23.37	25.00	1.455	0.335	22.7
Right side	30	QPSK 75_36	349000/1745	100%	0.058	0.15	23.37	25.00	1.455	0.084	22.7
Top side	30	QPSK 75_36	349000/1745	100%	0.329	0.10	23.37	25.00	1.455	0.479	22.7
Ant2 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm 1RB)											
Front side	30	QPSK 1_1	349000/1745	100%	0.141	-0.16	23.44	25.00	1.432	0.202	22.2

Back side	30	QPSK 1_1	349000/1745	100%	0.000	-0.02	23.44	25.00	1.432	0.000	22.2
Back Angle side	30	QPSK 1_1	349000/1745	100%	0.116	-0.10	23.44	25.00	1.432	0.166	22.2
Left side	30	QPSK 1_1	349000/1745	100%	0.000	0.11	23.44	25.00	1.432	0.000	22.2
Right side	30	QPSK 1_1	349000/1745	100%	0.419	-0.05	23.44	25.00	1.432	0.600	22.2
Top side	30	QPSK 1_1	349000/1745	100%	0.127	-0.12	23.44	25.00	1.432	0.182	22.2
Body Test data (Separate 0mm 50%RB)											
Front side	30	QPSK 75_36	349000/1745	100%	0.136	0.02	23.42	25.00	1.439	0.196	22.2
Back side	30	QPSK 75_36	349000/1745	100%	0.000	-0.03	23.42	25.00	1.439	0.000	22.2
Back Angle side	30	QPSK 75_36	349000/1745	100%	0.115	0.10	23.42	25.00	1.439	0.165	22.2
Left side	30	QPSK 75_36	349000/1745	100%	0.000	0.05	23.42	25.00	1.439	0.000	22.2
Right side	30	QPSK 75_36	349000/1745	100%	0.408	0.07	23.42	25.00	1.439	0.587	22.2
Top side	30	QPSK 75_36	349000/1745	100%	0.124	0.11	23.42	25.00	1.439	0.178	22.2
Hotspot Test data (Separate 10mm 1RB)											
Front side	30	QPSK 1_1	349000/1745	100%	0.045	-0.05	23.44	25.00	1.432	0.064	22.7
Back side	30	QPSK 1_1	349000/1745	100%	0.000	-0.11	23.44	25.00	1.432	0.000	22.7
Back Angle side	30	QPSK 1_1	349000/1745	100%	0.065	-0.19	23.44	25.00	1.432	0.093	22.7
Left side	30	QPSK 1_1	349000/1745	100%	0.000	0.06	23.44	25.00	1.432	0.000	22.7
Right side	30	QPSK 1_1	349000/1745	100%	0.113	-0.04	23.44	25.00	1.432	0.162	22.7
Top side	30	QPSK 1_1	349000/1745	100%	0.051	-0.16	23.44	25.00	1.432	0.073	22.7
Hotspot Test data (Separate 10mm 50%RB)											
Front side	30	QPSK 75_36	349000/1745	100%	0.036	-0.15	23.42	25.00	1.439	0.052	22.7
Back side	30	QPSK 75_36	349000/1745	100%	0.000	-0.15	23.42	25.00	1.439	0.000	22.7
Back Angle side	30	QPSK 75_36	349000/1745	100%	0.058	0.06	23.42	25.00	1.439	0.083	22.7
Left side	30	QPSK 75_36	349000/1745	100%	0.000	0.14	23.42	25.00	1.439	0.000	22.7
Right side	30	QPSK 75_36	349000/1745	100%	0.108	0.11	23.42	25.00	1.439	0.155	22.7
Top side	30	QPSK 75_36	349000/1745	100%	0.046	0.02	23.42	25.00	1.439	0.066	22.7

11.3.20 SAR Result of NR Band n71

SA N71 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	100%	0.683	0.07	23.34	25.00	1.466	1.001	22.4
Back side	20	QPSK 1_1	136100/680.5	100%	0.255	0.17	23.34	25.00	1.466	0.374	22.4
Back Angle side	20	QPSK 1_1	136100/680.5	100%	0.507	0.16	23.34	25.00	1.466	0.743	22.4
Left side	20	QPSK 1_1	136100/680.5	100%	0.143	-0.02	23.34	25.00	1.466	0.210	22.4
Right side	20	QPSK 1_1	136100/680.5	100%	0.230	-0.16	23.34	25.00	1.466	0.337	22.4
Top side	20	QPSK 1_1	136100/680.5	100%	0.445	-0.06	23.34	25.00	1.466	0.652	22.4
Body Test data (Separate 0mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	100%	0.650	0.08	23.28	25.00	1.486	0.966	22.4
Back side	20	QPSK 50_28	136100/680.5	100%	0.242	0.18	23.28	25.00	1.486	0.360	22.4
Back Angle side	20	QPSK 50_28	136100/680.5	100%	0.502	-0.07	23.28	25.00	1.486	0.746	22.4
Left side	20	QPSK 50_28	136100/680.5	100%	0.140	0.10	23.28	25.00	1.486	0.208	22.4
Right side	20	QPSK 50_28	136100/680.5	100%	0.216	-0.06	23.28	25.00	1.486	0.321	22.4
Top side	20	QPSK 50_28	136100/680.5	100%	0.442	-0.06	23.28	25.00	1.486	0.657	22.4
Body Test data (Separate 0mm 100%RB)											
Front side	20	QPSK 100_0	136100/680.5	100%	0.652	0.11	22.24	24.00	1.500	0.978	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	136100/680.5	100%	0.182	0.01	23.34	25.00	1.466	0.267	22.4
Back side	20	QPSK 1_1	136100/680.5	100%	0.100	0.00	23.34	25.00	1.466	0.147	22.4
Back Angle side	20	QPSK 1_1	136100/680.5	100%	0.180	-0.02	23.34	25.00	1.466	0.264	22.4
Left side	20	QPSK 1_1	136100/680.5	100%	0.083	0.15	23.34	25.00	1.466	0.122	22.4
Right side	20	QPSK 1_1	136100/680.5	100%	0.109	-0.02	23.34	25.00	1.466	0.160	22.4
Top side	20	QPSK 1_1	136100/680.5	100%	0.112	0.15	23.34	25.00	1.466	0.164	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	136100/680.5	100%	0.169	-0.19	23.28	25.00	1.486	0.251	22.4
Back side	20	QPSK 50_28	136100/680.5	100%	0.096	-0.13	23.28	25.00	1.486	0.143	22.4
Back Angle side	20	QPSK 50_28	136100/680.5	100%	0.164	0.18	23.28	25.00	1.486	0.244	22.4
Left side	20	QPSK 50_28	136100/680.5	100%	0.069	-0.14	23.28	25.00	1.486	0.103	22.4
Right side	20	QPSK 50_28	136100/680.5	100%	0.101	0.15	23.28	25.00	1.486	0.150	22.4
Top side	20	QPSK 50_28	136100/680.5	100%	0.105	-0.11	23.28	25.00	1.486	0.156	22.4

11.3.21 SAR Result of NR Band n77 (3405~3550)

SA N77 SAR Test Record											
Ant1 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Back Angle side	100	QPSK 1_1	633334/3500	100%	0.271	0.10	14.56	16.00	1.393	0.378	22.6
Right side	100	QPSK 1_1	633334/3500	100%	0.760	0.09	14.56	16.00	1.393	1.059	22.6
sensor on Body Test data (Separate 0mm 50%RB)											
Back Angle side	100	QPSK 135_69	633334/3500	100%	0.250	-0.02	14.50	16.00	1.413	0.353	22.6
Right side	100	QPSK 135_69	633334/3500	100%	0.747	0.02	14.50	16.00	1.413	1.056	22.6
sensor on Body Test data (Separate 0mm 100%RB)											
Right side	100	QPSK 270_0	633334/3500	100%	0.712	-0.17	13.52	15.00	1.406	1.001	22.6
sensor on Body Evaluate data (Separate 0mm 1RB) For ENDC Simultaneous											
Back Angle side	100	QPSK 1_1	633334/3500	100%	0.271	0.10	14.56	10.00	0.350	0.095	22.6
Right side	100	QPSK 1_1	633334/3500	100%	0.760	0.09	14.56	10.00	0.350	0.266	22.6
sensor on Body Evaluate data (Separate 0mm 50%RB) For ENDC Simultaneous											
Back Angle side	100	QPSK 135_69	633334/3500	100%	0.250	-0.02	14.50	10.00	0.355	0.089	22.6
Right side	100	QPSK 135_69	633334/3500	100%	0.747	0.02	14.50	10.00	0.355	0.265	22.6
sensor off Body Test data (1RB)											
Front side - 0mm	100	QPSK 1_1	633334/3500	100%	0.354	0.19	23.57	25.00	1.390	0.492	22.6
Back side - 0mm	100	QPSK 1_1	633334/3500	100%	0.512	-0.15	23.57	25.00	1.390	0.712	22.6
Back Angle side - 13mm	100	QPSK 1_1	633334/3500	100%	0.532	-0.15	23.57	25.00	1.390	0.739	22.6
Left side - 0mm	100	QPSK 1_1	633334/3500	100%	0.143	-0.13	23.57	25.00	1.390	0.199	22.6
Right side - 13mm	100	QPSK 1_1	633334/3500	100%	0.691	0.09	23.57	25.00	1.390	0.960	22.6
Top side - 0mm	100	QPSK 1_1	633334/3500	100%	0.609	-0.14	23.57	25.00	1.390	0.847	22.6
sensor off Body Test data (50%RB)											
Front side - 0mm	100	QPSK 135_69	633334/3500	100%	0.336	0.06	23.51	25.00	1.409	0.473	22.6
Back side - 0mm	100	QPSK 135_69	633334/3500	100%	0.504	0.07	23.51	25.00	1.409	0.710	22.6
Back Angle side - 13mm	100	QPSK 135_69	633334/3500	100%	0.511	0.18	23.51	25.00	1.409	0.720	22.6
Left side - 0mm	100	QPSK 135_69	633334/3500	100%	0.125	-0.02	23.51	25.00	1.409	0.176	22.6
Right side - 13mm	100	QPSK 135_69	633334/3500	100%	0.652	0.05	23.51	25.00	1.409	0.919	22.6
Top side - 0mm	100	QPSK 135_69	633334/3500	100%	0.581	0.00	23.51	25.00	1.409	0.819	22.6
sensor off Body Test data (100%RB)											
Right side - 13mm	100	QPSK 270_0	633334/3500	100%	0.638	-0.02	22.55	24.00	1.396	0.891	22.6
Top side - 0mm	100	QPSK 270_0	633334/3500	100%	0.648	-0.09	22.55	24.00	1.396	0.905	22.6
sensor off Body Evaluate data (1RB) For ENDC Simultaneous											
Front side - 0mm	100	QPSK 1_1	633334/3500	100%	0.354	0.19	23.57	19.00	0.349	0.124	22.6
Back side - 0mm	100	QPSK 1_1	633334/3500	100%	0.512	-0.15	23.57	19.00	0.349	0.179	22.6
Back Angle side - 13mm	100	QPSK 1_1	633334/3500	100%	0.532	-0.15	23.57	19.00	0.349	0.186	22.6
Left side - 0mm	100	QPSK 1_1	633334/3500	100%	0.143	-0.13	23.57	19.00	0.349	0.050	22.6
Right side - 13mm	100	QPSK 1_1	633334/3500	100%	0.691	0.09	23.57	19.00	0.349	0.241	22.6
Top side - 0mm	100	QPSK 1_1	633334/3500	100%	0.609	-0.14	23.57	19.00	0.349	0.213	22.6
sensor off Body Evaluate data (50%RB) For ENDC Simultaneous											
Front side - 0mm	100	QPSK 135_69	633334/3500	100%	0.336	0.06	23.51	19.00	0.354	0.119	22.6
Back side - 0mm	100	QPSK 135_69	633334/3500	100%	0.504	0.07	23.51	19.00	0.354	0.178	22.6
Back Angle side - 13mm	100	QPSK 135_69	633334/3500	100%	0.511	0.18	23.51	19.00	0.354	0.181	22.6
Left side - 0mm	100	QPSK 135_69	633334/3500	100%	0.125	-0.02	23.51	19.00	0.354	0.044	22.6
Right side - 13mm	100	QPSK 135_69	633334/3500	100%	0.652	0.05	23.51	19.00	0.354	0.231	22.6
Top side - 0mm	100	QPSK 135_69	633334/3500	100%	0.581	0.00	23.51	19.00	0.354	0.206	22.6

Hotspot Test data (Separate 10mm 1RB)											
Front side	100	QPSK 1_1	633334/3500	100%	0.070	-0.08	22.03	23.50	1.403	0.098	22.5
Back side	100	QPSK 1_1	633334/3500	100%	0.378	0.01	22.03	23.50	1.403	0.530	22.5
Back Angle side	100	QPSK 1_1	633334/3500	100%	0.445	-0.19	22.03	23.50	1.403	0.624	22.5
Left side	100	QPSK 1_1	633334/3500	100%	0.034	-0.01	22.03	23.50	1.403	0.048	22.5
Right side	100	QPSK 1_1	633334/3500	100%	0.715	0.04	22.03	23.50	1.403	1.003	22.5
Top side	100	QPSK 1_1	633334/3500	100%	0.114	0.12	22.03	23.50	1.403	0.160	22.5
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	633334/3500	100%	0.065	-0.09	21.97	23.50	1.422	0.092	22.5
Back side	100	QPSK 135_69	633334/3500	100%	0.373	-0.05	21.97	23.50	1.422	0.530	22.5
Back Angle side	100	QPSK 135_69	633334/3500	100%	0.436	-0.14	21.97	23.50	1.422	0.620	22.5
Left side	100	QPSK 135_69	633334/3500	100%	0.027	-0.17	21.97	23.50	1.422	0.038	22.5
Right side	100	QPSK 135_69	633334/3500	100%	0.637	-0.03	21.97	23.50	1.422	0.906	22.5
Top side	100	QPSK 135_69	633334/3500	100%	0.094	0.05	21.97	23.50	1.422	0.134	22.5
Hotspot Test data (Separate 10mm 100%RB)											
Right side	100	QPSK 270_0	633334/3500	100%	0.654	0.11	21.00	22.50	1.413	0.924	22.5

11.3.22 SAR Result of NR Band n77 (3700~3980)

SA N77 SAR Test Record											
Ant1 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data (Separate 0mm 1RB)											
Back Angle side	100	QPSK 1_1	650000/3750	100%	0.238	0.16	15.53	17.00	1.403	0.334	22.7
Right side	100	QPSK 1_1	650000/3750	100%	0.688	0.01	15.53	17.00	1.403	0.965	22.7
Right side	100	QPSK 1_1	662000/3930	100%	0.658	0.13	15.51	17.00	1.409	0.927	22.8
sensor on Body Test data (Separate 0mm 50%RB)											
Back Angle side	100	QPSK 135_69	650000/3750	100%	0.224	0.19	15.50	17.00	1.413	0.317	22.7
Right side	100	QPSK 135_69	650000/3750	100%	0.642	-0.18	15.50	17.00	1.413	0.907	22.7
Right side	100	QPSK 135_69	662000/3930	100%	0.633	0.03	15.47	17.00	1.422	0.900	22.8
sensor on Body Test data (Separate 0mm 100%RB)											
Right side	100	QPSK 270_0	650000/3750	100%	0.627	0.01	15.56	17.00	1.393	0.873	22.7
Right side	100	QPSK 270_0	662000/3930	100%	0.611	0.01	15.52	17.00	1.406	0.859	22.8
sensor on Body Evaluate data (Separate 0mm 1RB) For ENDC Simultaneous											
Back Angle side	100	QPSK 1_1	650000/3750	100%	0.238	0.16	15.53	11.00	0.352	0.084	22.7
Right side	100	QPSK 1_1	650000/3750	100%	0.688	0.01	15.53	11.00	0.352	0.242	22.7
sensor on Body Evaluate data (Separate 0mm 50%RB) For ENDC Simultaneous											
Back Angle side	100	QPSK 135_69	650000/3750	100%	0.224	0.19	15.50	11.00	0.355	0.080	22.7
Right side	100	QPSK 135_69	650000/3750	100%	0.642	-0.18	15.50	11.00	0.355	0.228	22.7
sensor off Body Test data (1RB)											
Front side - 0mm	100	QPSK 1_1	650000/3750	100%	0.381	0.05	23.56	25.00	1.393	0.531	22.7
Back side - 0mm	100	QPSK 1_1	650000/3750	100%	0.519	0.16	23.56	25.00	1.393	0.723	22.7
Back Angle side - 13mm	100	QPSK 1_1	650000/3750	100%	0.544	-0.16	23.56	25.00	1.393	0.758	22.7
Left side - 0mm	100	QPSK 1_1	650000/3750	100%	0.111	0.16	23.56	25.00	1.393	0.155	22.7
Right side - 13mm	100	QPSK 1_1	650000/3750	100%	0.614	0.01	23.56	25.00	1.393	0.855	22.7
Right side - 13mm	100	QPSK 1_1	662000/3930	100%	0.602	0.01	23.52	25.00	1.406	0.846	22.8
Top side - 0mm	100	QPSK 1_1	650000/3750	100%	0.597	-0.17	23.56	25.00	1.393	0.832	22.7
Top side - 0mm	100	QPSK 1_1	662000/3930	100%	0.569	0.11	23.52	25.00	1.406	0.800	22.8
sensor off Body Test data (50%RB)											
Front side - 0mm	100	QPSK 135_69	650000/3750	100%	0.374	-0.02	23.48	25.00	1.419	0.531	22.7
Back side - 0mm	100	QPSK 135_69	650000/3750	100%	0.509	0.03	23.48	25.00	1.419	0.722	22.7
Back Angle side - 13mm	100	QPSK 135_69	650000/3750	100%	0.536	-0.17	23.48	25.00	1.419	0.761	22.7
Left side - 0mm	100	QPSK 135_69	650000/3750	100%	0.085	-0.10	23.48	25.00	1.419	0.121	22.7
Right side - 13mm	100	QPSK 135_69	650000/3750	100%	0.674	-0.19	23.48	25.00	1.419	0.956	22.7
Right side - 13mm	100	QPSK 135_69	662000/3930	100%	0.660	-0.08	23.49	25.00	1.416	0.935	22.8
Top side - 0mm	100	QPSK 135_69	650000/3750	100%	0.563	-0.18	23.48	25.00	1.419	0.799	22.7
Top side - 0mm	100	QPSK 135_69	662000/3930	100%	0.542	-0.04	23.49	25.00	1.416	0.767	22.8
sensor off Body Test data (100%RB)											
Right side - 13mm	100	QPSK 270_0	650000/3750	100%	0.654	-0.01	22.52	24.00	1.406	0.920	22.7
Right side - 13mm	100	QPSK 270_0	662000/3930	100%	0.632	0.05	22.51	24.00	1.409	0.890	22.8
Top side - 0mm	100	QPSK 270_0	650000/3750	100%	0.611	0.18	22.52	24.00	1.406	0.859	22.7
Top side - 0mm	100	QPSK 270_0	662000/3930	100%	0.602	0.09	22.51	24.00	1.409	0.848	22.8
sensor off Body Evaluate data (1RB) For ENDC Simultaneous											
Front side - 0mm	100	QPSK 1_1	650000/3750	100%	0.381	0.05	23.56	19.00	0.350	0.133	22.7
Back side - 0mm	100	QPSK 1_1	650000/3750	100%	0.519	0.16	23.56	19.00	0.350	0.182	22.7
Back Angle side - 13mm	100	QPSK 1_1	650000/3750	100%	0.544	-0.16	23.56	19.00	0.350	0.190	22.7
Left side - 0mm	100	QPSK 1_1	650000/3750	100%	0.111	0.16	23.56	19.00	0.350	0.039	22.7

Right side - 13mm	100	QPSK 1_1	650000/3750	100%	0.614	0.01	23.56	19.00	0.350	0.215	22.7
Top side - 0mm	100	QPSK 1_1	650000/3750	100%	0.597	-0.17	23.56	19.00	0.350	0.209	22.7
sensor off Body Evaluate data (50%RB) For ENDC Simultaneous											
Front side - 0mm	100	QPSK 135_69	650000/3750	100%	0.374	-0.02	23.48	19.00	0.356	0.133	22.7
Back side - 0mm	100	QPSK 135_69	650000/3750	100%	0.509	0.03	23.48	19.00	0.356	0.181	22.7
Back Angle side - 13mm	100	QPSK 135_69	650000/3750	100%	0.536	-0.17	23.48	19.00	0.356	0.191	22.7
Left side - 0mm	100	QPSK 135_69	650000/3750	100%	0.085	-0.10	23.48	19.00	0.356	0.030	22.7
Right side - 13mm	100	QPSK 135_69	650000/3750	100%	0.674	-0.19	23.48	19.00	0.356	0.240	22.7
Top side - 0mm	100	QPSK 135_69	650000/3750	100%	0.563	-0.18	23.48	19.00	0.356	0.200	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	100	QPSK 1_1	650000/3750	100%	0.108	0.16	21.58	23.00	1.387	0.150	22.3
Back side	100	QPSK 1_1	650000/3750	100%	0.229	0.04	21.58	23.00	1.387	0.318	22.3
Back Angle side	100	QPSK 1_1	650000/3750	100%	0.454	0.17	21.58	23.00	1.387	0.630	22.3
Left side	100	QPSK 1_1	650000/3750	100%	0.049	0.08	21.58	23.00	1.387	0.068	22.3
Right side	100	QPSK 1_1	650000/3750	100%	0.710	0.04	21.58	23.00	1.387	0.985	22.3
Right side	100	QPSK 1_1	662000/3930	100%	0.685	-0.19	21.50	23.00	1.413	0.968	22.7
Top side	100	QPSK 1_1	650000/3750	100%	0.158	0.11	21.58	23.00	1.387	0.219	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	100	QPSK 135_69	650000/3750	100%	0.107	-0.10	21.46	23.00	1.426	0.153	22.3
Back side	100	QPSK 135_69	650000/3750	100%	0.219	0.11	21.46	23.00	1.426	0.312	22.3
Back Angle side	100	QPSK 135_69	650000/3750	100%	0.444	0.02	21.46	23.00	1.426	0.633	22.3
Left side	100	QPSK 135_69	650000/3750	100%	0.045	0.07	21.46	23.00	1.426	0.064	22.3
Right side	100	QPSK 135_69	650000/3750	100%	0.672	0.12	21.46	23.00	1.426	0.958	22.3
Right side	100	QPSK 135_69	662000/3930	100%	0.657	0.09	21.53	23.00	1.403	0.922	22.7
Top side	100	QPSK 135_69	650000/3750	100%	0.154	0.16	21.46	23.00	1.426	0.220	22.3
Hotspot Test data (Separate 10mm 100%RB)											
Right side	100	QPSK 270_0	650000/3750	100%	0.681	-0.06	20.53	22.00	1.403	0.955	22.3
Right side	100	QPSK 270_0	662000/3930	100%	0.663	-0.01	20.48	22.00	1.419	0.941	22.7

11.3.23 SAR Result of WIFI 2.4G

Wi-Fi 2.4G SAR Test Record											
sensor off Ant5 Test Record chain0											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm)											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.062	0.17	19.52	20.50	1.253	0.078	22.5
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.01	19.52	20.50	1.253	0.000	22.5
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.419	0.13	19.52	20.50	1.253	0.527	22.5
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.254	0.04	19.52	20.50	1.253	0.319	22.5
Right side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.08	19.52	20.50	1.253	0.000	22.5
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.364	-0.11	19.52	20.50	1.253	0.457	22.5
Body Evaluate data (Separate 0mm) For Simultaneous											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.062	0.17	19.52	16.00	0.445	0.028	22.5
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.01	19.52	16.00	0.445	0.000	22.5
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.419	0.13	19.52	16.00	0.445	0.187	22.5
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.254	0.04	19.52	16.00	0.445	0.113	22.5
Right side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.08	19.52	16.00	0.445	0.000	22.5
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.364	-0.11	19.52	16.00	0.445	0.162	22.5
Hotspot Test data (Separate 10mm)											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.15	19.52	20.50	1.253	0.000	22.8
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.13	19.52	20.50	1.253	0.000	22.8
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.115	0.06	19.52	20.50	1.253	0.145	22.8
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.01	19.52	20.50	1.253	0.000	22.8
Right side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.09	19.52	20.50	1.253	0.000	22.8
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.084	-0.10	19.52	20.50	1.253	0.106	22.8
Ant6 Test Record chain1											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm)											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.074	0.16	19.40	20.50	1.288	0.096	22.5
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.14	19.40	20.50	1.288	0.000	22.5
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.296	0.00	19.40	20.50	1.288	0.382	22.5
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.12	19.40	20.50	1.288	0.000	22.5
Right side	802.11AX HE20	1/2412	99.70%	1.003	0.310	0.15	19.40	20.50	1.288	0.400	22.5
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.01	19.40	20.50	1.288	0.000	22.5
Body Evaluate data (Separate 0mm) Simultaneous											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.074	0.16	19.40	16.00	0.457	0.034	22.5
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.14	19.40	16.00	0.457	0.000	22.5
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.296	0.00	19.40	16.00	0.457	0.136	22.5
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.12	19.40	16.00	0.457	0.000	22.5
Right side	802.11AX HE20	1/2412	99.70%	1.003	0.310	0.15	19.40	16.00	0.457	0.142	22.5
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.01	19.40	16.00	0.457	0.000	22.5
Hotspot Test data (Separate 10mm)											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.05	19.40	20.50	1.288	0.000	22.8
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.02	19.40	20.50	1.288	0.000	22.8
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.097	-0.04	19.40	20.50	1.288	0.125	22.8
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.16	19.40	20.50	1.288	0.000	22.8

Right side	802.11AX HE20	1/2412	99.70%	1.003	0.082	0.18	19.40	20.50	1.288	0.106	22.8
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.00	19.40	20.50	1.288	0.000	22.8
MIMO Test Record											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm)											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.088	-0.17	22.47	23.50	1.268	0.112	22.5
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.03	22.47	23.50	1.268	0.000	22.5
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.320	-0.05	22.47	23.50	1.268	0.407	22.5
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.233	-0.12	22.47	23.50	1.268	0.296	22.5
Right side	802.11AX HE20	1/2412	99.70%	1.003	0.259	0.18	22.47	23.50	1.268	0.329	22.5
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.345	0.03	22.47	23.50	1.268	0.439	22.5
Body Evaluate data (Separate 0mm) Simultaneous											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.088	-0.17	22.47	19.00	0.450	0.040	22.5
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	-0.03	22.47	19.00	0.450	0.000	22.5
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.320	-0.05	22.47	19.00	0.450	0.144	22.5
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.233	-0.12	22.47	19.00	0.450	0.105	22.5
Right side	802.11AX HE20	1/2412	99.70%	1.003	0.259	0.18	22.47	19.00	0.450	0.117	22.5
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.345	0.03	22.47	19.00	0.450	0.156	22.5
Hotspot Test data (Separate 10mm)											
Front side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.00	22.47	23.50	1.268	0.000	22.8
Back side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.08	22.47	23.50	1.268	0.000	22.8
Back Angle side	802.11AX HE20	1/2412	99.70%	1.003	0.066	0.09	22.47	23.50	1.268	0.084	22.8
Left side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.04	22.47	23.50	1.268	0.000	22.8
Right side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.06	22.47	23.50	1.268	0.000	22.8
Top side	802.11AX HE20	1/2412	99.70%	1.003	0.000	0.05	22.47	23.50	1.268	0.000	22.8

11.3.24 SAR Result of WIFI 5G

Wi-Fi 5G SAR Test Record											
Ant5 Test Record chain0											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data of U-NII-2A (Separate 0mm)											
Back Angle side	802.11a	52/5260	99.24%	1.008	0.798	0.01	16.32	17.50	1.312	1.055	22.3
Top side	802.11a	52/5260	99.24%	1.008	0.685	0.02	16.32	17.50	1.312	0.906	22.3
sensor off Body Test data of U-NII-2A											
Front side - 0mm	802.11a	52/5260	99.24%	1.008	0.438	0.06	18.85	20.00	1.303	0.575	22.3
Back side - 0mm	802.11a	52/5260	99.24%	1.008	0.321	-0.16	18.85	20.00	1.303	0.422	22.3
Back Angle side - 13mm	802.11a	52/5260	99.24%	1.008	0.308	-0.17	18.85	20.00	1.303	0.405	22.3
Left side - 0mm	802.11a	52/5260	99.24%	1.008	0.425	-0.09	18.85	20.00	1.303	0.558	22.3
Right side - 0mm	802.11a	52/5260	99.24%	1.008	0.000	-0.05	18.85	20.00	1.303	0.000	22.3
Top side - 13mm	802.11a	52/5260	99.24%	1.008	0.184	0.14	18.85	20.00	1.303	0.242	22.3
sensor on Body Evaluate data of U-NII-2A (Separate 0mm) For Simultaneous											
Back Angle side	802.11a	52/5260	99.24%	1.008	0.798	0.01	16.32	11.00	0.294	0.236	22.3
Top side	802.11a	52/5260	99.24%	1.008	0.685	0.02	16.32	11.00	0.294	0.203	22.3
sensor off Body Evaluate data of U-NII-2A For Simultaneous											
Front side - 0mm	802.11a	52/5260	99.24%	1.008	0.438	0.06	18.85	15.00	0.412	0.182	22.3
Back side - 0mm	802.11a	52/5260	99.24%	1.008	0.321	-0.16	18.85	15.00	0.412	0.133	22.3
Back Angle side - 13mm	802.11a	52/5260	99.24%	1.008	0.308	-0.17	18.85	15.00	0.412	0.128	22.3
Left side - 0mm	802.11a	52/5260	99.24%	1.008	0.425	-0.09	18.85	15.00	0.412	0.177	22.3
Right side - 0mm	802.11a	52/5260	99.24%	1.008	0.000	-0.05	18.85	15.00	0.412	0.000	22.3
Top side - 13mm	802.11a	52/5260	99.24%	1.008	0.184	0.14	18.85	15.00	0.412	0.076	22.3
sensor on Body Test data of U-NII-2C (Separate 0mm)											
Back Angle side	802.11a	100/5500	99.20%	1.008	0.480	0.04	16.31	17.00	1.172	0.567	22.5
Top side	802.11a	100/5500	99.20%	1.008	0.914	0.05	16.31	17.00	1.172	1.080	22.5
Top side-Repeat SAR	802.11a	100/5500	99.20%	1.008	0.876	0.07	16.31	17.00	1.172	1.027	22.5
sensor off Body Test data of U-NII-2C											
Front side - 0mm	802.11a	100/5500	99.20%	1.008	0.626	-0.17	19.27	20.00	1.183	0.746	22.5
Back side - 0mm	802.11a	100/5500	99.20%	1.008	0.249	-0.07	19.27	20.00	1.183	0.297	22.5
Back Angle side - 13mm	802.11a	100/5500	99.20%	1.008	0.476	-0.09	19.27	20.00	1.183	0.568	22.5
Left side - 0mm	802.11a	100/5500	99.20%	1.008	0.397	-0.03	19.27	20.00	1.183	0.473	22.5
Right side - 0mm	802.11a	100/5500	99.20%	1.008	0.154	-0.18	19.27	20.00	1.183	0.184	22.5
Top side - 13mm	802.11a	100/5500	99.20%	1.008	0.333	0.12	19.27	20.00	1.183	0.397	22.5
sensor on Body Evaluate data of U-NII-2C (Separate 0mm) For Simultaneous											
Back Angle side	802.11a	100/5500	99.20%	1.008	0.480	0.04	16.31	10.00	0.234	0.113	22.5
Top side	802.11a	100/5500	99.20%	1.008	0.914	0.05	16.31	10.00	0.234	0.216	22.5
sensor off Body Evaluate data of U-NII-2C For Simultaneous											
Front side - 0mm	802.11a	100/5500	99.20%	1.008	0.626	-0.17	19.27	13.50	0.265	0.167	22.5
Back side - 0mm	802.11a	100/5500	99.20%	1.008	0.249	-0.07	19.27	13.50	0.265	0.067	22.5
Back Angle side - 13mm	802.11a	100/5500	99.20%	1.008	0.476	-0.09	19.27	13.50	0.265	0.127	22.5
Left side - 0mm	802.11a	100/5500	99.20%	1.008	0.397	-0.03	19.27	13.50	0.265	0.106	22.5
Right side - 0mm	802.11a	100/5500	99.20%	1.008	0.154	-0.18	19.27	13.50	0.265	0.041	22.5
Top side - 13mm	802.11a	100/5500	99.20%	1.008	0.333	0.12	19.27	13.50	0.265	0.089	22.5
sensor on Body Test data of U-NII-3 (Separate 0mm)											
Back Angle side	802.11a	149/5745	99.20%	1.008	0.814	0.07	18.09	19.00	1.233	1.012	22.5
sensor off Body Test data of U-NII-3											
Front side - 0mm	802.11a	149/5745	99.20%	1.008	0.311	-0.14	19.10	20.00	1.230	0.386	22.4
Back side - 0mm	802.11a	149/5745	99.20%	1.008	0.143	0.09	19.10	20.00	1.230	0.177	22.4
Back Angle side - 13mm	802.11a	149/5745	99.20%	1.008	0.421	0.03	19.10	20.00	1.230	0.522	22.4

Left side - 0mm	802.11a	149/5745	99.20%	1.008	0.242	0.07	19.10	20.00	1.230	0.300	22.4
Right side - 0mm	802.11a	149/5745	99.20%	1.008	0.000	0.14	19.10	20.00	1.230	0.000	22.4
Top side - 0mm	802.11a	149/5745	99.20%	1.008	0.575	0.11	19.10	20.00	1.230	0.713	22.4
sensor on Body Evaluate data of U-NII-3 (Separate 0mm) For Simultaneous											
Back Angle side	802.11a	149/5745	99.20%	1.008	0.814	0.07	18.09	14.00	0.390	0.320	22.4
sensor off Body Evaluate data of U-NII-3 For Simultaneous											
Front side - 0mm	802.11a	149/5745	99.20%	1.008	0.311	-0.14	19.10	13.50	0.275	0.086	22.4
Back side - 0mm	802.11a	149/5745	99.20%	1.008	0.143	0.09	19.10	13.50	0.275	0.040	22.4
Back Angle side - 13mm	802.11a	149/5745	99.20%	1.008	0.421	0.03	19.10	13.50	0.275	0.117	22.4
Left side - 0mm	802.11a	149/5745	99.20%	1.008	0.242	0.07	19.10	13.50	0.275	0.067	22.4
Right side - 0mm	802.11a	149/5745	99.20%	1.008	0.000	0.14	19.10	13.50	0.275	0.000	22.4
Top side - 0mm	802.11a	149/5745	99.20%	1.008	0.575	0.11	19.10	13.50	0.275	0.159	22.4
Ant6 Test Record chain0											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data of U-NII-2A											
Front side	802.11a	52/5260	99.24%	1.008	0.000	-0.01	19.07	20.00	1.239	0.000	22.3
Back side	802.11a	52/5260	99.24%	1.008	0.000	0.11	19.07	20.00	1.239	0.000	22.3
Back Angle side	802.11a	52/5260	99.24%	1.008	0.000	0.12	19.07	20.00	1.239	0.000	22.3
Left side	802.11a	52/5260	99.24%	1.008	0.000	-0.11	19.07	20.00	1.239	0.000	22.3
Right side	802.11a	52/5260	99.24%	1.008	0.189	0.02	19.07	20.00	1.239	0.236	22.3
Top side	802.11a	52/5260	99.24%	1.008	0.000	0.17	19.07	20.00	1.239	0.000	22.3
Body Test data of U-NII-2C											
Front side	802.11a	100/5500	99.20%	1.008	0.000	-0.19	18.99	20.00	1.239	0.000	22.5
Back side	802.11a	100/5500	99.20%	1.008	0.000	0.06	18.99	20.00	1.239	0.000	22.5
Back Angle side	802.11a	100/5500	99.20%	1.008	0.000	0.14	18.99	20.00	1.239	0.000	22.5
Left side	802.11a	100/5500	99.20%	1.008	0.000	0.05	18.99	20.00	1.239	0.000	22.5
Right side	802.11a	100/5500	99.20%	1.008	0.067	-0.04	18.99	20.00	1.262	0.085	22.5
Top side	802.11a	100/5500	99.20%	1.008	0.000	0.09	18.99	20.00	1.239	0.000	22.5
Body Test data of U-NII-3											
Front side	802.11a	149/5745	99.20%	1.008	0.000	-0.09	18.86	20.00	1.239	0.000	22.4
Back side	802.11a	149/5745	99.20%	1.008	0.000	-0.08	18.86	20.00	1.239	0.000	22.4
Back Angle side	802.11a	149/5745	99.20%	1.008	0.000	0.11	18.86	20.00	1.239	0.000	22.4
Left side	802.11a	149/5745	99.20%	1.008	0.000	-0.07	18.86	20.00	1.239	0.000	22.4
Right side	802.11a	149/5745	99.20%	1.008	0.189	-0.14	18.86	20.00	1.300	0.248	22.4
Top side	802.11a	149/5745	99.20%	1.008	0.000	-0.11	18.86	20.00	1.239	0.000	22.4
MIMO Test Record											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
sensor on Body Test data of U-NII-2A (Separate 0mm)											
Back Angle side	802.11nHT20	52/5260	99.66%	1.003	0.742	-0.18	19.35	20.50	1.305	0.971	22.3
Top side	802.11nHT20	52/5260	99.66%	1.003	0.635	0.14	19.35	20.50	1.305	0.831	22.3
sensor off Body Test data of U-NII-2A											
Front side - 0mm	802.11nHT20	52/5260	99.66%	1.003	0.378	-0.02	21.85	23.00	1.303	0.494	22.3
Back side - 0mm	802.11nHT20	52/5260	99.66%	1.003	0.327	0.06	21.85	23.00	1.303	0.427	22.3
Back Angle side - 13mm	802.11nHT20	52/5260	99.66%	1.003	0.305	0.09	21.85	23.00	1.303	0.399	22.3
Left side - 0mm	802.11nHT20	52/5260	99.66%	1.003	0.348	0.16	21.85	23.00	1.303	0.455	22.3
Right side - 0mm	802.11nHT20	52/5260	99.66%	1.003	0.311	0.01	21.85	23.00	1.303	0.406	22.3
Top side - 13mm	802.11nHT20	52/5260	99.66%	1.003	0.192	0.15	21.85	23.00	1.303	0.251	22.3
sensor on Body Evaluate data of U-NII-2A (Separate 0mm) For Simultaneous											
Back Angle side	802.11nHT20	52/5260	99.66%	1.003	0.742	-0.18	19.35	14.00	0.292	0.217	22.3
Top side	802.11nHT20	52/5260	99.66%	1.003	0.635	0.14	19.35	14.00	0.292	0.186	22.3
sensor off Body Evaluate data of U-NII-2A For Simultaneous											
Front side - 0mm	802.11nHT20	52/5260	99.66%	1.003	0.378	-0.02	21.85	18.00	0.412	0.156	22.3
Back side - 0mm	802.11nHT20	52/5260	99.66%	1.003	0.327	0.06	21.85	18.00	0.412	0.135	22.3

Back Angle side - 13mm	802.11nHT20	52/5260	99.66%	1.003	0.305	0.09	21.85	18.00	0.412	0.126	22.3
Left side - 0mm	802.11nHT20	52/5260	99.66%	1.003	0.348	0.16	21.85	18.00	0.412	0.144	22.3
Right side - 0mm	802.11nHT20	52/5260	99.66%	1.003	0.311	0.01	21.85	18.00	0.412	0.129	22.3
Top side - 13mm	802.11nHT20	52/5260	99.66%	1.003	0.192	0.15	21.85	18.00	0.412	0.079	22.3
sensor on Body Test data of U-NII-2C (Separate 0mm)											
Back Angle side	802.11nHT20	100/5500	99.68%	1.003	0.645	0.19	19.12	20.00	1.225	0.792	22.5
Top side	802.11nHT20	100/5500	99.68%	1.003	0.852	-0.15	19.12	20.00	1.225	1.047	22.5
sensor off Body Test data of U-NII-2C											
Front side - 0mm	802.11nHT20	100/5500	99.68%	1.003	0.681	0.07	22.09	23.00	1.233	0.842	22.5
Back side - 0mm	802.11nHT20	100/5500	99.68%	1.003	0.239	0.11	22.09	23.00	1.233	0.296	22.5
Back Angle side - 13mm	802.11nHT20	100/5500	99.68%	1.003	0.418	0.07	22.09	23.00	1.233	0.517	22.5
Left side - 0mm	802.11nHT20	100/5500	99.68%	1.003	0.407	0.05	22.09	23.00	1.233	0.503	22.5
Right side - 0mm	802.11nHT20	100/5500	99.68%	1.003	0.158	-0.15	22.09	23.00	1.233	0.195	22.5
Top side - 13mm	802.11nHT20	100/5500	99.68%	1.003	0.315	-0.08	22.09	23.00	1.233	0.390	22.5
sensor on Body Evaluate data of U-NII-2C (Separate 0mm) For Simultaneous											
Back Angle side	802.11nHT20	100/5500	99.68%	1.003	0.645	0.19	19.12	13.00	0.244	0.158	22.5
Top side	802.11nHT20	100/5500	99.68%	1.003	0.852	-0.15	19.12	13.00	0.244	0.209	22.5
sensor off Body Evaluate data of U-NII-2C For Simultaneous											
Front side - 0mm	802.11nHT20	100/5500	99.68%	1.003	0.681	0.07	22.09	16.50	0.276	0.189	22.5
Back side - 0mm	802.11nHT20	100/5500	99.68%	1.003	0.239	0.11	22.09	16.50	0.276	0.066	22.5
Back Angle side - 13mm	802.11nHT20	100/5500	99.68%	1.003	0.418	0.07	22.09	16.50	0.276	0.116	22.5
Left side - 0mm	802.11nHT20	100/5500	99.68%	1.003	0.407	0.05	22.09	16.50	0.276	0.113	22.5
Right side - 0mm	802.11nHT20	100/5500	99.68%	1.003	0.158	-0.15	22.09	16.50	0.276	0.044	22.5
Top side - 13mm	802.11nHT20	100/5500	99.68%	1.003	0.315	-0.08	22.09	16.50	0.276	0.087	22.5
sensor on Body Test data of U-NII-3 (Separate 0mm)											
Back Angle side	802.11nHT20	149/5745	99.68%	1.003	0.742	0.01	20.85	22.00	1.302	0.969	22.4
sensor off Body Test data of U-NII-3											
Front side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.290	-0.08	22.06	23.00	1.242	0.361	22.4
Back side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.160	-0.13	22.06	23.00	1.242	0.199	22.4
Back Angle side - 13mm	802.11nHT20	149/5745	99.68%	1.003	0.367	0.19	22.06	23.00	1.242	0.457	22.4
Left side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.234	0.03	22.06	23.00	1.242	0.291	22.4
Right side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.000	-0.02	22.06	23.00	1.242	0.000	22.4
Top side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.541	0.07	22.06	23.00	1.242	0.674	22.4
sensor on Body Evaluate data of U-NII-3 (Separate 0mm) For Simultaneous											
Back Angle side	802.11nHT20	149/5745	99.68%	1.003	0.742	0.01	21.02	17.00	0.397	0.295	22.4
sensor off Body Evaluate data of U-NII-3 For Simultaneous											
Front side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.290	-0.08	20.85	16.50	0.367	0.107	22.4
Back side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.160	-0.13	20.85	16.50	0.367	0.059	22.4
Back Angle side - 13mm	802.11nHT20	149/5745	99.68%	1.003	0.367	0.19	20.85	16.50	0.367	0.135	22.4
Left side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.234	0.03	20.85	16.50	0.367	0.086	22.4
Right side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.000	-0.02	20.85	16.50	0.367	0.000	22.4
Top side - 0mm	802.11nHT20	149/5745	99.68%	1.003	0.541	0.07	20.85	16.50	0.367	0.199	22.4

11.3.25 SAR Result of WIFI 6E

Wi-Fi 6E SAR Test Record													
Ant5 Test Record chain0													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	APD W/m ² (4cm ²)	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled APD W/m ² (W/kg)	Liquid Temp.(°C)
Body SAR Test data of U-NII-5(Separate 0mm)													
Front side	802.11BE EHT80M	39/6145	99.68%	1.000	0.125	0.680	0.16	18.89	19.50	1.151	0.144	0.783	22.3
Back side	802.11BE EHT80M	39/6145	99.68%	1.000	0.045	0.250	-0.08	18.89	19.50	1.151	0.052	0.288	22.3
Back Angle side	802.11BE EHT80M	39/6145	99.68%	1.000	0.374	2.220	0.01	18.89	19.50	1.151	0.430	2.555	22.3
Left side	802.11BE EHT80M	39/6145	99.68%	1.000	0.159	0.960	0.05	18.89	19.50	1.151	0.183	1.105	22.3
Right side	802.11BE EHT80M	39/6145	99.68%	1.000	0.000	0.000	-0.10	18.89	19.50	1.151	0.000	0.000	22.3
Top side	802.11BE EHT80M	39/6145	99.68%	1.000	0.383	2.240	0.02	18.89	19.50	1.151	0.441	2.578	22.3
Top side	802.11BE EHT80M	7/5985	99.68%	1.000	0.355	2.110	0.04	18.75	19.50	1.189	0.422	2.509	22.3
Body SAR Evaluate data of U-NII-5(Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	39/6145	99.68%	1.000	0.125	0.680	0.16	18.89	15.50	0.458	0.057	0.311	22.3
Back side	802.11BE EHT80M	39/6145	99.68%	1.000	0.045	0.250	-0.08	18.89	15.50	0.458	0.021	0.115	22.3
Back Angle side	802.11BE EHT80M	39/6145	99.68%	1.000	0.374	2.220	0.01	18.89	15.50	0.458	0.171	1.017	22.3
Left side	802.11BE EHT80M	39/6145	99.68%	1.000	0.159	0.960	0.05	18.89	15.50	0.458	0.073	0.440	22.3
Right side	802.11BE EHT80M	39/6145	99.68%	1.000	0.000	0.000	-0.10	18.89	15.50	0.458	0.000	0.000	22.3
Top side	802.11BE EHT80M	39/6145	99.68%	1.000	0.383	2.240	0.02	18.89	15.50	0.458	0.175	1.026	22.3
Top side	802.11BE EHT80M	7/5985	99.68%	1.000	0.355	2.110	0.04	18.75	15.50	0.473	0.168	0.998	22.3
Body SAR Test data of U-NII-6 (Separate 0mm)													
Front side	802.11BE EHT80M	103/6465	99.72%	1.000	0.059	0.350	-0.06	18.69	19.50	1.205	0.071	0.422	22.3
Back side	802.11BE EHT80M	103/6465	99.72%	1.000	0.111	0.710	-0.10	18.69	19.50	1.205	0.134	0.856	22.3
Back Angle side	802.11BE EHT80M	103/6465	99.72%	1.000	0.352	2.080	-0.14	18.69	19.50	1.205	0.424	2.506	22.3
Left side	802.11BE EHT80M	103/6465	99.72%	1.000	0.154	0.870	-0.09	18.69	19.50	1.205	0.186	1.048	22.3
Right side	802.11BE EHT80M	103/6465	99.72%	1.000	0.000	0.000	0.09	18.69	19.50	1.205	0.000	0.000	22.3
Top side	802.11BE EHT80M	103/6465	99.72%	1.000	0.380	2.420	0.15	18.69	19.50	1.205	0.458	2.916	22.3
Body SAR Evaluate data of U-NII-6 (Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	103/6465	99.72%	1.000	0.059	0.350	-0.06	18.69	14.50	0.381	0.022	0.133	22.3
Back side	802.11BE EHT80M	103/6465	99.72%	1.000	0.111	0.710	-0.10	18.69	14.50	0.381	0.042	0.271	22.3
Back Angle side	802.11BE EHT80M	103/6465	99.72%	1.000	0.352	2.080	-0.14	18.69	14.50	0.381	0.134	0.792	22.3
Left side	802.11BE EHT80M	103/6465	99.72%	1.000	0.154	0.870	-0.09	18.69	14.50	0.381	0.059	0.331	22.3
Right side	802.11BE EHT80M	103/6465	99.72%	1.000	0.000	0.000	0.09	18.69	14.50	0.381	0.000	0.000	22.3
Top side	802.11BE EHT80M	103/6465	99.72%	1.000	0.380	2.420	0.15	18.69	14.50	0.381	0.145	0.922	22.3
Body SAR Test data of U-NII-7													
Front side	802.11BE EHT80M	151/6705	99.68%	1.000	0.081	0.470	0.16	17.83	18.50	1.167	0.095	0.548	22.3
Back side	802.11BE EHT80M	151/6705	99.68%	1.000	0.129	0.690	-0.02	17.83	18.50	1.167	0.151	0.805	22.3
Back Angle side	802.11BE EHT80M	151/6705	99.68%	1.000	0.483	2.940	0.03	17.83	18.50	1.167	0.564	3.431	22.3
Left side	802.11BE EHT80M	151/6705	99.68%	1.000	0.126	0.790	-0.09	17.83	18.50	1.167	0.147	0.922	22.3
Right side	802.11BE EHT80M	151/6705	99.68%	1.000	0.000	0.000	0.17	17.83	18.50	1.167	0.000	0.000	22.3
Top side	802.11BE EHT80M	151/6705	99.68%	1.000	0.511	1.930	0.08	17.83	18.50	1.167	0.596	3.430	22.3
Body SAR Evaluate data of U-NII-7 (Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	151/6705	99.68%	1.000	0.081	0.470	0.16	17.83	13.50	0.369	0.030	0.173	22.3
Back side	802.11BE EHT80M	151/6705	99.68%	1.000	0.129	0.690	-0.02	17.83	13.50	0.369	0.048	0.255	22.3
Back Angle side	802.11BE EHT80M	151/6705	99.68%	1.000	0.483	2.940	0.03	17.83	13.50	0.369	0.178	1.085	22.3
Left side	802.11BE EHT80M	151/6705	99.68%	1.000	0.126	0.790	-0.09	17.83	13.50	0.369	0.046	0.292	22.3

Right side	802.11BE EHT80M	151/6705	99.68%	1.000	0.000	0.000	0.17	17.83	13.50	0.369	0.000	0.000	22.3
Top side	802.11BE EHT80M	151/6705	99.68%	1.000	0.511	1.930	0.08	17.83	13.50	0.369	0.189	1.050	22.3
Body SAR Test data of U-NII-8 (Separate 0mm)													
Front side	802.11BE EHT80M	215/7025	99.72%	1.000	0.101	0.620	0.17	17.57	18.50	1.239	0.125	0.768	22.3
Back side	802.11BE EHT80M	215/7025	99.72%	1.000	0.136	0.740	-0.03	17.57	18.50	1.239	0.169	0.917	22.3
Back Angle side	802.11BE EHT80M	215/7025	99.72%	1.000	0.475	2.730	-0.19	17.57	18.50	1.239	0.589	3.382	22.3
Left side	802.11BE EHT80M	215/7025	99.72%	1.000	0.096	0.570	-0.18	17.57	18.50	1.239	0.119	0.706	22.3
Right side	802.11BE EHT80M	215/7025	99.72%	1.000	0.000	0.000	0.13	17.57	18.50	1.239	0.000	0.000	22.3
Top side	802.11BE EHT80M	215/7025	99.72%	1.000	0.461	2.670	-0.16	17.57	18.50	1.239	0.571	3.308	22.3
Body SAR Evaluate data of U-NII-8 (Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	215/7025	99.72%	1.000	0.101	0.620	0.17	17.57	14.00	0.440	0.044	0.273	22.3
Back side	802.11BE EHT80M	215/7025	99.72%	1.000	0.136	0.740	-0.03	17.57	14.00	0.440	0.060	0.326	22.3
Back Angle side	802.11BE EHT80M	215/7025	99.72%	1.000	0.475	2.730	-0.19	17.57	14.00	0.440	0.209	1.201	22.3
Left side	802.11BE EHT80M	215/7025	99.72%	1.000	0.096	0.570	-0.18	17.57	14.00	0.440	0.042	0.251	22.3
Right side	802.11BE EHT80M	215/7025	99.72%	1.000	0.000	0.000	0.13	17.57	14.00	0.440	0.000	0.000	22.3
Top side	802.11BE EHT80M	215/7025	99.72%	1.000	0.461	2.670	-0.16	17.57	14.00	0.440	0.203	1.175	22.3
Ant6 Test Record chain0													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	APD W/m ² (4cm ²)	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled APD W/m ² (W/kg)	Liquid Temp.(°C)
Body SAR Test data of U-NII-5 (Separate 0mm)													
Front side	802.11BE EHT80M	39/6145	99.68%	1.003	0.000	0.000	0.09	18.78	19.50	1.180	0.000	0.000	22.3
Back side	802.11BE EHT80M	39/6145	99.68%	1.003	0.000	0.000	0.16	18.78	19.50	1.180	0.000	0.000	22.3
Back Angle side	802.11BE EHT80M	39/6145	99.68%	1.003	0.000	0.000	-0.14	18.78	19.50	1.180	0.000	0.000	22.3
Left side	802.11BE EHT80M	39/6145	99.68%	1.003	0.000	0.000	-0.09	18.78	19.50	1.180	0.000	0.000	22.3
Right side	802.11BE EHT80M	39/6145	99.68%	1.003	0.038	0.230	-0.13	18.78	19.50	1.180	0.045	0.272	22.3
Right side	802.11BE EHT80M	7/5985	99.68%	1.003	0.025	0.214	0.03	18.62	19.50	1.225	0.031	0.263	22.3
Top side	802.11BE EHT80M	39/6145	99.68%	1.003	0.000	0.000	0.02	18.78	19.50	1.180	0.000	0.000	22.3
Body SAR Test data of U-NII-6 (Separate 0mm)													
Front side	802.11BE EHT80M	103/6465	99.72%	1.003	0.000	0.000	-0.16	18.58	19.50	1.236	0.000	0.000	22.3
Back side	802.11BE EHT80M	103/6465	99.72%	1.003	0.000	0.000	0.14	18.58	19.50	1.236	0.000	0.000	22.3
Back Angle side	802.11BE EHT80M	103/6465	99.72%	1.003	0.000	0.000	-0.04	18.58	19.50	1.236	0.000	0.000	22.3
Left side	802.11BE EHT80M	103/6465	99.72%	1.003	0.000	0.000	-0.14	18.58	19.50	1.236	0.000	0.000	22.3
Right side	802.11BE EHT80M	103/6465	99.72%	1.003	0.000	0.000	0.11	18.58	19.50	1.236	0.000	0.000	22.3
Top side	802.11BE EHT80M	103/6465	99.72%	1.003	0.000	0.000	0.02	18.58	19.50	1.236	0.000	0.000	22.3
Body SAR Test data of U-NII-7													
Front side	802.11BE EHT80M	151/6705	99.68%	1.003	0.052	0.320	0.06	17.78	18.50	1.180	0.062	0.379	22.3
Back side	802.11BE EHT80M	151/6705	99.68%	1.003	0.000	0.000	-0.04	17.78	18.50	1.180	0.000	0.000	22.3
Back Angle side	802.11BE EHT80M	151/6705	99.68%	1.003	0.078	0.450	-0.04	17.78	18.50	1.180	0.092	0.533	22.3
Left side	802.11BE EHT80M	151/6705	99.68%	1.003	0.000	0.000	0.14	17.78	18.50	1.180	0.000	0.000	22.3
Right side	802.11BE EHT80M	151/6705	99.68%	1.003	0.460	2.700	-0.05	17.78	18.50	1.180	0.544	3.196	22.3
Top side	802.11BE EHT80M	151/6705	99.68%	1.003	0.000	0.000	-0.19	17.78	18.50	1.180	0.000	0.000	22.3
Body SAR Evaluate data of U-NII-7 (Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	151/6705	99.68%	1.003	0.052	0.320	0.06	17.78	13.50	0.373	0.019	0.120	22.3
Back side	802.11BE EHT80M	151/6705	99.68%	1.003	0.000	0.000	-0.04	17.78	13.50	0.373	0.000	0.000	22.3
Back Angle side	802.11BE EHT80M	151/6705	99.68%	1.003	0.078	0.450	-0.04	17.78	13.50	0.373	0.029	0.168	22.3
Left side	802.11BE EHT80M	151/6705	99.68%	1.003	0.000	0.000	0.14	17.78	13.50	0.373	0.000	0.000	22.3
Right side	802.11BE EHT80M	151/6705	99.68%	1.003	0.460	2.700	-0.05	17.78	13.50	0.373	0.172	1.010	22.3
Top side	802.11BE EHT80M	151/6705	99.68%	1.003	0.000	0.000	-0.19	17.78	13.50	0.373	0.000	0.000	22.3

Body SAR Test data of U-NII-8 (Separate 0mm)													
Front side	802.11BE EHT80M	199/6945	99.72%	1.003	0.057	0.360	-0.15	17.67	18.50	1.211	0.069	0.437	22.3
Back side	802.11BE EHT80M	199/6945	99.72%	1.003	0.000	0.000	0.08	17.67	18.50	1.211	0.000	0.000	22.3
Back Angle side	802.11BE EHT80M	199/6945	99.72%	1.003	0.074	0.400	-0.04	17.67	18.50	1.211	0.090	0.486	22.3
Left side	802.11BE EHT80M	199/6945	99.72%	1.003	0.000	0.000	0.09	17.67	18.50	1.211	0.000	0.000	22.3
Right side	802.11BE EHT80M	199/6945	99.72%	1.003	0.466	2.420	-0.12	17.67	18.50	1.211	0.566	2.939	22.3
Top side	802.11BE EHT80M	199/6945	99.72%	1.003	0.000	0.000	-0.04	17.67	18.50	1.211	0.000	0.000	22.3
Body SAR Evaluate data of U-NII-8 (Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	199/6945	99.72%	1.003	0.057	0.360	-0.15	17.67	14.00	0.430	0.025	0.155	22.3
Back side	802.11BE EHT80M	199/6945	99.72%	1.003	0.000	0.000	0.08	17.67	14.00	0.430	0.000	0.000	22.3
Back Angle side	802.11BE EHT80M	199/6945	99.72%	1.003	0.074	0.400	-0.04	17.67	14.00	0.430	0.032	0.173	22.3
Left side	802.11BE EHT80M	199/6945	99.72%	1.003	0.000	0.000	0.09	17.67	14.00	0.430	0.000	0.000	22.3
Right side	802.11BE EHT80M	199/6945	99.72%	1.003	0.466	2.420	-0.12	17.67	14.00	0.430	0.201	1.044	22.3
Top side	802.11BE EHT80M	199/6945	99.72%	1.003	0.000	0.000	-0.04	17.67	14.00	0.430	0.000	0.000	22.3
MIMO Test Record													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	APD W/m ² (4cm ²)	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled APD W/m ² (W/kg)	Liquid Temp.(°C)
Body SAR Test data of U-NII-5 (Separate 0mm)													
Front side	802.11BE EHT80M	39/6145	99.68%	1.003	0.112	0.720	0.00	21.85	22.50	1.163	0.131	0.840	22.3
Back side	802.11BE EHT80M	39/6145	99.68%	1.003	0.107	0.570	0.18	21.85	22.50	1.163	0.125	0.665	22.3
Back Angle side	802.11BE EHT80M	39/6145	99.68%	1.003	0.327	2.090	0.17	21.85	22.50	1.163	0.381	2.438	22.3
Left side	802.11BE EHT80M	39/6145	99.68%	1.003	0.159	0.980	-0.02	21.85	22.50	1.163	0.185	1.143	22.3
Right side	802.11BE EHT80M	39/6145	99.68%	1.003	0.070	0.380	0.10	21.85	22.50	1.163	0.082	0.443	22.3
Top side	802.11BE EHT80M	39/6145	99.68%	1.003	0.369	2.310	-0.05	21.85	22.50	1.163	0.430	2.695	22.3
Top side	802.11BE EHT80M	7/5985	99.68%	1.003	0.347	2.060	0.06	21.70	22.50	1.203	0.419	2.486	22.3
Body SAR Evaluate data of U-NII-5(Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	39/6145	99.68%	1.003	0.112	0.720	0.00	21.85	18.50	0.463	0.052	0.334	22.3
Back side	802.11BE EHT80M	39/6145	99.68%	1.003	0.107	0.570	0.18	21.85	18.50	0.463	0.050	0.265	22.3
Back Angle side	802.11BE EHT80M	39/6145	99.68%	1.003	0.327	2.090	0.17	21.85	18.50	0.463	0.152	0.971	22.3
Left side	802.11BE EHT80M	39/6145	99.68%	1.003	0.159	0.980	-0.02	21.85	18.50	0.463	0.074	0.455	22.3
Right side	802.11BE EHT80M	39/6145	99.68%	1.003	0.070	0.380	0.10	21.85	18.50	0.463	0.033	0.176	22.3
Top side	802.11BE EHT80M	39/6145	99.68%	1.003	0.369	2.310	-0.05	21.85	18.50	0.463	0.171	1.073	22.3
Top side	802.11BE EHT80M	7/5985	99.68%	1.003	0.347	2.060	0.06	21.70	18.50	0.479	0.167	0.990	22.3
Body SAR Test data of U-NII-6 (Separate 0mm)													
Front side	802.11BE EHT80M	103/6465	99.72%	1.003	0.070	0.400	-0.15	21.65	22.50	1.217	0.085	0.488	22.3
Back side	802.11BE EHT80M	103/6465	99.72%	1.003	0.119	0.770	-0.17	21.65	22.50	1.217	0.145	0.940	22.3
Back Angle side	802.11BE EHT80M	103/6465	99.72%	1.003	0.472	2.870	0.00	21.65	22.50	1.217	0.576	3.503	22.3
Left side	802.11BE EHT80M	103/6465	99.72%	1.003	0.183	1.060	0.14	21.65	22.50	1.217	0.223	1.294	22.3
Right side	802.11BE EHT80M	103/6465	99.72%	1.003	0.312	1.790	0.13	21.65	22.50	1.217	0.381	2.185	22.3
Top side	802.11BE EHT80M	103/6465	99.72%	1.003	0.476	2.720	0.07	21.65	22.50	1.217	0.581	3.320	22.3
Body SAR Evaluate data of U-NII-6 (Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	103/6465	99.72%	1.003	0.070	0.400	-0.15	21.65	17.50	0.385	0.027	0.154	22.3
Back side	802.11BE EHT80M	103/6465	99.72%	1.003	0.119	0.770	-0.17	21.65	17.50	0.385	0.046	0.297	22.3
Back Angle side	802.11BE EHT80M	103/6465	99.72%	1.003	0.472	2.870	0.00	21.65	17.50	0.385	0.182	1.108	22.3
Left side	802.11BE EHT80M	103/6465	99.72%	1.003	0.183	1.060	0.14	21.65	17.50	0.385	0.071	0.409	22.3
Right side	802.11BE EHT80M	103/6465	99.72%	1.003	0.312	1.790	0.13	21.65	17.50	0.385	0.120	0.691	22.3
Top side	802.11BE EHT80M	103/6465	99.72%	1.003	0.476	2.720	0.07	21.65	17.50	0.385	0.184	1.050	22.3
Body SAR Test data of U-NII-7													

Front side	802.11BE EHT80M	151/6705	99.68%	1.003	0.083	0.520	0.06	20.78	21.50	1.181	0.098	0.616	22.3
Back side	802.11BE EHT80M	151/6705	99.68%	1.003	0.112	0.660	0.02	20.78	21.50	1.181	0.133	0.782	22.3
Back Angle side	802.11BE EHT80M	151/6705	99.68%	1.003	0.438	2.420	0.06	20.78	21.50	1.181	0.519	2.867	22.3
Left side	802.11BE EHT80M	151/6705	99.68%	1.003	0.124	0.750	0.09	20.78	21.50	1.181	0.147	0.888	22.3
Right side	802.11BE EHT80M	151/6705	99.68%	1.003	0.491	3.100	-0.14	20.78	21.50	1.181	0.582	3.672	22.3
Top side	802.11BE EHT80M	151/6705	99.68%	1.003	0.510	3.430	-0.09	20.78	21.50	1.181	0.604	4.063	22.3
Body SAR Evaluate data of U-NII-7 (Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	151/6705	99.68%	1.003	0.083	0.520	0.06	20.78	16.50	0.374	0.031	0.195	22.3
Back side	802.11BE EHT80M	151/6705	99.68%	1.003	0.112	0.660	0.02	20.78	16.50	0.374	0.042	0.248	22.3
Back Angle side	802.11BE EHT80M	151/6705	99.68%	1.003	0.438	2.420	0.06	20.78	16.50	0.374	0.164	0.908	22.3
Left side	802.11BE EHT80M	151/6705	99.68%	1.003	0.124	0.750	0.09	20.78	16.50	0.374	0.047	0.281	22.3
Right side	802.11BE EHT80M	151/6705	99.68%	1.003	0.491	3.100	-0.14	20.78	16.50	0.374	0.184	1.163	22.3
Top side	802.11BE EHT80M	151/6705	99.68%	1.003	0.510	3.430	-0.09	20.78	16.50	0.374	0.191	1.287	22.3
Body SAR Test data of U-NII-8 (Separate 0mm)													
Front side	802.11BE EHT80M	199/6945	99.72%	1.003	0.103	0.640	-0.13	20.78	21.50	1.181	0.122	0.758	22.3
Back side	802.11BE EHT80M	199/6945	99.72%	1.003	0.117	0.740	0.13	20.78	21.50	1.181	0.139	0.877	22.3
Back Angle side	802.11BE EHT80M	199/6945	99.72%	1.003	0.467	2.780	0.08	20.78	21.50	1.181	0.553	3.293	22.3
Left side	802.11BE EHT80M	199/6945	99.72%	1.003	0.099	0.600	-0.14	20.78	21.50	1.181	0.117	0.711	22.3
Right side	802.11BE EHT80M	199/6945	99.72%	1.003	0.462	2.460	-0.10	20.78	21.50	1.181	0.547	2.914	22.3
Top side	802.11BE EHT80M	199/6945	99.72%	1.003	0.449	2.770	-0.02	20.78	21.50	1.181	0.532	3.281	22.3
Body SAR Evaluate data of U-NII-8 (Separate 0mm) For Simultaneous													
Front side	802.11BE EHT80M	199/6945	99.72%	1.003	0.103	0.640	-0.13	20.78	17.00	0.419	0.043	0.269	22.3
Back side	802.11BE EHT80M	199/6945	99.72%	1.003	0.117	0.740	0.13	20.78	17.00	0.419	0.049	0.311	22.3
Back Angle side	802.11BE EHT80M	199/6945	99.72%	1.003	0.467	2.780	0.08	20.78	17.00	0.419	0.196	1.168	22.3
Left side	802.11BE EHT80M	199/6945	99.72%	1.003	0.099	0.600	-0.14	20.78	17.00	0.419	0.042	0.252	22.3
Right side	802.11BE EHT80M	199/6945	99.72%	1.003	0.462	2.460	-0.10	20.78	17.00	0.419	0.194	1.034	22.3
Top side	802.11BE EHT80M	199/6945	99.72%	1.003	0.449	2.770	-0.02	20.78	17.00	0.419	0.189	1.164	22.3

11.3.26 SAR Result of BT

Bluetooth SAR Test Record											
Ant5 Test Record chain0											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm)											
Front side	DH5	39/2441	76.80%	1.302	0.000	-0.01	10.37	12.00	1.455	0.000	22.5
Back side	DH5	39/2441	76.80%	1.302	0.000	-0.03	10.37	12.00	1.455	0.000	22.5
Back Angle side	DH5	39/2441	76.80%	1.302	0.013	0.09	10.37	12.00	1.455	0.025	22.5
Left side	DH5	39/2441	76.80%	1.302	0.000	0.09	10.37	12.00	1.455	0.000	22.5
Right side	DH5	39/2441	76.80%	1.302	0.000	-0.19	10.37	12.00	1.455	0.000	22.5
Top side	DH5	39/2441	76.80%	1.302	0.000	-0.15	10.37	12.00	1.455	0.000	22.5
Hotspot Test data (Separate 10mm)											
Front side	DH5	39/2441	76.80%	1.302	0.000	0.13	10.37	12.00	1.455	0.000	22.8
Back side	DH5	39/2441	76.80%	1.302	0.000	0.12	10.37	12.00	1.455	0.000	22.8
Back Angle side	DH5	39/2441	76.80%	1.302	0.002	0.09	10.37	12.00	1.455	0.004	22.8
Left side	DH5	39/2441	76.80%	1.302	0.000	0.09	10.37	12.00	1.455	0.000	22.8
Right side	DH5	39/2441	76.80%	1.302	0.000	0.18	10.37	12.00	1.455	0.000	22.8
Top side	DH5	39/2441	76.80%	1.302	0.000	-0.16	10.37	12.00	1.455	0.000	22.8
Ant6 Test Record chain1											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 0mm)											
Front side	DH5	39/2441	76.80%	1.302	0.000	-0.15	10.26	12.00	1.493	0.000	22.5
Back side	DH5	39/2441	76.80%	1.302	0.000	-0.04	10.26	12.00	1.493	0.000	22.5
Back Angle side	DH5	39/2441	76.80%	1.302	0.000	0.01	10.26	12.00	1.493	0.000	22.5
Left side	DH5	39/2441	76.80%	1.302	0.000	-0.11	10.26	12.00	1.493	0.000	22.5
Right side	DH5	39/2441	76.80%	1.302	0.000	0.17	10.26	12.00	1.493	0.000	22.5
Top side	DH5	39/2441	76.80%	1.302	0.000	0.03	10.26	12.00	1.493	0.000	22.5
Hotspot Test data (Separate 10mm)											
Front side	DH5	39/2441	76.80%	1.302	0.000	-0.04	10.26	12.00	1.493	0.000	22.8
Back side	DH5	39/2441	76.80%	1.302	0.000	0.10	10.26	12.00	1.493	0.000	22.8
Back side	DH5	39/2441	76.80%	1.302	0.000	-0.19	10.26	12.00	1.493	0.000	22.8
Left side	DH5	39/2441	76.80%	1.302	0.000	-0.02	10.26	12.00	1.493	0.000	22.8
Right side	DH5	39/2441	76.80%	1.302	0.000	0.12	10.26	12.00	1.493	0.000	22.8
Top side	DH5	39/2441	76.80%	1.302	0.000	0.03	10.26	12.00	1.493	0.000	22.8

11.3.27 SAR Result of NFC

NFC SAR Test Record									
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	Power drift (dB)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
NFC Test data (Separate 0mm)									
Front side	NFC	13.56MHz	100.00%	1.000	0.000	0.04	1.000	0.000	22.4
Back side	NFC	13.56MHz	100.00%	1.000	0.000	0.04	1.000	0.000	22.4
Back Angle side	NFC	13.56MHz	100.00%	1.000	0.075	-0.01	1.000	0.075	22.4
Left side	NFC	13.56MHz	100.00%	1.000	0.000	0.07	1.000	0.000	22.4
Right side	NFC	13.56MHz	100.00%	1.000	0.000	-0.04	1.000	0.000	22.4
Top side	NFC	13.56MHz	100.00%	1.000	0.000	0.07	1.000	0.000	22.4

11.4 Measurement of PD Data

Note:

- 1) The maximum Scaled PD value is marked in bold. Graph results refer to Appendix B.
- 2) Since there is no different PD limit on different exposure conditions, therefore the PD test was performed of a 2mm separation between sensor and EUT surface to cover all exposure conditions of EUT.
- 3) Per equipment manufacturer guidance, power density was measured at $d=2\text{mm}$ and $d=\lambda/5\text{mm}$ using the same grid size and grid step size for some frequencies, surfaces and each antennas. The integrated Power Density (iPD) was calculated based on these measurements. Since iPD ratio between the two distances is $< 1\text{dB}$, the grid step (0.0625) was sufficient for determining compliance at $d=2\text{mm}$.
- 4) According to October 2020 TCB Workshop Interim procedures, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty $> 30\%$. Total expanded uncertainty of 2.67 dB (85%) was used to determine the psPD measurement scaling factor.
- 5) Per October 2020 TCB Workshop Interim procedures, WIFI 6E start instead with a minimum of 5 test channels across the full band.

11.4.1 PD Result of WIFI 6E

Wi-Fi 6E PD Test Record MIMO															
Test position	Test mode	Test ch./Freq.	Distance (mm)	Grid Step (λ)	Duty Cycle	Duty Cycle Scaled factor	iPDn	iPD ratio	Measured PD 4cm ² (W/m ²)	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaling Factor for measurement uncertainty	Tune up Scaled factor	Scaled PD 4cm ² (W/m ²)
Power Density Test DATA Sensor on															
Back Angle side	802.11be EHT80	151/6705	2	0.0625	99.68%	1.007	/	/	4.78	-0.04	20.55	21.50	1.5493	1.245	9.246
Back Angle side	802.11be EHT80	199/6945	2	0.0625	99.72%	1.007	/	/	3.96	0.02	20.59	21.50	1.5493	1.233	7.586
Back Angle side	802.11be EHT80	215/7025	2	0.0625	99.72%	1.007	/	/	4.66	0.14	20.47	21.50	1.5493	1.268	9.180
Power Density Test DATA Sensor off															
Front side	802.11be EHT80	39/6145	2	0.0625	99.68%	1.007	/	/	2.87	0.02	21.85	22.50	1.5493	1.161	5.177
Back side	802.11be EHT80	39/6145	2	0.0625	99.68%	1.007	/	/	1.43	0.06	21.85	22.50	1.5493	1.161	2.579
Back Angle side	802.11be EHT80	39/6145	2	0.0625	99.68%	1.007	63.0	0.31	4.47	0.04	21.85	22.50	1.5493	1.161	8.063
Back Angle side	802.11be EHT80	39/6145	9.8	0.0625	99.68%	1.007	58.6		1.43	0.18	21.85	22.50	1.5493	1.161	2.579
Left side	802.11be EHT80	39/6145	2	0.0625	99.68%	1.007	/	/	1.83	0.02	21.85	22.50	1.5493	1.161	3.301
Right side	802.11be EHT80	39/6145	2	0.0625	99.68%	1.007	/	/	1.68	0.06	21.85	22.50	1.5493	1.161	3.030
Top side	802.11be EHT80	39/6145	2	0.0625	99.68%	1.007	/	/	3.60	-0.04	21.85	22.50	1.5493	1.161	6.494
Back Angle side	802.11be EHT80	103/6465	2	0.0625	99.72%	1.007	/	/	4.20	0.05	21.65	22.50	1.5493	1.216	7.935
Back Angle side	802.11be EHT80	151/6705	11	0.0625	99.68%	1.007	/	/	2.61	-0.02	21.78	22.50	1.5493	1.180	4.785
Back Angle side	802.11be EHT80	199/6945	11	0.0625	99.72%	1.007	/	/	2.77	0.01	21.83	22.50	1.5493	1.167	5.022
Back Angle side	802.11be EHT80	215/7025	11	0.0625	99.72%	1.007	/	/	2.94	0.03	21.82	22.50	1.5493	1.169	5.340

11.5 Multiple Transmitter Evaluation

11.5.1 Simultaneous SAR test evaluation

No.	Simultaneous Tx Combination	Body	Hotspot	Product Specific 10-g (0mm)
1	WWAN+WIFI 2.4G Ant5+ WIFI 2.4G Ant6	Yes	Yes	/
2	WWAN+WIFI 2.4G MIMO	Yes	Yes	/
3	WWAN+WIFI 2.4G Ant5	Yes	Yes	/
4	WWAN+WIFI 2.4G Ant6+BT Ant5	Yes	Yes	/
5	WWAN+WIFI 2.4G Ant5+ WIFI 2.4G Ant6+WIFI 5G Ant5+WIFI 5G Ant6	Yes	Yes	/
6	WWAN+WIFI 2.4G MIMO+WIFI 5G MIMO	Yes	Yes	/
7	WWAN+WIFI 2.4G Ant5+ WIFI 2.4G Ant6+ WIFI 6G Ant5+WIFI 6G Ant6	Yes	Yes	/
8	WWAN+WIFI 2.4G MIMO+WIFI 6G MIMO	Yes	Yes	/
9	WWAN+ WIFI 5G Ant5+WIFI 5G Ant6+BT Ant5	Yes	Yes	/
10	WWAN+WIFI 5G MIMO+BT Ant5	Yes	Yes	/
11	WWAN+WIFI 6G Ant5+WIFI 6G Ant6+BT Ant5	Yes	Yes	/
12	WWAN+WIFI 6G MIMO+BT Ant5	Yes	Yes	/

11.5.2 Simultaneous Transmission SAR Summation Scenario

Body:

Test position		SARmax (W/kg)										
		WWAN	WiFi 2.4G Ant5(chain0)	WiFi 2.4G Ant6(chain1)	WiFi 2.4G MIMO	WiFi 5G Ant5(chain0)	WiFi 5G Ant6(chain1)	WiFi 5G MIMO	WiFi 6G Ant5(chain0)	WiFi 6G Ant6(chain1)	WiFi 6G MIMO	BT Ant5
		1	2	3	4	5	6	7	8	9	10	11
LTE Band 7	Front side	0.391	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.175	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.744	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.201	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.729	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	1.015	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 12(17)	Front side	1.008	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.372	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.748	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.342	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.377	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.625	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 13	Front side	1.161	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.415	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.724	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.275	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.306	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.798	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 14	Front side	1.020	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.354	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.679	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.292	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.275	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.837	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 25(2)	Front side	0.549	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.114	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.426	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.065	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.956	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.965	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 26(5)	Front side	1.066	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.386	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.721	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.311	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.399	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.795	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 41(38)	Front side	0.589	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.085	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.389	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	1.026	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.000	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.000	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000

LTE Band 42	Front side	0.396	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.571	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.714	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.780	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	1.022	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.518	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 43	Front side	0.414	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.459	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.686	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.000	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.967	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.473	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 48	Front side	0.425	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.497	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.613	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.000	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.926	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.540	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 66(4)	Front side	0.737	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.085	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.484	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.172	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.927	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	1.022	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
LTE Band 71	Front side	0.944	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.318	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.574	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.214	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.351	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.661	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
NR Band n5	Front side	1.191	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.375	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.768	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.460	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.473	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.770	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
NR Band n7	Front side	0.411	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.203	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.632	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.159	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.779	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	1.136	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
NR Band n12	Front side	1.043	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.280	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.741	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.283	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.306	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.580	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
NR Band	Front side	0.711	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000

n25(2)	Back side	0.286	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.917	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.091	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	1.048	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	1.162	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
NR Band n41(38)	Front side	0.596	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.619	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.855	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.096	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	1.140	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.807	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
NR Band n48	Front side	0.690	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.722	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.780	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.148	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	1.103	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.844	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
NR Band n66	Front side	0.742	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.075	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.516	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.221	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.972	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	1.065	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
NR Band n71	Front side	1.001	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.374	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.746	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.210	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.337	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.657	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
SAR_NR Band n77(3450-3700) (N78)	Front side	0.492	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.712	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.739	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.199	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	1.059	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.905	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
SAR_NR Band n77(3700-3980) (N78)	Front side	0.531	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.723	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.761	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.155	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.965	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.859	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000

Test position		Summed SAR											
		1+2+3	1+4	1+2	1+3+11	1+2+3+5+6	1+4+7	1+2+3+8+9	1+4+10	1+5+6+11	1+7+11	1+8+9+11	1+10+11
LTE Band 7	Front side	0.453	0.431	0.419	0.425	0.635	0.620	0.535	0.483	0.573	0.580	0.473	0.443
	Back side	0.175	0.175	0.175	0.175	0.308	0.310	0.235	0.225	0.308	0.310	0.235	0.225
	Back Angle side	1.067	0.888	0.931	0.905	1.387	1.183	1.308	1.084	1.089	1.064	1.010	0.965
	Left side	0.314	0.306	0.314	0.201	0.491	0.450	0.387	0.380	0.378	0.345	0.274	0.275

	Right side	0.871	0.846	0.729	0.871	1.160	0.975	1.072	1.040	1.018	0.858	0.930	0.923
	Top side	1.177	1.171	1.177	1.015	1.393	1.380	1.380	1.362	1.231	1.224	1.218	1.206
LTE Band 12(17)	Front side	1.070	1.048	1.036	1.042	1.252	1.237	1.152	1.100	1.190	1.197	1.090	1.060
	Back side	0.372	0.372	0.372	0.372	0.505	0.507	0.432	0.422	0.505	0.507	0.432	0.422
	Back Angle side	1.071	0.892	0.935	0.909	1.391	1.187	1.312	1.088	1.093	1.068	1.014	0.969
	Left side	0.455	0.447	0.455	0.342	0.632	0.591	0.528	0.521	0.519	0.486	0.415	0.416
	Right side	0.519	0.494	0.377	0.519	0.808	0.623	0.720	0.688	0.666	0.506	0.578	0.571
	Top side	0.787	0.781	0.787	0.625	1.003	0.990	0.990	0.972	0.841	0.834	0.828	0.816
LTE Band 13	Front side	1.223	1.201	1.189	1.195	1.405	1.390	1.305	1.253	1.343	1.350	1.243	1.213
	Back side	0.415	0.415	0.415	0.415	0.548	0.550	0.475	0.465	0.548	0.550	0.475	0.465
	Back Angle side	1.047	0.868	0.911	0.885	1.367	1.163	1.288	1.064	1.069	1.044	0.990	0.945
	Left side	0.388	0.380	0.388	0.275	0.565	0.524	0.461	0.454	0.452	0.419	0.348	0.349
	Right side	0.448	0.423	0.306	0.448	0.737	0.552	0.649	0.617	0.595	0.435	0.507	0.500
	Top side	0.960	0.954	0.960	0.798	1.176	1.163	1.163	1.145	1.014	1.007	1.001	0.989
LTE Band 14	Front side	1.082	1.060	1.048	1.054	1.264	1.249	1.164	1.112	1.202	1.209	1.102	1.072
	Back side	0.354	0.354	0.354	0.354	0.487	0.489	0.414	0.404	0.487	0.489	0.414	0.404
	Back Angle side	1.002	0.823	0.866	0.840	1.322	1.118	1.243	1.019	1.024	0.999	0.945	0.900
	Left side	0.405	0.397	0.405	0.292	0.582	0.541	0.478	0.471	0.469	0.436	0.365	0.366
	Right side	0.417	0.392	0.275	0.417	0.706	0.521	0.618	0.586	0.564	0.404	0.476	0.469
	Top side	0.999	0.993	0.999	0.837	1.215	1.202	1.202	1.184	1.053	1.046	1.040	1.028
LTE Band 25(2)	Front side	0.611	0.589	0.577	0.583	0.793	0.778	0.693	0.641	0.731	0.738	0.631	0.601
	Back side	0.114	0.114	0.114	0.114	0.247	0.249	0.174	0.164	0.247	0.249	0.174	0.164
	Back Angle side	0.749	0.570	0.613	0.587	1.069	0.865	0.990	0.766	0.771	0.746	0.692	0.647
	Left side	0.178	0.170	0.178	0.065	0.355	0.314	0.251	0.244	0.242	0.209	0.138	0.139
	Right side	1.098	1.073	0.956	1.098	1.387	1.202	1.299	1.267	1.245	1.085	1.157	1.150
	Top side	1.127	1.121	1.127	0.965	1.343	1.330	1.330	1.312	1.181	1.174	1.168	1.156
LTE Band 26(5)	Front side	1.128	1.106	1.094	1.100	1.310	1.295	1.210	1.158	1.248	1.255	1.148	1.118
	Back side	0.386	0.386	0.386	0.386	0.519	0.521	0.446	0.436	0.519	0.521	0.446	0.436
	Back Angle side	1.044	0.865	0.908	0.882	1.364	1.160	1.285	1.061	1.066	1.041	0.987	0.942
	Left side	0.424	0.416	0.424	0.311	0.601	0.560	0.497	0.490	0.488	0.455	0.384	0.385
	Right side	0.541	0.516	0.399	0.541	0.830	0.645	0.742	0.710	0.688	0.528	0.600	0.593
	Top side	0.957	0.951	0.957	0.795	1.173	1.160	1.160	1.142	1.011	1.004	0.998	0.986
LTE Band 41(38)	Front side	0.651	0.629	0.617	0.623	0.833	0.818	0.733	0.681	0.771	0.778	0.671	0.641
	Back side	0.085	0.085	0.085	0.085	0.218	0.220	0.145	0.135	0.218	0.220	0.145	0.135
	Back Angle side	0.712	0.533	0.576	0.550	1.032	0.828	0.953	0.729	0.734	0.709	0.655	0.610
	Left side	1.139	1.131	1.139	1.026	1.316	1.275	1.212	1.205	1.203	1.170	1.099	1.100
	Right side	0.142	0.117	0.000	0.142	0.431	0.246	0.343	0.311	0.289	0.129	0.201	0.194
	Top side	0.162	0.156	0.162	0.000	0.378	0.365	0.365	0.347	0.216	0.209	0.203	0.191
LTE Band 42	Front side	0.458	0.436	0.424	0.430	0.640	0.625	0.540	0.488	0.578	0.585	0.478	0.448
	Back side	0.571	0.571	0.571	0.571	0.704	0.706	0.631	0.621	0.704	0.706	0.631	0.621
	Back Angle side	1.037	0.858	0.901	0.875	1.357	1.153	1.278	1.054	1.059	1.034	0.980	0.935
	Left side	0.893	0.885	0.893	0.780	1.070	1.029	0.966	0.959	0.957	0.924	0.853	0.854
	Right side	1.164	1.139	1.022	1.164	1.453	1.268	1.365	1.333	1.311	1.151	1.223	1.216
	Top side	0.680	0.674	0.680	0.518	0.896	0.883	0.883	0.865	0.734	0.727	0.721	0.709
LTE Band 43	Front side	0.476	0.454	0.442	0.448	0.658	0.643	0.558	0.506	0.596	0.603	0.496	0.466
	Back side	0.459	0.459	0.459	0.459	0.592	0.594	0.519	0.509	0.592	0.594	0.519	0.509
	Back Angle side	1.009	0.830	0.873	0.847	1.329	1.125	1.250	1.026	1.031	1.006	0.952	0.907
	Left side	0.113	0.105	0.113	0.000	0.290	0.249	0.186	0.179	0.177	0.144	0.073	0.074
	Right side	1.109	1.084	0.967	1.109	1.398	1.213	1.310	1.278	1.256	1.096	1.168	1.161
	Top side	0.635	0.629	0.635	0.473	0.851	0.838	0.838	0.820	0.689	0.682	0.676	0.664
LTE Band	Front side	0.487	0.465	0.453	0.459	0.669	0.654	0.569	0.517	0.607	0.614	0.507	0.477

48	Back side	0.497	0.497	0.497	0.497	0.630	0.632	0.557	0.547	0.630	0.632	0.557	0.547
	Back Angle side	0.936	0.757	0.800	0.774	1.256	1.052	1.177	0.953	0.958	0.933	0.879	0.834
	Left side	0.113	0.105	0.113	0.000	0.290	0.249	0.186	0.179	0.177	0.144	0.073	0.074
	Right side	1.068	1.043	0.926	1.068	1.357	1.172	1.269	1.237	1.215	1.055	1.127	1.120
	Top side	0.702	0.696	0.702	0.540	0.918	0.905	0.905	0.887	0.756	0.749	0.743	0.731
LTE Band 66(4)	Front side	0.799	0.777	0.765	0.771	0.981	0.966	0.881	0.829	0.919	0.926	0.819	0.789
	Back side	0.085	0.085	0.085	0.085	0.218	0.220	0.145	0.135	0.218	0.220	0.145	0.135
	Back Angle side	0.807	0.628	0.671	0.645	1.127	0.923	1.048	0.824	0.829	0.804	0.750	0.705
	Left side	0.285	0.277	0.285	0.172	0.462	0.421	0.358	0.351	0.349	0.316	0.245	0.246
	Right side	1.069	1.044	0.927	1.069	1.358	1.173	1.270	1.238	1.216	1.056	1.128	1.121
LTE Band 71	Top side	1.184	1.178	1.184	1.022	1.400	1.387	1.387	1.369	1.238	1.231	1.225	1.213
	Front side	1.006	0.984	0.972	0.978	1.188	1.173	1.088	1.036	1.126	1.133	1.026	0.996
	Back side	0.318	0.318	0.318	0.318	0.451	0.453	0.378	0.368	0.451	0.453	0.378	0.368
	Back Angle side	0.897	0.718	0.761	0.735	1.217	1.013	1.138	0.914	0.919	0.894	0.840	0.795
	Left side	0.327	0.319	0.327	0.214	0.504	0.463	0.400	0.393	0.391	0.358	0.287	0.288
NR Band n5	Right side	0.493	0.468	0.351	0.493	0.782	0.597	0.694	0.662	0.640	0.480	0.552	0.545
	Top side	0.823	0.817	0.823	0.661	1.039	1.026	1.026	1.008	0.877	0.870	0.864	0.852
	Front side	1.253	1.231	1.219	1.225	1.435	1.420	1.335	1.283	1.373	1.380	1.273	1.243
	Back side	0.375	0.375	0.375	0.375	0.508	0.510	0.435	0.425	0.508	0.510	0.435	0.425
	Back Angle side	1.091	0.912	0.955	0.929	1.411	1.207	1.332	1.108	1.113	1.088	1.034	0.989
NR Band n7	Left side	0.573	0.565	0.573	0.460	0.750	0.709	0.646	0.639	0.637	0.604	0.533	0.534
	Right side	0.615	0.590	0.473	0.615	0.904	0.719	0.816	0.784	0.762	0.602	0.674	0.667
	Top side	0.932	0.926	0.932	0.770	1.148	1.135	1.135	1.117	0.986	0.979	0.973	0.961
	Front side	0.473	0.451	0.439	0.445	0.655	0.640	0.555	0.503	0.593	0.600	0.493	0.463
	Back side	0.203	0.203	0.203	0.203	0.336	0.338	0.263	0.253	0.336	0.338	0.263	0.253
NR Band n12	Back Angle side	0.955	0.776	0.819	0.793	1.275	1.071	1.196	0.972	0.977	0.952	0.898	0.853
	Left side	0.272	0.264	0.272	0.159	0.449	0.408	0.345	0.338	0.336	0.303	0.232	0.233
	Right side	0.921	0.896	0.779	0.921	1.210	1.025	1.122	1.090	1.068	0.908	0.980	0.973
	Top side	1.298	1.292	1.298	1.136	1.514	1.501	1.501	1.483	1.352	1.345	1.339	1.327
	Front side	1.105	1.083	1.071	1.077	1.287	1.272	1.187	1.135	1.225	1.232	1.125	1.095
NR Band n25(2)	Back side	0.280	0.280	0.280	0.280	0.413	0.415	0.340	0.330	0.413	0.415	0.340	0.330
	Back Angle side	1.064	0.885	0.928	0.902	1.384	1.180	1.305	1.081	1.086	1.061	1.007	0.962
	Left side	0.396	0.388	0.396	0.283	0.573	0.532	0.469	0.462	0.460	0.427	0.356	0.357
	Right side	0.448	0.423	0.306	0.448	0.737	0.552	0.649	0.617	0.595	0.435	0.507	0.500
	Top side	0.742	0.736	0.742	0.580	0.958	0.945	0.945	0.927	0.796	0.789	0.783	0.771
NR Band n41(38)	Front side	0.773	0.751	0.739	0.745	0.955	0.940	0.855	0.803	0.893	0.900	0.793	0.763
	Back side	0.286	0.286	0.286	0.286	0.419	0.421	0.346	0.336	0.419	0.421	0.346	0.336
	Back Angle side	1.240	1.061	1.104	1.078	1.560	1.356	1.481	1.257	1.262	1.237	1.183	1.138
	Left side	0.204	0.196	0.204	0.091	0.381	0.340	0.277	0.270	0.268	0.235	0.164	0.165
	Right side	1.190	1.165	1.048	1.190	1.479	1.294	1.391	1.359	1.337	1.177	1.249	1.242
NR Band n48	Top side	1.324	1.318	1.324	1.162	1.540	1.527	1.527	1.509	1.378	1.371	1.365	1.353
	Front side	0.658	0.636	0.624	0.630	0.840	0.825	0.740	0.688	0.778	0.785	0.678	0.648
	Back side	0.619	0.619	0.619	0.619	0.752	0.754	0.679	0.669	0.752	0.754	0.679	0.669
	Back Angle side	1.178	0.999	1.042	1.016	1.498	1.294	1.419	1.195	1.200	1.175	1.121	1.076
	Left side	0.209	0.201	0.209	0.096	0.386	0.345	0.282	0.275	0.273	0.240	0.169	0.170
NR Band n48	Right side	1.282	1.257	1.140	1.282	1.571	1.386	1.483	1.451	1.429	1.269	1.341	1.334
	Top side	0.969	0.963	0.969	0.807	1.185	1.172	1.172	1.154	1.023	1.016	1.010	0.998
	Front side	0.752	0.730	0.718	0.724	0.934	0.919	0.834	0.782	0.872	0.879	0.772	0.742
	Back side	0.722	0.722	0.722	0.722	0.855	0.857	0.782	0.772	0.855	0.857	0.782	0.772
NR Band n48	Back Angle side	1.103	0.924	0.967	0.941	1.423	1.219	1.344	1.120	1.125	1.100	1.046	1.001
	Left side	0.261	0.253	0.261	0.148	0.438	0.397	0.334	0.327	0.325	0.292	0.221	0.222

	Right side	1.245	1.220	1.103	1.245	1.534	1.349	1.446	1.414	1.392	1.232	1.304	1.297
	Top side	1.006	1.000	1.006	0.844	1.222	1.209	1.209	1.191	1.060	1.053	1.047	1.035
NR Band n66	Front side	0.804	0.782	0.770	0.776	0.986	0.971	0.886	0.834	0.924	0.931	0.824	0.794
	Back side	0.075	0.075	0.075	0.075	0.208	0.210	0.135	0.125	0.208	0.210	0.135	0.125
	Back Angle side	0.839	0.660	0.703	0.677	1.159	0.955	1.080	0.856	0.861	0.836	0.782	0.737
	Left side	0.334	0.326	0.334	0.221	0.511	0.470	0.407	0.400	0.398	0.365	0.294	0.295
	Right side	1.114	1.089	0.972	1.114	1.403	1.218	1.315	1.283	1.261	1.101	1.173	1.166
	Top side	1.227	1.221	1.227	1.065	1.443	1.430	1.430	1.412	1.281	1.274	1.268	1.256
NR Band n71	Front side	1.063	1.041	1.029	1.035	1.245	1.230	1.145	1.093	1.183	1.190	1.083	1.053
	Back side	0.374	0.374	0.374	0.374	0.507	0.509	0.434	0.424	0.507	0.509	0.434	0.424
	Back Angle side	1.069	0.890	0.933	0.907	1.389	1.185	1.310	1.086	1.091	1.066	1.012	0.967
	Left side	0.323	0.315	0.323	0.210	0.500	0.459	0.396	0.389	0.387	0.354	0.283	0.284
	Right side	0.479	0.454	0.337	0.479	0.768	0.583	0.680	0.648	0.626	0.466	0.538	0.531
	Top side	0.819	0.813	0.819	0.657	1.035	1.022	1.022	1.004	0.873	0.866	0.860	0.848
SAR_NR Band n77(3450-3700) (N78)	Front side	0.554	0.532	0.520	0.526	0.736	0.721	0.636	0.584	0.674	0.681	0.574	0.544
	Back side	0.712	0.712	0.712	0.712	0.845	0.847	0.772	0.762	0.845	0.847	0.772	0.762
	Back Angle side	1.062	0.883	0.926	0.900	1.382	1.178	1.303	1.079	1.084	1.059	1.005	0.960
	Left side	0.312	0.304	0.312	0.199	0.489	0.448	0.385	0.378	0.376	0.343	0.272	0.273
	Right side	1.201	1.176	1.059	1.201	1.490	1.305	1.402	1.370	1.348	1.188	1.260	1.253
	Top side	1.067	1.061	1.067	0.905	1.283	1.270	1.270	1.252	1.121	1.114	1.108	1.096
SAR_NR Band n77(3700-3980) (N78)	Front side	0.593	0.571	0.559	0.565	0.775	0.760	0.675	0.623	0.713	0.720	0.613	0.583
	Back side	0.723	0.723	0.723	0.723	0.856	0.858	0.783	0.773	0.856	0.858	0.783	0.773
	Back Angle side	1.084	0.905	0.948	0.922	1.404	1.200	1.325	1.101	1.106	1.081	1.027	0.982
	Left side	0.268	0.260	0.268	0.155	0.445	0.404	0.341	0.334	0.332	0.299	0.228	0.229
	Right side	1.107	1.082	0.965	1.107	1.396	1.211	1.308	1.276	1.254	1.094	1.166	1.159
	Top side	1.021	1.015	1.021	0.859	1.237	1.224	1.224	1.206	1.075	1.068	1.062	1.050

ENDC		SARmax (W/kg)											
		LTE	NR	WiFi 2.4G Ant5(chain0)	WiFi 2.4G Ant6(chain1)	WiFi 2.4G MIMO	WiFi 5G Ant5(chain0)	WiFi 5G Ant6(chain1)	WiFi 5G MIMO	WiFi 6G Ant5(chain0)	WiFi 6G Ant6(chain1)	WiFi 6G MIMO	BT Ant5
		1	2	3	4	5	6	7	8	9	10	11	12
DC_5A_n77(3450-3700)A (DC_5A_n78A)	Front side	1.066	0.124	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.386	0.179	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.721	0.186	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.311	0.050	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.399	0.266	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.795	0.213	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
DC_5A_n77(3700-3980)A (DC_5A_n78A)	Front side	1.066	0.133	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.386	0.182	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.721	0.191	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.311	0.039	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.399	0.242	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.795	0.209	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
DC_7A_n78(3450-3700)A	Front side	0.311	0.124	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.139	0.179	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.591	0.186	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.160	0.050	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.578	0.266	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.807	0.213	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
DC_7A_n78(3700-3800)A	Front side	0.311	0.133	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.139	0.182	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.591	0.191	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025

	Left side	0.160	0.039	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.578	0.242	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.807	0.209	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
DC_12A_n77(3450-3700)A	Front side	1.008	0.124	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.372	0.179	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.748	0.186	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.342	0.050	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.377	0.266	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.625	0.213	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
DC_12A_n77(3700-3980)A	Front side	1.008	0.133	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.372	0.182	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.748	0.191	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.342	0.039	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.377	0.242	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.625	0.209	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
DC_41A_n77(3450-3700)A (DC_38A_n78A DC_41A_n78A)	Front side	0.473	0.124	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.491	0.179	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.679	0.186	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.076	0.050	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.807	0.266	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.239	0.213	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000
DC_41A_n77(3700-3980)A (DC_38A_n78A DC_41A_n78A)	Front side	0.473	0.133	0.028	0.034	0.040	0.182	0.000	0.189	0.057	0.025	0.052	0.000
	Back side	0.491	0.182	0.000	0.000	0.000	0.133	0.000	0.135	0.060	0.000	0.050	0.000
	Back Angle side	0.679	0.191	0.187	0.136	0.144	0.320	0.000	0.295	0.209	0.032	0.196	0.025
	Left side	0.076	0.039	0.113	0.000	0.105	0.177	0.000	0.144	0.073	0.000	0.074	0.000
	Right side	0.807	0.242	0.000	0.142	0.117	0.041	0.248	0.129	0.000	0.201	0.194	0.000
	Top side	0.239	0.209	0.162	0.000	0.156	0.216	0.000	0.209	0.203	0.000	0.191	0.000

ENDC		Summed SAR											
		1+2+3+4	1+2+5	1+2+3	1+2+4+12	1+2+3+4+6+7	1+2+5+8	1+2+3+4+9+10	1+2+5+11	1+2+6+7+12	1+2+8+12	1+2+9+10+12	1+2+11+12
DC_5A_n77(3450-3700)A (DC_5A_n78A)	Front side	1.252	1.230	1.218	1.224	1.434	1.419	1.334	1.282	1.372	1.379	1.272	1.242
	Back side	0.565	0.565	0.565	0.565	0.698	0.700	0.625	0.615	0.698	0.700	0.625	0.615
	Back Angle side	1.230	1.051	1.094	1.068	1.550	1.346	1.471	1.247	1.252	1.227	1.173	1.128
	Left side	0.474	0.466	0.474	0.361	0.651	0.610	0.547	0.540	0.538	0.505	0.434	0.435
	Right side	0.807	0.782	0.665	0.807	1.096	0.911	1.008	0.976	0.954	0.794	0.866	0.859
	Top side	1.170	1.164	1.170	1.008	1.386	1.373	1.373	1.355	1.224	1.217	1.211	1.199
DC_5A_n77(3700-3980)A (DC_5A_n78A)	Front side	1.261	1.239	1.227	1.233	1.443	1.428	1.343	1.291	1.381	1.388	1.281	1.251
	Back side	0.568	0.568	0.568	0.568	0.701	0.703	0.628	0.618	0.701	0.703	0.628	0.618
	Back Angle side	1.235	1.056	1.099	1.073	1.555	1.351	1.476	1.252	1.257	1.232	1.178	1.133
	Left side	0.463	0.455	0.463	0.350	0.640	0.599	0.536	0.529	0.527	0.494	0.423	0.424
	Right side	0.783	0.758	0.641	0.783	1.072	0.887	0.984	0.952	0.930	0.770	0.842	0.835
	Top side	1.166	1.160	1.166	1.004	1.382	1.369	1.369	1.351	1.220	1.213	1.207	1.195
DC_7A_n78(3450-3700)A	Front side	0.497	0.475	0.463	0.469	0.679	0.664	0.579	0.527	0.617	0.624	0.517	0.487
	Back side	0.318	0.318	0.318	0.318	0.451	0.453	0.378	0.368	0.451	0.453	0.378	0.368
	Back Angle side	1.100	0.921	0.964	0.938	1.420	1.216	1.341	1.117	1.122	1.097	1.043	0.998
	Left side	0.323	0.315	0.323	0.210	0.500	0.459	0.396	0.389	0.387	0.354	0.283	0.284
	Right side	0.986	0.961	0.844	0.986	1.275	1.090	1.187	1.155	1.133	0.973	1.045	1.038
	Top side	1.182	1.176	1.182	1.020	1.398	1.385	1.385	1.367	1.236	1.229	1.223	1.211
DC_7A_n78(3700-3800)A	Front side	0.506	0.484	0.472	0.478	0.688	0.673	0.588	0.536	0.626	0.633	0.526	0.496
	Back side	0.321	0.321	0.321	0.321	0.454	0.456	0.381	0.371	0.454	0.456	0.381	0.371
	Back Angle side	1.105	0.926	0.969	0.943	1.425	1.221	1.346	1.122	1.127	1.102	1.048	1.003

	Left side	0.312	0.304	0.312	0.199	0.489	0.448	0.385	0.378	0.376	0.343	0.272	0.273
	Right side	0.962	0.937	0.820	0.962	1.251	1.066	1.163	1.131	1.109	0.949	1.021	1.014
	Top side	1.178	1.172	1.178	1.016	1.394	1.381	1.381	1.363	1.232	1.225	1.219	1.207
DC_12A_n77(3450-3700)A	Front side	1.194	1.172	1.160	1.166	1.376	1.361	1.276	1.224	1.314	1.321	1.214	1.184
	Back side	0.551	0.551	0.551	0.551	0.684	0.686	0.611	0.601	0.684	0.686	0.611	0.601
	Back Angle side	1.257	1.078	1.121	1.095	1.577	1.373	1.498	1.274	1.279	1.254	1.200	1.155
	Left side	0.505	0.497	0.505	0.392	0.682	0.641	0.578	0.571	0.569	0.536	0.465	0.466
	Right side	0.785	0.760	0.643	0.785	1.074	0.889	0.986	0.954	0.932	0.772	0.844	0.837
	Top side	1.000	0.994	1.000	0.838	1.216	1.203	1.203	1.185	1.054	1.047	1.041	1.029
DC_12A_n77(3700-3980)A	Front side	1.203	1.181	1.169	1.175	1.385	1.370	1.285	1.233	1.323	1.330	1.223	1.193
	Back side	0.554	0.554	0.554	0.554	0.687	0.689	0.614	0.604	0.687	0.689	0.614	0.604
	Back Angle side	1.262	1.083	1.126	1.100	1.582	1.378	1.503	1.279	1.284	1.259	1.205	1.160
	Left side	0.494	0.486	0.494	0.381	0.671	0.630	0.567	0.560	0.558	0.525	0.454	0.455
	Right side	0.761	0.736	0.619	0.761	1.050	0.865	0.962	0.930	0.908	0.748	0.820	0.813
	Top side	0.996	0.990	0.996	0.834	1.212	1.199	1.199	1.181	1.050	1.043	1.037	1.025
DC_41A_n77(3450-3700)A (DC_38A_n78A DC_41A_n78A)	Front side	0.659	0.637	0.625	0.631	0.841	0.826	0.741	0.689	0.779	0.786	0.679	0.649
	Back side	0.670	0.670	0.670	0.670	0.803	0.805	0.730	0.720	0.803	0.805	0.730	0.720
	Back Angle side	1.188	1.009	1.052	1.026	1.508	1.304	1.429	1.205	1.210	1.185	1.131	1.086
	Left side	0.239	0.231	0.239	0.126	0.416	0.375	0.312	0.305	0.303	0.270	0.199	0.200
	Right side	1.215	1.190	1.073	1.215	1.504	1.319	1.416	1.384	1.362	1.202	1.274	1.267
	Top side	0.614	0.608	0.614	0.452	0.830	0.817	0.817	0.799	0.668	0.661	0.655	0.643
DC_41A_n77(3700-3980)A (DC_38A_n78A DC_41A_n78A)	Front side	0.668	0.646	0.634	0.640	0.850	0.835	0.750	0.698	0.788	0.795	0.688	0.658
	Back side	0.673	0.673	0.673	0.673	0.806	0.808	0.733	0.723	0.806	0.808	0.733	0.723
	Back Angle side	1.193	1.014	1.057	1.031	1.513	1.309	1.434	1.210	1.215	1.190	1.136	1.091
	Left side	0.228	0.220	0.228	0.115	0.405	0.364	0.301	0.294	0.292	0.259	0.188	0.189
	Right side	1.191	1.166	1.049	1.191	1.480	1.295	1.392	1.360	1.338	1.178	1.250	1.243
	Top side	0.610	0.604	0.610	0.448	0.826	0.813	0.813	0.795	0.664	0.657	0.651	0.639

Hotspot:

Test position		SARmax (W/kg)					Summed SAR			
		WWAN	WiFi 2.4G Ant5(chain0)	WiFi 2.4G Ant6(chain1)	WiFi 2.4G MIMO	BT Ant5				
		1	2	3	4	5	1+2+3	1+4	1+2	1+3+5
LTE Band 7	Front side	0.475	0.000	0.000	0.000	0.000	0.475	0.475	0.475	0.475
	Back side	0.163	0.000	0.000	0.000	0.000	0.163	0.163	0.163	0.163
	Back Angle side	0.680	0.145	0.125	0.084	0.004	0.950	0.764	0.825	0.809
	Left side	0.114	0.000	0.000	0.000	0.000	0.114	0.114	0.114	0.114
	Right side	0.466	0.000	0.106	0.000	0.000	0.572	0.466	0.466	0.572
	Top side	0.960	0.106	0.000	0.000	0.000	1.066	0.960	1.066	0.960
LTE Band 12(17)	Front side	0.286	0.000	0.000	0.000	0.000	0.286	0.286	0.286	0.286
	Back side	0.203	0.000	0.000	0.000	0.000	0.203	0.203	0.203	0.203
	Back Angle side	0.283	0.145	0.125	0.084	0.004	0.553	0.367	0.428	0.412
	Left side	0.200	0.000	0.000	0.000	0.000	0.200	0.200	0.200	0.200
	Right side	0.189	0.000	0.106	0.000	0.000	0.295	0.189	0.189	0.295
	Top side	0.171	0.106	0.000	0.000	0.000	0.277	0.171	0.277	0.171
LTE Band 13	Front side	0.283	0.000	0.000	0.000	0.000	0.283	0.283	0.283	0.283
	Back side	0.146	0.000	0.000	0.000	0.000	0.146	0.146	0.146	0.146
	Back Angle side	0.280	0.145	0.125	0.084	0.004	0.550	0.364	0.425	0.409
	Left side	0.190	0.000	0.000	0.000	0.000	0.190	0.190	0.190	0.190
	Right side	0.143	0.000	0.106	0.000	0.000	0.249	0.143	0.143	0.249
	Top side	0.191	0.106	0.000	0.000	0.000	0.297	0.191	0.297	0.191
LTE Band 14	Front side	0.242	0.000	0.000	0.000	0.000	0.242	0.242	0.242	0.242
	Back side	0.125	0.000	0.000	0.000	0.000	0.125	0.125	0.125	0.125
	Back Angle side	0.230	0.145	0.125	0.084	0.004	0.500	0.314	0.375	0.359
	Left side	0.188	0.000	0.000	0.000	0.000	0.188	0.188	0.188	0.188
	Right side	0.108	0.000	0.106	0.000	0.000	0.214	0.108	0.108	0.214
	Top side	0.231	0.106	0.000	0.000	0.000	0.337	0.231	0.337	0.231
LTE Band 25(2)	Front side	0.598	0.000	0.000	0.000	0.000	0.598	0.598	0.598	0.598
	Back side	0.096	0.000	0.000	0.000	0.000	0.096	0.096	0.096	0.096
	Back Angle side	0.592	0.145	0.125	0.084	0.004	0.862	0.676	0.737	0.721
	Left side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right side	0.446	0.000	0.106	0.000	0.000	0.552	0.446	0.446	0.552
	Top side	1.088	0.106	0.000	0.000	0.000	1.194	1.088	1.194	1.088
LTE Band 26(5)	Front side	0.383	0.000	0.000	0.000	0.000	0.383	0.383	0.383	0.383
	Back side	0.174	0.000	0.000	0.000	0.000	0.174	0.174	0.174	0.174
	Back Angle side	0.371	0.145	0.125	0.084	0.004	0.641	0.455	0.516	0.500
	Left side	0.196	0.000	0.000	0.000	0.000	0.196	0.196	0.196	0.196
	Right side	0.150	0.000	0.106	0.000	0.000	0.256	0.150	0.150	0.256
	Top side	0.236	0.106	0.000	0.000	0.000	0.342	0.236	0.342	0.236
LTE Band 41(38)	Front side	0.237	0.000	0.000	0.000	0.000	0.237	0.237	0.237	0.237
	Back side	0.113	0.000	0.000	0.000	0.000	0.113	0.113	0.113	0.113
	Back Angle side	0.435	0.145	0.125	0.084	0.004	0.705	0.519	0.580	0.564
	Left side	0.086	0.000	0.000	0.000	0.000	0.086	0.086	0.086	0.086
	Right side	0.205	0.000	0.106	0.000	0.000	0.311	0.205	0.205	0.311
	Top side	0.573	0.106	0.000	0.000	0.000	0.679	0.573	0.679	0.573
LTE Band 42	Front side	0.092	0.000	0.000	0.000	0.000	0.092	0.092	0.092	0.092
	Back side	0.535	0.000	0.000	0.000	0.000	0.535	0.535	0.535	0.535
	Back Angle side	0.627	0.145	0.125	0.084	0.004	0.897	0.711	0.772	0.756
	Left side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

	Right side	1.127	0.000	0.106	0.000	0.000	1.233	1.127	1.127	1.233
	Top side	0.225	0.106	0.000	0.000	0.000	0.331	0.225	0.331	0.225
LTE Band 43	Front side	0.147	0.000	0.000	0.000	0.000	0.147	0.147	0.147	0.147
	Back side	0.410	0.000	0.000	0.000	0.000	0.410	0.410	0.410	0.410
	Back Angle side	0.410	0.145	0.125	0.084	0.004	0.680	0.494	0.555	0.539
	Left side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right side	1.161	0.000	0.106	0.000	0.000	1.267	1.161	1.161	1.267
	Top side	1.161	0.106	0.000	0.000	0.000	1.267	1.161	1.267	1.161
LTE Band 48	Front side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Back side	0.429	0.000	0.000	0.000	0.000	0.429	0.429	0.429	0.429
	Back Angle side	0.607	0.145	0.125	0.084	0.004	0.877	0.691	0.752	0.736
	Left side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right side	1.040	0.000	0.106	0.000	0.000	1.146	1.040	1.040	1.146
	Top side	0.260	0.106	0.000	0.000	0.000	0.366	0.260	0.366	0.260
LTE Band 66(4)	Front side	0.530	0.000	0.000	0.000	0.000	0.530	0.530	0.530	0.530
	Back side	0.101	0.000	0.000	0.000	0.000	0.101	0.101	0.101	0.101
	Back Angle side	0.101	0.145	0.125	0.084	0.004	0.371	0.185	0.246	0.230
	Left side	0.112	0.000	0.000	0.000	0.000	0.112	0.112	0.112	0.112
	Right side	0.430	0.000	0.106	0.000	0.000	0.536	0.430	0.430	0.536
	Top side	0.643	0.106	0.000	0.000	0.000	0.749	0.643	0.749	0.643
LTE Band 71	Front side	0.259	0.000	0.000	0.000	0.000	0.259	0.259	0.259	0.259
	Back side	0.146	0.000	0.000	0.000	0.000	0.146	0.146	0.146	0.146
	Back Angle side	0.248	0.145	0.125	0.084	0.004	0.518	0.332	0.393	0.377
	Left side	0.106	0.000	0.000	0.000	0.000	0.106	0.106	0.106	0.106
	Right side	0.172	0.000	0.106	0.000	0.000	0.278	0.172	0.172	0.278
	Top side	0.143	0.106	0.000	0.000	0.000	0.249	0.143	0.249	0.143
NR Band n5	Front side	0.357	0.000	0.000	0.000	0.000	0.357	0.357	0.357	0.357
	Back side	0.152	0.000	0.000	0.000	0.000	0.152	0.152	0.152	0.152
	Back Angle side	0.335	0.145	0.125	0.084	0.004	0.605	0.419	0.480	0.464
	Left side	0.205	0.000	0.000	0.000	0.000	0.205	0.205	0.205	0.205
	Right side	0.166	0.000	0.106	0.000	0.000	0.272	0.166	0.166	0.272
	Top side	0.203	0.106	0.000	0.000	0.000	0.309	0.203	0.309	0.203
NR Band n7	Front side	0.388	0.000	0.000	0.000	0.000	0.388	0.388	0.388	0.388
	Back side	0.150	0.000	0.000	0.000	0.000	0.150	0.150	0.150	0.150
	Back Angle side	0.697	0.145	0.125	0.084	0.004	0.967	0.781	0.842	0.826
	Left side	0.102	0.000	0.000	0.000	0.000	0.102	0.102	0.102	0.102
	Right side	0.372	0.000	0.106	0.000	0.000	0.478	0.372	0.372	0.478
	Top side	1.073	0.106	0.000	0.000	0.000	1.179	1.073	1.179	1.073
NR Band n12	Front side	0.270	0.000	0.000	0.000	0.000	0.270	0.270	0.270	0.270
	Back side	0.136	0.000	0.000	0.000	0.000	0.136	0.136	0.136	0.136
	Back Angle side	0.228	0.145	0.125	0.084	0.004	0.498	0.312	0.373	0.357
	Left side	0.161	0.000	0.000	0.000	0.000	0.161	0.161	0.161	0.161
	Right side	0.155	0.000	0.106	0.000	0.000	0.261	0.155	0.155	0.261
	Top side	0.124	0.106	0.000	0.000	0.000	0.230	0.124	0.230	0.124
NR Band n25(2)	Front side	0.517	0.000	0.000	0.000	0.000	0.517	0.517	0.517	0.517
	Back side	0.199	0.000	0.000	0.000	0.000	0.199	0.199	0.199	0.199
	Back Angle side	0.495	0.145	0.125	0.084	0.004	0.765	0.579	0.640	0.624
	Left side	0.063	0.000	0.000	0.000	0.000	0.063	0.063	0.063	0.063
	Right side	0.456	0.000	0.106	0.000	0.000	0.562	0.456	0.456	0.562
	Top side	1.048	0.106	0.000	0.000	0.000	1.154	1.048	1.154	1.048
NR Band	Front side	0.216	0.000	0.000	0.000	0.000	0.216	0.216	0.216	0.216

n41(38)	Back side	0.296	0.000	0.000	0.000	0.000	0.296	0.296	0.296	0.296
	Back Angle side	0.452	0.145	0.125	0.084	0.004	0.722	0.536	0.597	0.581
	Left side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right side	0.573	0.000	0.106	0.000	0.000	0.679	0.573	0.573	0.679
	Top side	0.171	0.106	0.000	0.000	0.000	0.277	0.171	0.277	0.171
NR Band n48	Front side	0.085	0.000	0.000	0.000	0.000	0.085	0.085	0.085	0.085
	Back side	0.373	0.000	0.000	0.000	0.000	0.373	0.373	0.373	0.373
	Back Angle side	0.488	0.145	0.125	0.084	0.004	0.758	0.572	0.633	0.617
	Left side	0.053	0.000	0.000	0.000	0.000	0.053	0.053	0.053	0.053
	Right side	0.969	0.000	0.106	0.000	0.000	1.075	0.969	0.969	1.075
NR Band n66	Top side	0.190	0.106	0.000	0.000	0.000	0.296	0.190	0.296	0.190
	Front side	0.396	0.000	0.000	0.000	0.000	0.396	0.396	0.396	0.396
	Back side	0.075	0.000	0.000	0.000	0.000	0.075	0.075	0.075	0.075
	Back Angle side	0.337	0.145	0.125	0.084	0.004	0.607	0.421	0.482	0.466
	Left side	0.355	0.000	0.000	0.000	0.000	0.355	0.355	0.355	0.355
NR Band n71	Right side	0.162	0.000	0.106	0.000	0.000	0.268	0.162	0.162	0.268
	Top side	0.543	0.106	0.000	0.000	0.000	0.649	0.543	0.649	0.543
	Front side	0.267	0.000	0.000	0.000	0.000	0.267	0.267	0.267	0.267
	Back side	0.147	0.000	0.000	0.000	0.000	0.147	0.147	0.147	0.147
	Back Angle side	0.264	0.145	0.125	0.084	0.004	0.534	0.348	0.409	0.393
SAR_NR Band n77(3450-3700) (N78)	Left side	0.122	0.000	0.000	0.000	0.000	0.122	0.122	0.122	0.122
	Right side	0.160	0.000	0.106	0.000	0.000	0.266	0.160	0.160	0.266
	Top side	0.164	0.106	0.000	0.000	0.000	0.270	0.164	0.270	0.164
	Front side	0.098	0.000	0.000	0.000	0.000	0.098	0.098	0.098	0.098
	Back side	0.530	0.000	0.000	0.000	0.000	0.530	0.530	0.530	0.530
SAR_NR Band n77(3700-3980) (N78)	Back Angle side	0.624	0.145	0.125	0.084	0.004	0.894	0.708	0.769	0.753
	Left side	0.048	0.000	0.000	0.000	0.000	0.048	0.048	0.048	0.048
	Right side	1.003	0.000	0.106	0.000	0.000	1.109	1.003	1.003	1.109
	Top side	0.160	0.106	0.000	0.000	0.000	0.266	0.160	0.266	0.160
	Front side	0.153	0.000	0.000	0.000	0.000	0.153	0.153	0.153	0.153
SAR_NR Band n77(3700-3980) (N78)	Back side	0.318	0.000	0.000	0.000	0.000	0.318	0.318	0.318	0.318
	Back Angle side	0.633	0.145	0.125	0.084	0.004	0.903	0.717	0.778	0.762
	Left side	0.068	0.000	0.000	0.000	0.000	0.068	0.068	0.068	0.068
	Right side	0.985	0.000	0.106	0.000	0.000	1.091	0.985	0.985	1.091
	Top side	0.220	0.106	0.000	0.000	0.000	0.326	0.220	0.326	0.220

ENDC		SARmax (W/kg)						Summed SAR			
		LTE	NR	WiFi 2.4G Ant5(chain0)	WiFi 2.4G Ant6(chain1)	WiFi 2.4G MIMO	BT Ant5				
		1	2	3	4	5	6	1+2+3+4	1+2+5	1+2+3	1+2+4+6
DC_5A_n77(3450-3700)A (DC_5A_n78A)	Front side	0.383	0.098	0.000	0.000	0.000	0.000	0.481	0.481	0.481	0.481
	Back side	0.174	0.530	0.000	0.000	0.000	0.000	0.704	0.704	0.704	0.704
	Back Angle side	0.371	0.624	0.145	0.125	0.084	0.004	1.265	1.079	1.140	1.124
	Left side	0.196	0.048	0.000	0.000	0.000	0.000	0.244	0.244	0.244	0.244
	Right side	0.150	1.003	0.000	0.106	0.000	0.000	1.259	1.153	1.153	1.259
DC_5A_n77(3700-3980)A (DC_5A_n78A)	Top side	0.236	0.160	0.106	0.000	0.000	0.000	0.502	0.396	0.502	0.396
	Front side	0.383	0.153	0.000	0.000	0.000	0.000	0.536	0.536	0.536	0.536
	Back side	0.174	0.318	0.000	0.000	0.000	0.000	0.492	0.492	0.492	0.492
	Back Angle side	0.371	0.633	0.145	0.125	0.084	0.004	1.274	1.088	1.149	1.133
	Left side	0.196	0.068	0.000	0.000	0.000	0.000	0.264	0.264	0.264	0.264
	Right side	0.150	0.985	0.000	0.106	0.000	0.000	1.241	1.135	1.135	1.241

	Top side	0.236	0.220	0.106	0.000	0.000	0.000	0.562	0.456	0.562	0.456
DC_7A_n78(3450-3700)A	Front side	0.475	0.098	0.000	0.000	0.000	0.000	0.573	0.573	0.573	0.573
	Back side	0.163	0.530	0.000	0.000	0.000	0.000	0.693	0.693	0.693	0.693
	Back Angle side	0.680	0.624	0.145	0.125	0.084	0.004	1.574	1.388	1.449	1.433
	Left side	0.114	0.048	0.000	0.000	0.000	0.000	0.162	0.162	0.162	0.162
	Right side	0.466	1.003	0.000	0.106	0.000	0.000	1.575	1.469	1.469	1.575
	Top side	0.960	0.160	0.106	0.000	0.000	0.000	1.226	1.120	1.226	1.120
DC_7A_n78(3700-3800)A	Front side	0.475	0.153	0.000	0.000	0.000	0.000	0.628	0.628	0.628	0.628
	Back side	0.163	0.318	0.000	0.000	0.000	0.000	0.481	0.481	0.481	0.481
	Back Angle side	0.680	0.633	0.145	0.125	0.084	0.004	1.583	1.397	1.458	1.442
	Left side	0.114	0.068	0.000	0.000	0.000	0.000	0.182	0.182	0.182	0.182
	Right side	0.466	0.985	0.000	0.106	0.000	0.000	1.557	1.451	1.451	1.557
	Top side	0.960	0.220	0.106	0.000	0.000	0.000	1.286	1.180	1.286	1.180
DC_12A_n77(3450-3700)A	Front side	0.286	0.098	0.000	0.000	0.000	0.000	0.384	0.384	0.384	0.384
	Back side	0.203	0.530	0.000	0.000	0.000	0.000	0.733	0.733	0.733	0.733
	Back Angle side	0.283	0.624	0.145	0.125	0.084	0.004	1.177	0.991	1.052	1.036
	Left side	0.200	0.048	0.000	0.000	0.000	0.000	0.248	0.248	0.248	0.248
	Right side	0.189	1.003	0.000	0.106	0.000	0.000	1.298	1.192	1.192	1.298
	Top side	0.171	0.160	0.106	0.000	0.000	0.000	0.437	0.331	0.437	0.331
DC_12A_n77(3700-3980)A	Front side	0.286	0.153	0.000	0.000	0.000	0.000	0.439	0.439	0.439	0.439
	Back side	0.203	0.318	0.000	0.000	0.000	0.000	0.521	0.521	0.521	0.521
	Back Angle side	0.283	0.633	0.145	0.125	0.084	0.004	1.186	1.000	1.061	1.045
	Left side	0.200	0.068	0.000	0.000	0.000	0.000	0.268	0.268	0.268	0.268
	Right side	0.189	0.985	0.000	0.106	0.000	0.000	1.280	1.174	1.174	1.280
	Top side	0.171	0.220	0.106	0.000	0.000	0.000	0.497	0.391	0.497	0.391
DC_41A_n77(3450-3700)A (DC_38A_n78A DC_41A_n78A)	Front side	0.237	0.098	0.000	0.000	0.000	0.000	0.335	0.335	0.335	0.335
	Back side	0.113	0.530	0.000	0.000	0.000	0.000	0.643	0.643	0.643	0.643
	Back Angle side	0.435	0.624	0.145	0.125	0.084	0.004	1.329	1.143	1.204	1.188
	Left side	0.086	0.048	0.000	0.000	0.000	0.000	0.134	0.134	0.134	0.134
	Right side	0.205	1.003	0.000	0.106	0.000	0.000	1.314	1.208	1.208	1.314
	Top side	0.573	0.160	0.106	0.000	0.000	0.000	0.839	0.733	0.839	0.733
DC_41A_n77(3700-3980)A (DC_38A_n78A DC_41A_n78A)	Front side	0.237	0.000	0.000	0.000	0.000	0.000	0.237	0.237	0.237	0.237
	Back side	0.113	0.318	0.000	0.000	0.000	0.000	0.431	0.431	0.431	0.431
	Back Angle side	0.435	0.633	0.145	0.125	0.084	0.004	1.338	1.152	1.213	1.197
	Left side	0.086	0.068	0.000	0.000	0.000	0.000	0.154	0.154	0.154	0.154
	Right side	0.205	0.985	0.000	0.106	0.000	0.000	1.296	1.190	1.190	1.296
	Top side	0.573	0.220	0.106	0.000	0.000	0.000	0.899	0.793	0.899	0.793

12 Equipment list

Test Platform		SPEAG DASY Professional				
Software Reference		DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)				
		cDASY8 V16.4.0.5005				
Hardware Reference						
Equipment		Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration
☒	Test Phantom	SPEAG	SAM7	1702	NCR	NCR
☒	Test Phantom	SPEAG	Twin-SAM V8.0	2103	NCR	NCR
☒	Test Phantom	SPEAG	ELI V5.0	1239	NCR	NCR
☒	Test Phantom	SPEAG	mmWave	1777	NCR	NCR
☒	DAE	SPEAG	DAE4	1740	2025-02-17	2026-02-16
☒	DAE	SPEAG	DAE4ip	1826	2025-02-17	2026-02-16
☒	E-Field Probe	SPEAG	EX3DV4	3982	2025-11-07	2026-11-06
☒	E-Field Probe	SPEAG	EX3DV4	7735	2025-01-29	2026-01-28
☒	E-U Probe	SPEAG	EUmmWV4	9718	2025-08-04	2026-08-03
☒	Validation Kits	SPEAG	CLA13	1032	2023-02-09	2026-02-08
☒	Validation Kits	SPEAG	D750V3	1214	2025-04-01	2028-03-31
☒	Validation Kits	SPEAG	D835V2	4d161	2023-08-25	2026-08-24
☒	Validation Kits	SPEAG	D1750V2	1105	2023-11-03	2026-11-02
☒	Validation Kits	SPEAG	D1950V3	1218	2023-05-04	2026-05-03
☒	Validation Kits	SPEAG	D2450V2	922	2023-08-28	2026-08-27
☒	Validation Kits	SPEAG	D2600V2	1158	2025-03-31	2028-03-30
☒	Validation Kits	SPEAG	D3500V2	1067	2025-01-16	2028-01-15
☒	Validation Kits	SPEAG	D3700V2	1108	2025-04-01	2028-03-31
☒	Validation Kits	SPEAG	D3900V2	1083	2025-03-31	2028-03-30
☒	Validation Kits	SPEAG	D5GHzV2	1174	2023-08-23	2026-08-22
☒	Validation Kits	SPEAG	D6.5GHzV2	1030	2025-02-13	2028-02-12
☒	5G Verification Source	SPEAG	10GHz	2004	2024-08-20	2027-08-19
☒	Dielectric parameter probes	SPEAG	DAKS-3.5	1120	2025-08-25	2026-08-24
☒	Vector Network Analyzer and Vector Reflectometer	SPEAG	DAKS_VNA R140	50920	2025-08-25	2026-08-24
☒	Dielectric parameter probes	SPEAG	DAKS-12	1043	2025-09-22	2026-09-21
☒	Vector Network Analyzer and Vector Reflectometer	SPEAG	DAKS_VNA R60	21423005	2025-09-22	2026-09-21
☒	Universal Radio Communication Tester	R&S	CMW500	111637	2025-09-03	2026-09-02
☒	RF Bi-Directional Coupler	Agilent	86205-60001	MY31400031	NCR	NCR
☒	Signal Generator	R&S	SMB100A	182393	2025-02-05	2026-02-04
☒	Preamplifier	Qiji	YX28980933	202104001	NCR	NCR
☒	Preamplifier	Qiji	YX28982108	K2110F01	NCR	NCR
☒	USB Average Power Sensor	Keysight	U2002H	MY5639004	2025-09-10	2026-09-09
☒	USB Average Power	Agilent	U2002H	MY48200110	2025-11-20	2026-11-19

	Sensor					
☒	USB Power Sensor	KEYSIGHT	U8481A	MZ52460001	2025-06-16	2026-06-14
☒	USB Power Sensor	KEYSIGHT	U8481A	MZ52460007	2025-06-16	2026-06-14
☒	Attenuator	SHX	TS2-3dB	30704	NCR	NCR
☒	Coaxial low pass filter	Mini-Circuits	VLF-2500(+)	NA	NCR	NCR
☒	Coaxial low pass filter	Microlab Fxr	LA-F13	NA	NCR	NCR
☒	DC POWER SUPPLY	SAKO	SK1730SL5A	NA	NCR	NCR
☒	Speed reading thermometer	LKM	DTM3000	NA	2025-09-16	2026-09-15
☒	Humidity and Temperature Indicator	MingGao	MingGao	NA	2025-09-16	2026-09-15
☒	Humidity and Temperature Indicator	ASONE	THA-02L	2201-1017	2025-09-18	2026-09-17

Note: All the equipment are within the valid period when the tests are performed.

13 Calibration certificate

Please see the Appendix C

14 Photographs

Please see the Appendix D

Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

Appendix E: Conducted RF Output Power

--- End of report ---