

FCC SAR Compliance Test Report

For

INFINIX MOBILITY LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET

FOTAN NT HONGKONG

Model: X6873

Test Engineer: Zeng Longhao

Report Number: WSCT-ANAB-R&E250100001A-SAR

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Modified History

REV.	Modification Description	Issued Date	Remark
REV.1.0	Initial Test Report Release	26 March 2025	Li Huaibi

1 General information

1.1 Notes

The test results of this test report relate exclusively to the test item specified in this test report. Shenzhen Timeway Testing Laboratories does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report is not to be reproduced or published in full without the prior written permission.

1.2 Application details

Date of receipt of test item: 2025-01-05
Start of test: 2025-01-07
End of test: 2025-03-25

1.3 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for X6873 is as below:

Band	Position Test Points	MAX Reported SAR _{1g} (W/kg)
GSM850	Head	0.405
	Body & Hotspot 10mm	1.097
GSM1900	Head	0.422
	Body & Hotspot 10mm	0.289
UMTS Band 2	Head	0.567
	Body & Hotspot 10mm	0.096
UMTS Band 4	Head	0.636
	Body & Hotspot 10mm	0.123
UMTS Band 5	Head	0.827
	Body & Hotspot 10mm	0.910
LTE Band 2	Head	0.668
	Body & Hotspot 10mm	0.124
LTE Band 4	Head	0.693
	Body & Hotspot 10mm	0.116
LTE Band 5	Head	0.704
	Body & Hotspot 10mm	0.632
LTE Band 7	Head	0.774
	Body & Hotspot 10mm	0.103
LTE Band 12	Head	0.206
	Body & Hotspot 10mm	0.199
LTE Band 17	Head	0.234
	Body & Hotspot 10mm	0.247
LTE Band 38	Head	0.461
	Body & Hotspot 10mm	0.060
LTE Band 41	Head	0.455
	Body & Hotspot 10mm	0.077
LTE Band 42	Head	0.902
	Body & Hotspot 10mm	0.249
LTE Band 66	Head	0.706
	Body & Hotspot 10mm	0.135
NR n5	Head	0.679
	Body & Hotspot 10mm	0.437
NR n7	Head	0.431
	Body & Hotspot 10mm	0.049
NR n12	Head	0.291
	Body & Hotspot 10mm	0.376
NR n38	Head	0.476
	Body & Hotspot 10mm	0.094
NR n41	Head	0.385
	Body & Hotspot 10mm	0.069
NR n66	Head	0.123
	Body & Hotspot 10mm	0.057
NR n71	Head	0.328
	Body & Hotspot 10mm	0.479

NR n77	Head	0.198
	Body & Hotspot 10mm	0.239
NR n77	Head	0.323
	Body & Hotspot 10mm	0.099
NR n77	Head	0.487
	Body & Hotspot 10mm	0.142
NR n78	Head	0.265
	Body & Hotspot 10mm	0.052
NR n78	Head	0.386
	Body & Hotspot 10mm	0.180
NR n78	Head	0.488
	Body & Hotspot 10mm	0.248
2-n7	Head	0.877
	Body & Hotspot 10mm	0.271
2-n66	Head	0.809
	Body & Hotspot 10mm	0.245
2-n78	Head	0.803
	Body & Hotspot 10mm	0.255
4-n7	Head	0.267
	Body & Hotspot 10mm	0.265
4-n41	Head	0.489
	Body & Hotspot 10mm	0.417
4-n78	Head	0.696
	Body & Hotspot 10mm	0.182
5-n7	Head	0.808
	Body & Hotspot 10mm	0.618
5-n38	Head	0.336
	Body & Hotspot 10mm	0.225
5-n41	Head	0.565
	Body & Hotspot 10mm	0.262
5-n66	Head	0.324
	Body & Hotspot 10mm	0.324
5-n77	Head	0.506
	Body & Hotspot 10mm	0.302
5-n78	Head	0.284
	Body & Hotspot 10mm	0.236
7-n7	Head	0.366
	Body & Hotspot 10mm	0.359
7-n66	Head	0.864
	Body & Hotspot 10mm	0.421
7-n77	Head	0.813
	Body & Hotspot 10mm	0.273
7-n78	Head	0.882
	Body & Hotspot 10mm	0.232
38-n78	Head	0.333
	Body & Hotspot 10mm	0.059
41-n41	Head	0.309
	Body & Hotspot 10mm	0.118
41-n77	Head	0.318
	Body & Hotspot 10mm	0.097
41-n78	Head	0.325
	Body & Hotspot 10mm	0.058

66-n7	Head	0.305
	Body & Hotspot 10mm	0.163
66-n38	Head	0.669
	Body & Hotspot 10mm	0.172
66-n41	Head	0.679
	Body & Hotspot 10mm	0.072
66-n66	Head	0.682
	Body & Hotspot 10mm	0.121
66-n77	Head	0.724
	Body & Hotspot 10mm	0.113
66-n78	Head	0.423
	Body & Hotspot 10mm	0.081
WIFI5G Band1	Head	0.052
	Body & Hotspot 10mm	0.064
WIFI5G Band2	Head	0.052
	Body & Hotspot 10mm	0.094
WIFI5G Band3	Head	0.092
	Body & Hotspot 10mm	0.115
WIFI5G Band4	Head	0.076
	Body & Hotspot 10mm	0.108
BT	Head	0.135
	Body & Hotspot 10mm	0.064
Wi-Fi 2.4G	Head	0.129
	Body & Hotspot 10mm	0.053
Maximum Max. SAR Level(s) Measured: (Limit: 1.6W/Kg):	LTE Band 42	0.902W/kg1gHeadTissue
	Wi-Fi 2.4G	0.129W/kg1gHeadTissue
	GSM850	1.097W/kg1gBodyTissue
	Wi-Fi 2.4G	0.053W/kg1gBodyTissue
The Head highest simultaneous SAR :		1.031W/kg1gHeadTissue
The Body highest simultaneous SAR :		1.150W/kg1gBodyTissue

The device is in compliance with Specific Absorption Rate (SAR) for general population/uncontraolled exposure limits of 1.6 W/Kg as averaged over any 1g tissue according to the FCC rule the ANSI/IEEE C95.1:2005, the NCRP Report Number 86 for uncontrolled environment, according to the Industry Canada Radio Standards Specification RSS-102 for General Population/Uncontrolled exposure, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013.

1.4 EUT Information

Device Information:	
Product Type:	Mobile Phone
Model:	X6873
Trade Name:	Infinix
Device Type:	Portable device
Exposure Category:	uncontrolled environment / general population
Production Unit or Identical Prototype:	Production Unit
Antenna Type :	Integral Antenna
Device Operating Configurations:	
Supporting Mode(s) :	GSM/GPRS/EGPRS 850/1900 MHz WCDMA/HSDPA/HSUPA Band 2/4/5 FDD LTE Band 2/4/5/7/12/17/66 TDD LTE Band 38/41/42 FDD NR Band 5/7/12/66/71 TDD NR Band 38/41/77/78 NSA(EN-DC): DC_2A_n7A, DC_2A_n66A, DC_2A_n78A, DC_4A_n7A, DC_4A_n41A, DC_4A_n78A, DC_5A_n7A, DC_5A_n38A, DC_5A_n41A, DC_5A_n66A, DC_5A_n77A, DC_5A_n78A, DC_7A_n7A, DC_7A_n66A, DC_7A_n77A, DC_7A_n78A, DC_38A_n78A DC_41A_n41A, DC_41A_n77A, DC_41A_n78A, DC_66A_n7A, DC_66A_n38A, DC_66A_n41A, DC_66A_n66A, DC_66A_n77A, DC_66A_n78A
Modulation:	GSM/GPRS: GMSK EGPRS: 8PSK WCDMA: QPSK HSDPA/HSUPA: QPSK /16QAM LTE: QPSK/16QAM/64QAM NR: BPSK/ QPSK/16QAM/64QAM/256QAM
Device Class :	Class B, No DTM Mode

Operating Frequency Range(s)

Band	TX(MHz)	RX(MHz)
GSM850	824~849	869~894
GSM1900	1850~1910	1930~1990
UMTS Band 2	1850~1910	1930~1990
UMTS Band 4	1710~1755	2110~2155
UMTS Band 5	824~849	869~894
LTE Band 2	1850~1910	1930~1990
LTE Band 4	1710~1755	2110~2155
LTE Band 5	824~849	869~894
LTE Band 7	2500~2570	2620~2690
LTE Band 12	699~716	729~746
LTE Band 17	704~716	734~746
LTE Band38	2570~2620	2570~2620
LTE Band 41	2496~2690	2496~2690
LTE Band 42	3450~3550	3450~3550
LTE Band 66	1710~1780	2110~2200
NR Band 5	824~849	869~894
NR Band 7	2500~2570	2620~2690
NR Band 12	699~716	729~746
NR Band 38	2570~2620	2570~2620
NR Band 41	2496~2690	2496~2690
NR Band 66	1710~1780	2110~2200
NR Band 71	663~698	617~652
NR Band 77	3450~3550	3450~3550
NR Band 77	3700~3980	3700~3980
NR Band 78	3450~3550	3450~3550
NR Band 78	3700~3800	3700~3800
Wi-Fi (2.4G)	2412-2462	
Wi-Fi (5G)	5180-5240	5180-5240
	5260-5320	5260-5320
	5500-5700	5500-5700
	5745-5825	5745-5825
BT	2402~2480	
NFC	13.553-13.567	

Antenna gain:	GSM 850/WCDMA B5/LTE B5/NR N5: -5.2dbi PCS 1900/WCDMA B2/LTE B2: -2.7dbi WCDMA B4/LTE B4/ LTE B66/NR N66: 1.7dbi LTE B7/ LTE B38/ LTE B41/ NR N7/ NR N38/ NR N41:-0.8dbi LTE B12/LTE B17/NR N12:-6.3dbi NR N71:-10.5dbi LTE B42/NR 77/NR 78:0.42dBi
Radiated Power (EIRP/ERP) Limit	GSM 850/WCDMA B5/LTE B5/NR N5: 7.00W(38.45dBm) PCS 1900/WCDMA B2/LTE B2:2.00W(33.01dBm) WCDMA B4/LTE B4/ LTE B66/NR N66: 1.00W(30.00dBm) LTE B7/LTE B38/LTE B41/NR N7/NR N38/NR N41: 2.00W(33.01dBm) LTE B12/B17/NR N12/NR N71: 3.00W(34.77dBm) LTE B42/NR 77/NR 78: 1.00W(30.00dBm)
Power Source:	Rechargeable Li-ion Polymer Battery: BL-55AX Rated Voltage: 3.91V Rated Capacity: 5350mAh/20.92Wh Typical Capacity: 5500mAh/21.51Wh Limited Charge Voltage: 4.50V

Note:1:The test results of this test report relate exclusively to the test item specified in this test report. World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report is not to be reproduced or published in full without the prior written permission.

2: For NFC evaluation, it is not necessary to test NFC because its power is very low

2 Testing laboratory

Test Site	World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.
Laboratory A:	Building A-B, Baoli'an Industrial Park, No.58 and 60, Tangtou Avenue, Shiyao Street, Bao'an District, Shenzhen City, Guangdong Province, China
Laboratory B:	Building J-7F and Building D, Dongjiang Science & Technology Park, Tangjia Community, Fenghuang Street, Guangming District, Shenzhen City, Guangdong Province, China

3 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

CBTL	IECEE (international Electrotechnical Commiss, The certificate registration number is TL672)	Laboratory A ☐
		Laboratory B ☐
China	CNAS (The certificated registration number: L3732)	Laboratory A ☐
		Laboratory B ☐
USA	A2LA (The certificated registration number: 5768.01)	Laboratory A ☐
		Laboratory B ☐
USA	ANAB (The certificated registration number: AT-3951)	Laboratory A ☒
		Laboratory B ☐

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.wsct-cert.com>

4 Test Environment

	Required	Actual
Ambient temperature:	18 – 25 °C	22 ± 2 °C
Tissue Simulating liquid:	22 ± 2 °C	22 ± 2 °C
Relative humidity content:	30 – 70 %	30 – 70 %

5 Applicant and Manufacturer

Applicant/Client Name:	INFINIX MOBILITY LIMITED
Applicant Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer Name:	INFINIX MOBILITY LIMITED
Manufacturer Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

6 Test standard/s:

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	IEC/IEEE 62209-1528	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate in the Human Head from Wireless Communications Devices: Measurement Techniques
3	KDB447498 D04	Interim General RF Exposure Guidance v01
4	KDB865664 D01	SAR measurement 100MHz to 6GHz v01r04
5	KDB865664 D02	RF Exposure Reporting v01r02
6	KDB941225 D01	3G SAR Procedures v03r01
7	KDB941225 D05	SAR for LTE Devices v02r05
8	KDB248227 D01	802.11 Wi-Fi SAR v02r02
9	KDB941225 D06	Hotspot Mode v02r01
10	KDB648474 D04	Handset SAR v01r03
11	KDB690783 D01	SAR Listings on Grant v01r03

6.1 RF exposure limits

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

The limit applied in this test report is shown in bold letters

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.

6.2 SAR Definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dW) absorbed by(dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ).

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

SAR is expressed in units of watts per kilogram (W/kg). SAR can be related to the electric field at a point by

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

where:

σ = conductivity of the tissue (S/m)

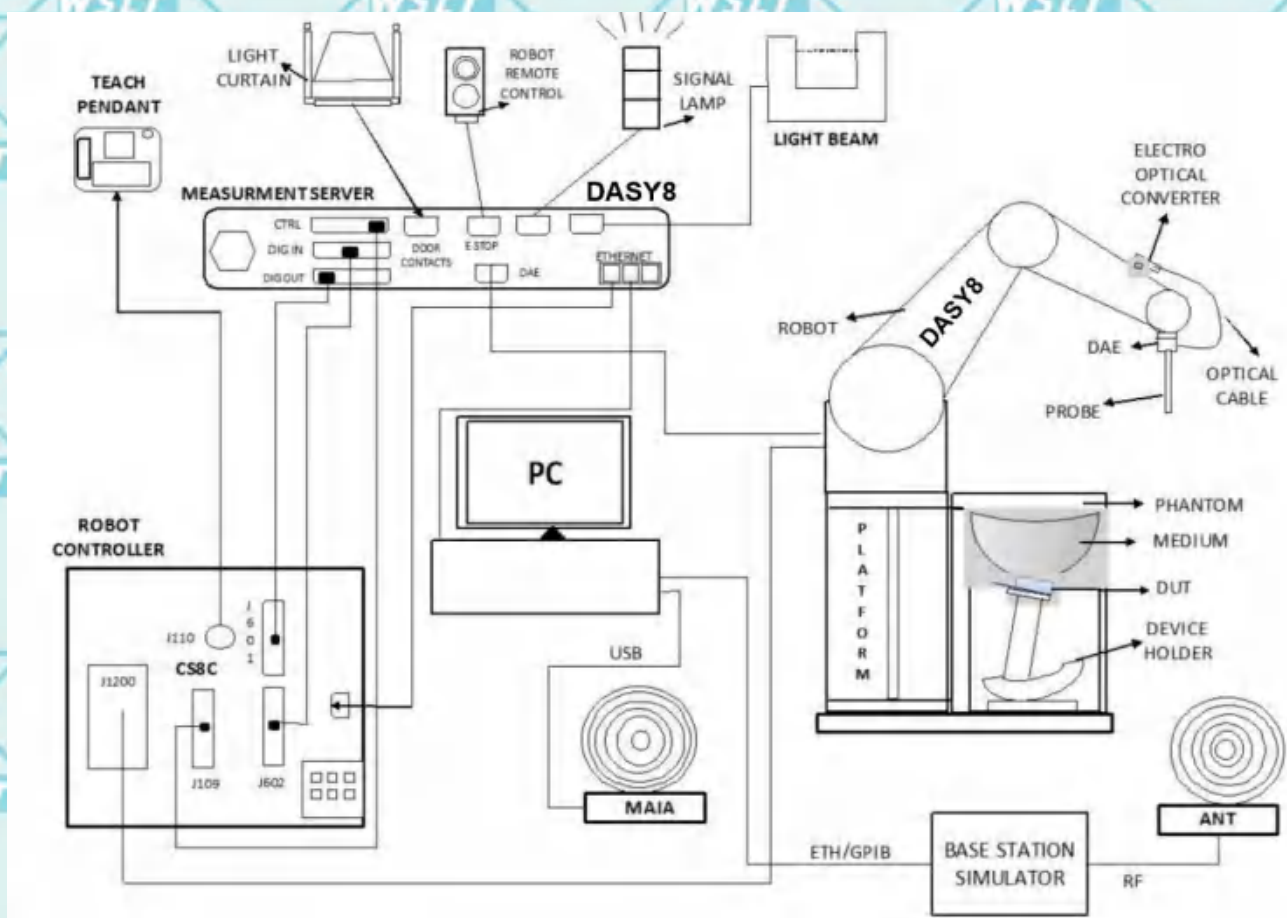
ρ = mass density of the tissue (kg/m³)

E = rms electric field strength (V/m)

7 SAR Measurement System

7.1 The Measurement System

DASY8 is a flexible, high-precision near-field scanner optimized for automated measurements in free-space and tissue simulating liquids (TSL), using the most advanced probes covering the frequency range from 3 kHz to 110 GHz. The software enables point, area, and volume measurements and conformal scanning of complex geometries.



The DASY8 SAR module consists of an isotropic dosimetric probe (SAR) mounted on the TX2 precision robot, which allows field scanning inside anthropomorphic phantoms filled with tissue-simulating liquids. The probes are miniaturized, sensitive, isotropic, linear, stable and calibrated with precise boundary compensation. The spatial accuracy of probe positioning within the phantom is better than 0.2 mm. Scanning is optimized and adaptive to the induced field. The spatial SAR peak is determined without reconstruction.

7.2 Robot

The DASY8 system uses the high-precision industrial robots TX2-60L and TX2-90XL from Stäubli SA (France). The TX2 family of robots provides the ideal combination of speed, rigidity, size, and precision:

- High precision (repeatability 0.03 mm)
- High reliability and low maintenance costs (industrial design)
- ELF interference (motor control fields are shielded by the closed metallic construction)
- Hygienic encapsulated 6-axis arm enabled by a hollow shaft gearbox, no external cables.



7.3 Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

For the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7895&7391 with following specifications is used



Frequency: 4MHz – 10GHz ;

Linearity: $\pm 0.2\text{dB}$ (30MHz – 10GHz)

Dynamic Range: $10\mu\text{W/g}$ – 100 mW/g

Linearity: $\pm 0.2\text{dB}$ (noise: typically $<1\mu\text{W/g}$)

Directivity (typical): $\pm 0.1\text{ dB}$ in TSL (rotation around probe axis)
 $\pm 0.3\text{ dB}$ in TSL (rotation normal to probe axis)

Sensor Arrangement	Triangular
Connector Angle	46.9°
Probe Overall Length	337mm
Probe Body Diameter	10mm
Tip Length	9mm
Tip Diameter	2.5mm
Probe Tip to Sensor X Calibration Point	1mm
Probe Tip to Sensor Y Calibration Point	1mm
Probe Tip to Sensor Z Calibration Point	1mm
Recommended Measurement Distance from Surface	1.4mm

7.4 DAE

DAE4ip– Data Acquisition Electronics 4 with Integrated Power

Data Acquisition Electronics 4 with an integrated power supply for time unlimited measurements.

Performance:

- Measurement range: -100—+300 mV (16-bit resolution and two range settings: 4 mV, 400 mV)
- Input offset voltage: <5 μ V (with auto zero)
- Input resistance: 200M Ω m
- Input bias current: <50 fA
- Power supply: integrated (from the DASY8 measurement server)
- Dimensions(L × W × H): 60×60×68 mm
- Calibration: ISO/IEC 17025 calibration service available.



7.5 Phantom

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEC/IEEE 62209-1528. It enables the dosimetric evaluation of left—and right-hand phone usage as well as body-mounted usage at the flat phantom region. A cover prevents the liquid from evaporating. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.



Material	Vinyl ester, fiberglass reinforced (VE-GF)
Liquid Compatibility	The phantom shell is compatible with SPEAG's tissue-simulating liquids (sugar and oil-based). However, using other liquids may render the phantom warranty void (see note or consult SPEAG support).
Shell Thickness	$2 \pm 0.2\text{mm}$ ($6 \pm 0.2\text{mm}$ at ear point)
Dimensions (incl. Wooden Support)	Length: 1000 mm Width: 500 mm Height: adjustable feet
Filling Volume	approx. 25 liters
Support	DASY6/8: standard-size platform slot DASY52 stand-alone: SPEAG standard phantom table
Accessories	Mounting Device and Adaptors

7.6 Device Holder

The DASY instrument holder is designed to accommodate the various positions specified in the standard. It has two scales for instrument rotation (with respect to the body axis) and instrument tilt (with respect to the line between the ear reference points). The center of rotation for both scales is the Ear Reference Point (ERP). This eliminates the need to reposition the instrument when changing angles.

The DASY instrument holder is made of low-loss POM material with the following dielectric parameters: relative permittivity $\epsilon=3$ and loss tangent $\delta=0.02$. The amount of dielectric material in the immediate vicinity of the device was reduced because measurements indicated that the influence of the clamp on the test results could be reduced.



Device holder

The positioning system allows obtaining cheek and tilting position with a very good accuracy. In compliance with CENELEC, the tilt angle uncertainty is lower than 1° .

7.7 SAR Scan General Requirement

According to kdb865664 D01 v01r04:

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013. The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports, unless further guidance has been provided by the FCC.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 mm $\pm$ 1 mm	$\frac{1}{2}\delta\ln(2)$ mm $\pm$ 0.5 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: Δx Area, Δy Area			≤ 2 GHz: ≤ 15 mm 2-3 GHz: ≤ 12 mm	3- 4 GHz: ≤ 12 mm 4- 6 GHz: ≤ 10 mm
Maximum zoom scan spatial resolution: Δx Zoom, Δy Zoom			≤ 2 GHz: ≤ 8 mm 2-3 GHz: ≤ 5 mm*	3- 4 GHz: ≤ 5 mm* 4- 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3- 4 GHz: ≤ 4 mm 4- 5 GHz: ≤ 3 mm 5- 6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1 st two points closest to phantom surface	≤ 4 mm	3-4 GHz: ≤ 3 mm 4-5 GHz: ≤ 2.5 mm 5-6 GHz: ≤ 2 mm
		Δz Zoom (n>1): between subsequent points	$\leq 1.5 \cdot \Delta z$ Zoom (n-1) mm	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3-4 GHz: ≥ 28 mm 4- 5 GHz: ≥ 25 mm 5- 6 GHz: ≥ 22 mm

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

* When zoom scan is required and the reported SAR from the area scan based 1-g SAR estimation procedures of KDB Publication 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

7.8 Measurement procedure

Power Drift :

All SAR tests were performed with a fully charged battery under the DUT and transmitting at maximum output power. The DASY measurement software uses the power reference measurement and power drift measurement procedures to monitor the power drift of the DUT during SAR testing. Both methods measure the field value at a specified reference position before and after the SAR test. The software calculates the field difference in dB. If the power drift exceeds 5%, the SAR is retested.

Area scan:

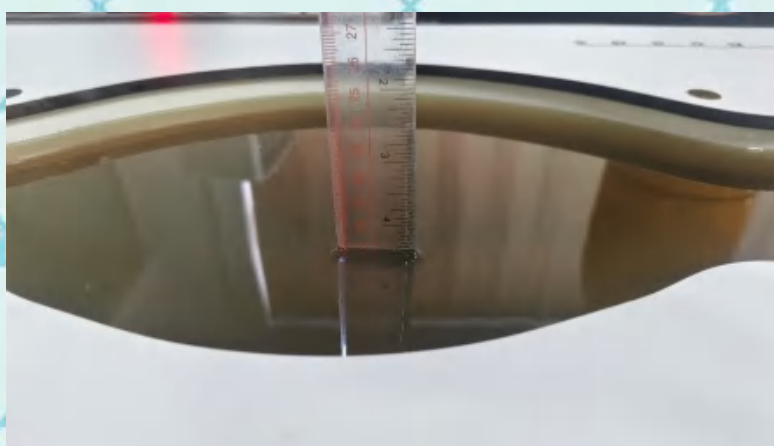
All antennas and radiating structures that may contribute to the measured SAR or influence the SAR distribution must be included in the area scan. The areas of the transmitter(s), antenna(s) and host device, when projected onto the phantom, must be within the area scan measurement region. The area scan measurement resolution must enable the extrapolation algorithms of the SAR system to correctly identify the peak SAR location(s) for subsequent zoom scan measurements to correctly determine the 1-g SAR. Area scans are performed at a constant distance from the phantom surface, determined by the measurement frequencies.

Zoom Scan:

Except when area scan based 1-g SAR estimation applies, a zoom scan measurement is required at the highest peak SAR location determined in the area scan to determine the 1-g SAR. When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR. The zoom scan volume must be larger than the required minimum dimensions described 7.7. There must be at least one measurement point within the first 5 mm from the phantom surface for measurements ≤ 3 GHz, two measurement points for measurements ≤ 5 GHz and three measurement points for measurements above 5 GHz. When graded grids are used, which only applies in the direction normal to the phantom surface, the initial grid separation closest to the phantom surface and subsequent graded grid increment ratios must satisfy the required protocols in 7.7. The 1-g SAR averaging volume must be fully contained within the zoom scan measurement volume boundaries; otherwise, the measurement must be repeated by shifting or expanding the zoom scan volume. The similar requirements also apply to 10-g SAR measurements.

7.9 Tissue simulating liquids: dielectric properties

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The simulating liquids should be checked at the beginning of a series of SAR measurements to determine if the dielectric parameters are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within $\pm 5\%$ of the target values.



Simulating Head Liquid for 5G(HBBL600-10000MHz V6), Manufactured by SPEAG:

Ingredients	(% by weight)
Water	50-65%
Mineral oil	10-30%
Emulsifiers	8-25%
Sodium salt	0-1.5%

7.10 Tissue simulating liquids: parameters

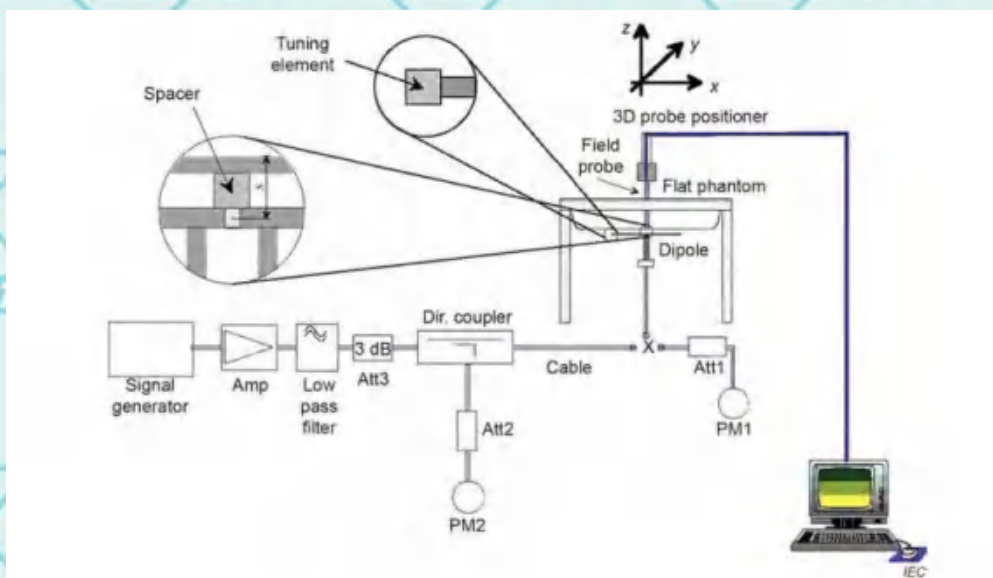
Used Target Frequency	Target Tissue		Measured Tissue		Liquid Temp.	Test Date
	ϵ_r (+/-5%)	σ (S/m) (+/-5%)	ϵ_r	σ (S/m)		
750MHz Head	41.90 (39.805~43.995)	0.89 (0.85~0.93)	43.90	0.885	21.6°C	2025-02-05
835MHz Head	41.50 (39.425~43.575)	0.90 (0.86~0.95)	41.60	0.914	21.6°C	2025-02-09
1750MHz Head	40.10 (38.10~42.10)	1.37 (1.31~1.43)	41.90	1.34	21.6°C	2025-02-13
1900MHz Head	40.00 (38.00~42.00)	1.40 (1.33~1.47)	41.70	1.44	21.6°C	2025-02-17
2450MHz Head	39.20 (37.24~41.16)	1.80 (1.71~1.89)	40.27	1.82	21.6°C	2025-02-20
2550MHz Head	39.10 (37.15~41.05)	1.91 (1.82~2.01)	40.80	1.90	21.6°C	2025-02-25
2600MHz Head	39.00 (37.05~40.95)	1.96 (1.86~2.05)	39.87	1.94	21.6°C	2025-02-28
3400MHz Head	38.00 (36.10~39.90)	2.81 (2.67~2.95)	39.30	2.63	21.6°C	2025-03-04
3500MHz Head	37.90 (36.01~39.79)	2.91 (2.77~3.05)	39.20	2.94	21.6°C	2025-03-07
3700MHz Head	37.70 (35.82~39.58)	3.12 (2.97~3.27)	38.90	2.90	21.6°C	2025-03-11
3900MHz Head	37.50 (35.63~39.37)	3.32 (2.97~3.27)	38.60	3.10	21.6°C	2025-03-14
5200MHz Head	36.00 (34.20~37.80)	4.66 (4.43~4.89)	36.30	4.54	21.6°C	2025-03-18
5500MHz Head	35.60 (33.82~37.38)	4.96 (4.71~5.20)	35.80	4.88	21.6°C	2025-03-21
5800MHz Head	35.30 (33.54~37.06)	5.27 (5.01~5.53)	35.30	5.23	21.6°C	2025-03-23
ϵ_r = Relative permittivity, σ = Conductivity						

8 System Check

8.1 System check procedure

The System check is performed by using a System check dipole which is positioned parallel to the planar part of the SAM phantom at the reference point. The distance of the dipole to the SAM phantom is determined by a spacer. The dipole is connected to the signal source consisting of signal generator and amplifier via a directional coupler, N-connector cable and adaption to SMA. It is fed with a power of 100 mW. To adjust this power a power meter is used. The power sensor is connected to the cable before the System check to measure the power at this point and do adjustments at the signal generator. At the outputs of the directional coupler both return loss as well as forward power are controlled during the validation to make sure that emitted power at the dipole is kept constant. This can also be checked by the power drift measurement after the test (result on plot).

System check results have to be equal or near the values determined during dipole calibration (target SAR in table above) with the relevant liquids and test system.



8.2 System check results

The system Check is performed for verifying the accuracy of the complete measurement system and performance of the software. The following table shows System check results for all frequency bands and tissue liquids used during the tests (plot(s) see annex A).

System Check	Target SAR (1W) (+/-10%)		Measured SAR (Normalized to 1W)		Liquid Temp.	Test Date
	1-g (W/kg)	10-g (W/kg)	1-g (W/kg)	10-g (W/kg)		
D750V3 Body	8.46 (7.62~9.30)	5.70 (5.13~6.27)	8.58	5.70	21.6°C	2025-02-05
D835V2 Body	9.68 (8.72~10.64)	6.44 (5.80~7.08)	9.94	6.55	21.6°C	2025-02-09
D1750V2 Body	36.40 (32.76~40.04)	19.60 (17.64~21.56)	36.20	19.50	21.6°C	2025-02-13
D1900V2 Body	39.70 (35.73~43.67)	21.00 (18.90~23.10)	40.40	21.10	21.6°C	2025-02-17
D2550V2 Body	54.10 (48.69~59.51)	24.70 (22.23~27.17)	55.80	25.60	21.6°C	2025-02-25
D3400V2 Body	69.20 (62.28~76.12)	26.30 (23.67~28.93)	72.50	28.10	21.6°C	2025-03-04
D3500V2 Body	65.30 (58.77~71.83)	24.80 (22.32~27.28)	62.80	24.00	21.6°C	2025-03-07
D3700V2 Body	69.30 (62.37~76.23)	25.40 (22.86~27.94)	63.70	23.70	21.6°C	2025-03-11
D3900V2 Body	69.50 (62.55~76.45)	24.30 (21.87~26.73)	67.40	23.80	21.6°C	2025-03-14
D5200V2 Body	76.00 (68.40~83.60)	22.00 (19.80~24.20)	71.70	20.70	21.6°C	2025-03-18
D5300V2 Body	80.60 (72.54~88.66)	23.30 (20.97~25.63)	80.80	23.10	21.6°C	2025-03-20
D5500V2 Body	85.60 (77.04~94.16)	24.50 (22.05~26.95)	79.00	22.50	21.6°C	2025-03-21
D5600V2 Body	83.30 (74.97~91.63)	24.10 (21.69~26.51)	78.70	22.40	21.6°C	2025-03-22
D5800V2 Body	79.00 (71.10~86.90)	22.70 (20.43~24.97)	77.60	22.00	21.6°C	2025-03-23

Note: 1. All SAR values are normalized to 1W forward power.

2. The actual forward power output to the dipole antenna is 20dbm(100mw), so the measured value differs ten times from the table

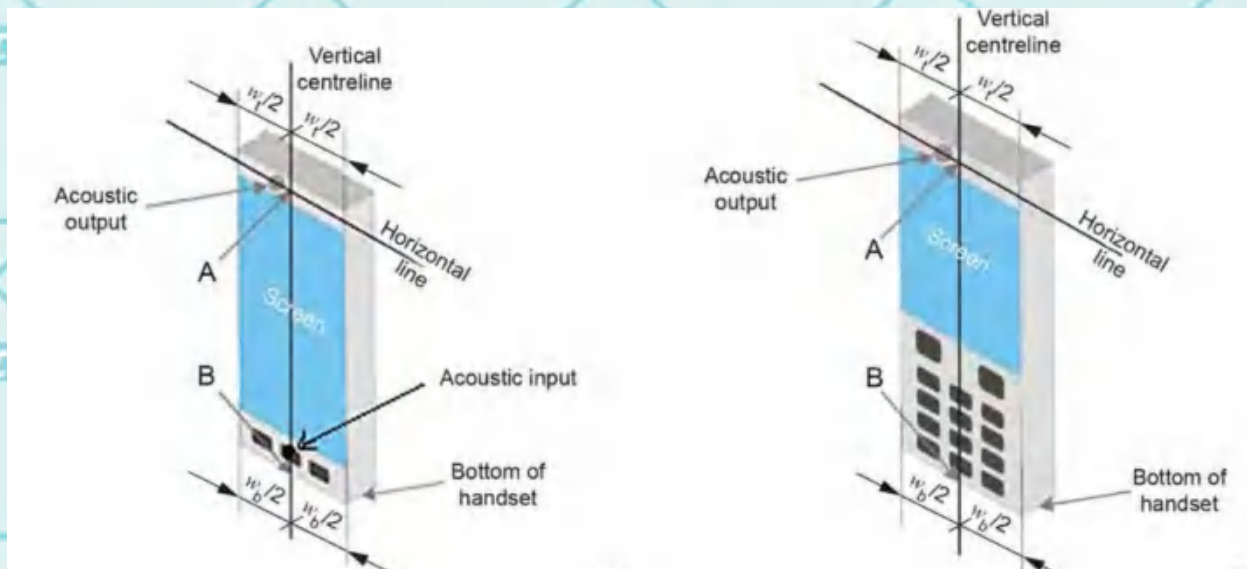
9 Test Position Configurations

9.1 Head Exposure Conditions

According to the IEEE-1528, the head phantom needs to test both "Cheek" and "Tilt" positions. Configure the DUT for voice operation, if necessary. For example, for a DUT with a flip, swivel, or slide cover piece, open the cover if this is consistent with voice operation. If the DUT can also be used with the cover closed, both configurations shall be tested.

Define two imaginary lines on the DUT, the vertical centreline and the horizontal line, relative to the DUT in vertical orientation as shown in Figure

The vertical centreline passes through two points on the front side of the DUT: the midpoint of the width w_t of the DUT at the level of the acoustic output (Point A in Figure), and the midpoint of the width w_b at the bottom of the DUT (Point B). The horizontal line is perpendicular to the vertical centerline, and passes through the centre of the acoustic output (Figure). The two lines intersect at Point A. Note that for many DUTs, Point A coincides with the centre of the acoustic output. However, the acoustic output could be located elsewhere on the horizontal line. Also note that the vertical centreline is not necessarily parallel to the front face of the DUT, especially for clamshell DUTs, DUTs with flip cover pieces, and other irregularly shaped DUTs.



Vertical and horizontal reference lines and reference points A and B on two example device types: a full touch-screen smart phone (left) and a DUT with a keypad (right)

w_t Width of the DUT at the level of the acoustic output

w_b Width of the bottom of the DUT

A Midpoint of the width w_t of the DUT at the level of the acoustic output

B Midpoint of the width w_b of the bottom of the DUT

Cheek position:

Position the DUT close to the surface of the phantom such that Point A is on the (virtual) extension of the line passing through points RE (right-ear ear reference point) and LE (left-ear ear reference point) on the phantom. The plane determined by the vertical centreline and the horizontal line of the DUT shall be parallel to the sagittal plane of the phantom.



Tilt position:

Place the DUT in the cheek position. While maintaining the orientation of the DUT, move the DUT away from the pinna along the line passing through RE and LE far enough to allow a rotation of the DUT away from the cheek by 15° . Rotate the DUT around the horizontal line by 15° .

While maintaining the orientation of the DUT, move the DUT towards the phantom on a line passing through RE and LE until any part of the DUT touches the ear. The tilt position is obtained when the contact is on the pinna. If the contact is at any location other than the pinna, e.g. an extended antenna in contact with the back of the head phantom, the angle of the DUT shall be reduced. In this case, the tilt position is obtained if any part of the DUT is in contact with the pinna and a second point on the DUT is in contact with the phantom, e.g. the antenna in contact with the back of the head.

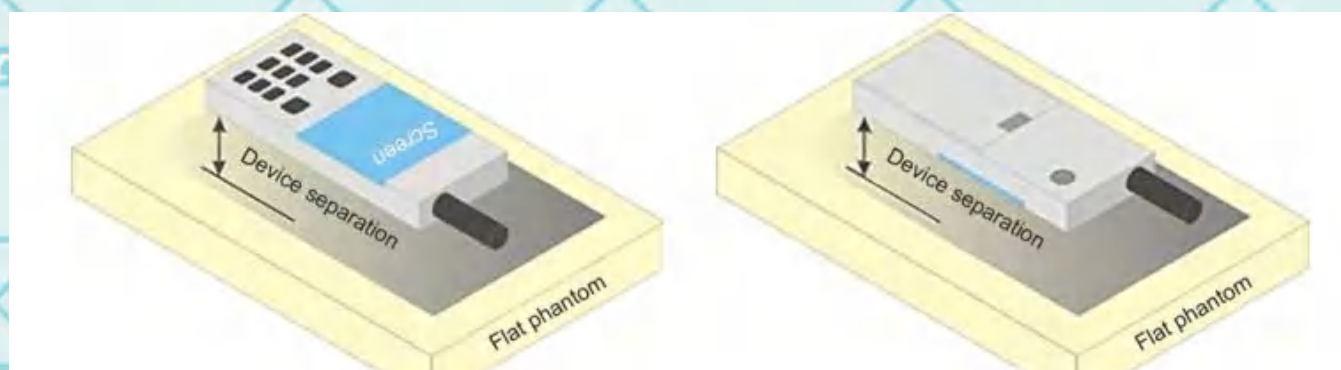


9.2 Body Exposure Condition

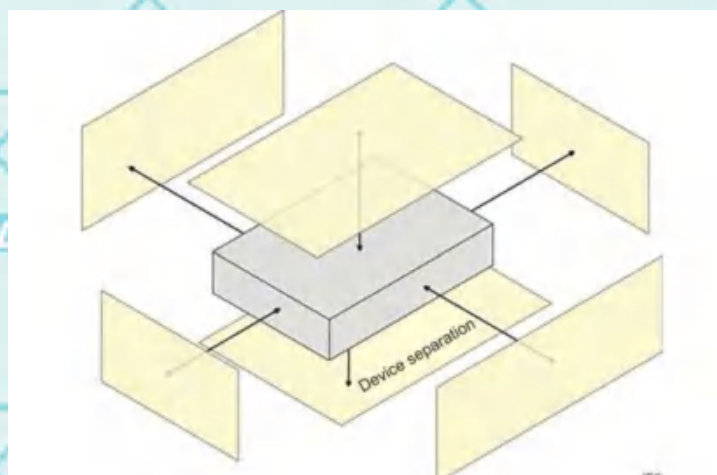
According to 447498 D04

Devices that support transmission while used with body-worn accessories must be tested for SAR compliance related to each body-worn condition of use. SAR evaluation is required for body-worn accessories supplied with the device they are attached to.

The general informing principle is that the selected test configurations must conservatively capture the various body-worn accessory use conditions expected by users. For instance, devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, must be tested for SAR compliance using a conservative minimum test separation distance not to exceed 5 mm for all use conditions required by the device.



Test positions for body-worn devices



Possible test positions for a generic device

Testing of all six faces of the DUT (see Figure) might not be required; justification shall be provided when omitting testing of some faces.

10 SAR Test Configuration

10.1 GSM Test Configurations

SAR tests for GSM850 and GSM1900, a communication link is set up with a base station by air link. Using CMU200 the power level is set to “5” and “0” in SAR of GSM850 and GSM1900. The tests in the band of GSM 850 and GSM 1900 are performed in the mode of GPRS/EGPRS function. Since the GPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslot is 5.

When SAR tests for EGPRS mode is necessary, GMSK modulation should be used to minimize SAR measurement error due to higher peak-to-average power (PAR) ratios inherent in 8-PSK.

10.2 UMTS Test Configuration

1) Output Power Verification

Maximum output power is verified on the high, middle and low channels according to procedures described in section 5.2 of 3GPP TS 34.121, using the appropriate RMC or AMR with TPC (transmit power control) set to all “1”s for WCDMA/HSDPA or by applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, HSPA) are required in the SAR report. All configurations that are not supported by the Headset or cannot be measured due to technical or equipment limitations must be clearly identified.

2) WCDMA

a. Head SAR Measurements

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all “1”s. The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

b. Body SAR Measurements

SAR for body-worn accessory configurations is measured using a 12.2 kbps RMC with TPC bits configured to all “1”s. The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCHn configurations supported by the Headset with 12.2 kbps RMC as the primary mode

3) HSDPA

SAR for body exposure configurations is measured according to the “Body SAR Measurements” procedures of 3G device. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode. This is referred to as the 3G SAR test reduction procedure in the following SAR test guidance, where the primary mode is identified in

the applicable wireless mode test procedures and the secondary mode is wireless mode being considered for SAR test reduction by that procedure. When the 3G SAR test reduction procedure is not satisfied, it is identified as "otherwise" in the applicable procedures; SAR measurement is required for the secondary mode.

Per KDB941225 D01, the 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures for the highest reported SAR body exposure configuration in 12.2 kbps RMC. HSDPA should be configured according to UE category of a test device. The number of HS-DSCH/HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission condition, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4ms with a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. The β_c and β_d gain factors for DPCCH and DPDCH were set according to the values in the below table, β_{hs} for HS-DPCCH is set automatically to the correct value when ΔACK , $\Delta NACK$, $\Delta CQI = 8$. The variation of the β_c / β_d ratio causes a power reduction at sub-tests 2 - 4.

Sub-test ^a	β_c ^b	β_d ^c	β_d (SF) ^d	β_c / β_d ^e	β_{hs} (1) ^f	CM(dB)(2) ^g	MPR (dB) ^h
1 ^a	2/15 ^a	15/15 ^a	64 ^a	2/15 ^a	1/15 ^a	0.0 ^a	0 ^a
2 ^a	12/15(3) ^a	15/15(3) ^a	64 ^a	12/15(3) ^a	24/15 ^a	1.0 ^a	0 ^a
3 ^a	13/15 ^a	8/15 ^a	64 ^a	15/8 ^a	30/15 ^a	1.5 ^a	0.5 ^a
4 ^a	15/15 ^a	4/15 ^a	64 ^a	15/4 ^a	30/15 ^a	1.5 ^a	0.5 ^a

Note 1: ΔACK , $\Delta NACK$ and $\Delta CQI = 8$ $A_{hs} = \beta_{hs} / \beta_c = 30/15$ $\beta_{hs} = 30/15 * \beta_c$
Note 2: CM=1 for $\beta_c / \beta_d = 12/15$, $\beta_{hs} / \beta_c = 24/15$. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.
Note 3: For subtest 2 the β_c / β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF0) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

The measurements were performed with a Fixed Reference Channel (FRC) and H-Set 1 QPSK.:

Parameter	Value
Nominal average inf. bit rate	534 kbit/s
Inter-TTI Distance	3 TTI's
Number of HARQ Processes	2 Processes
Information Bit Payload	3202 Bits
MAC-d PDU size	336 Bits
Number Code Blocks	1 Block
Binary Channel Bits Per TTI	4800 Bits
Total Available SMLs in UE	19200 SMLs
Number of SMLs per HARQ Process	9600 SMLs
Coding Rate	0.67
Number of Physical Channel Codes	5

4)HSUPA

SAR for body exposure configurations is measured according to the “Body SAR Measurements” procedures of 3G device. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

Per KDB941225 D01v03, the 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures for the highest reported body exposure SAR configuration in 12.2 kbps RMC.

10.3 LTE Test Configuration

SAR for LTE band exposure configurations is measured according to the procedures of KDB 941225 D05 SAR for LTE Devices. The CMW500 WideBand Radio Communication Tester was used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR test were performed with the same number of RB and RB offsets transmitting on all TTI frames(Maximum TTI)

1) Spectrum Plots for RB configurations

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

2) MPR

When MPR is implemented permanently within the UE, regardless of network requirements, only those RB configurations allowed by 3GPP for the channel bandwidth and modulation combinations may be tested with MPR active. Configurations with RB allocations less than the RB thresholds required by 3GPP must be tested without MPR.

The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
64 QAM	> 5	> 4	> 11	> 12	> 16	> 18	≤ 2

3) A-MPR

A-MPR(Additional MPR) has been disabled for all SAR tests by using Network Signalling Value of “NS_01” on the base station simulator.

4) LTE procedures for SAR testing

A) Largest channel bandwidth standalone SAR test requirements

i) 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.

ii) QPSK with 50% RB allocation

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

iii) 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 i) and ii) 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.

iv) 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.

B) 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.

5) TDD LTE test configuration

According to KDB 941225 D05 SAR for LTE Devices v02r04, 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.

10.4 Wi-Fi Test Configuration

For the 802.11b/g SAR tests, a communication link is set up with the test mode software for Wi-Fi mode test. The Absolute Radio Frequency Channel Number (ARFCN) is allocated to 1, 6 and 11 respectively in the case of 2450 MHz. During the test, at the each test frequency channel, the EUT is operated at the RF continuous emission mode. Each channel should be tested at the lowest data rate. 802.11b/g operating modes are tested independently according to the service requirements in each frequency band. 802.11b/g modes are tested on channel 1, 6, 11; however, if output power reduction is necessary for channels 1 and/or 11 to meet restricted band requirements the highest output channel closest to each of these channels must be tested instead.

SAR is not required for 802.11g/n channels when the maximum average output power is less than 0.25dB higher than that measured on the corresponding 802.11b channels.

Mode	Band	GHz	Channel	“Default Test Channels”	
				802.11b	802.11g
802.11b/g	2.4 GHz	2412	1#	√	△
		2437	6	√	△
		2462	11#	√	△

Notes:

√ = “default test channels”

△ = possible 802.11g channels with maximum average output ¼ dB the “default test channels”

= when output power is reduced for channel 1 and /or 11 to meet restricted band requirements the highest output channels closest to each of these channels should be tested.

802.11 Test Channels per FCC Requirements

10.5 WiFi 2.4G SAR Test 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.

A) 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 (section 3.1 of of KDB 248227D01v02) 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.

B) 2.4GHz 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 of of KDB 248227D01v02r01). 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.

C) 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.

11 Detailed Test Results

11.1 Conducted Power measurements

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

11.1.1 Conducted Power of GSM

Mode: GSM850		Maximum Tune-up(dBm)	Burst Average Power (dBm)			Division Factors	Frame-Average Power (dBm)		
			CH128	CH190	CH251		CH128	CH190	CH251
			824.2MHz	836.6MHz	848.8MHz		824.2MHz	836.6MHz	848.8MHz
GSM(CS)		32.00	31.38	31.64	31.32	-9.03	24.03	24.29	23.97
GPRS (GMSK)	1Tx slot	30.00	29.71	29.41	27.45	-9.03	22.36	22.06	20.10
	2Tx slots	31.00	29.15	29.86	30.86	-9.03	21.80	22.51	23.51
	3Tx slots	31.00	30.52	29.20	29.00	-6.02	23.17	21.85	21.65
	4Tx slots	31.00	28.35	30.93	28.86	-4.26	21.00	23.58	21.51
EGPRS (8PSK)	1Tx slot	28.00	26.98	26.58	27.69	-3.01	19.63	19.23	20.34
	2Tx slots	26.50	25.68	24.78	26.11	-9.03	18.33	17.43	18.76
	3Tx slots	27.50	25.18	26.55	27.43	-6.02	17.83	19.20	20.08
	4Tx slots	27.50	26.97	27.24	25.94	-4.26	19.62	19.89	18.59
Mode: GSM1900		Maximum Tune-up(dBm)	Burst Average Power (dBm)			Division Factors	Frame-Average Power (dBm)		
			CH512	CH661	CH810		CH512	CH661	CH810
			1850.2MHz	1880.0MHz	1909.8MHz		1850.2MHz	1880.0MHz	1909.8MHz
GSM(CS)		30.00	29.51	28.53	29.42	-9.03	26.81	25.83	26.72
GPRS (GMSK)	1Tx slot	27.50	27.41	26.29	25.49	-9.03	24.71	23.59	22.79
	2Tx slots	27.00	26.14	26.86	26.52	-9.03	23.44	24.16	23.82
	3Tx slots	27.00	26.65	26.69	26.26	-6.02	23.95	23.99	23.56
	4Tx slots	27.50	25.91	27.09	26.90	-4.26	23.21	24.39	24.20
EGPRS (8PSK)	1Tx slot	25.50	25.16	23.98	24.57	-3.01	22.46	21.28	21.87
	2Tx slots	25.50	23.73	24.45	25.28	-9.03	21.03	21.75	22.58
	3Tx slots	25.00	23.80	24.61	24.80	-6.02	21.10	21.91	22.10
	4Tx slots	25.50	24.67	24.06	25.19	-4.26	21.97	21.36	22.49

Note:

Division Factors

To average the power, the division factor is as follows:

1Tx-slots = 1 transmit time slots out of 8 time slots=> conducted power divided by (8/1) => -9.03dB

2Tx-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB

3Tx-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB

4Tx-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB

11.1.2 Conducted Power of WCDMA

Mode		Maximum Tune-up(dBm)	WCDMA Band 2		
			Conducted Power (dBm)		
			CH9262	CH9400	CH9538
RMC 12.2K		22.50	1852.4	1880.0	1907.6
			20.61	22.38	20.81
HSDPA	Subtest-1	22.50	20.74	20.92	22.11
	Subtest-2	23.00	22.57	20.95	20.82
	Subtest-3	22.00	20.80	21.57	21.05
	Subtest-4	21.00	20.90	20.60	20.55
HSUPA	Subtest-1	23.00	20.32	22.94	21.97
	Subtest-2	22.50	22.06	21.01	21.49
	Subtest-3	23.00	21.24	22.20	22.52
	Subtest-4	22.00	20.16	21.71	20.89
	Subtest-5	22.50	20.41	22.31	20.67
Mode		Maximum Tune-up(dBm)	WCDMA Band 4		
			Conducted Power (dBm)		
			CH1312	CH1413	CH1513
RMC 12.2K		23.50	1712.4	1732.6	1752.6
			22.90	22.77	23.14
HSDPA	Subtest-1	24.50	23.19	24.16	23.25
	Subtest-2	23.50	21.81	22.45	23.08
	Subtest-3	24.00	23.47	22.17	23.92
	Subtest-4	23.50	22.16	21.67	23.15
HSUPA	Subtest-1	23.00	22.86	21.70	22.10
	Subtest-2	23.50	23.15	21.20	22.18
	Subtest-3	23.50	23.04	22.46	21.41
	Subtest-4	22.50	22.31	21.84	22.36
	Subtest-5	22.50	20.41	22.10	20.58
Mode		Maximum Tune-up(dBm)	WCDMA Band 5		
			Conducted Power (dBm)		
			CH4132	CH4183	CH4233
RMC 12.2K		23.00	826.4	836.6	846.6
			21.64	22.52	22.00
HSDPA	Subtest-1	22.00	21.18	21.48	22.00
	Subtest-2	23.00	21.25	22.74	22.70
	Subtest-3	22.50	22.37	21.32	20.32
	Subtest-4	22.50	21.56	22.04	22.45
HSUPA	Subtest-1	22.00	21.08	21.90	21.80
	Subtest-2	23.00	21.75	22.84	22.12
	Subtest-3	21.50	21.46	20.62	21.26
	Subtest-4	23.00	22.73	21.99	21.90
	Subtest-5	21.50	21.46	20.71	21.35
Per KDB 941225 D01, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/2$ dB higher than the primary mode (RMC12.2kbps) or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.					

11.1.3 Conducted Power of LTE Band 2

LTE-FDD Band 2					Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18607	18900	19193
					1850.7MHz	1880.0MHz	1909.3MHz
1.4MHz	QPSK	1	0	23.50	23.23	23.28	23.25
			2	23.50	23.26	23.31	23.28
			5	23.50	23.24	23.30	23.26
		3	0	23.50	23.16	23.13	23.26
			2	23.50	23.17	23.11	23.23
			3	23.50	23.18	23.17	23.24
	16QAM	6	0	22.50	22.19	22.17	22.27
			0	23.00	22.15	22.42	22.51
			2	22.50	22.12	22.41	22.50
		3	5	23.00	22.15	22.43	22.51
			0	22.50	22.33	22.34	22.47
			2	22.50	22.29	22.32	22.47
3MHz	QPSK	1	3	22.50	22.35	22.34	22.48
			0	21.50	21.34	21.34	21.43
			0	23.00	22.15	22.42	22.51
		8	2	22.50	22.12	22.41	22.50
			5	23.00	22.15	22.43	22.51
			0	22.50	22.33	22.34	22.47
	16QAM	15	2	22.50	22.29	22.32	22.47
			3	22.50	22.35	22.34	22.48
			0	21.50	21.34	21.34	21.43
		8	0	23.00	22.69	22.43	22.28
			7	23.00	22.71	22.43	22.30
			14	23.00	22.68	22.39	22.25
5MHz	QPSK	1	0	23.50	23.36	23.28	23.36
			13	23.50	23.40	23.32	23.40
			24	23.50	23.41	23.28	23.33
		12	0	22.50	22.30	22.25	22.36
			6	22.50	22.28	22.20	22.34
			13	22.50	22.28	22.26	22.33
	16QAM	25	0	22.50	22.35	22.29	22.38
			0	23.00	22.85	22.69	22.75
			13	23.00	22.88	22.70	22.75
		12	24	23.00	22.89	22.68	22.69
			0	21.50	21.33	21.24	21.40
			6	21.50	21.30	21.20	21.38

LTE-FDD Band 2				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		18650 1855.0MHz	18900 1880.0MHz	19150 1905.0MHz
10MHz	QPSK	1	0	23.50	23.29	23.27	23.39
			25	23.50	23.26	23.29	23.43
			49	23.50	23.29	23.29	23.47
		25	0	22.50	22.30	22.24	22.35
			13	22.50	22.27	22.26	22.31
			25	22.50	22.29	22.29	22.34
	16QAM	50	0	22.50	22.29	22.26	22.33
			0	23.00	22.74	22.45	22.28
			25	23.00	22.71	22.45	22.30
		1	49	23.00	22.80	22.49	22.32
			0	21.50	21.30	21.22	21.33
			13	21.50	21.29	21.23	21.28
15MHz	QPSK	25	25	21.50	21.30	21.26	21.33
			0	21.50	21.27	21.28	21.31
			0	21.50	21.27	21.28	21.31
	16QAM	50	0	21.50	21.27	21.28	21.31
			0	21.50	21.27	21.28	21.31
			0	21.50	21.27	21.28	21.31
	QPSK	1	0	23.50	23.31	23.29	23.47
			38	24.00	23.33	23.37	23.51
			74	23.50	23.26	23.31	23.48
	16QAM	36	0	22.50	22.28	22.26	22.38
			18	22.50	22.28	22.26	22.38
			39	22.50	22.28	22.30	22.40
20MHz	QPSK	75	0	22.50	22.30	22.30	22.41
			0	23.00	22.77	22.51	22.52
			38	23.00	22.77	22.59	22.55
	16QAM	1	74	23.00	22.73	22.53	22.53
			0	21.50	21.34	21.33	21.35
			18	21.50	21.30	21.32	21.36
20MHz	QPSK	36	39	21.50	21.32	21.38	21.38
			0	21.50	21.34	21.30	21.46
			0	21.50	21.34	21.30	21.46
	16QAM	75	0	21.50	21.34	21.30	21.46
			0	21.50	21.34	21.30	21.46
			0	21.50	21.34	21.30	21.46
20MHz	QPSK	1	0	23.50	23.31	23.38	23.40
			50	23.50	23.38	23.46	23.44
			99	23.50	23.31	23.46	23.42
	16QAM	50	0	22.50	22.35	22.32	22.45
			25	22.50	22.35	22.34	22.45
			50	22.50	22.30	22.35	22.44
20MHz	QPSK	100	0	22.50	22.34	22.34	22.46
			0	23.00	22.77	22.60	22.72
			50	23.00	22.75	22.71	22.72
	16QAM	1	99	23.00	22.70	22.68	22.74
			0	21.50	21.40	21.29	21.48
			25	21.50	21.38	21.30	21.46
20MHz	QPSK	50	50	21.50	21.35	21.32	21.46
			0	21.50	21.33	21.33	21.45
			0	21.50	21.33	21.33	21.45
	16QAM	100	0	21.50	21.33	21.33	21.45
			0	21.50	21.33	21.33	21.45
			0	21.50	21.33	21.33	21.45

11.1.4 Conducted Power of LTE Band 4

LTE-FDD Band 4				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		19957 1710.7MHz	20175 1732.5MHz	20393 1754.3MHz
1.4MHz	QPSK	1	0	23.00	22.26	22.49	22.57
			2	23.00	22.33	22.47	22.57
			5	23.00	22.27	22.47	22.57
		3	0	22.50	22.31	22.48	22.50
			2	22.50	22.27	22.48	22.49
			3	22.50	22.27	22.48	22.50
	16QAM	6	0	22.00	21.33	21.45	21.55
			0	23.00	22.31	22.51	22.57
			2	23.00	22.32	22.47	22.57
		1	5	23.00	22.28	22.48	22.57
			0	22.50	22.29	22.49	22.49
			2	22.50	22.27	22.49	22.49
3MHz	QPSK	3	3	23.00	22.28	22.49	22.53
			0	22.00	21.34	21.44	21.56
			0	23.00	22.40	22.44	22.58
		8	7	23.00	22.34	22.44	22.59
			14	23.00	22.32	22.43	22.60
			0	22.00	21.38	21.44	21.56
	16QAM	8	4	22.00	21.35	21.42	21.51
			7	22.00	21.36	21.44	21.53
			0	22.00	21.34	21.45	21.57
		15	0	23.00	22.42	22.45	22.58
			7	23.00	22.35	22.46	22.58
			14	23.00	22.31	22.43	22.60
5MHz	QPSK	8	0	22.00	21.38	21.43	21.53
			4	22.00	21.34	21.47	21.52
			7	22.00	21.35	21.46	21.52
		15	0	22.00	21.36	21.47	21.57
			7	23.00	22.35	22.46	22.58
			14	23.00	22.31	22.43	22.60
	16QAM	1	0	23.00	22.53	22.68	22.56
			13	23.00	22.49	22.65	22.57
			24	23.00	22.54	22.69	22.55
		12	0	22.00	21.41	21.53	21.61
			6	22.00	21.40	21.49	21.58
			13	22.00	21.44	21.49	21.59
10MHz	QPSK	25	0	22.00	21.48	21.57	21.64
			0	23.00	22.54	22.68	22.54
			13	23.00	22.49	22.65	22.57
		1	24	23.00	22.55	22.71	22.55
			0	22.00	21.42	21.51	21.61
			6	22.00	21.43	21.53	21.58
	16QAM	12	13	22.00	21.44	21.53	21.60
			0	22.00	21.46	21.57	21.64
			0	23.00	22.54	22.68	22.54
		25	13	23.00	22.49	22.65	22.57
			24	23.00	22.55	22.71	22.55
			0	22.00	21.42	21.51	21.61

LTE-FDD Band 4				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20000 1715.0MHz	20175 1732.5MHz	20350 1750.0MHz
10MHz	QPSK	1	0	23.00	22.56	22.57	22.66
			25	23.00	22.50	22.53	22.64
			49	23.00	22.57	22.48	22.71
		25	0	22.00	21.48	21.57	21.64
			13	22.00	21.51	21.54	21.61
			25	22.00	21.51	21.54	21.61
	16QAM	50	0	22.00	21.48	21.59	21.62
			0	23.00	22.53	22.56	22.65
			25	23.00	22.48	22.51	22.64
		1	49	23.00	22.51	22.47	22.68
			0	22.00	21.48	21.55	21.64
			13	22.00	21.52	21.53	21.62
15MHz	QPSK	25	25	22.00	21.52	21.54	21.61
			0	22.00	21.49	21.57	21.62
			0	22.00	21.49	21.57	21.62
		50	0	22.00	21.49	21.57	21.62
			0	22.00	21.49	21.57	21.62
			0	22.00	21.49	21.57	21.62
	16QAM	1	0	22.00	21.49	21.57	21.62
			0	22.00	21.49	21.57	21.62
			0	22.00	21.49	21.57	21.62
		36	0	22.00	21.49	21.57	21.62
			18	22.00	21.49	21.57	21.62
			39	22.00	21.47	21.49	21.58
20MHz	QPSK	75	0	22.00	21.50	21.54	21.58
			0	22.00	21.50	21.54	21.58
			0	22.00	21.50	21.54	21.58
		1	38	23.00	22.56	22.58	22.73
			74	23.00	22.48	22.48	22.75
			0	22.00	21.49	21.54	21.55
	16QAM	36	18	22.00	21.49	21.54	21.53
			39	22.00	21.47	21.49	21.58
			0	22.00	21.50	21.54	21.58
		75	0	22.00	21.50	21.54	21.58
			0	22.00	21.50	21.54	21.58
			0	22.00	21.50	21.54	21.58

11.1.5 Conducted Power of LTE Band 5

LTE-FDD Band 5				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		20407	20525	20643	
					824.7MHz	836.5MHz	848.3MHz	
1.4MHz	QPSK	1	0	23.5	23.20	23.20	23.07	
			2	23.5	23.21	23.20	23.08	
			5	23.5	23.22	23.18	23.06	
		3	0	23.5	23.18	23.16	23.01	
			2	23.5	23.18	23.08	23.02	
			3	23.5	23.19	23.04	23.04	
	16QAM	6	0	22.5	22.20	22.11	22.05	
			1	0	23.5	23.21	23.16	23.07
				2	23.5	23.23	23.15	23.05
		3		5	23.5	23.22	23.12	23.04
			3	0	23.5	23.19	23.09	23.00
				2	23.5	23.19	23.09	23.01
6	3	23.5		23.20	23.10	23.03		
	0	22.5	22.22	22.16	22.05			
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20415	20525	20635
825.5MHz						836.5MHz	847.5MHz	
3MHz	QPSK	1	0	23.5	23.23	0.00	23.09	
			7	23.5	23.15	23.18	23.04	
			14	23.5	23.10	23.23	23.04	
		8	0	22.5	22.19	22.17	22.10	
			4	22.5	22.16	22.15	22.06	
			7	22.5	22.17	22.13	22.06	
	16QAM	15	0	22.5	22.16	22.18	22.07	
			0	23.5	23.24	23.24	23.11	
			1	7	23.5	23.18	23.20	23.05
		14		23.5	23.13	23.23	23.07	
		8		0	22.5	22.18	22.18	22.10
			4	22.5	22.16	22.15	22.07	
7	22.5		22.15	22.13	22.03			
15	0	22.5	22.18	22.19	22.08			

LTE-FDD Band 5				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		20425	20525	20625	
					826.5MHz	836.5MHz	846.5MHz	
5MHz	QPSK	1	0	23.5	23.39	23.38	23.12	
			13	23.5	23.31	23.32	23.08	
			24	23.5	23.28	23.33	23.04	
		12	0	22.5	22.25	22.23	22.14	
			6	22.5	22.23	22.18	22.11	
			13	22.5	22.21	22.18	22.08	
	16QAM	25	0	22.5	22.30	22.24	22.16	
			1	0	23.5	23.39	23.35	23.12
				13	23.5	23.31	23.30	23.08
		12		24	23.5	23.29	23.33	23.05
			0	22.5	22.23	22.25	22.14	
			6	22.5	22.20	22.23	22.10	
10MHz	QPSK	1	13	22.5	22.22	22.18	22.09	
			0	22.5	22.29	22.25	22.14	
			25	22.5	22.29	22.25	22.14	
		25	0	23.5	23.34	23.23	23.18	
			25	23.5	23.20	23.21	23.17	
			49	23.5	23.33	23.16	23.12	
	16QAM	50	0	22.5	22.20	22.25	22.15	
			13	22.5	22.21	22.20	22.12	
			25	22.5	22.21	22.21	22.07	
		1	0	22.5	22.24	22.22	22.15	
			0	23.5	23.32	23.24	23.28	
			25	23.5	23.16	23.23	23.14	
16QAM	25	49	23.5	23.33	23.18	23.15		
		0	22.5	22.20	22.30	22.16		
		13	22.5	22.22	22.26	22.12		
	50	25	22.5	22.23	22.22	22.08		
		0	22.5	22.24	22.25	22.16		
		0	22.5	22.24	22.25	22.16		

11.1.6 Conducted Power of LTE Band 7

LTE-FDD Band 7				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20775	21100	21425
					2502.5MHz	2535.0MHz	2567.5MHz
5MHz	QPSK	1	0	22.50	21.97	21.87	22.10
			13	22.50	21.99	21.93	22.09
			24	22.50	22.04	21.93	22.13
		12	0	21.50	20.88	20.89	21.05
			6	21.00	20.88	20.90	20.99
			13	21.50	20.88	20.90	21.03
		25	0	21.50	20.94	20.96	21.01
			10	22.50	22.00	21.87	22.11
	16QAM	1	13	22.50	22.00	21.92	22.10
			24	22.50	22.04	21.94	22.11
			0	21.50	20.90	20.88	21.05
		12	6	21.00	20.88	20.88	21.00
			13	21.50	20.90	20.92	21.03
			25	21.50	20.94	20.95	21.03
		25	0	21.50	20.94	20.95	21.03
			10	22.50	22.00	21.87	22.11
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	20800	21100	21400
					2505.0MHz	2535.0MHz	2565.0MHz
10MHz	QPSK	1	0	22.50	21.98	21.93	22.10
			25	22.50	21.97	21.94	22.04
			49	22.50	22.01	21.98	22.08
		25	0	21.50	21.00	20.96	21.05
			13	21.50	20.95	20.92	21.03
			25	21.50	20.98	20.99	21.02
		50	0	21.50	20.96	20.96	21.04
			10	22.50	22.00	21.96	22.10
	16QAM	1	25	22.50	21.98	21.98	22.05
			49	22.50	21.99	22.00	22.07
			0	21.50	21.01	20.96	21.05
		25	13	21.50	20.96	20.95	21.05
			25	21.50	20.99	20.99	21.03
			50	0	21.50	21.00	20.94
		50	0	21.50	21.00	20.94	21.02
			10	22.50	22.00	21.96	22.10

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20825	21100	21375
					2057.5MHz	2535.0MHz	2562.5MHz
15MHz	QPSK	1	0	22.50	22.01	21.92	22.05
			38	22.50	22.01	21.94	22.09
			74	22.50	21.97	21.94	22.02
		36	0	21.00	20.95	20.96	21.00
			18	21.00	20.93	20.90	20.98
			39	21.00	20.89	20.95	21.00
			75	21.50	20.96	20.92	21.02
	16QAM	1	0	22.50	21.96	21.90	22.05
			38	22.50	21.99	21.94	22.11
			74	22.50	21.93	21.94	22.06
		36	0	21.00	20.97	20.97	21.00
			18	21.00	20.94	20.91	20.99
			39	21.50	20.94	20.95	21.01
			75	21.50	20.96	20.91	21.02
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	21350	21100	21350
					2560.0MHz	2535.0MHz	2560.0MHz
20MHz	QPSK	1	0	22.50	21.98	21.98	22.02
			50	22.50	21.95	22.02	21.99
			99	22.50	21.89	22.10	21.96
		50	0	21.50	21.07	21.00	21.11
			25	21.50	21.01	21.00	21.08
			50	21.50	20.93	21.00	21.07
			100	21.50	21.02	20.97	21.10
	16QAM	1	0	22.50	22.04	21.97	22.02
			50	22.50	22.02	22.02	22.01
			99	22.50	21.98	22.07	22.05
		50	0	21.50	21.06	21.01	21.10
			25	21.50	20.99	20.98	21.07
			50	21.50	20.95	20.99	21.08
			100	21.50	21.03	20.97	21.09

11.1.7 Conducted Power of LTE Band 12

LTE-FDD Band 12				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23017	23095	23173
					699.7MHz	707.5MHz	715.5MHz
1.4MHz	QPSK	1	0	23.00	22.87	22.78	22.90
			2	23.00	22.87	22.76	22.87
			5	23.00	22.83	22.78	22.87
		3	0	23.00	22.73	22.81	22.95
			2	23.00	22.75	22.78	22.93
			3	23.00	22.73	22.78	22.92
		6	0	22.00	21.72	21.78	21.89
	16QAM	1	0	23.00	22.83	22.77	22.93
			2	23.00	22.81	22.78	22.90
			5	23.00	22.79	22.77	22.91
		3	0	23.00	22.71	22.73	22.83
			2	23.00	22.72	22.74	22.85
			3	23.00	22.75	22.73	22.84
		6	0	22.00	21.74	21.76	21.92
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	23025	23095	23165
					700.5MHz	707.5MHz	714.5MHz
3MHz	QPSK	1	0	23.00	22.84	22.77	22.85
			7	23.00	22.82	22.75	22.91
			14	23.00	22.82	22.77	22.92
		8	0	22.00	21.79	21.80	21.95
			4	22.00	21.75	21.82	21.89
			7	22.00	21.79	21.78	21.92
		15	0	22.00	21.79	21.82	21.93
	16QAM	1	0	23.00	22.85	22.78	22.87
			7	23.00	22.85	22.77	22.91
			14	23.00	22.81	22.76	22.91
		8	0	22.00	21.80	21.79	21.92
			4	22.00	21.80	21.82	21.89
			7	22.00	21.80	21.79	21.93
		15	0	22.00	21.79	21.81	21.93

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23035	23095	23155
					701.5MHz	707.5MHz	713.5MHz
5MHz	QPSK	1	0	23.00	22.99	22.88	22.94
			13	23.50	23.01	22.92	22.92
			24	23.50	23.01	22.99	22.96
		12	0	22.00	21.83	21.85	21.91
			6	22.00	21.82	21.86	21.91
			13	22.00	21.81	21.83	21.94
	16QAM	25	0	22.00	21.90	21.86	21.94
			0	23.50	23.02	22.88	22.89
			13	23.50	23.01	22.90	22.90
		12	24	23.00	23.00	22.98	22.95
			0	22.00	21.83	21.86	21.94
			6	22.00	21.82	21.80	21.91
10MHz	QPSK	25	13	22.00	21.81	21.79	21.97
			0	22.50	21.88	21.85	22.01
			0	23.50	22.94	22.87	23.01
		50	25	23.00	22.88	22.84	22.98
			49	23.50	22.92	22.90	23.03
			0	22.00	21.85	21.81	21.91
	16QAM	25	13	22.00	21.83	21.85	21.93
			25	22.00	21.86	21.85	21.93
			0	22.00	21.83	21.88	21.91
		50	0	23.00	22.96	22.85	23.00
			25	23.00	22.89	22.85	22.99
			49	23.50	22.92	22.92	23.07
10MHz	QPSK	25	0	22.00	21.84	21.84	21.93
			13	22.00	21.87	21.87	21.94
			25	22.00	21.85	21.88	21.95
		50	0	22.00	21.84	21.90	21.92
			0	23.50	22.94	22.87	23.01
			25	23.00	22.88	22.84	22.98
10MHz	16QAM	50	49	23.50	22.92	22.90	23.03
			0	22.00	21.85	21.81	21.91
			13	22.00	21.83	21.85	21.93
		25	25	22.00	21.86	21.85	21.93
			0	22.00	21.83	21.88	21.91
			0	23.00	22.96	22.85	23.00

11.1.8 Conducted Power of LTE Band 17

LTE-FDD Band 17				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23755 706.5MHz	23790 710.0MHz	23825 713.5MHz
5MHz	QPSK	1	0	23.00	22.84	22.73	22.90
			13	23.00	22.81	22.80	22.95
			24	23.00	22.90	22.76	22.96
		12	0	22.00	21.68	21.82	21.83
			6	22.00	21.69	21.83	21.87
			13	22.00	21.72	21.77	21.90
	16QAM	25	0	22.00	21.76	21.85	21.89
			0	23.00	22.86	22.76	22.91
			13	23.00	22.82	22.80	22.94
		1	24	23.00	22.92	22.76	22.97
			0	22.00	21.69	21.82	21.86
			6	22.00	21.72	21.82	21.89
10MHz	QPSK	12	13	22.00	21.75	21.76	21.90
			0	22.00	21.79	21.84	21.91
			25	22.00	21.79	21.84	21.91
		25	0	23.00	22.85	22.77	22.78
			0	23.00	22.87	22.89	22.81
			49	23.00	22.95	22.93	22.85
	16QAM	25	0	22.00	21.79	21.83	21.85
			13	22.00	21.82	21.86	21.84
			25	22.00	21.81	21.87	21.83
		50	0	22.00	21.81	21.83	21.89
			0	22.00	21.81	21.83	21.89
			0	22.00	21.81	21.83	21.89

11.1.9 Conducted Power of LTE Band 38

LTE-TDD Band 38				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		37775	38000	38225	
					2572.5MHz	2595.0MHz	2617.5MHz	
5MHz	QPSK	1	0	22.50	22.24	22.27	22.28	
			13	22.50	22.25	22.27	22.26	
			24	22.50	22.30	22.29	22.29	
		12	0	21.50	21.26	21.26	21.15	
			6	21.50	21.28	21.29	21.14	
			13	21.50	21.27	21.26	21.12	
	16QAM	25	0	21.50	21.30	21.30	21.18	
			1	0	22.50	22.23	22.27	22.26
				13	22.50	22.22	22.27	22.27
		24		22.50	22.27	22.29	22.29	
		12	0	21.50	21.24	21.29	21.14	
			6	21.50	21.22	21.26	21.11	
13	21.50		21.24	21.28	21.09			
25	0	21.50	21.28	21.33	21.18			
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	37800	38000	38200	
					2575.0MHz	2595.0MHz	2615.0MHz	
10MHz	QPSK	1	0	22.50	22.28	22.35	22.25	
			25	22.50	22.33	22.30	22.15	
			49	22.50	22.35	22.33	22.18	
		25	0	21.50	21.26	21.26	21.16	
			13	21.50	21.26	21.28	21.14	
			25	21.50	21.28	21.31	21.13	
	16QAM	50	0	21.50	21.27	21.27	21.16	
			1	0	22.50	22.29	22.35	22.25
				25	22.50	22.32	22.31	22.13
		25		49	22.50	22.40	22.31	22.17
			0	21.50	21.26	21.25	21.17	
			13	21.50	21.26	21.27	21.15	
25	21.50	21.29	21.29	21.14				
50	0	21.50	21.27	21.27	21.15			

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37825	38000	38175
					2577.5MHz	2595.0MHz	2612.5MHz
15MHz	QPSK	1	0	22.50	22.29	22.35	22.38
			38	22.50	22.34	22.37	22.23
			74	22.50	22.31	22.27	22.25
		36	0	21.50	21.21	21.26	21.22
			18	21.50	21.22	21.21	21.16
			39	21.50	21.25	21.23	21.12
	16QAM	75	0	21.50	21.22	21.26	21.18
			0	22.50	22.27	22.30	22.41
			38	22.50	22.35	22.36	22.23
		36	74	22.50	22.29	22.24	22.24
			0	21.50	21.20	21.26	21.25
			18	21.50	21.23	21.22	21.14
75	39	21.50	21.25	21.24	21.13		
	0	21.50	21.20	21.25	21.18		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	38750	38000
2580.0MHz						2595.0MHz	2610.0MHz
20MHz	QPSK	1	0	22.50	22.22	22.33	22.30
			50	22.50	22.27	22.35	22.29
			99	22.50	22.30	22.32	22.20
		50	0	21.50	21.31	21.33	21.32
			25	21.50	21.28	21.32	21.22
			50	21.50	21.24	21.28	21.17
	16QAM	100	0	21.50	21.30	21.28	21.24
			0	22.50	22.21	22.34	22.30
			50	22.50	22.26	22.39	22.27
		50	99	22.50	22.29	22.33	22.21
			0	21.50	21.30	21.33	21.31
			25	21.50	21.27	21.32	21.22
100	50	21.50	21.25	21.27	21.16		
	0	21.50	21.30	21.28	21.24		

11.1.10 Conducted Power of LTE Band 41

LTE-TDD Band 41					Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39675	40160	40620	41080	41565
					2498.5MHz	2552.0MHz	2593 MHz	2639.5 MHz	2687.5 MHz
5MHz	QPSK	1	0	23.50	23.08	23.03	23.00	22.86	22.60
			13	23.50	23.14	23.09	23.00	22.94	22.56
			24	23.50	23.10	23.09	23.00	22.90	22.65
		12	0	23.50	23.06	23.01	22.99	22.90	22.59
			6	23.00	22.99	22.98	22.97	22.72	22.50
			13	23.00	22.97	22.96	22.94	22.69	22.52
		25	0	23.50	23.05	23.03	23.01	22.75	22.55
			0	23.50	23.11	23.09	23.01	22.80	22.61
	16QAM	1	13	23.50	23.13	23.04	22.98	22.80	22.62
			24	23.50	23.12	23.05	22.98	22.77	22.69
			0	23.50	23.09	23.07	23.01	22.84	22.62
		12	6	23.50	23.04	23.01	22.97	22.88	22.62
			13	23.00	22.99	22.96	22.95	22.78	22.67
			0	23.50	23.06	23.05	23.02	22.77	22.70
		25	0	23.50	23.06	23.05	23.02	22.77	22.70
			0	23.50	23.11	23.09	23.01	22.80	22.61
10MHz	QPSK	1	0	23.50	23.11	23.11	23.11	22.81	22.71
			25	23.50	23.00	23.05	23.10	22.88	22.67
			49	23.50	23.09	23.08	23.08	22.95	22.77
		25	0	23.50	23.08	23.07	23.07	22.93	22.66
			13	23.50	23.09	23.07	23.05	22.93	22.67
			25	23.50	23.06	23.05	23.03	22.75	22.65
		50	0	23.50	23.08	23.07	23.06	22.88	22.68
			0	23.50	23.11	23.11	23.11	23.01	22.71
			25	23.50	23.02	23.08	23.10	23.02	22.72
	16QAM	1	49	23.50	23.08	23.08	23.09	23.01	22.78
			0	23.50	23.10	23.09	23.07	22.90	22.66
			13	23.50	23.09	23.06	23.05	22.78	22.70
		25	25	23.50	23.06	23.05	23.03	22.80	22.66
			0	23.50	23.09	23.08	23.04	22.76	22.69
			0	23.50	23.11	23.11	23.11	23.01	22.71
		50	25	23.50	23.02	23.08	23.10	23.02	22.72
			0	23.50	23.08	23.08	23.09	23.01	22.78

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Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39725	40160	40620	41030	41515
					2503.5MHz	2547.0MHz	2593.0MHz	2634.0MHz	2682.5MHz
15MHz	QPSK	1	0	23.50	23.10	23.10	23.10	22.82	22.72
			38	23.50	23.05	23.09	23.13	22.80	22.74
			74	23.50	22.98	23.01	23.05	22.98	22.82
		36	0	23.50	23.04	23.05	23.05	22.93	22.66
			18	23.50	22.98	23.00	23.01	22.86	22.59
			39	23.00	22.98	22.98	23.00	22.91	22.64
		75	0	23.50	23.03	23.04	23.04	22.79	22.64
	16QAM	1	0	23.50	23.10	23.10	23.09	22.85	22.73
			38	23.50	23.06	23.11	23.14	22.84	22.73
			74	23.50	22.98	22.98	23.02	22.95	22.82
		36	0	23.50	23.05	23.05	23.05	22.83	22.66
			18	23.50	22.98	23.01	23.02	22.84	22.59
			39	23.00	22.99	22.99	23.00	22.81	22.66
		75	0	23.50	23.04	23.04	23.05	22.93	22.66
20MHz	QPSK	1	0	23.50	23.09	23.12	23.16	22.89	22.77
			50	23.50	23.05	23.17	23.19	23.01	22.68
			99	23.50	23.00	23.03	23.07	23.04	22.83
		50	0	23.50	23.13	23.19	23.20	23.01	22.78
			25	23.50	23.07	23.10	23.12	22.84	22.69
			50	23.50	23.07	23.02	23.02	22.82	22.66
		100	0	23.50	23.07	23.08	23.08	22.91	22.69
		1	0	23.50	23.11	23.13	23.20	22.94	22.79
			50	23.50	23.03	23.06	23.14	22.85	22.71
			99	23.50	22.98	23.01	23.09	22.91	22.82
	16QAM	50	0	23.50	23.12	23.14	23.19	23.01	22.79
			25	23.50	23.07	23.08	23.11	22.87	22.70
			50	23.50	23.07	23.05	23.03	22.93	22.67
		100	0	23.50	23.09	23.08	23.07	22.88	22.68

11.1.11 Conducted Power of LTE Band 42

LTE-TDD Band 42				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		42115	42590	43065	
					3452.5MHz	3500.0MHz	3547.5MHz	
5MHz	QPSK	1	0	19.00	18.81	18.55	18.38	
			13	19.00	18.82	18.54	18.36	
			24	19.00	18.89	18.55	18.40	
		12	0	18.00	17.79	17.59	17.25	
			6	18.00	17.67	17.49	17.22	
			13	18.00	17.65	17.43	17.07	
	16QAM	25	0	18.00	17.76	17.56	17.15	
			1	0	19.00	18.74	18.61	18.42
				13	19.00	18.71	18.59	18.27
		12		24	19.00	18.84	18.62	18.28
			12	0	18.00	17.73	17.64	17.00
				6	18.00	17.75	17.62	16.95
13	18.00	17.70		17.57	17.03			
25	0	18.00	17.77	17.61	17.12			
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	42140	42590	43040	
					3455.0MHz	3500.0MHz	3545.0MHz	
10MHz	QPSK	1	0	19.00	18.88	17.83	17.46	
			25	19.00	18.90	18.15	17.86	
			49	19.00	18.87	18.20	17.80	
		25	0	18.00	17.82	17.23	16.87	
			13	18.00	17.76	17.17	16.79	
			25	18.00	17.75	17.14	16.75	
	16QAM	50	0	18.00	17.74	17.12	16.83	
			1	0	19.00	18.85	17.98	17.95
				25	19.00	18.84	17.85	17.84
		25		49	19.00	18.83	17.86	17.76
			25	0	18.00	17.72	16.88	16.88
				13	17.50	17.20	16.84	16.83
25	17.50	17.12		16.80	16.80			
		50	0	17.50	17.03	16.87	16.83	

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	42165	42590	43015
					3457.5MHz	3500.0MHz	3542.5MHz
15MHz	QPSK	1	0	18.50	18.47	18.34	18.08
			38	18.50	18.47	18.28	17.96
			74	18.50	18.48	18.20	17.87
		36	0	17.50	17.47	17.29	16.91
			18	17.50	17.43	17.21	16.81
			39	17.50	17.45	17.21	16.73
	16QAM	1	0	17.50	17.45	17.26	16.78
			0	18.50	18.44	18.31	18.12
			38	19.00	18.51	18.29	17.98
		36	74	19.00	18.51	18.23	17.88
			0	17.50	17.46	17.20	16.93
			18	17.50	17.48	17.22	16.80
20MHz	QPSK	1	39	17.50	17.50	17.22	16.73
			75	0	17.50	17.28	16.83
		50	0	17.50	17.41	17.15	16.78
			0	18.50	18.46	18.31	18.15
		100	50	18.50	18.47	18.23	17.87
			99	18.50	18.46	18.16	17.77
	16QAM	1	0	17.50	17.46	17.22	17.01
			50	25	17.50	17.26	16.87
			50	17.50	17.45	17.18	16.69
		50	0	17.50	17.33	17.11	16.78
			0	17.50	17.33	17.11	16.78
			0	17.50	17.33	17.11	16.78

11.1.12 Conducted Power of LTE Band 66

LTE-FDD Band 66				Maximum Tune- up(dBm)	Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset		131979	132322	132665		
					1710.7MHz	1755.0MHz	1779.3MHz		
1.4MHz	QPSK	1	0	22.50	22.11	22.21	22.29		
			2	22.50	22.14	22.21	22.28		
			5	22.50	22.14	22.22	22.29		
		3	0	22.50	22.06	22.17	22.34		
			2	22.50	22.05	22.14	22.33		
			3	22.50	22.08	22.15	22.32		
	16QAM	6	0	21.50	21.07	21.18	21.28		
			0	22.50	22.14	22.22	22.29		
			2	22.50	22.18	22.22	22.32		
		1	5	22.50	22.16	22.24	22.30		
			0	22.50	22.06	22.17	22.34		
			2	22.50	22.04	22.16	22.34		
3	3	22.50	22.10	22.15	22.32				
	6	0	21.50	21.10	21.22	21.29			
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	131987	132322	132657	
1711.5MHz						1755.0MHz	1778.5MHz		
3MHz	QPSK	1	0	22.50	22.17	22.22	22.24		
			7	22.50	22.11	22.23	22.29		
			14	22.50	22.13	22.23	22.32		
		8	0	21.50	21.12	21.23	21.34		
			4	21.50	21.12	21.21	21.29		
			7	21.50	21.13	21.22	21.29		
	16QAM	15	0	21.50	21.13	21.22	21.34		
			0	22.50	22.17	22.22	22.28		
			7	22.50	22.16	22.26	22.28		
		1	14	22.50	22.13	22.22	22.30		
			0	21.50	21.14	21.23	21.25		
			8	4	21.50	21.10	21.25	21.24	
5MHz	QPSK	1	7	21.50	21.14	21.26	21.24		
			15	0	21.50	21.14	21.28	21.30	
			0	22.50	22.17	22.22	22.28		
		12	7	22.50	22.16	22.26	22.28		
			14	22.50	22.13	22.22	22.30		
			0	21.50	21.14	21.23	21.25		
	16QAM	8	4	21.50	21.10	21.25	21.24		
			7	21.50	21.14	21.26	21.24		
			15	0	21.50	21.14	21.28	21.30	
		Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	131997	132322	132647
							1712.5MHz	1755.0MHz	1775.0MHz
		5MHz	QPSK	1	0	22.50	22.29	22.44	22.25
13	22.50				22.29	22.41	22.27		
24	22.50				22.32	22.49	22.30		
12	0			21.50	21.22	21.32	21.32		
	6			21.50	21.21	21.26	21.29		
	13			21.50	21.23	21.31	21.32		
16QAM	25		0	21.50	21.28	21.35	21.35		
			0	22.50	22.29	22.43	22.33		
			13	22.50	22.32	22.42	22.31		
	1		24	22.50	22.33	22.39	22.35		
			0	21.50	21.23	21.30	21.34		
			6	21.50	21.22	21.29	21.31		
12	13	21.50	21.24	21.30	21.31				
	25	0	21.50	21.28	21.36	21.35			

LTE-FDD Band 66				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		132022 1715.0MHz	132322 1755.0MHz	132622 1775.0MHz
10MHz	QPSK	1	0	22.50	22.33	22.30	22.44
			25	22.50	22.33	22.29	22.34
			49	22.50	22.32	22.37	22.41
		25	0	21.50	21.28	21.33	21.38
			13	21.50	21.31	21.33	21.33
			25	21.50	21.30	21.33	21.29
	16QAM	50	0	21.50	21.28	21.38	21.34
			0	22.50	22.28	22.31	22.42
			25	22.50	22.28	22.30	22.33
		1	49	22.50	22.28	22.36	22.40
			0	21.50	21.27	21.33	21.36
			13	21.50	21.30	21.32	21.32
15MHz	QPSK	25	25	21.50	21.30	21.33	21.31
			0	21.50	21.28	21.39	21.35
			0	21.50	21.28	21.39	21.35
	16QAM	50	0	21.50	21.28	21.39	21.35
			0	21.50	21.28	21.39	21.35
			0	21.50	21.28	21.39	21.35
20MHz	QPSK	1	0	22.50	22.30	22.35	22.45
			38	22.50	22.32	22.39	22.41
			74	22.50	22.35	22.41	22.44
		36	0	21.50	21.28	21.32	21.33
			18	21.50	21.25	21.27	21.29
			39	21.50	21.26	21.31	21.28
	16QAM	75	0	21.50	21.27	21.32	21.33
			0	23.00	22.25	22.33	22.54
			38	22.50	22.31	22.34	22.47
		36	74	22.50	22.31	22.39	22.49
			0	21.50	21.29	21.30	21.34
			18	21.50	21.26	21.28	21.28
20MHz	QPSK	39	39	21.50	21.27	21.31	21.29
			0	21.50	21.29	21.31	21.32
			0	21.50	21.29	21.31	21.32
	16 QAM	1	0	22.50	22.32	22.48	22.45
			50	22.50	22.33	22.42	22.35
			99	23.00	22.38	22.52	22.32
	16 QAM	50	0	21.50	21.36	21.42	21.47
			25	21.50	21.32	21.38	21.36
			50	21.50	21.36	21.36	21.30
20MHz	16 QAM	100	0	21.50	21.34	21.35	21.37
			0	22.50	22.32	22.42	22.47
			50	22.50	22.35	22.38	22.32
	16 QAM	1	99	22.50	22.41	22.47	22.33
			0	21.50	21.36	21.41	21.46
			25	21.50	21.35	21.38	21.37
20MHz	16 QAM	50	50	21.50	21.34	21.37	21.31
			0	21.50	21.36	21.39	21.38
			0	21.50	21.36	21.39	21.38
	16 QAM	100	0	21.50	21.36	21.39	21.38
			0	21.50	21.36	21.39	21.38
			0	21.50	21.36	21.39	21.38

11.1.13 Conducted Power of NR n5

NR n5				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		165800	167300	168800
					829.0MHz	836.5MHz	844.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.50	23.09	23.20	23.26
	DFT_QPSK	24@0	LOW	22.50	22.04	22.34	22.33
	DFT_QPSK	12@6	LOW	23.50	23.10	23.36	23.29
	DFT_QPSK	1@1	LOW	23.50	23.34	23.55	23.31
	DFT_QPSK	1@22	LOW	23.50	23.27	23.60	23.28
	DFT_QAM16	1@1	LOW	22.00	21.86	22.56	22.59
	DFT_QAM64	1@1	LOW	20.50	20.33	20.94	20.52
	DFT_QAM256	1@1	LOW	19.00	18.72	18.73	19.12
	CP_QPSK	1@1	LOW	22.50	22.32	22.24	22.48
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	166300	167300	168300
					831.5MHz	836.5MHz	841.5MHz
15MHz	DFT_BPSK	1@1	LOW	24.00	23.52	23.47	23.29
	DFT_QPSK	36@0	LOW	22.50	22.42	22.45	22.36
	DFT_QPSK	18@9	LOW	23.50	23.39	23.45	23.39
	DFT_QPSK	1@1	LOW	23.50	23.42	23.39	23.03
	DFT_QPSK	1@36	LOW	23.50	23.35	23.33	22.97
	DFT_QAM16	1@1	LOW	23.00	22.53	22.34	22.66
	DFT_QAM64	1@1	LOW	21.50	20.77	21.16	20.90
	DFT_QAM256	1@1	LOW	19.50	18.58	18.91	19.02
	CP_QPSK	1@1	LOW	22.50	21.52	21.81	22.12
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	166800	167300	167800
					834.0MHz	836.5MHz	839.0MHz
20MHz	DFT_BPSK	1@1	LOW	23.50	23.42	23.39	23.47
	DFT_QPSK	50@0	LOW	22.50	22.41	22.38	22.42
	DFT_QPSK	25@12	LOW	23.50	23.44	23.43	23.46
	DFT_QPSK	1@1	LOW	23.50	23.34	23.49	23.50
	DFT_QPSK	1@49	LOW	23.50	23.24	23.35	23.34
	DFT_QAM16	1@1	LOW	23.00	22.53	22.29	22.34
	DFT_QAM64	1@1	LOW	21.00	20.91	20.66	20.96
	DFT_QAM256	1@1	LOW	19.00	18.86	18.76	19.06
	CP_QPSK	1@1	LOW	22.50	22.03	22.11	21.92

11.1.14 Conducted Power of NR n7

NR n7				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		501000	507000	513000
					2505.0MHz	2535.0MHz	2565.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.00	22.21	22.48	22.56
	DFT_QPSK	24@0	LOW	21.50	21.29	21.35	21.59
	DFT_QPSK	12@6	LOW	22.50	22.29	22.31	22.59
	DFT_QPSK	1@1	LOW	22.50	22.40	22.28	22.71
	DFT_QPSK	1@22	LOW	23.00	22.57	22.42	22.70
	DFT_QAM16	1@1	LOW	21.50	21.49	21.30	21.95
	DFT_QAM64	1@1	LOW	19.50	19.41	19.86	20.50
	DFT_QAM256	1@1	LOW	18.50	18.15	17.99	18.71
	CP_QPSK	1@1	LOW	21.50	21.29	20.99	21.66
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	501500	507000	512000
					2507.5MHz	2535.0MHz	2562.5MHz
15MHz	DFT_BPSK	1@1	LOW	22.50	22.33	22.20	22.43
	DFT_QPSK	36@0	LOW	22.00	21.41	21.37	21.58
	DFT_QPSK	18@9	LOW	23.00	22.51	22.32	22.53
	DFT_QPSK	1@1	LOW	22.50	22.00	22.11	22.43
	DFT_QPSK	1@36	LOW	22.50	22.00	22.26	22.46
	DFT_QAM16	1@1	LOW	22.00	21.75	21.29	21.44
	DFT_QAM64	1@1	LOW	20.50	20.00	20.09	19.71
	DFT_QAM256	1@1	LOW	18.00	17.85	17.83	17.93
	CP_QPSK	1@1	LOW	21.50	20.88	21.27	21.21
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	502000	507000	512000
					2510.0MHz	2535.0MHz	2560.0MHz
20MHz	DFT_BPSK	1@1	LOW	23.00	22.28	22.06	22.60
	DFT_QPSK	50@0	LOW	22.00	21.51	21.32	21.59
	DFT_QPSK	25@12	LOW	22.50	22.49	22.35	22.59
	DFT_QPSK	1@1	LOW	22.50	22.24	22.41	22.61
	DFT_QPSK	1@49	LOW	22.50	22.30	22.52	22.73
	DFT_QAM16	1@1	LOW	21.50	21.42	21.48	21.90
	DFT_QAM64	1@1	LOW	20.50	20.05	20.19	20.01
	DFT_QAM256	1@1	LOW	18.50	18.06	18.08	18.07
	CP_QPSK	1@1	LOW	21.00	20.86	20.94	20.88

11.1.15 Conducted Power of NR n12

NR n12				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		140800 704.0MHz	141500 707.5MHz	142200 711.0MHz
5MHz	DFT_BPSK	1@1	LOW	25.00	24.28	24.55	24.43
	DFT_QPSK	25@0	LOW	23.50	23.30	23.21	23.27
	DFT_QPSK	12@6	LOW	24.50	24.37	24.39	24.26
	DFT_QPSK	1@1	LOW	24.50	24.36	24.24	24.23
	DFT_QPSK	1@23	LOW	24.50	24.47	24.19	24.24
	DFT_QAM16	1@1	LOW	24.00	23.67	23.33	23.41
	DFT_QAM64	1@1	LOW	22.00	21.57	21.69	22.03
	DFT_QAM256	1@1	LOW	20.50	20.13	19.73	20.19
	CP_QPSK	1@1	LOW	23.50	23.27	22.80	23.51
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	140800 704.0MHz	141500 707.5MHz	142200 711.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.50	24.37	24.25	24.25
	DFT_QPSK	50@0	LOW	23.50	23.32	23.31	23.23
	DFT_QPSK	25@12	LOW	24.50	24.34	24.29	24.31
	DFT_QPSK	1@1	LOW	24.50	24.06	24.12	24.35
	DFT_QPSK	1@50	LOW	24.50	23.92	24.03	24.31
	DFT_QAM16	1@1	LOW	23.50	23.33	23.26	22.95
	DFT_QAM64	1@1	LOW	22.00	21.91	21.38	21.51
	DFT_QAM256	1@1	LOW	20.00	19.54	19.53	19.61
	CP_QPSK	1@1	LOW	23.00	22.87	22.62	22.95
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	141300 706.5MHz	141500 707.5MHz	141700 708.8MHz
15MHz	DFT_BPSK	1@1	LOW	25.00	24.66	24.39	24.25
	DFT_QPSK	75@0	LOW	23.50	23.36	23.32	23.30
	DFT_QPSK	36@18	LOW	24.50	24.28	24.31	24.31
	DFT_QPSK	1@1	LOW	25.00	24.68	24.34	24.33
	DFT_QPSK	1@77	LOW	25.00	24.54	24.18	24.19
	DFT_QAM16	1@1	LOW	24.00	23.67	23.35	23.98
	DFT_QAM64	1@1	LOW	22.50	22.32	21.92	22.02
	DFT_QAM256	1@1	LOW	20.50	20.36	19.79	19.84
	CP_QPSK	1@1	LOW	23.00	22.51	23.08	23.02

11.1.15 Conducted Power of NR n38

NR n38				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		515000	519000	523000
					2575.0MHz	2595.0MHz	2615.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.00	22.31	22.55	22.54
	DFT_QPSK	24@0	LOW	22.00	21.53	21.70	21.46
	DFT_QPSK	12@6	LOW	23.00	22.73	22.66	22.53
	DFT_QPSK	1@1	LOW	23.00	22.54	22.55	22.58
	DFT_QPSK	1@22	LOW	23.00	22.53	22.59	22.52
	DFT_QAM16	1@1	LOW	21.50	21.39	21.75	21.60
	DFT_QAM64	1@1	LOW	20.50	20.46	19.81	20.16
	DFT_QAM256	1@1	LOW	18.00	17.90	18.13	18.23
	CP_QPSK	1@1	LOW	21.00	20.90	21.12	21.05
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	515500	519000	522500
					2577.5MHz	2595.0MHz	2612.5MHz
15MHz	DFT_BPSK	1@1	LOW	23.00	22.53	22.18	22.23
	DFT_QPSK	36@0	LOW	22.00	21.58	21.57	21.65
	DFT_QPSK	18@9	LOW	23.00	22.63	22.50	22.48
	DFT_QPSK	1@1	LOW	22.50	22.47	22.35	22.07
	DFT_QPSK	1@36	LOW	23.00	22.51	22.51	21.95
	DFT_QAM16	1@1	LOW	21.50	21.47	21.43	21.35
	DFT_QAM64	1@1	LOW	20.50	20.33	20.43	19.90
	DFT_QAM256	1@1	LOW	18.00	17.80	17.80	17.91
	CP_QPSK	1@1	LOW	22.00	20.99	20.86	21.65
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	522500	519000	522000
					2580.0MHz	2595.0MHz	2610.0MHz
20MHz	DFT_BPSK	1@1	LOW	22.50	22.43	22.45	22.49
	DFT_QPSK	50@0	LOW	22.00	21.68	21.61	21.72
	DFT_QPSK	25@12	LOW	22.50	22.50	22.57	22.55
	DFT_QPSK	1@1	LOW	22.50	22.34	22.48	22.56
	DFT_QPSK	1@49	LOW	22.50	22.38	22.67	22.51
	DFT_QAM16	1@1	LOW	21.50	21.41	21.82	21.82
	DFT_QAM64	1@1	LOW	20.00	19.84	20.13	20.09
	DFT_QAM256	1@1	LOW	18.00	17.92	18.38	17.96
	CP_QPSK	1@1	LOW	21.00	20.51	21.19	21.22

11.1.16 Conducted Power of NR n41

NR n41					Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	501204	518598	535998
					2506.0MHz	2593.0MHz	2680.0MHz
20MHz	DFT_BPSK	1@1	LOW	22.50	22.16	21.98	21.72
	DFT_QPSK	50@0	LOW	21.50	21.26	21.25	20.84
	DFT_QPSK	25@12	LOW	22.50	22.34	22.35	21.84
	DFT_QPSK	1@1	LOW	22.50	22.18	22.17	21.81
	DFT_QPSK	1@49	LOW	22.50	22.21	22.28	21.77
	DFT_QAM16	1@1	LOW	21.50	21.25	20.85	20.98
	DFT_QAM64	1@1	LOW	20.00	19.89	20.32	19.41
	DFT_QAM256	1@1	LOW	18.00	17.77	17.67	17.55
	CP_QPSK	1@1	LOW	21.00	20.69	20.55	20.52
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	504204	518598	532998
					2521.0MHz	2593.0MHz	2665.0MHz
50MHz	DFT_BPSK	1@1	LOW	22.50	22.12	22.11	21.82
	DFT_QPSK	128@0	LOW	21.50	21.33	21.15	20.93
	DFT_QPSK	64@32	LOW	22.50	22.33	22.23	22.00
	DFT_QPSK	1@1	LOW	22.50	22.09	22.01	21.86
	DFT_QPSK	1@131	LOW	22.50	22.06	22.12	21.73
	DFT_QAM16	1@1	LOW	21.50	20.94	21.17	20.76
	DFT_QAM64	1@1	LOW	20.00	19.38	19.74	19.47
	DFT_QAM256	1@1	LOW	18.00	17.32	17.88	17.34
	CP_QPSK	1@1	LOW	21.00	20.55	20.48	20.73
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	509202	518598	528000
					2546.0MHz	2593.0MHz	2640.0MHz
100MHz	DFT_BPSK	1@1	LOW	22.50	22.10	22.13	22.15
	DFT_QPSK	270@0	LOW	21.50	21.31	21.20	21.13
	DFT_QPSK	135@67	LOW	22.50	22.25	22.27	22.09
	DFT_QPSK	1@1	LOW	22.50	22.03	22.20	22.05
	DFT_QPSK	1@271	LOW	22.50	22.03	21.99	21.76
	DFT_QAM16	1@1	LOW	21.50	21.30	21.44	20.99
	DFT_QAM64	1@1	LOW	20.00	19.57	19.54	19.67
	DFT_QAM256	1@1	LOW	18.00	17.63	17.52	17.59
	CP_QPSK	1@1	LOW	21.00	20.53	20.49	20.51

11.1.17 Conducted Power of NR n66

NR n66				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		343000	349000	355000
					1715.0MHz	1745.0MHz	1775.0MHz
10MHz	DFT_BPSK	1@1	LOW	23.00	22.78	22.91	22.97
	DFT_QPSK	24@0	LOW	22.00	21.82	21.94	21.77
	DFT_QPSK	12@6	LOW	23.00	22.79	22.98	22.81
	DFT_QPSK	1@1	LOW	23.50	22.97	23.07	22.82
	DFT_QPSK	1@22	LOW	23.50	22.54	23.07	22.77
	DFT_QAM16	1@1	LOW	22.50	22.06	22.18	21.84
	DFT_QAM64	1@1	LOW	20.50	20.35	20.07	20.22
	DFT_QAM256	1@1	LOW	18.50	18.39	18.95	18.37
	CP_QPSK	1@1	LOW	21.50	21.40	21.65	21.13
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	344000	349000	354000
					1720.0MHz	1745.0MHz	1770.0MHz
20MHz	DFT_BPSK	1@1	LOW	23.00	22.64	22.89	22.96
	DFT_QPSK	50@0	LOW	22.00	21.91	21.99	21.89
	DFT_QPSK	25@12	LOW	23.50	22.94	23.01	22.93
	DFT_QPSK	1@1	LOW	23.00	22.79	22.92	23.00
	DFT_QPSK	1@49	LOW	23.00	22.88	22.85	22.73
	DFT_QAM16	1@1	LOW	22.50	22.12	22.12	22.31
	DFT_QAM64	1@1	LOW	21.00	20.55	20.64	20.65
	DFT_QAM256	1@1	LOW	19.00	18.70	18.40	18.42
	CP_QPSK	1@1	LOW	22.00	21.55	21.39	21.73
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	346000	349000	352000
					1730.0MHz	1745.0MHz	1760.0MHz
40MHz	DFT_BPSK	1@1	LOW	23.50	22.81	23.01	22.87
	DFT_QPSK	100@0	LOW	22.00	21.97	22.02	22.05
	DFT_QPSK	50@25	LOW	23.00	22.99	23.05	23.06
	DFT_QPSK	1@1	LOW	23.00	22.89	22.95	23.00
	DFT_QPSK	1@104	LOW	23.00	22.84	22.97	22.85
	DFT_QAM16	1@1	LOW	22.00	21.73	22.06	22.02
	DFT_QAM64	1@1	LOW	20.50	20.22	20.55	20.71
	DFT_QAM256	1@1	LOW	18.50	18.37	18.79	18.65
	CP_QPSK	1@1	LOW	22.00	21.56	21.45	21.56

11.1.18 Conducted Power of NR n71

NR n66				Maximum Tune- up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		133100	136100	139100	
					665.5MHz	680.5MHz	695.5MHz	
5MHz	DFT_BPSK	1@1	LOW	24.50	24.20	24.47	24.37	
	DFT_QPSK	24@0	LOW	23.50	23.23	23.37	23.36	
	DFT_QPSK	12@6	LOW	24.50	24.25	24.37	24.34	
	DFT_QPSK	1@1	LOW	24.50	24.34	24.41	24.48	
	DFT_QPSK	1@22	LOW	24.50	24.43	24.35	24.43	
	DFT_QAM16	1@1	LOW	23.50	23.33	23.31	23.81	
	DFT_QAM64	1@1	LOW	21.50	21.35	21.85	22.12	
	DFT_QAM256	1@1	LOW	20.00	19.99	20.08	20.54	
	CP_QPSK	1@1	LOW	23.50	23.12	22.96	23.39	
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	133600	136100	138600	
					668MHz	680.5MHz	693MHz	
10MHz	DFT_BPSK	1@1	LOW	24.50	24.19	24.24	24.30	
	DFT_QPSK	50@0	LOW	23.50	23.35	23.34	23.37	
	DFT_QPSK	25@12	LOW	24.50	24.34	24.36	24.35	
	DFT_QPSK	1@1	LOW	24.50	23.83	24.21	24.36	
	DFT_QPSK	1@49	LOW	24.50	23.95	24.16	24.31	
	DFT_QAM16	1@1	LOW	23.50	23.48	23.34	23.44	
	DFT_QAM64	1@1	LOW	22.50	22.02	22.12	21.73	
	DFT_QAM256	1@1	LOW	20.00	19.71	19.81	19.95	
	CP_QPSK	1@1	LOW	23.50	22.73	23.30	23.04	
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	134600	136100	137600	
					673MHz	680.5MHz	688MHz	
	DFT_BPSK	1@1	LOW	25.00	24.24	24.18	24.56	
	DFT_QPSK	100@0	LOW	23.50	23.38	23.32	23.34	
20MHz	DFT_QPSK	50@25	LOW	24.50	24.40	24.41	24.36	
	DFT_QPSK	1@1	LOW	24.50	24.18	24.48	24.49	
	DFT_QPSK	1@104	LOW	24.50	24.31	24.46	24.43	
	DFT_QAM16	1@1	LOW	23.50	23.25	23.63	23.87	
	DFT_QAM64	1@1	LOW	22.00	21.94	22.19	21.93	
	DFT_QAM256	1@1	LOW	20.50	20.03	20.00	19.95	
		CP_QPSK	1@1	LOW	23.00	22.76	22.92	22.85

11.1.19 Conducted Power of NR n77(3450-3550)

NR n77				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		630334	633334	636332
					3455.0MHz	3500.0MHz	3545.0MHz
10MHz	DFT_BPSK	1@1	LOW	25.00	24.47	24.85	24.39
	DFT_QPSK	24@0	LOW	24.00	23.60	23.71	23.18
	DFT_QPSK	12@6	LOW	25.00	24.65	24.77	24.16
	DFT_QPSK	1@1	LOW	25.00	24.75	24.97	24.29
	DFT_QPSK	1@22	LOW	25.00	24.67	24.85	24.23
	DFT_QAM16	1@1	LOW	24.00	23.66	23.89	23.14
	DFT_QAM64	1@1	LOW	23.00	22.69	22.26	22.04
	DFT_QAM256	1@1	LOW	20.50	20.15	20.52	20.00
	CP_QPSK	1@1	LOW	23.50	23.22	23.55	22.77
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	631668	633334	635000
					3475.0MHz	3500.0MHz	3525.0MHz
50MHz	DFT_BPSK	1@1	LOW	25.00	24.36	24.67	24.41
	DFT_QPSK	128@0	LOW	24.00	23.75	23.73	23.57
	DFT_QPSK	64@32	LOW	25.00	24.79	24.71	24.56
	DFT_QPSK	1@1	LOW	25.00	24.33	24.60	24.49
	DFT_QPSK	1@131	LOW	25.00	24.54	24.30	24.11
	DFT_QAM16	1@1	LOW	24.00	23.41	23.54	23.65
	DFT_QAM64	1@1	LOW	22.50	22.01	22.48	22.00
	DFT_QAM256	1@1	LOW	20.50	20.06	20.05	20.16
	CP_QPSK	1@1	LOW	23.50	23.08	23.03	23.21
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	633334		
					3500.0MHz		
100MHz	DFT_BPSK	1@1	LOW	25.00	24.47		
	DFT_QPSK	270@0	LOW	24.00	23.63		
	DFT_QPSK	135@67	LOW	25.00	24.73		
	DFT_QPSK	1@1	LOW	24.50	24.43		
	DFT_QPSK	1@271	LOW	24.50	24.05		
	DFT_QAM16	1@1	LOW	23.50	23.34		
	DFT_QAM64	1@1	LOW	22.00	21.89		
	DFT_QAM256	1@1	LOW	20.00	19.90		
	CP_QPSK	1@1	LOW	23.50	23.02		

11.1.20 Conducted Power of NR n77(3550-3700)

NR n77				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		637000	641666	646332
					3560.0MHz	3625.0MHz	3695.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.50	24.23	24.10	23.94
	DFT_QPSK	24@0	LOW	23.50	23.15	23.08	23.08
	DFT_QPSK	12@6	LOW	24.50	24.14	24.11	24.21
	DFT_QPSK	1@1	LOW	24.50	24.24	24.09	24.38
	DFT_QPSK	1@22	LOW	24.50	24.16	24.01	24.05
	DFT_QAM16	1@1	LOW	23.50	23.03	22.61	22.86
	DFT_QAM64	1@1	LOW	22.00	21.99	21.77	21.96
	DFT_QAM256	1@1	LOW	20.00	19.81	19.94	19.57
	CP_QPSK	1@1	LOW	23.00	22.91	23.10	22.61
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	638334	641666	645000
					3575.0MHz	3625.0MHz	3675.0MHz
50MHz	DFT_BPSK	1@1	LOW	24.00	23.91	23.79	23.88
	DFT_QPSK	128@0	LOW	23.50	23.12	22.97	23.05
	DFT_QPSK	64@32	LOW	24.50	24.11	24.02	23.97
	DFT_QPSK	1@1	LOW	24.00	23.94	23.80	23.78
	DFT_QPSK	1@131	LOW	24.00	23.89	23.84	23.94
	DFT_QAM16	1@1	LOW	23.50	23.09	22.67	22.77
	DFT_QAM64	1@1	LOW	22.00	21.46	21.23	21.54
	DFT_QAM256	1@1	LOW	20.00	19.53	19.14	19.71
	CP_QPSK	1@1	LOW	23.00	22.64	22.24	22.24
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	640000	641666	643332
					3600.0MHz	3625.0MHz	3650.0MHz
100MHz	DFT_BPSK	1@1	LOW	24.00	23.89	23.84	23.82
	DFT_QPSK	270@0	LOW	23.50	23.04	23.03	22.94
	DFT_QPSK	135@67	LOW	24.50	24.06	23.97	24.00
	DFT_QPSK	1@1	LOW	24.00	23.98	23.79	23.79
	DFT_QPSK	1@271	LOW	24.00	23.86	23.72	23.93
	DFT_QAM16	1@1	LOW	23.00	22.92	22.96	22.76
	DFT_QAM64	1@1	LOW	22.00	21.60	21.37	21.23
	DFT_QAM256	1@1	LOW	20.00	19.57	19.44	19.06
	CP_QPSK	1@1	LOW	22.50	22.45	22.28	22.19

11.1.21 Conducted Power of NR n77(3700-3980)

NR n77				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		647000	656000	665000
					3705.0MHz	3890.0MHz	3975.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.50	24.01	24.19	23.81
	DFT_QPSK	24@0	LOW	23.00	22.98	23.10	22.94
	DFT_QPSK	12@6	LOW	24.00	23.99	24.11	23.95
	DFT_QPSK	1@1	LOW	24.50	24.04	24.16	23.74
	DFT_QPSK	1@22	LOW	24.00	23.93	24.15	23.90
	DFT_QAM16	1@1	LOW	23.50	23.12	22.95	22.32
	DFT_QAM64	1@1	LOW	21.50	21.41	21.91	21.49
	DFT_QAM256	1@1	LOW	20.00	19.75	19.72	19.69
	CP_QPSK	1@1	LOW	22.50	22.44	22.87	22.87
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	648334	656000	663666
					3725.0MHz	3890.0MHz	3955.0MHz
50MHz	DFT_BPSK	1@1	LOW	24.00	23.81	23.95	23.58
	DFT_QPSK	128@0	LOW	23.50	22.96	23.16	22.82
	DFT_QPSK	64@32	LOW	24.50	23.99	24.18	23.68
	DFT_QPSK	1@1	LOW	24.50	23.79	24.02	23.56
	DFT_QPSK	1@131	LOW	24.50	23.79	24.26	23.89
	DFT_QAM16	1@1	LOW	23.50	22.71	23.17	22.47
	DFT_QAM64	1@1	LOW	22.00	21.70	21.50	21.01
	DFT_QAM256	1@1	LOW	20.00	19.28	19.58	19.08
	CP_QPSK	1@1	LOW	23.00	22.29	22.75	22.02
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	650000	656000	662000
					3750.0MHz	3890.0MHz	3930.0MHz
100MHz	DFT_BPSK	1@1	LOW	24.50	23.83	23.96	24.02
	DFT_QPSK	270@0	LOW	23.50	23.02	23.19	22.99
	DFT_QPSK	135@67	LOW	24.50	24.16	24.20	23.88
	DFT_QPSK	1@1	LOW	24.00	23.77	24.05	23.97
	DFT_QPSK	1@271	LOW	24.00	23.89	24.18	23.84
	DFT_QAM16	1@1	LOW	23.00	22.74	23.02	23.12
	DFT_QAM64	1@1	LOW	22.00	21.52	21.64	21.53
	DFT_QAM256	1@1	LOW	20.00	19.63	19.62	19.63
	CP_QPSK	1@1	LOW	22.50	22.21	22.86	22.39

11.1.22 Conducted Power of NR n78(3450-3550)

NR n78				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		630334 3455.0MHz	633334 3500.0MHz	636332 3545.0MHz
10MHz	DFT_BPSK	1@1	LOW	25.00	24.04	24.75	24.20
	DFT_QPSK	24@0	LOW	23.50	23.07	23.59	23.17
	DFT_QPSK	12@6	LOW	24.50	24.11	24.60	24.27
	DFT_QPSK	1@1	LOW	24.50	24.05	24.72	24.16
	DFT_QPSK	1@22	LOW	24.50	24.12	24.64	24.10
	DFT_QAM16	1@1	LOW	23.50	23.14	23.53	22.72
	DFT_QAM64	1@1	LOW	21.50	21.47	22.42	21.87
	DFT_QAM256	1@1	LOW	20.00	19.75	20.39	20.04
	CP_QPSK	1@1	LOW	22.50	22.42	23.38	23.07
50MHz	DFT_BPSK	1@1	LOW	25.00	24.33	24.63	24.41
	DFT_QPSK	128@0	LOW	24.00	23.66	23.71	23.43
	DFT_QPSK	64@32	LOW	25.00	24.78	24.66	24.41
	DFT_QPSK	1@1	LOW	25.00	24.35	24.63	24.40
	DFT_QPSK	1@131	LOW	24.50	24.42	24.36	23.99
	DFT_QAM16	1@1	LOW	24.00	23.15	23.81	23.26
	DFT_QAM64	1@1	LOW	22.50	22.21	22.13	21.83
	DFT_QAM256	1@1	LOW	20.50	19.82	20.20	19.89
	CP_QPSK	1@1	LOW	23.50	22.79	23.11	22.83
100MHz	DFT_BPSK	1@1	LOW	24.50	633334		
	DFT_QPSK	270@0	LOW	24.00	3500.0MHz		
	DFT_QPSK	135@67	LOW	25.00			
	DFT_QPSK	1@1	LOW	24.50			
	DFT_QPSK	1@271	LOW	24.00			
	DFT_QAM16	1@1	LOW	23.50			
	DFT_QAM64	1@1	LOW	22.50			
	DFT_QAM256	1@1	LOW	20.50			
	CP_QPSK	1@1	LOW	23.00			

11.1.23 Conducted Power of NR n78(3550-3700)

NR n78				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		637000	641666	646332
					3560.0MHz	3625.0MHz	3695.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.00	23.97	23.85	23.81
	DFT_QPSK	24@0	LOW	23.50	23.05	22.90	22.88
	DFT_QPSK	12@6	LOW	24.50	24.17	23.94	23.85
	DFT_QPSK	1@1	LOW	24.50	24.01	23.83	23.93
	DFT_QPSK	1@22	LOW	24.00	23.96	23.69	23.98
	DFT_QAM16	1@1	LOW	23.00	22.90	22.83	22.73
	DFT_QAM64	1@1	LOW	22.00	21.90	21.46	21.02
	DFT_QAM256	1@1	LOW	20.00	19.51	19.41	18.98
	CP_QPSK	1@1	LOW	23.00	22.62	22.81	22.27
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	638334	641666	645000
					3575.0MHz	3625.0MHz	3675.0MHz
50MHz	DFT_BPSK	1@1	LOW	24.00	23.91	23.51	23.46
	DFT_QPSK	128@0	LOW	23.00	22.95	22.72	22.71
	DFT_QPSK	64@32	LOW	24.00	23.94	23.80	23.64
	DFT_QPSK	1@1	LOW	24.00	23.80	23.58	23.43
	DFT_QPSK	1@131	LOW	24.00	23.69	23.52	23.59
	DFT_QAM16	1@1	LOW	23.00	22.79	22.55	22.53
	DFT_QAM64	1@1	LOW	22.00	21.56	21.27	21.00
	DFT_QAM256	1@1	LOW	20.00	19.74	19.18	18.98
	CP_QPSK	1@1	LOW	22.50	22.18	22.21	21.88
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	640000	641666	641332
					3600.0MHz	3625.0MHz	3650.0MHz
100MHz	DFT_BPSK	1@1	LOW	24.00	23.83	23.58	23.51
	DFT_QPSK	128@0	LOW	23.00	22.82	22.62	22.71
	DFT_QPSK	64@32	LOW	24.00	23.86	23.60	23.65
	DFT_QPSK	1@1	LOW	24.00	23.79	23.60	23.52
	DFT_QPSK	1@131	LOW	23.50	23.42	23.34	23.58
	DFT_QAM16	1@1	LOW	23.00	22.74	22.70	22.39
	DFT_QAM64	1@1	LOW	21.50	21.24	21.33	21.39
	DFT_QAM256	1@1	LOW	19.50	19.14	19.34	19.04
	CP_QPSK	1@1	LOW	22.50	22.17	22.26	21.94

11.1.24 Conducted Power of NR n78(3700-3800)

NR n78				Maximum Tune- up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		647000	650000	653000
					3705.0MHz	3750.0MHz	3795.0MHz
10MHz	DFT_BPSK	1@1	LOW	24.00	23.70	23.88	23.73
	DFT_QPSK	24@0	LOW	23.00	22.82	22.96	22.67
	DFT_QPSK	12@6	LOW	24.00	23.83	24.09	23.72
	DFT_QPSK	1@1	LOW	24.00	23.73	23.88	23.81
	DFT_QPSK	1@22	LOW	24.00	23.67	23.89	23.82
	DFT_QAM16	1@1	LOW	23.00	22.51	22.86	22.61
	DFT_QAM64	1@1	LOW	22.00	21.66	21.50	20.91
	DFT_QAM256	1@1	LOW	19.50	19.26	19.42	18.86
	CP_QPSK	1@1	LOW	22.50	22.34	22.62	22.19
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	648334	650000	651666
					3725.0MHz	3750.0MHz	3775.0MHz
50MHz	DFT_BPSK	1@1	LOW	24.00	23.67	23.88	23.73
	DFT_QPSK	128@0	LOW	23.50	22.89	23.02	22.84
	DFT_QPSK	64@32	LOW	24.00	23.94	23.99	23.90
	DFT_QPSK	1@1	LOW	24.50	23.58	24.06	23.74
	DFT_QPSK	1@131	LOW	24.00	23.81	23.88	23.53
	DFT_QAM16	1@1	LOW	23.00	22.59	22.99	22.82
	DFT_QAM64	1@1	LOW	22.00	21.36	21.64	21.28
	DFT_QAM256	1@1	LOW	20.00	19.38	19.59	19.28
	CP_QPSK	1@1	LOW	23.00	22.20	22.86	22.12
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune- up(dBm)	650000		
					3750.0MHz		
100MHz	DFT_BPSK	1@1	LOW	24.00	23.66		
	DFT_QPSK	270@0	LOW	23.00	22.93		
	DFT_QPSK	135@67	LOW	24.50	24.06		
	DFT_QPSK	1@1	LOW	24.00	23.61		
	DFT_QPSK	1@271	LOW	24.00	23.61		
	DFT_QAM16	1@1	LOW	23.00	22.58		
	DFT_QAM64	1@1	LOW	21.50	21.14		
	DFT_QAM256	1@1	LOW	19.00	18.88		
	CP_QPSK	1@1	LOW	22.50	22.14		

11.1.25 Conducted Power of Wi-Fi 2.4G

ANT1

Mode	802.11b		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	16.37	16.78	16.48
Mode	802.11g		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	20.76	21.12	21.17
Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	20.79	20.69	21.36
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	1(2422)	6(2437)	11(2452)
Average Power(dBm)	21.77	21.90	22.23
Mode	802.11ax(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	22.07	22.48	22.49
Mode	802.11ax(HT40)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	22.40	22.85	22.70

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ANT2

Mode	802.11b		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	14.41	14.30	14.30
Mode	802.11g		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	18.11	18.71	18.63
Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	17.84	18.62	18.45
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	1(2422)	6(2437)	11(2452)
Average Power(dBm)	18.91	18.56	18.30
Mode	802.11ax(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	19.16	18.93	19.03
Mode	802.11ax(HT40)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	19.15	18.71	19.29

MIMO

Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	22.57	22.79	23.15
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	23.58	24.07	24.11
Mode	802.11n(HT20)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	23.83	23.58	23.55
Mode	802.11n(HT40)		
Channel/Frequency(MHz)	1(2412)	6(2437)	11(2462)
Average Power(dBm)	24.08	24.27	11.1

11.1.26 Conducted Power of Wi-Fi 5G

Ant 1						
Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-1 (5150-5250)	802.11a	36	5180	11.50	11.18	Yes
		48	5240	12.50	12.27	No
	802.11n-HT20	36	5180	12.50	12.40	No
		48	5240	13.00	12.77	No
	802.11n-HT40	38	5190	11.00	10.63	No
		46	5230	11.50	11.22	No
	802.11ac-VHT20	36	5180	12.50	12.50	No
		48	5240	13.00	12.82	No
	802.11ac-VHT40	38	5190	11.00	10.67	No
		46	5230	11.00	10.78	No
	802.11ac-VHT80	42	5210	8.50	8.21	No
		36	5180	12.00	11.60	No
	802.11ax-HT20	48	5240	13.00	12.99	No
		38	5190	10.00	9.71	No
802.11ax-HT40	46	5230	10.50	10.27	No	
	42	5210	8.00	7.56	No	
802.11ax- HT160	50	5250	11.50	11.18	No	
Ant 2						
Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-1 (5150-5250)	802.11a	36	5180	12.50	12.32	No
		48	5240	11.00	11.00	No
	802.11n-HT20	36	5180	11.50	11.34	Yes
		48	5240	12.00	11.74	No
	802.11n-HT40	38	5190	11.00	10.99	No
		46	5230	10.50	10.30	No
	802.11ac-VHT20	36	5180	14.00	13.59	No
		48	5240	13.00	12.96	No
	802.11ac-VHT40	38	5190	11.50	11.43	No
		46	5230	11.00	10.95	No
	802.11ac-VHT80	42	5210	10.00	9.57	No
		36	5180	12.00	11.74	No
	802.11ax-HT20	48	5240	11.50	11.45	No
		38	5190	11.50	11.11	No
802.11ax-HT40	46	5230	11.00	10.89	No	
	42	5210	9.00	8.77	No	
802.11ax- HT160	50	5250	12.50	12.32	No	
MIMO						
Band	Mode	Channel	Frequency(MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-1 (5150-5250)	802.11n-HT20	36	5180	18.50	18.19	No
		48	5240	19.00	18.69	No
	802.11n-HT40	38	5190	17.50	17.40	No
		46	5230	18.00	17.62	No
	802.11ac-VHT20	36	5180	17.00	16.83	No
		48	5240	17.50	17.46	No
	802.11ac-VHT40	38	5190	16.50	16.31	No
		46	5230	16.50	16.48	No
	802.11ac-VHT80	42	5210	14.50	14.49	No
		36	5180	15.00	14.93	No
	802.11ax-HT20	48	5240	15.50	15.30	No
		38	5190	16.00	15.65	No
	802.11ax-HT40	46	5230	16.50	16.07	No
		42	5210	16.00	15.52	No
802.11ax- HT160	50	5250	18.50	18.19	Yes	

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Ant 1						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-2a (5250-5350)	802.11a	52	5260	13.00	12.57	Yes
		64	5320	12.00	11.93	No
	802.11n-HT20	52	5260	13.50	13.22	No
		64	5320	13.00	12.70	No
	802.11n-HT40	54	5270	11.50	11.08	No
		62	5310	11.00	10.62	No
	802.11ac-VHT20	52	5260	13.50	13.14	No
		64	5320	13.00	12.72	No
	802.11ac-VHT40	54	5270	11.00	10.95	No
		62	5310	11.00	10.68	No
	802.11ac-VHT80	58	5290	8.00	7.73	No
		802.11ax-HT20	52	5260	13.00	12.66
	64		5320	13.50	13.09	No
	802.11ax-HT40	54	5270	11.00	10.96	No
		62	5310	10.00	9.87	No
	802.11ax-HT80	58	5290	8.50	8.43	No
Ant 2						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-2a (5250-5350)	802.11a	52	5260	11.50	11.14	No
		64	5320	11.00	10.91	Yes
	802.11n-HT20	52	5260	11.50	11.34	No
		64	5320	11.00	10.88	No
	802.11n-HT40	54	5270	10.50	10.18	No
		62	5310	10.50	10.32	No
	802.11ac-VHT20	52	5260	13.50	13.11	No
		64	5320	13.00	12.76	No
	802.11ac-VHT40	54	5270	9.50	9.29	No
		62	5310	10.00	9.91	No
	802.11ac-VHT80	58	5290	9.00	8.82	No
		802.11ax-HT20	52	5260	11.50	11.19
	64		5320	11.00	10.65	No
	802.11ax-HT40	54	5270	12.00	11.57	No
		62	5310	12.00	11.86	No
	802.11ax-HT80	58	5290	8.00	8.00	No
MIMO						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-2a (5250-5350)	802.11n-HT20	52	5260	18.50	18.49	Yes
		64	5320	17.50	17.35	No
	802.11n-HT40	54	5270	18.00	17.68	No
		62	5310	17.50	17.01	No
	802.11ac-VHT20	52	5260	17.50	17.11	No
		64	5320	16.50	16.32	No
	802.11ac-VHT40	54	5270	16.50	16.27	No
		62	5310	16.00	15.60	No
	802.11ac-VHT80	58	5290	14.00	14.00	No
		802.11ax-HT20	52	5260	15.50	15.27
	64		5320	14.50	14.38	No
	802.11ax-HT40	54	5270	16.00	15.92	No
		62	5310	15.50	15.28	No
	802.11ax-HT80	58	5290	15.00	14.95	No

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Ant 1						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-2c (5470-5725)	802.11a	100	5500	11.50	11.21	Yes
		140	5700	13.00	12.75	No
	802.11n-HT20	100	5500	12.50	12.40	No
		140	5700	13.50	13.23	No
	802.11n-HT40	102	5510	10.50	10.04	No
		134	5670	12.50	12.02	No
	802.11ac-VHT20	100	5500	13.00	12.64	No
		140	5700	14.00	13.74	No
	802.11ac-VHT40	102	5510	11.00	10.80	No
		134	5670	12.00	11.56	No
	802.11ac-VHT80	106	5530	8.00	7.61	No
		122	5610	7.50	7.46	No
	802.11ax-HT20	100	5500	13.00	12.74	No
		140	5700	13.50	13.48	No
	802.11ax-HT40	102	5510	10.50	10.32	No
		134	5670	11.00	11.00	No
	802.11ax-HT80	106	5530	8.00	7.64	No
		122	5610	7.00	6.85	No
	802.11ax- HT160	114	5570	4.50	4.43	No
Ant 2						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-2c (5470-5725)	802.11a	100	5500	11.00	10.76	Yes
		140	5700	11.50	11.08	No
	802.11n-HT20	100	5500	10.50	10.17	No
		140	5700	11.50	11.30	No
	802.11n-HT40	102	5510	9.50	9.12	No
		134	5670	11.00	10.70	No
	802.11ac-VHT20	100	5500	12.50	12.27	No
		140	5700	13.00	13.00	No
	802.11ac-VHT40	102	5510	10.00	9.66	No
		134	5670	11.50	11.22	No
	802.11ac-VHT80	106	5530	9.00	8.80	No
		122	5610	9.50	9.46	No
	802.11ax-HT20	100	5500	11.00	10.63	No
		140	5700	11.50	11.09	No
	802.11ax-HT40	102	5510	8.50	8.29	No
		134	5670	8.50	8.17	No
	802.11ax-HT80	106	5530	6.50	6.32	No
		122	5610	5.50	5.03	No
	802.11ax- HT160	114	5570	2.50	2.33	No
MIMO						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
U-NII-2c (5470-5725)	802.11n-HT20	100	5500	17.00	17.00	No
		140	5700	18.00	17.78	No
	802.11n-HT40	102	5510	17.00	16.80	No
		134	5670	17.00	16.65	No
	802.11ac-VHT20	100	5500	16.00	15.90	No
		140	5700	17.00	16.74	No
	802.11ac-VHT40	102	5510	15.50	15.16	No
		134	5670	15.50	15.26	No
	802.11ac-VHT80	106	5530	13.50	13.24	No
		122	5610	13.50	13.20	No
	802.11ax-HT20	100	5500	14.50	14.26	No
		140	5700	15.00	14.97	No
	802.11ax-HT40	102	5510	14.50	14.49	No
		134	5670	15.00	14.65	No
	802.11ax-HT80	106	5530	14.50	14.31	No
		122	5610	15.00	14.87	No
	802.11ax- HT160	114	5570	14.00	13.74	Yes

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Ant 1						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Powe(dBm)	SAR Test (Yes/No)
U-NII-3 (5725-5825)	802.11a	149	5745	11.00	10.60	Yes
		165	5825	12.00	11.85	No
	802.11n-HT20	149	5745	10.50	10.11	No
		165	5825	12.50	12.34	No
	802.11n-HT40	151	5755	10.50	10.23	No
		159	5795	11.00	10.82	No
	802.11ac-VHT20	149	5745	12.50	12.40	No
		165	5825	13.00	12.57	No
	802.11ac-VHT40	151	5755	10.50	10.06	No
		159	5795	10.50	10.29	No
	802.11ac-VHT80	155	5775	9.00	8.63	No
		802.11ax-HT20	149	5745	12.50	12.05
	165		5825	12.50	12.10	No
	802.11ax-HT40	151	5755	10.50	10.01	No
		159	5795	10.00	9.52	No
	802.11ax-HT80	155	5775	7.50	7.43	No
Ant 2						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Powe(dBm)	SAR Test (Yes/No)
U-NII-3 (5725-5825)	802.11a	149	5745	11.00	10.82	Yes
		165	5825	11.50	11.40	No
	802.11n-HT20	149	5745	11.00	10.62	No
		165	5825	11.50	11.29	No
	802.11n-HT40	151	5755	11.00	10.58	No
		159	5795	10.50	10.08	No
	802.11ac-VHT20	149	5745	12.00	11.97	No
		165	5825	13.50	13.30	No
	802.11ac-VHT40	151	5755	10.50	10.06	No
		159	5795	10.50	10.11	No
	802.11ac-VHT80	155	5775	9.50	9.03	No
		802.11ax-HT20	149	5745	11.00	10.84
	165		5825	11.50	11.38	No
	802.11ax-HT40	151	5755	8.00	7.87	No
		159	5795	8.00	7.73	No
	802.11ax-HT80	155	5775	4.50	4.01	No
MIMO						
Band	Mode	Channel	Frequency (MHz)	Tune-up	Average Powe(dBm)	SAR Test (Yes/No)
U-NII-3 (5725-5825)	802.11n-HT20	149	5745	18.50	18.02	No
		165	5825	17.50	17.03	No
	802.11n-HT40	151	5755	17.50	17.44	No
		159	5795	17.50	17.21	No
	802.11ac-VHT20	149	5745	16.50	16.44	Yes
		165	5825	16.00	15.65	No
	802.11ac-VHT40	151	5755	16.00	15.95	No
		159	5795	16.00	15.72	No
	802.11ac-VHT80	155	5775	15.50	15.35	No
		802.11ax-HT20	149	5745	15.00	14.97
			165	5825	14.00	13.76
		802.11ax-HT40	151	5755	15.50	15.40
	159		5795	16.00	15.52	No
	802.11ax-HT80	155	5775	15.50	15.40	No

11.1.27 Conducted Power of BT

EDR	Mode	Maximum Tune-up(dBm)	Average Conducted Output Power (dBm)		
			0	39	78
			2402MHz	2441MHz	2480MHz
			8.00	8.51	8.13
	GFSK	9.00	8.00	8.51	8.13
	π/4QPSK	8.00	7.36	7.78	7.12
	8DPSK	8.50	7.21	7.85	7.34
BLE	Mode	Maximum Tune-up(dBm)	Average Conducted Output Power (dBm)		
			0	19	39
			2402MHz	2440MHz	2480MHz
			1.00	-0.13	2.93
	1Mbps	3.00	1.00	-0.13	2.93
	2Mbps	3.50	-0.44	-0.81	3.40
Channel	Frequency (GHz)	Max. Tune-up Power (dBm)	Max. Power (dBm)	Exclusion thresholds for 1-g SAR(dBm)	SAR evaluation required
39	2.441	9.00	8.51	4.77	Yes
19	2.402	3.50	3.40	4.77	Yes

Note

- Per KDB 447498 D04 Interim General RF Exposure Guidance v01, the 1-g SAR test exclusion thresholds for 300 MHz to 6 GHz at test separation distances ≤ 40 cm are determined by:

$$P_{th} (mW) = ERP_{20cm} (mW) = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (B.1)$$

$$P_{th} (mW) = \begin{cases} ERP_{20cm} (d/20cm)^x & d \leq 20 \text{ cm} \\ ERP_{20cm} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (B.2)$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20cm} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and ERP_{20cm} is per Formula (B.1).

*When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine estimated SAR.

- Per KDB 248227 D01 v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
- The output power of all data rate were prescan, just the worst case (the lowest data rate) of all mode were shown in report.

11.1.28 Tune-up power tolerance

Band	Tune-up power tolerance(dBm)		
GSM850	GSM/GPRS (GMSK)	GSM	Max output power =32.00±1.0dBm
		1TXslots	Max output power =30.00±1.0dBm
		2TXslots	Max output power =31.00±1.0dBm
		3TXslots	Max output power =31.00±1.0dBm
		4TXslots	Max output power =31.00±1.0dBm
	EGPRS (8-PSK)	1TXslots	Max output power =28.00±1.0dBm
		2TXslots	Max output power =26.50±1.0dBm
		3TXslots	Max output power =27.50±1.0dBm
		4TXslots	Max output power =27.50±1.0dBm
		4TXslots	Max output power =25.50±1.0dBm
GSM1900	GSM/GPRS (GMSK)	GSM	Max output power =30.00±1.0dBm
		1TXslots	Max output power =27.50±1.0dBm
		2TXslots	Max output power =27.00±1.0dBm
		3TXslots	Max output power =27.00±1.0dBm
		4TXslots	Max output power =28.00±1.0dBm
	EGPRS (8-PSK)	1TXslots	Max output power =25.50±1.0dBm
		2TXslots	Max output power =25.50±1.0dBm
		3TXslots	Max output power =25.00±1.0dBm
		4TXslots	Max output power =25.50±1.0dBm
		4TXslots	Max output power =25.50±1.0dBm
WCDMA 2	Max output power =23.00±1.0dBm		
WCDMA 4	Max output power =24.50±1.0dBm		
WCDMA 5	Max output power =23.00±1.0dBm		
LTE B2	Max output power =24.00±1.0dBm		
LTE B4	Max output power =23.00±1.0dBm		
LTE B5	Max output power =23.50±1.0dBm		
LTE B7	Max output power =22.50±1.0dBm		
LTE B12	Max output power =23.50±1.0dBm		
LTE B17	Max output power =23.00±1.0dBm		
LTE B38	Max output power =22.50±1.0dBm		
LTE B41	Max output power =23.50±1.0dBm		
LTE B42	Max output power =19.00±1.0dBm		
LTE B66	Max output power =23.00±1.0dBm		
NR n5	Max output power =24.00±1.0dBm		
NR n7	Max output power =23.00±1.0dBm		
NR n12	Max output power =25.00±1.0dBm		
NR n38	Max output power =23.00±1.0dBm		
NR n41	Max output power =22.50±1.0dBm		
NR n66	Max output power =23.50±1.0dBm		
NR n71	Max output power =25.00±1.0dBm		
NR n77	Max output power =25.00±1.0dBm		
NR n77	Max output power =24.50±1.0dBm		
NR n77	Max output power =24.50±1.0dBm		
NR n78	Max output power =25.00±1.0dBm		
NR n78	Max output power =24.50±1.0dBm		
NR n78	Max output power =24.50±1.0dBm		

Band	Tune-up power tolerance(dBm)		
WIFI	2.4G (MAIN ANT1)		802.11b Max output power =17.00±1.0dBm
			802.11g Max output power =21.50±1.0dBm
			802.11n (HT20) Max output power =21.50±1.0dBm
			802.11n (HT40) Max output power =22.50±1.0dBm
			802.11ax20 Max output power =22.50±1.0dBm
			802.11ax40 Max output power =23.00±1.0dBm
	2.4G (MAIN ANT2)		802.11b Max output power =14.50±1.0dBm
			802.11g Max output power =19.00±1.0dBm
			802.11n (HT20) Max output power =19.00±1.0dBm
			802.11n (HT40) Max output power =19.00±1.0dBm
			802.11ax20 Max output power =19.50±1.0dBm
			802.11ax40 Max output power =19.00±1.0dBm
	2.4G (MAIN MIMO)		802.11b Max output power =23.50±1.0dBm
			802.11g Max output power =24.50±1.0dBm
			802.11n (HT20) Max output power =24.00±1.0dBm
			802.11n (HT40) Max output power =24.50±1.0dBm
	U-NII-1 (5150-5250)	Ant 1	802.11ax20 Max output power =13.00±1.0dBm
	U-NII-1 (5150-5250)	Ant 2	802.11ac20 Max output power =14.00±1.0dBm
	U-NII-1 (5150-5250)	MIMO	802.11n-HT20 Max output power =19.00±1.0dBm
	U-NII-2a (5250-5350)	Ant 1	802.11n (HT20) Max output power =13.50±1.0dBm
	U-NII-2a (5250-5350)	Ant 2	802.11ac20 Max output power =13.50±1.0dBm
	U-NII-2a (5250-5350)	MIMO	802.11n-HT20 Max output power =19.50±1.0dBm
	U-NII-2c (5470-5725)	Ant 1	802.11ax20 Max output power =13.50±1.0dBm
	U-NII-2c (5470-5725)	Ant 2	802.11ac20 Max output power =13.00±1.0dBm
	U-NII-2c (5470-5725)	MIMO	802.11n (HT20) Max output power =18.00±1.0dBm
	U-NII-3 (5725-5825)	Ant 1	802.11ac20 Max output power =13.00±1.0dBm
	U-NII-3 (5725-5825)	Ant 2	802.11ac20 Max output power =13.50±1.0dBm
	U-NII-3 (5725-5825)	MIMO	802.11n (HT20) Max output power =18.50±1.0dBm
BT	GFSK mode		Max output power =9.00±1.0dBm
	π/4DQPSK mode		Max output power =8.00±1.0dBm
	8DPSK mode		Max output power =8.00±1.0dBm
BLE	1Mbps Power		Max output power =3.00±1.0dBm
	2Mbps Power		Max output power =3.50±1.0dBm

11.2 SAR test results

Notes:

- 1) Per KDB447498 ,the SAR test shall be performed at the high, middle and low frequency channels of each operating mode. If the scaled SAR measured at mid-band channel for each test configuration is at least 3.0 dB lower than the SAR limit ($< 0.8 \text{ W/kg}$), testing at the high and low channels is optional.
- 2) Per KDB447498 , 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: $\leq 0.8 \text{ W/kg}$ or 2.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\leq 100 \text{ MHz}$. When the maximum output power variation across the required test channels is $> \frac{1}{2} \text{ dB}$, instead of the middle channel, the highest output power channel must be used.
- 3) Per KDB447498 , All measurement SAR result is scaled-up to account for tune-up tolerance is compliant.
- 4) Per KDB648474 D04v01r02, body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn with headset SAR.
- 5) Per KDB248227 D01v01r02, the procedures required to establish specific device operating configurations for testing the SAR of 802.11 a/b/g transmitters.
 - (1) For Headsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is $\leq 0.4 \text{ W/kg}$, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is $\leq 0.8 \text{ W/kg}$ or all test positions are measured.
 - (2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is $\leq 0.8 \text{ W/kg}$, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is $> 1.2 \text{ W/kg}$, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is $\leq 1.2 \text{ W/kg}$.

(3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.

6) Per KDB865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/Kg; if the deviation among the repeated measurement is $\leq 20\%$, and the measured SAR < 1.45 W/Kg, only one repeated measurement is required.

7) Per KDB865664 D02v01r01, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is > 1.5 W/kg, or > 7.0 W/kg for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing (Refer to appendix B for details).

8) Per KDB941225 D06v01r01, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.

9) Per KDB 941225 D01, 3G SAR Measurement Procedures, The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

10) Per KDB 941225 D05, SAR Evaluation Considerations for LTE Devices

(1) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among 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; 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 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.

(3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> 1/2$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

(4) Other channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is $> 1/2$ 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.

11.3 Test Result

11.3.1 Results overview of GSM

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
GSM 850 (voice)	Left Cheek	190	836.6	0.020	0.373	100	1.00	31.64	32.00	1.086	0.405
	Left Tilt	190	836.6	-0.040	0.319	100	1.00	31.64	32.00	1.086	0.347
	Right Cheek	190	836.6	0.080	0.205	100	1.00	31.64	32.00	1.086	0.223
	Right Tilt	190	836.6	0.110	0.103	100	1.00	31.64	32.00	1.086	0.112
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
GPRS 850+4slots	Front	190	836.6	0.030	0.614	100	1.00	31.64	32.00	1.086	0.667
	Back	190	836.6	-0.060	1.010	100	1.00	31.64	32.00	1.086	1.097
	Left	190	836.6	0.110	0.582	100	1.00	31.64	32.00	1.086	0.632
	right	190	836.6	0.090	0.091	100	1.00	31.64	32.00	1.086	0.099
	Top	190	836.6	-0.040	0.110	100	1.00	31.64	32.00	1.086	0.120
	Bottom	190	836.6	0.080	0.082	100	1.00	31.64	32.00	1.086	0.089

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
GSM 1900 (voice)	Left Cheek	512	1850.02	0.060	0.134	100	1.00	29.51	30.00	1.119	0.150
	Left Tilt	512	1850.02	-0.050	0.193	100	1.00	29.51	30.00	1.119	0.216
	Right Cheek	512	1850.02	0.170	0.247	100	1.00	29.51	30.00	1.119	0.277
	Right Tilt	512	1850.02	0.040	0.377	100	1.00	29.51	30.00	1.119	0.422
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
GPRS 1900+4slots	Front	512	1850.02	0.060	0.174	100	1.00	29.51	30.00	1.119	0.195
	Back	512	1850.02	0.120	0.258	100	1.00	29.51	30.00	1.119	0.289
	Left	512	1850.02	-0.030	0.157	100	1.00	29.51	30.00	1.119	0.176
	right	512	1850.02	0.070	0.049	100	1.00	29.51	30.00	1.119	0.055
	Top	512	1850.02	0.130	0.182	100	1.00	29.51	30.00	1.119	0.204
	Bottom	512	1850.02	-0.090	0.021	100	1.00	29.51	30.00	1.119	0.024

11.3.2 Results overview of WCDMA

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 2 (RMC*)	Left Cheek	9400	1880	-0.060	0.205	100	1.00	22.94	23.00	1.014	0.208
	Left Tilt	9400	1880	0.030	0.349	100	1.00	22.94	23.00	1.014	0.354
	Right Cheek	9400	1880	-0.140	0.427	100	1.00	22.94	23.00	1.014	0.433
	Right Tilt	9400	1880	0.010	0.559	100	1.00	22.94	23.00	1.014	0.567
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 2 (RMC*)	Front	9400	1880	0.010	0.079	100	1.00	22.94	23.00	1.014	0.080
	Back	9400	1880	0.030	0.095	100	1.00	22.94	23.00	1.014	0.096
	Left	9400	1880	-0.060	0.072	100	1.00	22.94	23.00	1.014	0.073
	right	9400	1880	0.080	0.031	100	1.00	22.94	23.00	1.014	0.031
	Top	9400	1880	-0.110	0.069	100	1.00	22.94	23.00	1.014	0.070
	Bottom	9400	1880	0.170	0.011	100	1.00	22.94	23.00	1.014	0.011

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 4 (RMC*)	Left Cheek	1413	1732.6	0.030	0.117	100	1.00	24.16	24.50	1.081	0.127
	Left Tilt	1413	1732.6	-0.070	0.249	100	1.00	24.16	24.50	1.081	0.269
	Right Cheek	1413	1732.6	0.090	0.474	100	1.00	24.16	24.50	1.081	0.513
	Right Tilt	1413	1732.6	0.010	0.588	100	1.00	24.16	24.50	1.081	0.636
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 4 (RMC*)	Front	1413	1732.6	0.090	0.089	100	1.00	24.16	24.50	1.081	0.096
	Back	1413	1732.6	0.070	0.114	100	1.00	24.16	24.50	1.081	0.123
	Left	1413	1732.6	-0.100	0.069	100	1.00	24.16	24.50	1.081	0.075
	right	1413	1732.6	0.050	0.034	100	1.00	24.16	24.50	1.081	0.037
	Top	1413	1732.6	0.080	0.072	100	1.00	24.16	24.50	1.081	0.078
	Bottom	1413	1732.6	-0.020	0.014	100	1.00	24.16	24.50	1.081	0.015

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 5 (RMC*)	Left Cheek	4183	836.6	-0.01	0.797	100	1.00	22.84	23.00	1.038	0.827
	Left Tilt	4183	836.6	0.01	0.168	100	1.00	22.84	23.00	1.038	0.174
	Right Cheek	4183	836.6	-0.02	0.424	100	1.00	22.84	23.00	1.038	0.440
	Right Tilt	4183	836.6	0.03	0.115	100	1.00	22.84	23.00	1.038	0.119
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
WCDMA Band 5 (RMC*)	Front	4183	836.6	0.02	0.616	100	1.00	22.84	23.00	1.038	0.639
	Back	4183	836.6	-0.01	0.877	100	1.00	22.84	23.00	1.038	0.910
	Left	4183	836.6	-0.02	0.584	100	1.00	22.84	23.00	1.038	0.606
	right	4183	836.6	0.05	0.206	100	1.00	22.84	23.00	1.038	0.214
	Top	4183	836.6	0.01	0.169	100	1.00	22.84	23.00	1.038	0.175
	Bottom	4183	836.6	-0.01	0.147	100	1.00	22.84	23.00	1.038	0.153

11.3.3 Results overview of LTE

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 2 (BW: 20MHz)	1RB	Left Cheek	19125	1902.5	0.180	0.173	100	1.00	23.51	24.00	1.119	0.194
		Left Tilt	19125	1902.5	-0.060	0.257	100	1.00	23.51	24.00	1.119	0.288
		Right Cheek	19125	1902.5	0.070	0.385	100	1.00	23.51	24.00	1.119	0.431
		Right Tilt	19125	1902.5	0.010	0.597	100	1.00	23.51	24.00	1.119	0.668
	50%RB	Left Cheek	19125	1902.5	-0.090	0.169	100	1.00	23.51	24.00	1.119	0.189
		Left Tilt	19125	1902.5	0.060	0.251	100	1.00	23.51	24.00	1.119	0.281
		Right Cheek	19125	1902.5	-0.130	0.379	100	1.00	23.51	24.00	1.119	0.424
		Right Tilt	19125	1902.5	0.010	0.591	100	1.00	23.51	24.00	1.119	0.662
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 2 (BW: 20MHz)	1RB	Front	19125	1902.5	-0.060	0.083	100	1.00	23.51	24.00	1.119	0.093
		Back	19125	1902.5	0.010	0.111	100	1.00	23.51	24.00	1.119	0.124
		Left	19125	1902.5	0.140	0.075	100	1.00	23.51	24.00	1.119	0.084
		right	19125	1902.5	-0.080	0.045	100	1.00	23.51	24.00	1.119	0.050
		Top	19125	1902.5	0.070	0.059	100	1.00	23.51	24.00	1.119	0.066
		Bottom	19125	1902.5	0.050	0.011	100	1.00	23.51	24.00	1.119	0.012
	50%RB	Front	19125	1902.5	0.040	0.079	100	1.00	23.51	24.00	1.119	0.088
		Back	19125	1902.5	0.080	0.107	100	1.00	23.51	24.00	1.119	0.120
		Left	19125	1902.5	0.120	0.071	100	1.00	23.51	24.00	1.119	0.079
		right	19125	1902.5	0.130	0.040	100	1.00	23.51	24.00	1.119	0.045
		Top	19125	1902.5	-0.010	0.054	100	1.00	23.51	24.00	1.119	0.060
		Bottom	19125	1902.5	-0.150	0.015	100	1.00	23.51	24.00	1.119	0.017

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 4 (BW: 20MHz)	1RB	Left Cheek	20325	1747.5	0.030	0.158	100	1.00	22.76	23.00	1.057	0.167
		Left Tilt	20325	1747.5	0.070	0.374	100	1.00	22.76	23.00	1.057	0.395
		Right Cheek	20325	1747.5	-0.160	0.481	100	1.00	22.76	23.00	1.057	0.508
		Right Tilt	20325	1747.5	0.010	0.656	100	1.00	22.76	23.00	1.057	0.693
	50%RB	Left Cheek	20325	1747.5	0.020	0.154	100	1.00	22.76	23.00	1.057	0.163
		Left Tilt	20325	1747.5	-0.050	0.362	100	1.00	22.76	23.00	1.057	0.383
		Right Cheek	20325	1747.5	0.030	0.470	100	1.00	22.76	23.00	1.057	0.497
		Right Tilt	20325	1747.5	-0.070	0.641	100	1.00	22.76	23.00	1.057	0.677
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 4 (BW: 20MHz)	1RB	Front	20325	1747.5	0.140	0.099	100	1.00	22.76	23.00	1.057	0.105
		Back	20325	1747.5	-0.120	0.110	100	1.00	22.76	23.00	1.057	0.116
		Left	20325	1747.5	-0.100	0.081	100	1.00	22.76	23.00	1.057	0.086
		right	20325	1747.5	0.060	0.046	100	1.00	22.76	23.00	1.057	0.049
		Top	20325	1747.5	0.190	0.076	100	1.00	22.76	23.00	1.057	0.080
		Bottom	20325	1747.5	-0.020	0.012	100	1.00	22.76	23.00	1.057	0.013
	50%RB	Front	20325	1747.5	0.190	0.091	100	1.00	22.76	23.00	1.057	0.096
		Back	20325	1747.5	0.130	0.106	100	1.00	22.76	23.00	1.057	0.112
		Left	20325	1747.5	-0.060	0.078	100	1.00	22.76	23.00	1.057	0.082
		right	20325	1747.5	0.080	0.043	100	1.00	22.76	23.00	1.057	0.045
		Top	20325	1747.5	0.140	0.072	100	1.00	22.76	23.00	1.057	0.076
		Bottom	20325	1747.5	-0.160	0.014	100	1.00	22.76	23.00	1.057	0.015

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 5 (BW: 10MHz)	1RB	Left Cheek	20425	826.5	-0.010	0.686	100	1.00	23.39	23.50	1.026	0.704
		Left Tilt	20425	826.5	0.010	0.278	100	1.00	23.39	23.50	1.026	0.285
		Right Cheek	20425	826.5	-0.020	0.393	100	1.00	23.39	23.50	1.026	0.403
		Right Tilt	20425	826.5	-0.020	0.132	100	1.00	23.39	23.50	1.026	0.135
	50%RB	Left Cheek	20425	826.5	-0.010	0.613	100	1.00	23.39	23.50	1.026	0.629
		Left Tilt	20425	826.5	0.030	0.196	100	1.00	23.39	23.50	1.026	0.201
		Right Cheek	20425	826.5	0.020	0.359	100	1.00	23.39	23.50	1.026	0.368
		Right Tilt	20425	826.5	-0.020	0.125	100	1.00	23.39	23.50	1.026	0.128
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 5 (BW: 10MHz)	1RB	Front	20425	826.5	0.020	0.316	100	1.00	23.39	23.50	1.026	0.324
		Back	20425	826.5	-0.010	0.616	100	1.00	23.39	23.50	1.026	0.632
		Left	20425	826.5	-0.010	0.475	100	1.00	23.39	23.50	1.026	0.487
		Right	20425	826.5	0.030	0.148	100	1.00	23.39	23.50	1.026	0.152
		Top	20425	826.5	-0.050	0.388	100	1.00	23.39	23.50	1.026	0.398
		Bottom	20425	826.5	0.010	0.034	100	1.00	23.39	23.50	1.026	0.035
	50%RB	Front	20425	826.5	0.020	0.263	100	1.00	23.39	23.50	1.026	0.270
		Back	20425	826.5	-0.030	0.582	100	1.00	23.39	23.50	1.026	0.597
		Left	20425	826.5	0.050	0.429	100	1.00	23.39	23.50	1.026	0.440
		Right	20425	826.5	0.010	0.133	100	1.00	23.39	23.50	1.026	0.136
		Top	20425	826.5	-0.020	0.353	100	1.00	23.39	23.50	1.026	0.362
		Bottom	20425	826.5	0.030	0.029	100	1.00	23.39	23.50	1.026	0.030

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 7 (BW: 20MHz)	1RB	Left Cheek	21425	2567.5	0.030	0.382	100	1.00	22.13	22.50	1.089	0.416
		Left Tilt	21425	2567.5	-0.080	0.493	100	1.00	22.13	22.50	1.089	0.537
		Right Cheek	21425	2567.5	0.140	0.602	100	1.00	22.13	22.50	1.089	0.656
		Right Tilt	21425	2567.5	0.020	0.711	100	1.00	22.13	22.50	1.089	0.774
	50%RB	Left Cheek	21425	2567.5	0.060	0.376	100	1.00	22.13	22.50	1.089	0.409
		Left Tilt	21425	2567.5	-0.140	0.475	100	1.00	22.13	22.50	1.089	0.517
		Right Cheek	21425	2567.5	0.020	0.582	100	1.00	22.13	22.50	1.089	0.634
		Right Tilt	21425	2567.5	0.030	0.693	100	1.00	22.13	22.50	1.089	0.755
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 7 (BW: 20MHz)	1RB	Front	21425	2567.5	-0.170	0.065	100	1.00	22.13	22.50	1.089	0.071
		Back	21425	2567.5	0.020	0.095	100	1.00	22.13	22.50	1.089	0.103
		Left	21425	2567.5	0.180	0.049	100	1.00	22.13	22.50	1.089	0.053
		Right	21425	2567.5	-0.060	0.030	100	1.00	22.13	22.50	1.089	0.033
		Top	21425	2567.5	0.030	0.055	100	1.00	22.13	22.50	1.089	0.060
		Bottom	21425	2567.5	0.090	0.011	100	1.00	22.13	22.50	1.089	0.012
	50%RB	Front	21425	2567.5	-0.170	0.058	100	1.00	22.13	22.50	1.089	0.063
		Back	21425	2567.5	-0.110	0.079	100	1.00	22.13	22.50	1.089	0.086
		Left	21425	2567.5	-0.030	0.041	100	1.00	22.13	22.50	1.089	0.045
		Right	21425	2567.5	0.070	0.027	100	1.00	22.13	22.50	1.089	0.029
		Top	21425	2567.5	0.090	0.046	100	1.00	22.13	22.50	1.089	0.050
		Bottom	21425	2567.5	-0.120	0.010	100	1.00	22.13	22.50	1.089	0.011

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 12 (BW: 10MHz)	1RB	Left Cheek	23130	711.0	0.000	0.187	100	1.00	23.07	23.50	1.104	0.206
		Left Tilt	23130	711.0	0.010	0.093	100	1.00	23.07	23.50	1.104	0.103
		Right Cheek	23130	711.0	-0.030	0.122	100	1.00	23.07	23.50	1.104	0.135
		Right Tilt	23130	711.0	-0.020	0.043	100	1.00	23.07	23.50	1.104	0.047
	50%RB	Left Cheek	23130	711.0	-0.010	0.175	100	1.00	23.07	23.50	1.104	0.193
		Left Tilt	23130	711.0	0.020	0.084	100	1.00	23.07	23.50	1.104	0.093
		Right Cheek	23130	711.0	0.010	0.108	100	1.00	23.07	23.50	1.104	0.119
		Right Tilt	23130	711.0	0.030	0.037	100	1.00	23.07	23.50	1.104	0.041
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 12 (BW: 10MHz)	1RB	Front	23130	711.0	-0.010	0.115	100	1.00	23.07	23.50	1.104	0.127
		Back	23130	711.0	0.000	0.180	100	1.00	23.07	23.50	1.104	0.199
		Left	23130	711.0	0.020	0.096	100	1.00	23.07	23.50	1.104	0.106
		Right	23130	711.0	-0.020	0.051	100	1.00	23.07	23.50	1.104	0.056
		Top	23130	711.0	0.040	0.046	100	1.00	23.07	23.50	1.104	0.051
		Bottom	23130	711.0	-0.030	0.041	100	1.00	23.07	23.50	1.104	0.045
	50%RB	Front	23130	711.0	-0.050	0.106	100	1.00	23.07	23.50	1.104	0.117
		Back	23130	711.0	0.010	0.172	100	1.00	23.07	23.50	1.104	0.190
		Left	23130	711.0	0.020	0.087	100	1.00	23.07	23.50	1.104	0.096
		Right	23130	711.0	-0.030	0.042	100	1.00	23.07	23.50	1.104	0.046
		Top	23130	711.0	-0.010	0.038	100	1.00	23.07	23.50	1.104	0.042
		Bottom	23130	711.0	0.010	0.034	100	1.00	23.07	23.50	1.104	0.038

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 17 (BW: 10MHz)	1RB	Left Cheek	23825	713.5	0.020	0.232	100	1.00	22.97	23.00	1.007	0.234
		Left Tilt	23825	713.5	0.010	0.052	100	1.00	22.97	23.00	1.007	0.052
		Right Cheek	23825	713.5	-0.050	0.158	100	1.00	22.97	23.00	1.007	0.159
		Right Tilt	23825	713.5	-0.010	0.039	100	1.00	22.97	23.00	1.007	0.039
	50%RB	Left Cheek	23825	713.5	0.040	0.206	100	1.00	22.97	23.00	1.007	0.207
		Left Tilt	23825	713.5	0.010	0.049	100	1.00	22.97	23.00	1.007	0.049
		Right Cheek	23825	713.5	-0.010	0.146	100	1.00	22.97	23.00	1.007	0.147
		Right Tilt	23825	713.5	0.020	0.036	100	1.00	22.97	23.00	1.007	0.036
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 17 (BW: 10MHz)	1RB	Front	23825	713.5	-0.030	0.158	100	1.00	22.97	23.00	1.007	0.159
		Back	23825	713.5	0.000	0.245	100	1.00	22.97	23.00	1.007	0.247
		Left	23825	713.5	-0.010	0.123	100	1.00	22.97	23.00	1.007	0.124
		Right	23825	713.5	0.020	0.036	100	1.00	22.97	23.00	1.007	0.036
		Top	23825	713.5	0.010	0.052	100	1.00	22.97	23.00	1.007	0.052
		Bottom	23825	713.5	0.030	0.027	100	1.00	22.97	23.00	1.007	0.027
	50%RB	Front	23825	713.5	-0.010	0.147	100	1.00	22.97	23.00	1.007	0.148
		Back	23825	713.5	-0.020	0.226	100	1.00	22.97	23.00	1.007	0.228
		Left	23825	713.5	0.030	0.115	100	1.00	22.97	23.00	1.007	0.116
		Right	23825	713.5	0.020	0.033	100	1.00	22.97	23.00	1.007	0.033
		Top	23825	713.5	-0.020	0.048	100	1.00	22.97	23.00	1.007	0.048
		Bottom	23825	713.5	0.010	0.023	100	1.00	22.97	23.00	1.007	0.023

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 38 (BW: 20MHz)	1RB	Left Cheek	38175	2612.5	-0.020	0.158	100	1.00	22.41	22.50	1.021	0.161
		Left Tilt	38175	2612.5	0.040	0.216	100	1.00	22.41	22.50	1.021	0.221
		Right Cheek	38175	2612.5	-0.030	0.245	100	1.00	22.41	22.50	1.021	0.250
		Right Tilt	38175	2612.5	0.010	0.452	100	1.00	22.41	22.50	1.021	0.461
	50%RB	Left Cheek	38175	2612.5	0.030	0.081	100	1.00	22.41	22.50	1.021	0.083
		Left Tilt	38175	2612.5	-0.010	0.196	100	1.00	22.41	22.50	1.021	0.200
		Right Cheek	38175	2612.5	-0.030	0.225	100	1.00	22.41	22.50	1.021	0.230
		Right Tilt	38175	2612.5	0.060	0.386	100	1.00	22.41	22.50	1.021	0.394
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 38 (BW: 20MHz)	1RB	Front	38175	2612.5	-0.010	0.046	100	1.00	22.41	22.50	1.021	0.047
		Back	38175	2612.5	0.080	0.059	100	1.00	22.41	22.50	1.021	0.060
		Left	38175	2612.5	-0.020	0.035	100	1.00	22.41	22.50	1.021	0.036
		Right	38175	2612.5	0.030	0.010	100	1.00	22.41	22.50	1.021	0.010
		Top	38175	2612.5	0.010	0.041	100	1.00	22.41	22.50	1.021	0.042
		Bottom	38175	2612.5	-0.010	0.003	100	1.00	22.41	22.50	1.021	0.003
	50%RB	Front	38175	2612.5	-0.020	0.039	100	1.00	22.41	22.50	1.021	0.040
		Back	38175	2612.5	0.050	0.054	100	1.00	22.41	22.50	1.021	0.055
		Left	38175	2612.5	0.070	0.030	100	1.00	22.41	22.50	1.021	0.031
		Right	38175	2612.5	-0.030	0.009	100	1.00	22.41	22.50	1.021	0.009
		Top	38175	2612.5	-0.010	0.034	100	1.00	22.41	22.50	1.021	0.035
		Bottom	38175	2612.5	0.040	0.002	100	1.00	22.41	22.50	1.021	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Left Cheek	40620	2593.0	0.070	0.156	100	1.00	23.20	23.50	1.072	0.167
		Left Tilt	40620	2593.0	-0.030	0.278	100	1.00	23.20	23.50	1.072	0.298
		Right Cheek	40620	2593.0	0.100	0.255	100	1.00	23.20	23.50	1.072	0.273
		Right Tilt	40620	2593.0	0.000	0.418	100	1.00	23.20	23.50	1.072	0.448
		Left Cheek	39750	2506.0	0.050	0.373	100	1.00	23.20	23.50	1.072	0.400
		Left Cheek	40185	2549.5	-0.020	0.409	100	1.00	23.20	23.50	1.072	0.438
		Left Cheek	41055	2636.5	0.020	0.425	100	1.00	23.20	23.50	1.072	0.455
		Left Cheek	41490	2680.0	0.030	0.392	100	1.00	23.20	23.50	1.072	0.420
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	1RB	Front	40620	2593.0	0.010	0.034	100	1.00	23.20	23.50	1.072	0.036
		Back	40620	2593.0	-0.110	0.054	100	1.00	23.20	23.50	1.072	0.058
		Left	40620	2593.0	0.030	0.037	100	1.00	23.20	23.50	1.072	0.040
		Right	40620	2593.0	-0.020	0.007	100	1.00	23.20	23.50	1.072	0.008
		Top	40620	2593.0	0.040	0.032	100	1.00	23.20	23.50	1.072	0.034
		Bottom	40620	2593.0	-0.030	0.002	100	1.00	23.20	23.50	1.072	0.002
		Back	39750	2506.0	0.010	0.037	100	1.00	23.20	23.50	1.072	0.040
		Back	40185	2549.5	0.030	0.049	100	1.00	23.20	23.50	1.072	0.053
		Back	41055	2636.5	-0.010	0.072	100	1.00	23.20	23.50	1.072	0.077
		Back	41490	2680.0	-0.040	0.042	100	1.00	23.20	23.50	1.072	0.045

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	50%RB	Left Cheek	40620	2593.0	-0.010	0.115	100	1.00	23.20	23.50	1.072	0.123
		Left Tilt	40620	2593.0	0.030	0.227	100	1.00	23.20	23.50	1.072	0.243
		Right Cheek	40620	2593.0	0.050	0.205	100	1.00	23.20	23.50	1.072	0.220
		Right Tilt	40620	2593.0	-0.020	0.382	100	1.00	23.20	23.50	1.072	0.409
		Left Cheek	39750	2506.0	-0.040	0.323	100	1.00	23.20	23.50	1.072	0.346
		Left Cheek	40185	2549.5	0.030	0.369	100	1.00	23.20	23.50	1.072	0.395
		Left Cheek	41055	2636.5	0.010	0.388	100	1.00	23.20	23.50	1.072	0.416
		Left Cheek	41490	2680.0	-0.010	0.357	100	1.00	23.20	23.50	1.072	0.383
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 41 (BW: 20MHz)	50%RB	Front	40620	2593.0	0.020	0.027	100	1.00	23.20	23.50	1.072	0.029
		Back	40620	2593.0	-0.040	0.050	100	1.00	23.20	23.50	1.072	0.054
		Left	40620	2593.0	-0.030	0.030	100	1.00	23.20	23.50	1.072	0.032
		Right	40620	2593.0	0.020	0.005	100	1.00	23.20	23.50	1.072	0.005
		Top	40620	2593.0	0.010	0.029	100	1.00	23.20	23.50	1.072	0.031
		Bottom	40620	2593.0	-0.030	0.002	100	1.00	23.20	23.50	1.072	0.002
		Back	39750	2506.0	0.050	0.033	100	1.00	23.20	23.50	1.072	0.035
		Back	40185	2549.5	-0.010	0.043	100	1.00	23.20	23.50	1.072	0.046
		Back	41055	2636.5	0.020	0.063	100	1.00	23.20	23.50	1.072	0.068
		Back	41490	2680.0	-0.020	0.036	100	1.00	23.20	23.50	1.072	0.039
		Back	41490	2680.0	-0.020	0.036	100	1.00	23.20	23.50	1.072	0.039
		Back	41490	2680.0	-0.020	0.036	100	1.00	23.20	23.50	1.072	0.039

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 42 (BW: 20MHz)	1RB	Left Cheek	42140	3455.0	-0.020	0.206	100	1.00	18.90	19.00	1.023	0.211
		Left Tilt	42140	3455.0	0.140	0.292	100	1.00	18.90	19.00	1.023	0.299
		Right Cheek	42140	3455.0	0.030	0.648	100	1.00	18.90	19.00	1.023	0.663
		Right Tilt	42140	3455.0	0.030	0.881	100	1.00	18.90	19.00	1.023	0.902
	50%RB	Left Cheek	42140	3455.0	0.030	0.185	100	1.00	18.90	19.00	1.023	0.189
		Left Tilt	42140	3455.0	0.010	0.256	100	1.00	18.90	19.00	1.023	0.262
		Right Cheek	42140	3455.0	-0.010	0.612	100	1.00	18.90	19.00	1.023	0.626
		Right Tilt	42140	3455.0	0.020	0.815	100	1.00	18.90	19.00	1.023	0.834
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 42 (BW: 20MHz)	1RB	Front	42140	3455.0	0.020	0.170	100	1.00	18.90	19.00	1.023	0.174
		Back	42140	3455.0	-0.030	0.243	100	1.00	18.90	19.00	1.023	0.249
		Left	42140	3455.0	0.020	0.138	100	1.00	18.90	19.00	1.023	0.141
		Right	42140	3455.0	-0.010	0.050	100	1.00	18.90	19.00	1.023	0.051
		Top	42140	3455.0	0.030	0.188	100	1.00	18.90	19.00	1.023	0.192
		Bottom	42140	3455.0	0.050	0.018	100	1.00	18.90	19.00	1.023	0.018
	50%RB	Front	42140	3455.0	-0.030	0.146	100	1.00	18.90	19.00	1.023	0.149
		Back	42140	3455.0	0.010	0.202	100	1.00	18.90	19.00	1.023	0.207
		Left	42140	3455.0	0.030	0.127	100	1.00	18.90	19.00	1.023	0.130
		Right	42140	3455.0	0.020	0.038	100	1.00	18.90	19.00	1.023	0.039
		Top	42140	3455.0	-0.020	0.168	100	1.00	18.90	19.00	1.023	0.172
		Bottom	42140	3455.0	-0.060	0.014	100	1.00	18.90	19.00	1.023	0.014

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 66 (BW: 20MHz)	1RB	Left Cheek	132597	1772.5	-0.030	0.270	100	1.00	22.54	23.00	1.112	0.300
		Left Tilt	132597	1772.5	0.050	0.413	100	1.00	22.54	23.00	1.112	0.459
		Right Cheek	132597	1772.5	0.090	0.452	100	1.00	22.54	23.00	1.112	0.503
		Right Tilt	132597	1772.5	0.020	0.635	100	1.00	22.54	23.00	1.112	0.706
	50%RB	Left Cheek	132597	1772.5	0.020	0.226	100	1.00	22.54	23.00	1.112	0.251
		Left Tilt	132597	1772.5	-0.030	0.352	100	1.00	22.54	23.00	1.112	0.391
		Right Cheek	132597	1772.5	0.010	0.408	100	1.00	22.54	23.00	1.112	0.454
		Right Tilt	132597	1772.5	-0.010	0.568	100	1.00	22.54	23.00	1.112	0.631
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Band 66 (BW: 20MHz)	1RB	Front	132597	1772.5	-0.010	0.072	100	1.00	22.54	23.00	1.112	0.080
		Back	132597	1772.5	-0.040	0.121	100	1.00	22.54	23.00	1.112	0.135
		Left	132597	1772.5	0.020	0.046	100	1.00	22.54	23.00	1.112	0.051
		Right	132597	1772.5	-0.030	0.015	100	1.00	22.54	23.00	1.112	0.017
		Top	132597	1772.5	0.010	0.059	100	1.00	22.54	23.00	1.112	0.066
		Bottom	132597	1772.5	0.020	0.003	100	1.00	22.54	23.00	1.112	0.003
	50%RB	Front	132597	1772.5	-0.040	0.058	100	1.00	22.54	23.00	1.112	0.064
		Back	132597	1772.5	0.020	0.113	100	1.00	22.54	23.00	1.112	0.126
		Left	132597	1772.5	0.010	0.037	100	1.00	22.54	23.00	1.112	0.041
		Right	132597	1772.5	-0.050	0.014	100	1.00	22.54	23.00	1.112	0.016
		Top	132597	1772.5	-0.020	0.051	100	1.00	22.54	23.00	1.112	0.057
		Bottom	132597	1772.5	0.030	0.002	100	1.00	22.54	23.00	1.112	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n5 (BW: 20MHz)	1RB	Left Cheek	167300	836.5	-0.080	0.619	100	1.00	23.60	24.00	1.096	0.679
		Left Tilt	167300	836.5	0.020	0.101	100	1.00	23.60	24.00	1.096	0.111
		Right Cheek	167300	836.5	-0.060	0.314	100	1.00	23.60	24.00	1.096	0.344
		Right Tilt	167300	836.5	-0.140	0.079	100	1.00	23.60	24.00	1.096	0.087
	50%RB	Left Cheek	167300	836.5	0.110	0.493	100	1.00	23.60	24.00	1.096	0.541
		Left Tilt	167300	836.5	-0.090	0.072	100	1.00	23.60	24.00	1.096	0.079
		Right Cheek	167300	836.5	0.040	0.176	100	1.00	23.60	24.00	1.096	0.193
		Right Tilt	167300	836.5	0.015	0.058	100	1.00	23.60	24.00	1.096	0.064
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n5 (BW: 20MHz)	1RB	Front	167300	836.5	-0.190	0.276	100	1.00	23.60	24.00	1.096	0.303
		Back	167300	836.5	-0.060	0.399	100	1.00	23.60	24.00	1.096	0.437
		Left	167300	836.5	-0.140	0.150	100	1.00	23.60	24.00	1.096	0.164
		Right	167300	836.5	0.130	0.017	100	1.00	23.60	24.00	1.096	0.019
		Top	167300	836.5	0.007	0.135	100	1.00	23.60	24.00	1.096	0.148
		Bottom	167300	836.5	-0.180	0.022	100	1.00	23.60	24.00	1.096	0.024
	50%RB	Front	167300	836.5	-0.130	0.152	100	1.00	23.60	24.00	1.096	0.167
		Back	167300	836.5	-0.080	0.257	100	1.00	23.60	24.00	1.096	0.282
		Left	167300	836.5	0.020	0.096	100	1.00	23.60	24.00	1.096	0.105
		167300	167300	836.5	-0.170	0.010	100	1.00	23.60	24.00	1.096	0.011
		167300	167300	836.5	0.140	0.074	100	1.00	23.60	24.00	1.096	0.081
		167300	167300	836.5	0.060	0.013	100	1.00	23.60	24.00	1.096	0.014

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n7 (BW: 20MHz)	1RB	Left Cheek	512000	2560.0	0.110	0.124	100	1.00	22.73	23.00	1.064	0.132
		Left Tilt	512000	2560.0	0.020	0.173	100	1.00	22.73	23.00	1.064	0.184
		Right Cheek	512000	2560.0	-0.100	0.241	100	1.00	22.73	23.00	1.064	0.256
		Right Tilt	512000	2560.0	-0.090	0.405	100	1.00	22.73	23.00	1.064	0.431
	50%RB	Left Cheek	512000	2560.0	-0.070	0.085	100	1.00	22.73	23.00	1.064	0.090
		Left Tilt	512000	2560.0	0.050	0.126	100	1.00	22.73	23.00	1.064	0.134
		Right Cheek	512000	2560.0	0.120	0.147	100	1.00	22.73	23.00	1.064	0.156
		Right Tilt	512000	2560.0	-0.010	0.209	100	1.00	22.73	23.00	1.064	0.222
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n7 (BW: 20MHz)	1RB	Front	512000	2560.0	-0.170	0.028	100	1.00	22.73	23.00	1.064	0.030
		Back	512000	2560.0	0.060	0.046	100	1.00	22.73	23.00	1.064	0.049
		Left	512000	2560.0	0.018	0.020	100	1.00	22.73	23.00	1.064	0.021
		Right	512000	2560.0	0.009	0.007	100	1.00	22.73	23.00	1.064	0.007
		Top	512000	2560.0	-0.002	0.023	100	1.00	22.73	23.00	1.064	0.024
		Bottom	512000	2560.0	-0.015	0.009	100	1.00	22.73	23.00	1.064	0.010
	50%RB	Front	512000	2560.0	-0.050	0.020	100	1.00	22.73	23.00	1.064	0.021
		Back	512000	2560.0	0.130	0.029	100	1.00	22.73	23.00	1.064	0.031
		Left	512000	2560.0	0.070	0.011	100	1.00	22.73	23.00	1.064	0.012
		Right	512000	2560.0	0.120	0.003	100	1.00	22.73	23.00	1.064	0.003
		Top	512000	2560.0	-0.080	0.014	100	1.00	22.73	23.00	1.064	0.015
		Bottom	512000	2560.0	-0.190	0.005	100	1.00	22.73	23.00	1.064	0.005

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n12 (BW: 15MHz)	1RB	Left Cheek	141300	706.5	0.130	0.270	100	1.00	24.68	25.00	1.076	0.291
		Left Tilt	141300	706.5	0.170	0.124	100	1.00	24.68	25.00	1.076	0.133
		Right Cheek	141300	706.5	-0.020	0.216	100	1.00	24.68	25.00	1.076	0.233
		Right Tilt	141300	706.5	-0.050	0.072	100	1.00	24.68	25.00	1.076	0.078
	50%RB	Left Cheek	141300	706.5	0.150	0.178	100	1.00	24.68	25.00	1.076	0.192
		Left Tilt	141300	706.5	-0.060	0.081	100	1.00	24.68	25.00	1.076	0.087
		Right Cheek	141300	706.5	0.170	0.143	100	1.00	24.68	25.00	1.076	0.154
		Right Tilt	141300	706.5	-0.070	0.040	100	1.00	24.68	25.00	1.076	0.043
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n12 (BW: 15MHz)	1RB	Front	141300	706.5	0.050	0.217	100	1.00	24.68	25.00	1.076	0.234
		Back	141300	706.5	0.120	0.349	100	1.00	24.68	25.00	1.076	0.376
		Left	141300	706.5	-0.030	0.073	100	1.00	24.68	25.00	1.076	0.079
		Right	141300	706.5	-0.180	0.032	100	1.00	24.68	25.00	1.076	0.034
		Top	141300	706.5	-0.170	0.017	100	1.00	24.68	25.00	1.076	0.018
		Bottom	141300	706.5	0.020	0.149	100	1.00	24.68	25.00	1.076	0.160
	50%RB	Front	141300	706.5	0.070	0.118	100	1.00	24.68	25.00	1.076	0.127
		Back	141300	706.5	-0.160	0.204	100	1.00	24.68	25.00	1.076	0.220
		Left	141300	706.5	0.150	0.052	100	1.00	24.68	25.00	1.076	0.056
		Right	141300	706.5	-0.070	0.019	100	1.00	24.68	25.00	1.076	0.020
		Top	141300	706.5	0.030	0.013	100	1.00	24.68	25.00	1.076	0.014
		Bottom	141300	706.5	-0.080	0.072	100	1.00	24.68	25.00	1.076	0.078

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n38 (BW: 20MHz)	1RB	Left Cheek	515000	2575.0	-0.120	0.145	100	1.00	22.73	23.00	1.064	0.154
		Left Tilt	515000	2575.0	0.010	0.207	100	1.00	22.73	23.00	1.064	0.220
		Right Cheek	515000	2575.0	0.060	0.206	100	1.00	22.73	23.00	1.064	0.219
		Right Tilt	515000	2575.0	-0.140	0.447	100	1.00	22.73	23.00	1.064	0.476
	50%RB	Left Cheek	515000	2575.0	0.070	0.096	100	1.00	22.73	23.00	1.064	0.102
		Left Tilt	515000	2575.0	0.130	0.152	100	1.00	22.73	23.00	1.064	0.162
		Right Cheek	515000	2575.0	-0.190	0.148	100	1.00	22.73	23.00	1.064	0.157
		Right Tilt	515000	2575.0	0.020	0.267	100	1.00	22.73	23.00	1.064	0.284
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n38 (BW: 20MHz)	1RB	Front	515000	2575.0	0.050	0.067	100	1.00	22.73	23.00	1.064	0.071
		Back	515000	2575.0	-0.010	0.088	100	1.00	22.73	23.00	1.064	0.094
		Left	515000	2575.0	-0.120	0.034	100	1.00	22.73	23.00	1.064	0.036
		Right	515000	2575.0	-0.170	0.013	100	1.00	22.73	23.00	1.064	0.014
		Top	515000	2575.0	0.060	0.040	100	1.00	22.73	23.00	1.064	0.043
		Bottom	515000	2575.0	0.080	0.011	100	1.00	22.73	23.00	1.064	0.012
	50%RB	Front	515000	2575.0	-0.060	0.043	100	1.00	22.73	23.00	1.064	0.046
		Back	515000	2575.0	-0.110	0.062	100	1.00	22.73	23.00	1.064	0.066
		Left	515000	2575.0	0.050	0.021	100	1.00	22.73	23.00	1.064	0.022
		Right	515000	2575.0	0.120	0.008	100	1.00	22.73	23.00	1.064	0.009
		Top	515000	2575.0	-0.010	0.026	100	1.00	22.73	23.00	1.064	0.028
		Bottom	515000	2575.0	-0.130	0.005	100	1.00	22.73	23.00	1.064	0.005

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n41 (BW:100MHz)	1RB	Left Cheek	518598	2593.0	0.130	0.087	100	1.00	22.35	22.50	1.035	0.090
		Left Tilt	518598	2593.0	-0.050	0.138	100	1.00	22.35	22.50	1.035	0.143
		Right Cheek	518598	2593.0	-0.020	0.185	100	1.00	22.35	22.50	1.035	0.192
		Right Tilt	518598	2593.0	-0.100	0.372	100	1.00	22.35	22.50	1.035	0.385
	50%RB	Left Cheek	518598	2593.0	-0.010	0.061	100	1.00	22.35	22.50	1.035	0.063
		Left Tilt	518598	2593.0	0.080	0.089	100	1.00	22.35	22.50	1.035	0.092
		Right Cheek	518598	2593.0	0.170	0.124	100	1.00	22.35	22.50	1.035	0.128
		Right Tilt	518598	2593.0	-0.130	0.182	100	1.00	22.35	22.50	1.035	0.188
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n41 (BW:100MHz)	1RB	Front	518598	2593.0	-0.020	0.038	100	1.00	22.35	22.50	1.035	0.039
		Back	518598	2593.0	0.160	0.067	100	1.00	22.35	22.50	1.035	0.069
		Left	518598	2593.0	-0.140	0.022	100	1.00	22.35	22.50	1.035	0.023
		Right	518598	2593.0	-0.050	0.007	100	1.00	22.35	22.50	1.035	0.007
		Top	518598	2593.0	0.110	0.020	100	1.00	22.35	22.50	1.035	0.021
		Bottom	518598	2593.0	-0.170	0.005	100	1.00	22.35	22.50	1.035	0.005
	50%RB	Front	518598	2593.0	0.060	0.027	100	1.00	22.35	22.50	1.035	0.028
		Back	518598	2593.0	0.140	0.040	100	1.00	22.35	22.50	1.035	0.041
		Left	518598	2593.0	-0.020	0.016	100	1.00	22.35	22.50	1.035	0.017
		Right	518598	2593.0	-0.070	0.005	100	1.00	22.35	22.50	1.035	0.005
		Top	518598	2593.0	0.170	0.012	100	1.00	22.35	22.50	1.035	0.012
		Bottom	518598	2593.0	-0.190	0.003	100	1.00	22.35	22.50	1.035	0.003

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n66 (BW:40MHz)	1RB	Left Cheek	349000	1745.0	-0.070	0.027	100	1.00	23.07	23.50	1.104	0.030
		Left Tilt	349000	1745.0	0.060	0.052	100	1.00	23.07	23.50	1.104	0.057
		Right Cheek	349000	1745.0	0.110	0.046	100	1.00	23.07	23.50	1.104	0.051
		Right Tilt	349000	1745.0	-0.140	0.111	100	1.00	23.07	23.50	1.104	0.123
	50%RB	Left Cheek	349000	1745.0	0.080	0.019	100	1.00	23.07	23.50	1.104	0.021
		Left Tilt	349000	1745.0	-0.100	0.034	100	1.00	23.07	23.50	1.104	0.038
		Right Cheek	349000	1745.0	-0.150	0.029	100	1.00	23.07	23.50	1.104	0.032
		Right Tilt	349000	1745.0	-0.070	0.061	100	1.00	23.07	23.50	1.104	0.067
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n66 (BW:40MHz)	1RB	Front	349000	1745.0	0.050	0.024	100	1.00	23.07	23.50	1.104	0.026
		Back	349000	1745.0	-0.120	0.052	100	1.00	23.07	23.50	1.104	0.057
		Left	349000	1745.0	-0.130	0.018	100	1.00	23.07	23.50	1.104	0.020
		Right	349000	1745.0	0.070	0.007	100	1.00	23.07	23.50	1.104	0.008
		Top	349000	1745.0	0.020	0.013	100	1.00	23.07	23.50	1.104	0.014
		Bottom	349000	1745.0	-0.190	0.005	100	1.00	23.07	23.50	1.104	0.006
	50%RB	Front	349000	1745.0	0.010	0.016	100	1.00	23.07	23.50	1.104	0.018
		Back	349000	1745.0	-0.090	0.029	100	1.00	23.07	23.50	1.104	0.032
		Left	349000	1745.0	-0.120	0.010	100	1.00	23.07	23.50	1.104	0.011
		Right	349000	1745.0	-0.030	0.005	100	1.00	23.07	23.50	1.104	0.006
		Top	349000	1745.0	0.110	0.007	100	1.00	23.07	23.50	1.104	0.008
		Bottom	349000	1745.0	-0.180	0.003	100	1.00	23.07	23.50	1.104	0.003

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n71 (BW:15MHz)	1RB	Left Cheek	137600	688.0	-0.060	0.296	100	1.00	24.56	25.00	1.107	0.328
		Left Tilt	137600	688.0	-0.100	0.071	100	1.00	24.56	25.00	1.107	0.079
		Right Cheek	137600	688.0	0.050	0.064	100	1.00	24.56	25.00	1.107	0.071
		Right Tilt	137600	688.0	0.140	0.047	100	1.00	24.56	25.00	1.107	0.052
	50%RB	Left Cheek	137600	688.0	-0.120	0.179	100	1.00	24.56	25.00	1.107	0.198
		Left Tilt	137600	688.0	-0.020	0.057	100	1.00	24.56	25.00	1.107	0.063
		Right Cheek	137600	688.0	-0.090	0.055	100	1.00	24.56	25.00	1.107	0.061
		Right Tilt	137600	688.0	0.140	0.038	100	1.00	24.56	25.00	1.107	0.042
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n71 (BW:15MHz)	1RB	Front	688.0	-0.050	0.313	100	1.00	24.56	25.00	1.107	0.346	688.0
		Back	688.0	-0.070	0.433	100	1.00	24.56	25.00	1.107	0.479	688.0
		Left	688.0	0.020	0.038	100	1.00	24.56	25.00	1.107	0.042	688.0
		Right	688.0	0.150	0.075	100	1.00	24.56	25.00	1.107	0.083	688.0
		Top	688.0	0.160	0.014	100	1.00	24.56	25.00	1.107	0.015	688.0
		Bottom	688.0	-0.090	0.082	100	1.00	24.56	25.00	1.107	0.091	688.0
	50%RB	Front	688.0	-0.080	0.219	100	1.00	24.56	25.00	1.107	0.242	688.0
		Back	688.0	0.130	0.327	100	1.00	24.56	25.00	1.107	0.362	688.0
		Left	688.0	-0.170	0.023	100	1.00	24.56	25.00	1.107	0.025	688.0
		Right	688.0	0.020	0.045	100	1.00	24.56	25.00	1.107	0.050	688.0
		Top	688.0	-0.190	0.007	100	1.00	24.56	25.00	1.107	0.008	688.0
		Bottom	688.0	0.050	0.059	100	1.00	24.56	25.00	1.107	0.065	688.0

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:50MHz)	1RB	Left Cheek	633334	3500.0	-0.080	0.042	100	1.00	24.97	25.00	1.007	0.042
		Left Tilt	633334	3500.0	0.110	0.063	100	1.00	24.97	25.00	1.007	0.063
		Right Cheek	633334	3500.0	-0.030	0.157	100	1.00	24.97	25.00	1.007	0.158
		Right Tilt	633334	3500.0	0.150	0.197	100	1.00	24.97	25.00	1.007	0.198
	50%RB	Left Cheek	633334	3500.0	-0.020	0.025	100	1.00	24.97	25.00	1.007	0.025
		Left Tilt	633334	3500.0	-0.170	0.043	100	1.00	24.97	25.00	1.007	0.043
		Right Cheek	633334	3500.0	0.100	0.092	100	1.00	24.97	25.00	1.007	0.093
		Right Tilt	633334	3500.0	0.050	0.129	100	1.00	24.97	25.00	1.007	0.130
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:50MHz)	1RB	Front	633334	3500.0	-0.020	0.165	100	1.00	24.97	25.00	1.007	0.166
		Back	633334	3500.0	0.100	0.237	100	1.00	24.97	25.00	1.007	0.239
		Left	633334	3500.0	-0.070	0.047	100	1.00	24.97	25.00	1.007	0.047
		Right	633334	3500.0	0.160	0.022	100	1.00	24.97	25.00	1.007	0.022
		Top	633334	3500.0	0.080	0.043	100	1.00	24.97	25.00	1.007	0.043
		Bottom	633334	3500.0	0.050	0.019	100	1.00	24.97	25.00	1.007	0.019
	50%RB	Front	633334	3500.0	-0.060	0.135	100	1.00	24.97	25.00	1.007	0.136
		Back	633334	3500.0	-0.140	0.193	100	1.00	24.97	25.00	1.007	0.194
		Left	633334	3500.0	0.110	0.032	100	1.00	24.97	25.00	1.007	0.032
		Right	633334	3500.0	0.080	0.011	100	1.00	24.97	25.00	1.007	0.011
		Top	633334	3500.0	0.130	0.028	100	1.00	24.97	25.00	1.007	0.028
		Bottom	633334	3500.0	-0.090	0.010	100	1.00	24.97	25.00	1.007	0.010

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:50MHz)	1RB	Left Cheek	646332	3695.0	-0.080	0.048	100	1.00	24.38	24.50	1.028	0.049
		Left Tilt	646332	3695.0	0.130	0.093	100	1.00	24.38	24.50	1.028	0.096
		Right Cheek	646332	3695.0	0.040	0.185	100	1.00	24.38	24.50	1.028	0.190
		Right Tilt	646332	3695.0	-0.120	0.314	100	1.00	24.38	24.50	1.028	0.323
	50%RB	Left Cheek	646332	3695.0	-0.020	0.029	100	1.00	24.38	24.50	1.028	0.030
		Left Tilt	646332	3695.0	0.160	0.046	100	1.00	24.38	24.50	1.028	0.047
		Right Cheek	646332	3695.0	0.070	0.094	100	1.00	24.38	24.50	1.028	0.097
		Right Tilt	646332	3695.0	0.090	0.153	100	1.00	24.38	24.50	1.028	0.157
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:50MHz)	1RB	Front	646332	3695.0	0.100	0.049	100	1.00	24.38	24.50	1.028	0.050
		Back	646332	3695.0	-0.050	0.096	100	1.00	24.38	24.50	1.028	0.099
		Left	646332	3695.0	-0.030	0.027	100	1.00	24.38	24.50	1.028	0.028
		Right	646332	3695.0	0.130	0.009	100	1.00	24.38	24.50	1.028	0.009
		Top	646332	3695.0	0.110	0.022	100	1.00	24.38	24.50	1.028	0.023
		Bottom	646332	3695.0	-0.060	0.008	100	1.00	24.38	24.50	1.028	0.008
	50%RB	Front	646332	3695.0	-0.050	0.035	100	1.00	24.38	24.50	1.028	0.036
		Back	646332	3695.0	0.130	0.059	100	1.00	24.38	24.50	1.028	0.061
		Left	646332	3695.0	-0.170	0.018	100	1.00	24.38	24.50	1.028	0.019
		Right	646332	3695.0	0.020	0.005	100	1.00	24.38	24.50	1.028	0.005
		Top	646332	3695.0	0.110	0.013	100	1.00	24.38	24.50	1.028	0.013
		Bottom	646332	3695.0	0.090	0.003	100	1.00	24.38	24.50	1.028	0.003

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:50MHz)	1RB	Left Cheek	656000	3890.0	-0.160	0.153	100	1.00	24.26	24.50	1.057	0.162
		Left Tilt	656000	3890.0	0.050	0.201	100	1.00	24.26	24.50	1.057	0.212
		Right Cheek	656000	3890.0	0.070	0.283	100	1.00	24.26	24.50	1.057	0.299
		Right Tilt	656000	3890.0	-0.100	0.461	100	1.00	24.26	24.50	1.057	0.487
	50%RB	Left Cheek	656000	3890.0	0.030	0.084	100	1.00	24.26	24.50	1.057	0.089
		Left Tilt	656000	3890.0	-0.170	0.106	100	1.00	24.26	24.50	1.057	0.112
		Right Cheek	656000	3890.0	0.110	0.172	100	1.00	24.26	24.50	1.057	0.182
		Right Tilt	656000	3890.0	-0.100	0.237	100	1.00	24.26	24.50	1.057	0.250
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n77 (BW:50MHz)	1RB	Front	656000	3890.0	0.130	0.068	100	1.00	24.26	24.50	1.057	0.072
		Back	656000	3890.0	0.010	0.134	100	1.00	24.26	24.50	1.057	0.142
		Left	656000	3890.0	-0.090	0.028	100	1.00	24.26	24.50	1.057	0.030
		Right	656000	3890.0	0.040	0.015	100	1.00	24.26	24.50	1.057	0.016
		Top	656000	3890.0	-0.030	0.023	100	1.00	24.26	24.50	1.057	0.024
		Bottom	656000	3890.0	0.080	0.010	100	1.00	24.26	24.50	1.057	0.011
	50%RB	Front	656000	3890.0	-0.050	0.030	100	1.00	24.26	24.50	1.057	0.032
		Back	656000	3890.0	0.120	0.053	100	1.00	24.26	24.50	1.057	0.056
		Left	656000	3890.0	0.070	0.016	100	1.00	24.26	24.50	1.057	0.017
		Right	656000	3890.0	0.160	0.008	100	1.00	24.26	24.50	1.057	0.008
		Top	656000	3890.0	-0.090	0.012	100	1.00	24.26	24.50	1.057	0.013
		Bottom	656000	3890.0	0.010	0.005	100	1.00	24.26	24.50	1.057	0.005

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Left Cheek	631668	3475.0	-0.070	0.055	100	1.00	24.78	25.00	1.052	0.058
		Left Tilt	631668	3475.0	0.050	0.074	100	1.00	24.78	25.00	1.052	0.078
		Right Cheek	631668	3475.0	0.020	0.193	100	1.00	24.78	25.00	1.052	0.203
		Right Tilt	631668	3475.0	-0.150	0.252	100	1.00	24.78	25.00	1.052	0.265
	50%RB	Left Cheek	631668	3475.0	0.150	0.022	100	1.00	24.78	25.00	1.052	0.023
		Left Tilt	631668	3475.0	-0.030	0.026	100	1.00	24.78	25.00	1.052	0.027
		Right Cheek	631668	3475.0	0.010	0.064	100	1.00	24.78	25.00	1.052	0.067
		Right Tilt	631668	3475.0	0.140	0.139	100	1.00	24.78	25.00	1.052	0.146
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Front	631668	3475.0	-0.160	0.028	100	1.00	24.78	25.00	1.052	0.029
		Back	631668	3475.0	0.010	0.049	100	1.00	24.78	25.00	1.052	0.052
		Left	631668	3475.0	0.040	0.010	100	1.00	24.78	25.00	1.052	0.011
		Right	631668	3475.0	-0.070	0.005	100	1.00	24.78	25.00	1.052	0.005
		Top	631668	3475.0	0.130	0.007	100	1.00	24.78	25.00	1.052	0.007
		Bottom	631668	3475.0	0.120	0.003	100	1.00	24.78	25.00	1.052	0.003
	50%RB	Front	631668	3475.0	-0.140	0.017	100	1.00	24.78	25.00	1.052	0.018
		Back	631668	3475.0	0.100	0.026	100	1.00	24.78	25.00	1.052	0.027
		Left	631668	3475.0	0.070	0.007	100	1.00	24.78	25.00	1.052	0.007
		Right	631668	3475.0	0.050	0.005	100	1.00	24.78	25.00	1.052	0.005
		Top	631668	3475.0	-0.170	0.004	100	1.00	24.78	25.00	1.052	0.004
		Bottom	631668	3475.0	-0.190	0.002	100	1.00	24.78	25.00	1.052	0.002

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Left Cheek	637000	3560.0	-0.050	0.069	100	1.00	24.17	24.50	1.079	0.074
		Left Tilt	637000	3560.0	0.190	0.124	100	1.00	24.17	24.50	1.079	0.134
		Right Cheek	637000	3560.0	0.120	0.192	100	1.00	24.17	24.50	1.079	0.207
		Right Tilt	637000	3560.0	-0.040	0.358	100	1.00	24.17	24.50	1.079	0.386
	50%RB	Left Cheek	637000	3560.0	-0.010	0.029	100	1.00	24.17	24.50	1.079	0.031
		Left Tilt	637000	3560.0	-0.160	0.058	100	1.00	24.17	24.50	1.079	0.063
		Right Cheek	637000	3560.0	0.140	0.127	100	1.00	24.17	24.50	1.079	0.137
		Right Tilt	637000	3560.0	-0.080	0.194	100	1.00	24.17	24.50	1.079	0.209
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Front	637000	3560.0	0.150	0.095	100	1.00	24.17	24.50	1.079	0.102
		Back	637000	3560.0	-0.110	0.167	100	1.00	24.17	24.50	1.079	0.180
		Left	637000	3560.0	0.060	0.047	100	1.00	24.17	24.50	1.079	0.051
		Right	637000	3560.0	0.090	0.018	100	1.00	24.17	24.50	1.079	0.019
		Top	637000	3560.0	-0.170	0.053	100	1.00	24.17	24.50	1.079	0.057
		Bottom	637000	3560.0	0.020	0.009	100	1.00	24.17	24.50	1.079	0.010
	50%RB	Front	637000	3560.0	-0.070	0.046	100	1.00	24.17	24.50	1.079	0.050
		Back	637000	3560.0	0.020	0.107	100	1.00	24.17	24.50	1.079	0.115
		Left	637000	3560.0	0.130	0.023	100	1.00	24.17	24.50	1.079	0.025
		Right	637000	3560.0	-0.190	0.009	100	1.00	24.17	24.50	1.079	0.010
		Top	637000	3560.0	-0.050	0.026	100	1.00	24.17	24.50	1.079	0.028
		Bottom	637000	3560.0	0.120	0.005	100	1.00	24.17	24.50	1.079	0.005

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Left Cheek	650000	3750.0	-0.110	0.106	100	1.00	24.09	24.50	1.099	0.116
		Left Tilt	650000	3750.0	0.050	0.125	100	1.00	24.09	24.50	1.099	0.137
		Right Cheek	650000	3750.0	-0.180	0.267	100	1.00	24.09	24.50	1.099	0.293
		Right Tilt	650000	3750.0	-0.070	0.444	100	1.00	24.09	24.50	1.099	0.488
	50%RB	Left Cheek	650000	3750.0	-0.100	0.059	100	1.00	24.09	24.50	1.099	0.065
		Left Tilt	650000	3750.0	0.080	0.073	100	1.00	24.09	24.50	1.099	0.080
		Right Cheek	650000	3750.0	-0.130	0.147	100	1.00	24.09	24.50	1.099	0.162
		Right Tilt	650000	3750.0	0.020	0.239	100	1.00	24.09	24.50	1.099	0.263
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
NR n78 (BW:50MHz)	1RB	Front	650000	3750.0	-0.060	0.168	100	1.00	24.09	24.50	1.099	0.185
		Back	650000	3750.0	0.190	0.226	100	1.00	24.09	24.50	1.099	0.248
		Left	650000	3750.0	0.100	0.065	100	1.00	24.09	24.50	1.099	0.071
		Right	650000	3750.0	-0.020	0.020	100	1.00	24.09	24.50	1.099	0.022
		Top	650000	3750.0	0.150	0.068	100	1.00	24.09	24.50	1.099	0.075
		Bottom	650000	3750.0	-0.040	0.017	100	1.00	24.09	24.50	1.099	0.019
	50%RB	Front	650000	3750.0	0.070	0.076	100	1.00	24.09	24.50	1.099	0.084
		Back	650000	3750.0	0.120	0.127	100	1.00	24.09	24.50	1.099	0.140
		Left	650000	3750.0	-0.170	0.032	100	1.00	24.09	24.50	1.099	0.035
		Right	650000	3750.0	0.140	0.011	100	1.00	24.09	24.50	1.099	0.012
		Top	650000	3750.0	-0.020	0.036	100	1.00	24.09	24.50	1.099	0.040
		Bottom	650000	3750.0	-0.090	0.007	100	1.00	24.09	24.50	1.099	0.008

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Ch.	Scaling Factor	1g Scaled SAR (W/kg)
2-n7 (BW: 20MHz)	1RB	Left Cheek	20325	1747.5	-0.040	0.531	100	1.00	22.45	22.50	1.012	0.537
		Left Tilt	20325	1747.5	-0.150	0.214	100	1.00	22.45	22.50	1.012	0.216
		Right Cheek	20325	1747.5	0.020	0.867	100	1.00	22.45	22.50	1.012	0.877
		Right Tilt	20325	1747.5	-0.030	0.361	100	1.00	22.45	22.50	1.012	0.365
	50%RB	Left Cheek	20325	1747.5	0.040	0.275	100	1.00	22.45	22.50	1.012	0.278
		Left Tilt	20325	1747.5	0.130	0.174	100	1.00	22.45	22.50	1.012	0.176
		Right Cheek	20325	1747.5	-0.170	0.534	100	1.00	22.45	22.50	1.012	0.540
		Right Tilt	20325	1747.5	0.080	0.219	100	1.00	22.45	22.50	1.012	0.222
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Ch.	Scaling Factor	1g Scaled SAR (W/kg)
2-n7 (BW: 20MHz)	1RB	Front	20325	1747.5	0.070	0.179	100	1.00	22.45	22.50	1.012	0.181
		Back	20325	1747.5	-0.040	0.268	100	1.00	22.45	22.50	1.012	0.271
		Left	20325	1747.5	-0.110	0.096	100	1.00	22.45	22.50	1.012	0.097
		Right	20325	1747.5	0.180	0.029	100	1.00	22.45	22.50	1.012	0.029
		Top	20325	1747.5	0.020	0.064	100	1.00	22.45	22.50	1.012	0.065
		Bottom	20325	1747.5	0.140	0.025	100	1.00	22.45	22.50	1.012	0.025
	50%RB	Front	20325	1747.5	-0.130	0.135	100	1.00	22.45	22.50	1.012	0.137
		Back	20325	1747.5	0.010	0.175	100	1.00	22.45	22.50	1.012	0.177
		Left	20325	1747.5	-0.050	0.071	100	1.00	22.45	22.50	1.012	0.072
		Right	20325	1747.5	0.060	0.020	100	1.00	22.45	22.50	1.012	0.020
		Top	20325	1747.5	0.140	0.045	100	1.00	22.45	22.50	1.012	0.046
		Bottom	20325	1747.5	-0.090	0.012	100	1.00	22.45	22.50	1.012	0.012

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n66 (BW: 20MHz)	1RB	Left Cheek	20325	1747.5	0.100	0.496	100	1.00	22.51	23.00	1.119	0.555
		Left Tilt	20325	1747.5	0.140	0.218	100	1.00	22.51	23.00	1.119	0.244
		Right Cheek	20325	1747.5	-0.030	0.723	100	1.00	22.51	23.00	1.119	0.809
		Right Tilt	20325	1747.5	0.050	0.306	100	1.00	22.51	23.00	1.119	0.343
	50%RB	Left Cheek	20325	1747.5	-0.070	0.264	100	1.00	22.51	23.00	1.119	0.296
		Left Tilt	20325	1747.5	-0.050	0.143	100	1.00	22.51	23.00	1.119	0.160
		Right Cheek	20325	1747.5	0.130	0.475	100	1.00	22.51	23.00	1.119	0.532
		Right Tilt	20325	1747.5	0.020	0.176	100	1.00	22.51	23.00	1.119	0.197
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n66 (BW: 20MHz)	1RB	Front	20325	1747.5	-0.120	0.155	100	1.00	22.51	23.00	1.119	0.174
		Back	20325	1747.5	-0.190	0.219	100	1.00	22.51	23.00	1.119	0.245
		Left	20325	1747.5	0.030	0.074	100	1.00	22.51	23.00	1.119	0.083
		Right	20325	1747.5	-0.170	0.013	100	1.00	22.51	23.00	1.119	0.015
		Top	20325	1747.5	0.060	0.038	100	1.00	22.51	23.00	1.119	0.043
		Bottom	20325	1747.5	0.080	0.020	100	1.00	22.51	23.00	1.119	0.022
	50%RB	Front	20325	1747.5	-0.040	0.088	100	1.00	22.51	23.00	1.119	0.099
		Back	20325	1747.5	0.150	0.132	100	1.00	22.51	23.00	1.119	0.148
		Left	20325	1747.5	-0.090	0.037	100	1.00	22.51	23.00	1.119	0.041
		Right	20325	1747.5	0.020	0.006	100	1.00	22.51	23.00	1.119	0.007
		Top	20325	1747.5	0.070	0.023	100	1.00	22.51	23.00	1.119	0.026
		Bottom	20325	1747.5	-0.140	0.009	100	1.00	22.51	23.00	1.119	0.010

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n78 (BW: 20MHz)	1RB	Left Cheek	20325	1747.5	0.080	0.527	100	1.00	21.99	22.00	1.002	0.528
		Left Tilt	20325	1747.5	-0.040	0.265	100	1.00	21.99	22.00	1.002	0.266
		Right Cheek	20325	1747.5	-0.010	0.801	100	1.00	21.99	22.00	1.002	0.803
		Right Tilt	20325	1747.5	0.130	0.439	100	1.00	21.99	22.00	1.002	0.440
	50%RB	Left Cheek	20325	1747.5	0.070	0.335	100	1.00	21.99	22.00	1.002	0.336
		Left Tilt	20325	1747.5	-0.120	0.174	100	1.00	21.99	22.00	1.002	0.174
		Right Cheek	20325	1747.5	0.050	0.478	100	1.00	21.99	22.00	1.002	0.479
		Right Tilt	20325	1747.5	-0.110	0.247	100	1.00	21.99	22.00	1.002	0.248
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2-n78 (BW: 20MHz)	1RB	Front	20325	1747.5	0.060	0.173	100	1.00	21.99	22.00	1.002	0.173
		Back	20325	1747.5	-0.030	0.254	100	1.00	21.99	22.00	1.002	0.255
		Left	20325	1747.5	0.110	0.102	100	1.00	21.99	22.00	1.002	0.102
		Right	20325	1747.5	-0.140	0.013	100	1.00	21.99	22.00	1.002	0.013
		Top	20325	1747.5	-0.150	0.065	100	1.00	21.99	22.00	1.002	0.065
		Bottom	20325	1747.5	0.070	0.036	100	1.00	21.99	22.00	1.002	0.036
	50%RB	Front	20325	1747.5	-0.150	0.135	100	1.00	21.99	22.00	1.002	0.135
		Back	20325	1747.5	0.010	0.183	100	1.00	21.99	22.00	1.002	0.183
		Left	20325	1747.5	0.070	0.072	100	1.00	21.99	22.00	1.002	0.072
		Right	20325	1747.5	-0.100	0.009	100	1.00	21.99	22.00	1.002	0.009
		Top	20325	1747.5	0.190	0.043	100	1.00	21.99	22.00	1.002	0.043
		Bottom	20325	1747.5	0.130	0.021	100	1.00	21.99	22.00	1.002	0.021

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n7 (BW: 20MHz)	1RB	Left Cheek	20325	1747.5	-0.030	0.152	100	1.00	22.38	22.50	1.028	0.156
		Left Tilt	20325	1747.5	0.010	0.196	100	1.00	22.38	22.50	1.028	0.201
		Right Cheek	20325	1747.5	-0.150	0.213	100	1.00	22.38	22.50	1.028	0.219
		Right Tilt	20325	1747.5	-0.080	0.260	100	1.00	22.38	22.50	1.028	0.267
	50%RB	Left Cheek	20325	1747.5	-0.040	0.109	100	1.00	22.38	22.50	1.028	0.112
		Left Tilt	20325	1747.5	0.080	0.131	100	1.00	22.38	22.50	1.028	0.135
		Right Cheek	20325	1747.5	0.012	0.173	100	1.00	22.38	22.50	1.028	0.178
		Right Tilt	20325	1747.5	-0.075	0.210	100	1.00	22.38	22.50	1.028	0.216
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n7 (BW: 20MHz)	1RB	Front	20325	1747.5	-0.080	0.175	100	1.00	22.38	22.50	1.028	0.180
		Back	20325	1747.5	-0.016	0.227	100	1.00	22.38	22.50	1.028	0.233
		Left	20325	1747.5	0.015	0.132	100	1.00	22.38	22.50	1.028	0.136
		Right	20325	1747.5	-0.090	0.019	100	1.00	22.38	22.50	1.028	0.020
		Top	20325	1747.5	0.010	0.103	100	1.00	22.38	22.50	1.028	0.106
		Bottom	20325	1747.5	-0.050	0.014	100	1.00	22.38	22.50	1.028	0.014
	50%RB	Front	20325	1747.5	-0.090	0.117	100	1.00	22.38	22.50	1.028	0.120
		Back	20325	1747.5	0.012	0.130	100	1.00	22.38	22.50	1.028	0.134
		Left	20325	1747.5	-0.017	0.074	100	1.00	22.38	22.50	1.028	0.076
		Right	20325	1747.5	0.050	0.015	100	1.00	22.38	22.50	1.028	0.015
		Top	20325	1747.5	0.013	0.057	100	1.00	22.38	22.50	1.028	0.059
		Bottom	20325	1747.5	-0.030	0.009	100	1.00	22.38	22.50	1.028	0.009

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n41 (BW: 20MHz)	1RB	Left Cheek	20325	1747.5	0.120	0.412	100	1.00	22.16	22.50	1.081	0.446
		Left Tilt	20325	1747.5	-0.080	0.235	100	1.00	22.16	22.50	1.081	0.254
		Right Cheek	20325	1747.5	-0.020	0.452	100	1.00	22.16	22.50	1.081	0.489
		Right Tilt	20325	1747.5	0.060	0.293	100	1.00	22.16	22.50	1.081	0.317
	50%RB	Left Cheek	20325	1747.5	-0.050	0.189	100	1.00	22.16	22.50	1.081	0.204
		Left Tilt	20325	1747.5	-0.170	0.126	100	1.00	22.16	22.50	1.081	0.136
		Right Cheek	20325	1747.5	0.090	0.248	100	1.00	22.16	22.50	1.081	0.268
		Right Tilt	20325	1747.5	0.140	0.165	100	1.00	22.16	22.50	1.081	0.178
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n41 (BW: 20MHz)	1RB	Front	20325	1747.5	-0.070	0.249	100	1.00	22.16	22.50	1.081	0.269
		Back	20325	1747.5	0.050	0.386	100	1.00	22.16	22.50	1.081	0.417
		Left	20325	1747.5	0.020	0.165	100	1.00	22.16	22.50	1.081	0.178
		Right	20325	1747.5	0.017	0.037	100	1.00	22.16	22.50	1.081	0.040
		Top	20325	1747.5	-0.020	0.131	100	1.00	22.16	22.50	1.081	0.142
		Bottom	20325	1747.5	-0.009	0.021	100	1.00	22.16	22.50	1.081	0.023
	50%RB	Front	20325	1747.5	-0.150	0.148	100	1.00	22.16	22.50	1.081	0.160
		Back	20325	1747.5	0.010	0.204	100	1.00	22.16	22.50	1.081	0.221
		Left	20325	1747.5	-0.160	0.069	100	1.00	22.16	22.50	1.081	0.075
		Right	20325	1747.5	0.030	0.018	100	1.00	22.16	22.50	1.081	0.019
		Top	20325	1747.5	0.018	0.052	100	1.00	22.16	22.50	1.081	0.056
		Bottom	20325	1747.5	-0.040	0.009	100	1.00	22.16	22.50	1.081	0.010

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n78 (BW: 20MHz)	1RB	Left Cheek	20325	1747.5	-0.030	0.512	100	1.00	21.78	22.00	1.052	0.539
		Left Tilt	20325	1747.5	0.020	0.311	100	1.00	21.78	22.00	1.052	0.327
		Right Cheek	20325	1747.5	-0.020	0.662	100	1.00	21.78	22.00	1.052	0.696
		Right Tilt	20325	1747.5	0.010	0.346	100	1.00	21.78	22.00	1.052	0.364
	50%RB	Left Cheek	20325	1747.5	-0.010	0.243	100	1.00	21.78	22.00	1.052	0.256
		Left Tilt	20325	1747.5	0.150	0.126	100	1.00	21.78	22.00	1.052	0.133
		Right Cheek	20325	1747.5	0.130	0.394	100	1.00	21.78	22.00	1.052	0.414
		Right Tilt	20325	1747.5	-0.080	0.185	100	1.00	21.78	22.00	1.052	0.195
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
4-n78 (BW: 20MHz)	1RB	Front	20325	1747.5	-0.140	0.136	100	1.00	21.78	22.00	1.052	0.143
		Back	20325	1747.5	-0.060	0.173	100	1.00	21.78	22.00	1.052	0.182
		Left	20325	1747.5	0.020	0.117	100	1.00	21.78	22.00	1.052	0.123
		Right	20325	1747.5	-0.020	0.013	100	1.00	21.78	22.00	1.052	0.014
		Top	20325	1747.5	0.080	0.097	100	1.00	21.78	22.00	1.052	0.102
		Bottom	20325	1747.5	0.050	0.010	100	1.00	21.78	22.00	1.052	0.011
	50%RB	Front	20325	1747.5	0.090	0.068	100	1.00	21.78	22.00	1.052	0.072
		Back	20325	1747.5	-0.110	0.091	100	1.00	21.78	22.00	1.052	0.096
		Left	20325	1747.5	-0.180	0.047	100	1.00	21.78	22.00	1.052	0.049
		Right	20325	1747.5	-0.020	0.010	100	1.00	21.78	22.00	1.052	0.011
		Top	20325	1747.5	0.140	0.036	100	1.00	21.78	22.00	1.052	0.038
		Bottom	20325	1747.5	-0.050	0.005	100	1.00	21.78	22.00	1.052	0.005

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n7 (BW: 10MHz)	1RB	Left Cheek	20425	826.5	-0.120	0.735	100	1.00	21.59	22.00	1.099	0.808
		Left Tilt	20425	826.5	-0.060	0.164	100	1.00	21.59	22.00	1.099	0.180
		Right Cheek	20425	826.5	-0.160	0.381	100	1.00	21.59	22.00	1.099	0.419
		Right Tilt	20425	826.5	0.150	0.127	100	1.00	21.59	22.00	1.099	0.140
	50%RB	Left Cheek	20425	826.5	0.010	0.516	100	1.00	21.59	22.00	1.099	0.567
		Left Tilt	20425	826.5	-0.120	0.062	100	1.00	21.59	22.00	1.099	0.068
		Right Cheek	20425	826.5	-0.080	0.178	100	1.00	21.59	22.00	1.099	0.196
		Right Tilt	20425	826.5	-0.040	0.057	100	1.00	21.59	22.00	1.099	0.063
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n7 (BW: 10MHz)	1RB	Front	20425	826.5	-0.160	0.342	100	1.00	21.59	22.00	1.099	0.376
		Back	20425	826.5	-0.070	0.562	100	1.00	21.59	22.00	1.099	0.618
		Left	20425	826.5	0.050	0.175	100	1.00	21.59	22.00	1.099	0.192
		Right	20425	826.5	0.010	0.026	100	1.00	21.59	22.00	1.099	0.029
		Top	20425	826.5	0.190	0.083	100	1.00	21.59	22.00	1.099	0.091
		Bottom	20425	826.5	-0.040	0.049	100	1.00	21.59	22.00	1.099	0.054
	50%RB	Front	20425	826.5	-0.060	0.168	100	1.00	21.59	22.00	1.099	0.185
		Back	20425	826.5	0.130	0.329	100	1.00	21.59	22.00	1.099	0.362
		Left	20425	826.5	-0.170	0.082	100	1.00	21.59	22.00	1.099	0.090
		Right	20425	826.5	-0.080	0.016	100	1.00	21.59	22.00	1.099	0.018
		Top	20425	826.5	0.100	0.047	100	1.00	21.59	22.00	1.099	0.052
		Bottom	20425	826.5	-0.030	0.025	100	1.00	21.59	22.00	1.099	0.027

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n38 (BW: 10MHz)	1RB	Left Cheek	20425	826.5	-0.030	0.311	100	1.00	22.67	23.00	1.079	0.336
		Left Tilt	20425	826.5	0.120	0.157	100	1.00	22.67	23.00	1.079	0.169
		Right Cheek	20425	826.5	-0.180	0.276	100	1.00	22.67	23.00	1.079	0.298
		Right Tilt	20425	826.5	0.130	0.130	100	1.00	22.67	23.00	1.079	0.140
	50%RB	Left Cheek	20425	826.5	-0.160	0.138	100	1.00	22.67	23.00	1.079	0.149
		Left Tilt	20425	826.5	0.080	0.076	100	1.00	22.67	23.00	1.079	0.082
		Right Cheek	20425	826.5	0.110	0.087	100	1.00	22.67	23.00	1.079	0.094
		Right Tilt	20425	826.5	-0.140	0.054	100	1.00	22.67	23.00	1.079	0.058
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n38 (BW: 10MHz)	1RB	Front	20425	826.5	0.150	0.153	100	1.00	22.67	23.00	1.079	0.165
		Back	20425	826.5	-0.050	0.209	100	1.00	22.67	23.00	1.079	0.225
		Left	20425	826.5	0.090	0.114	100	1.00	22.67	23.00	1.079	0.123
		Right	20425	826.5	-0.030	0.011	100	1.00	22.67	23.00	1.079	0.012
		Top	20425	826.5	0.140	0.089	100	1.00	22.67	23.00	1.079	0.096
		Bottom	20425	826.5	0.080	0.009	100	1.00	22.67	23.00	1.079	0.010
	50%RB	Front	20425	826.5	-0.070	0.073	100	1.00	22.67	23.00	1.079	0.079
		Back	20425	826.5	0.030	0.098	100	1.00	22.67	23.00	1.079	0.106
		Left	20425	826.5	-0.170	0.047	100	1.00	22.67	23.00	1.079	0.051
		Right	20425	826.5	-0.160	0.007	100	1.00	22.67	23.00	1.079	0.008
		Top	20425	826.5	0.050	0.032	100	1.00	22.67	23.00	1.079	0.035
		Bottom	20425	826.5	-0.080	0.007	100	1.00	22.67	23.00	1.079	0.008

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n41 (BW: 10MHz)	1RB	Left Cheek	20425	826.5	0.060	0.514	100	1.00	22.59	23.00	1.099	0.565
		Left Tilt	20425	826.5	-0.180	0.216	100	1.00	22.59	23.00	1.099	0.237
		Right Cheek	20425	826.5	-0.120	0.421	100	1.00	22.59	23.00	1.099	0.463
		Right Tilt	20425	826.5	-0.030	0.189	100	1.00	22.59	23.00	1.099	0.208
	50%RB	Left Cheek	20425	826.5	0.090	0.248	100	1.00	22.59	23.00	1.099	0.273
		Left Tilt	20425	826.5	-0.030	0.076	100	1.00	22.59	23.00	1.099	0.084
		Right Cheek	20425	826.5	0.020	0.207	100	1.00	22.59	23.00	1.099	0.227
		Right Tilt	20425	826.5	0.150	0.059	100	1.00	22.59	23.00	1.099	0.065
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n41 (BW: 10MHz)	1RB	Front	20425	826.5	-0.100	0.172	100	1.00	22.59	23.00	1.099	0.189
		Back	20425	826.5	0.040	0.238	100	1.00	22.59	23.00	1.099	0.262
		Left	20425	826.5	-0.090	0.103	100	1.00	22.59	23.00	1.099	0.113
		Right	20425	826.5	-0.160	0.020	100	1.00	22.59	23.00	1.099	0.022
		Top	20425	826.5	0.050	0.073	100	1.00	22.59	23.00	1.099	0.080
		Bottom	20425	826.5	-0.030	0.029	100	1.00	22.59	23.00	1.099	0.032
	50%RB	Front	20425	826.5	0.160	0.058	100	1.00	22.59	23.00	1.099	0.064
		Back	20425	826.5	0.110	0.127	100	1.00	22.59	23.00	1.099	0.140
		Left	20425	826.5	-0.100	0.049	100	1.00	22.59	23.00	1.099	0.054
		Right	20425	826.5	-0.150	0.008	100	1.00	22.59	23.00	1.099	0.009
		Top	20425	826.5	0.070	0.026	100	1.00	22.59	23.00	1.099	0.029
		Bottom	20425	826.5	-0.080	0.015	100	1.00	22.59	23.00	1.099	0.016

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n66 (BW: 10MHz)	1RB	Left Cheek	20425	826.5	0.080	0.297	100	1.00	22.62	23.00	1.091	0.324
		Left Tilt	20425	826.5	0.120	0.227	100	1.00	22.62	23.00	1.091	0.248
		Right Cheek	20425	826.5	-0.150	0.241	100	1.00	22.62	23.00	1.091	0.263
		Right Tilt	20425	826.5	-0.170	0.209	100	1.00	22.62	23.00	1.091	0.228
	50%RB	Left Cheek	20425	826.5	-0.150	0.128	100	1.00	22.62	23.00	1.091	0.140
		Left Tilt	20425	826.5	0.090	0.093	100	1.00	22.62	23.00	1.091	0.102
		Right Cheek	20425	826.5	-0.120	0.107	100	1.00	22.62	23.00	1.091	0.117
		Right Tilt	20425	826.5	0.070	0.084	100	1.00	22.62	23.00	1.091	0.092
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n66 (BW: 10MHz)	1RB	Front	20425	826.5	0.050	0.215	100	1.00	22.62	23.00	1.091	0.235
		Back	20425	826.5	-0.020	0.297	100	1.00	22.62	23.00	1.091	0.324
		Left	20425	826.5	-0.270	0.172	100	1.00	22.62	23.00	1.091	0.188
		Right	20425	826.5	0.150	0.021	100	1.00	22.62	23.00	1.091	0.023
		Top	20425	826.5	0.080	0.130	100	1.00	22.62	23.00	1.091	0.142
		Bottom	20425	826.5	0.050	0.014	100	1.00	22.62	23.00	1.091	0.015
	50%RB	Front	20425	826.5	0.170	0.087	100	1.00	22.62	23.00	1.091	0.095
		Back	20425	826.5	-0.160	0.129	100	1.00	22.62	23.00	1.091	0.141
		Left	20425	826.5	-0.020	0.065	100	1.00	22.62	23.00	1.091	0.071
		Right	20425	826.5	-0.080	0.010	100	1.00	22.62	23.00	1.091	0.011
		Top	20425	826.5	0.030	0.053	100	1.00	22.62	23.00	1.091	0.058
		Bottom	20425	826.5	-0.060	0.007	100	1.00	22.62	23.00	1.091	0.008

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n77 (BW: 10MHz)	1RB	Left Cheek	20425	826.5	0.140	0.479	100	1.00	22.26	22.50	1.057	0.506
		Left Tilt	20425	826.5	-0.050	0.207	100	1.00	22.26	22.50	1.057	0.219
		Right Cheek	20425	826.5	0.060	0.419	100	1.00	22.26	22.50	1.057	0.443
		Right Tilt	20425	826.5	0.170	0.192	100	1.00	22.26	22.50	1.057	0.203
	50%RB	Left Cheek	20425	826.5	-0.020	0.249	100	1.00	22.26	22.50	1.057	0.263
		Left Tilt	20425	826.5	-0.070	0.098	100	1.00	22.26	22.50	1.057	0.104
		Right Cheek	20425	826.5	0.010	0.227	100	1.00	22.26	22.50	1.057	0.240
		Right Tilt	20425	826.5	-0.050	0.093	100	1.00	22.26	22.50	1.057	0.098
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n77 (BW: 10MHz)	1RB	Front	20425	826.5	-0.080	0.182	100	1.00	22.26	22.50	1.057	0.192
		Back	20425	826.5	0.130	0.286	100	1.00	22.26	22.50	1.057	0.302
		Left	20425	826.5	-0.040	0.093	100	1.00	22.26	22.50	1.057	0.098
		Right	20425	826.5	-0.170	0.019	100	1.00	22.26	22.50	1.057	0.020
		Top	20425	826.5	0.090	0.054	100	1.00	22.26	22.50	1.057	0.057
		Bottom	20425	826.5	-0.100	0.035	100	1.00	22.26	22.50	1.057	0.037
	50%RB	Front	20425	826.5	-0.180	0.086	100	1.00	22.26	22.50	1.057	0.091
		Back	20425	826.5	0.090	0.147	100	1.00	22.26	22.50	1.057	0.155
		Left	20425	826.5	0.030	0.037	100	1.00	22.26	22.50	1.057	0.039
		Right	20425	826.5	0.120	0.013	100	1.00	22.26	22.50	1.057	0.014
		Top	20425	826.5	-0.070	0.031	100	1.00	22.26	22.50	1.057	0.033
		Bottom	20425	826.5	0.150	0.020	100	1.00	22.26	22.50	1.057	0.021

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n78 (BW: 10MHz)	1RB	Left Cheek	20425	826.5	0.170	0.263	100	1.00	22.17	22.50	1.079	0.284
		Left Tilt	20425	826.5	0.060	0.089	100	1.00	22.17	22.50	1.079	0.096
		Right Cheek	20425	826.5	0.020	0.224	100	1.00	22.17	22.50	1.079	0.242
		Right Tilt	20425	826.5	-0.140	0.069	100	1.00	22.17	22.50	1.079	0.074
	50%RB	Left Cheek	20425	826.5	0.120	0.148	100	1.00	22.17	22.50	1.079	0.160
		Left Tilt	20425	826.5	-0.060	0.056	100	1.00	22.17	22.50	1.079	0.060
		Right Cheek	20425	826.5	0.080	0.107	100	1.00	22.17	22.50	1.079	0.115
		Right Tilt	20425	826.5	-0.180	0.042	100	1.00	22.17	22.50	1.079	0.045
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5-n78 (BW: 10MHz)	1RB	Front	20425	826.5	-0.030	0.157	100	1.00	22.17	22.50	1.079	0.169
		Back	20425	826.5	-0.120	0.219	100	1.00	22.17	22.50	1.079	0.236
		Left	20425	826.5	0.050	0.062	100	1.00	22.17	22.50	1.079	0.067
		Right	20425	826.5	0.140	0.017	100	1.00	22.17	22.50	1.079	0.018
		Top	20425	826.5	-0.190	0.028	100	1.00	22.17	22.50	1.079	0.030
		Bottom	20425	826.5	-0.060	0.016	100	1.00	22.17	22.50	1.079	0.017
	50%RB	Front	20425	826.5	-0.150	0.065	100	1.00	22.17	22.50	1.079	0.070
		Back	20425	826.5	0.090	0.107	100	1.00	22.17	22.50	1.079	0.115
		Left	20425	826.5	-0.100	0.032	100	1.00	22.17	22.50	1.079	0.035
		Right	20425	826.5	-0.060	0.008	100	1.00	22.17	22.50	1.079	0.009
		Top	20425	826.5	-0.030	0.016	100	1.00	22.17	22.50	1.079	0.017
		Bottom	20425	826.5	-0.140	0.011	100	1.00	22.17	22.50	1.079	0.012

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n7 (BW: 20MHz)	1RB	Left Cheek	21425	2567.5	0.060	0.206	100	1.00	22.69	23.00	1.074	0.221
		Left Tilt	21425	2567.5	-0.120	0.327	100	1.00	22.69	23.00	1.074	0.351
		Right Cheek	21425	2567.5	0.090	0.306	100	1.00	22.69	23.00	1.074	0.329
		Right Tilt	21425	2567.5	0.030	0.341	100	1.00	22.69	23.00	1.074	0.366
	50%RB	Left Cheek	21425	2567.5	0.020	0.146	100	1.00	22.69	23.00	1.074	0.157
		Left Tilt	21425	2567.5	-0.110	0.268	100	1.00	22.69	23.00	1.074	0.288
		Right Cheek	21425	2567.5	0.090	0.243	100	1.00	22.69	23.00	1.074	0.261
		Right Tilt	21425	2567.5	0.030	0.291	100	1.00	22.69	23.00	1.074	0.313
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n7 (BW: 20MHz)	1RB	Front	21425	2567.5	-0.110	0.162	100	1.00	22.69	23.00	1.074	0.174
		Back	21425	2567.5	0.180	0.334	100	1.00	22.69	23.00	1.074	0.359
		Left	21425	2567.5	-0.050	0.091	100	1.00	22.69	23.00	1.074	0.098
		Right	21425	2567.5	0.020	0.018	100	1.00	22.69	23.00	1.074	0.019
		Top	21425	2567.5	0.070	0.042	100	1.00	22.69	23.00	1.074	0.045
		Bottom	21425	2567.5	-0.140	0.017	100	1.00	22.69	23.00	1.074	0.018
	50%RB	Front	21425	2567.5	-0.170	0.121	100	1.00	22.69	23.00	1.074	0.130
		Back	21425	2567.5	0.030	0.282	100	1.00	22.69	23.00	1.074	0.303
		Left	21425	2567.5	0.070	0.083	100	1.00	22.69	23.00	1.074	0.089
		Right	21425	2567.5	-0.130	0.016	100	1.00	22.69	23.00	1.074	0.017
		Top	21425	2567.5	-0.190	0.037	100	1.00	22.69	23.00	1.074	0.040
		Bottom	21425	2567.5	0.080	0.012	100	1.00	22.69	23.00	1.074	0.013

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n66 (BW: 20MHz)	1RB	Left Cheek	21425	2567.5	-0.140	0.718	100	1.00	22.18	22.50	1.076	0.773
		Left Tilt	21425	2567.5	-0.110	0.659	100	1.00	22.18	22.50	1.076	0.709
		Right Cheek	21425	2567.5	0.090	0.803	100	1.00	22.18	22.50	1.076	0.864
		Right Tilt	21425	2567.5	0.180	0.763	100	1.00	22.18	22.50	1.076	0.821
	50%RB	Left Cheek	21425	2567.5	0.020	0.432	100	1.00	22.18	22.50	1.076	0.465
		Left Tilt	21425	2567.5	-0.160	0.415	100	1.00	22.18	22.50	1.076	0.447
		Right Cheek	21425	2567.5	0.130	0.613	100	1.00	22.18	22.50	1.076	0.660
		Right Tilt	21425	2567.5	-0.080	0.496	100	1.00	22.18	22.50	1.076	0.534
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n66 (BW: 20MHz)	1RB	Front	21425	2567.5	0.010	0.235	100	1.00	22.18	22.50	1.076	0.253
		Back	21425	2567.5	0.150	0.391	100	1.00	22.18	22.50	1.076	0.421
		Left	21425	2567.5	-0.110	0.126	100	1.00	22.18	22.50	1.076	0.136
		Right	21425	2567.5	-0.130	0.029	100	1.00	22.18	22.50	1.076	0.031
		Top	21425	2567.5	0.080	0.082	100	1.00	22.18	22.50	1.076	0.088
		Bottom	21425	2567.5	0.020	0.049	100	1.00	22.18	22.50	1.076	0.053
	50%RB	Front	21425	2567.5	0.060	0.174	100	1.00	22.18	22.50	1.076	0.187
		Back	21425	2567.5	-0.140	0.306	100	1.00	22.18	22.50	1.076	0.329
		Left	21425	2567.5	0.170	0.071	100	1.00	22.18	22.50	1.076	0.076
		Right	21425	2567.5	0.050	0.021	100	1.00	22.18	22.50	1.076	0.023
		Top	21425	2567.5	0.030	0.046	100	1.00	22.18	22.50	1.076	0.050
		Bottom	21425	2567.5	-0.160	0.038	100	1.00	22.18	22.50	1.076	0.041

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n77 (BW: 20MHz)	1RB	Left Cheek	21425	2567.5	0.090	0.712	100	1.00	22.26	22.50	1.057	0.752
		Left Tilt	21425	2567.5	0.020	0.708	100	1.00	22.26	22.50	1.057	0.748
		Right Cheek	21425	2567.5	-0.190	0.769	100	1.00	22.26	22.50	1.057	0.813
		Right Tilt	21425	2567.5	-0.140	0.732	100	1.00	22.26	22.50	1.057	0.774
	50%RB	Left Cheek	21425	2567.5	0.060	0.506	100	1.00	22.26	22.50	1.057	0.535
		Left Tilt	21425	2567.5	-0.130	0.413	100	1.00	22.26	22.50	1.057	0.436
		Right Cheek	21425	2567.5	0.080	0.706	100	1.00	22.26	22.50	1.057	0.746
		Right Tilt	21425	2567.5	-0.140	0.571	100	1.00	22.26	22.50	1.057	0.603
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n77 (BW: 20MHz)	1RB	Front	21425	2567.5	0.060	0.134	100	1.00	22.26	22.50	1.057	0.142
		Back	21425	2567.5	-0.160	0.258	100	1.00	22.26	22.50	1.057	0.273
		Left	21425	2567.5	0.180	0.079	100	1.00	22.26	22.50	1.057	0.083
		Right	21425	2567.5	-0.030	0.021	100	1.00	22.26	22.50	1.057	0.022
		Top	21425	2567.5	0.050	0.046	100	1.00	22.26	22.50	1.057	0.049
		Bottom	21425	2567.5	-0.090	0.019	100	1.00	22.26	22.50	1.057	0.020
	50%RB	Front	21425	2567.5	0.070	0.094	100	1.00	22.26	22.50	1.057	0.099
		Back	21425	2567.5	-0.150	0.203	100	1.00	22.26	22.50	1.057	0.215
		Left	21425	2567.5	0.050	0.036	100	1.00	22.26	22.50	1.057	0.038
		Right	21425	2567.5	0.020	0.015	100	1.00	22.26	22.50	1.057	0.016
		Top	21425	2567.5	-0.170	0.028	100	1.00	22.26	22.50	1.057	0.030
		Bottom	21425	2567.5	-0.110	0.011	100	1.00	22.26	22.50	1.057	0.012

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n78 (BW: 20MHz)	1RB	Left Cheek	21425	2567.5	0.090	0.804	100	1.00	22.60	23.00	1.096	0.882
		Left Tilt	21425	2567.5	0.120	0.634	100	1.00	22.60	23.00	1.096	0.695
		Right Cheek	21425	2567.5	0.080	0.534	100	1.00	22.60	23.00	1.096	0.586
		Right Tilt	21425	2567.5	-0.180	0.439	100	1.00	22.60	23.00	1.096	0.481
	50%RB	Left Cheek	21425	2567.5	0.180	0.611	100	1.00	22.60	23.00	1.096	0.670
		Left Tilt	21425	2567.5	-0.030	0.453	100	1.00	22.60	23.00	1.096	0.497
		Right Cheek	21425	2567.5	0.012	0.406	100	1.00	22.60	23.00	1.096	0.445
		Right Tilt	21425	2567.5	-0.011	0.372	100	1.00	22.60	23.00	1.096	0.408
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
7-n78 (BW: 20MHz)	1RB	Front	21425	2567.5	0.040	0.183	100	1.00	22.60	23.00	1.096	0.201
		Back	21425	2567.5	0.020	0.212	100	1.00	22.60	23.00	1.096	0.232
		Left	21425	2567.5	0.050	0.132	100	1.00	22.60	23.00	1.096	0.145
		Right	21425	2567.5	-0.120	0.021	100	1.00	22.60	23.00	1.096	0.023
		Top	21425	2567.5	0.180	0.113	100	1.00	22.60	23.00	1.096	0.124
		Bottom	21425	2567.5	-0.090	0.013	100	1.00	22.60	23.00	1.096	0.014
	50%RB	Front	21425	2567.5	0.080	0.126	100	1.00	22.60	23.00	1.096	0.138
		Back	21425	2567.5	-0.050	0.168	100	1.00	22.60	23.00	1.096	0.184
		Left	21425	2567.5	0.020	0.097	100	1.00	22.60	23.00	1.096	0.106
		Right	21425	2567.5	-0.140	0.016	100	1.00	22.60	23.00	1.096	0.018
		Top	21425	2567.5	0.110	0.079	100	1.00	22.60	23.00	1.096	0.087
		Bottom	21425	2567.5	-0.090	0.011	100	1.00	22.60	23.00	1.096	0.012

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
38-n78 (BW: 20MHz)	1RB	Left Cheek	38175	2612.5	0.150	0.196	100	1.00	22.33	22.50	1.040	0.204
		Left Tilt	38175	2612.5	0.090	0.127	100	1.00	22.33	22.50	1.040	0.132
		Right Cheek	38175	2612.5	-0.020	0.320	100	1.00	22.33	22.50	1.040	0.333
		Right Tilt	38175	2612.5	0.140	0.218	100	1.00	22.33	22.50	1.040	0.227
	50%RB	Left Cheek	38175	2612.5	-0.110	0.092	100	1.00	22.33	22.50	1.040	0.096
		Left Tilt	38175	2612.5	0.020	0.069	100	1.00	22.33	22.50	1.040	0.072
		Right Cheek	38175	2612.5	-0.140	0.167	100	1.00	22.33	22.50	1.040	0.174
		Right Tilt	38175	2612.5	-0.060	0.098	100	1.00	22.33	22.50	1.040	0.102
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
38-n78 (BW: 20MHz)	1RB	Front	38175	2612.5	-0.080	0.030	100	1.00	22.33	22.50	1.040	0.031
		Back	38175	2612.5	0.060	0.057	100	1.00	22.33	22.50	1.040	0.059
		Left	38175	2612.5	-0.170	0.023	100	1.00	22.33	22.50	1.040	0.024
		Right	38175	2612.5	-0.110	0.011	100	1.00	22.33	22.50	1.040	0.011
		Top	38175	2612.5	-0.010	0.021	100	1.00	22.33	22.50	1.040	0.022
		Bottom	38175	2612.5	0.190	0.016	100	1.00	22.33	22.50	1.040	0.017
	50%RB	Front	38175	2612.5	0.030	0.015	100	1.00	22.33	22.50	1.040	0.016
		Back	38175	2612.5	0.090	0.037	100	1.00	22.33	22.50	1.040	0.038
		Left	38175	2612.5	-0.140	0.008	100	1.00	22.33	22.50	1.040	0.008
		Right	38175	2612.5	-0.110	0.003	100	1.00	22.33	22.50	1.040	0.003
		Top	38175	2612.5	-0.080	0.007	100	1.00	22.33	22.50	1.040	0.007
		Bottom	38175	2612.5	-0.130	0.005	100	1.00	22.33	22.50	1.040	0.005

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n41 (BW: 20MHz)	1RB	Left Cheek	40620	2593.0	0.160	0.203	100	1.00	22.55	23.00	1.109	0.225
		Left Tilt	40620	2593.0	0.150	0.157	100	1.00	22.55	23.00	1.109	0.174
		Right Cheek	40620	2593.0	-0.070	0.279	100	1.00	22.55	23.00	1.109	0.309
		Right Tilt	40620	2593.0	-0.030	0.169	100	1.00	22.55	23.00	1.109	0.187
	50%RB	Left Cheek	40620	2593.0	0.060	0.118	100	1.00	22.55	23.00	1.109	0.131
		Left Tilt	40620	2593.0	-0.140	0.079	100	1.00	22.55	23.00	1.109	0.088
		Right Cheek	40620	2593.0	0.010	0.167	100	1.00	22.55	23.00	1.109	0.185
		Right Tilt	40620	2593.0	-0.130	0.089	100	1.00	22.55	23.00	1.109	0.099
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n41 (BW: 20MHz)	1RB	Front	40620	2593.0	0.050	0.048	100	1.00	22.55	23.00	1.109	0.053
		Back	40620	2593.0	0.180	0.106	100	1.00	22.55	23.00	1.109	0.118
		Left	40620	2593.0	-0.190	0.023	100	1.00	22.55	23.00	1.109	0.026
		Right	40620	2593.0	0.040	0.010	100	1.00	22.55	23.00	1.109	0.011
		Top	40620	2593.0	-0.030	0.017	100	1.00	22.55	23.00	1.109	0.019
		Bottom	40620	2593.0	0.120	0.005	100	1.00	22.55	23.00	1.109	0.006
	50%RB	Front	40620	2593.0	-0.110	0.027	100	1.00	22.55	23.00	1.109	0.030
		Back	40620	2593.0	0.050	0.055	100	1.00	22.55	23.00	1.109	0.061
		Left	40620	2593.0	0.170	0.016	100	1.00	22.55	23.00	1.109	0.018
		Right	40620	2593.0	0.030	0.005	100	1.00	22.55	23.00	1.109	0.006
		Top	40620	2593.0	0.020	0.011	100	1.00	22.55	23.00	1.109	0.012
		Bottom	40620	2593.0	-0.080	0.003	100	1.00	22.55	23.00	1.109	0.003

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n77 (BW: 20MHz)	1RB	Left Cheek	40620	2593.0	0.150	0.252	100	1.00	22.64	23.00	1.086	0.274
		Left Tilt	40620	2593.0	-0.150	0.176	100	1.00	22.64	23.00	1.086	0.191
		Right Cheek	40620	2593.0	0.110	0.293	100	1.00	22.64	23.00	1.086	0.318
		Right Tilt	40620	2593.0	0.030	0.261	100	1.00	22.64	23.00	1.086	0.284
	50%RB	Left Cheek	40620	2593.0	-0.120	0.107	100	1.00	22.64	23.00	1.086	0.116
		Left Tilt	40620	2593.0	0.110	0.095	100	1.00	22.64	23.00	1.086	0.103
		Right Cheek	40620	2593.0	0.050	0.176	100	1.00	22.64	23.00	1.086	0.191
		Right Tilt	40620	2593.0	0.070	0.137	100	1.00	22.64	23.00	1.086	0.149
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n77 (BW: 20MHz)	1RB	Front	40620	2593.0	-0.080	0.074	100	1.00	22.64	23.00	1.086	0.080
		Back	40620	2593.0	0.170	0.089	100	1.00	22.64	23.00	1.086	0.097
		Left	40620	2593.0	0.160	0.051	100	1.00	22.64	23.00	1.086	0.055
		Right	40620	2593.0	-0.120	0.027	100	1.00	22.64	23.00	1.086	0.029
		Top	40620	2593.0	0.050	0.032	100	1.00	22.64	23.00	1.086	0.035
		Bottom	40620	2593.0	0.060	0.016	100	1.00	22.64	23.00	1.086	0.017
	50%RB	Front	40620	2593.0	-0.050	0.040	100	1.00	22.64	23.00	1.086	0.043
		Back	40620	2593.0	0.030	0.053	100	1.00	22.64	23.00	1.086	0.058
		Left	40620	2593.0	0.170	0.026	100	1.00	22.64	23.00	1.086	0.028
		Right	40620	2593.0	0.120	0.012	100	1.00	22.64	23.00	1.086	0.013
		Top	40620	2593.0	-0.160	0.017	100	1.00	22.64	23.00	1.086	0.018
		Bottom	40620	2593.0	0.040	0.007	100	1.00	22.64	23.00	1.086	0.008

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n78 (BW: 20MHz)	1RB	Left Cheek	40620	2593.0	-0.020	0.203	100	1.00	22.55	23.00	1.109	0.225
		Left Tilt	40620	2593.0	0.080	0.174	100	1.00	22.55	23.00	1.109	0.193
		Right Cheek	40620	2593.0	-0.150	0.293	100	1.00	22.55	23.00	1.109	0.325
		Right Tilt	40620	2593.0	-0.140	0.251	100	1.00	22.55	23.00	1.109	0.278
	50%RB	Left Cheek	40620	2593.0	-0.050	0.085	100	1.00	22.55	23.00	1.109	0.094
		Left Tilt	40620	2593.0	0.090	0.079	100	1.00	22.55	23.00	1.109	0.088
		Right Cheek	40620	2593.0	0.110	0.148	100	1.00	22.55	23.00	1.109	0.164
		Right Tilt	40620	2593.0	-0.170	0.119	100	1.00	22.55	23.00	1.109	0.132
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
41-n78 (BW: 20MHz)	1RB	Front	40620	2593.0	0.050	0.039	100	1.00	22.55	23.00	1.109	0.043
		Back	40620	2593.0	0.120	0.052	100	1.00	22.55	23.00	1.109	0.058
		Left	40620	2593.0	0.160	0.027	100	1.00	22.55	23.00	1.109	0.030
		Right	40620	2593.0	-0.110	0.011	100	1.00	22.55	23.00	1.109	0.012
		Top	40620	2593.0	-0.070	0.019	100	1.00	22.55	23.00	1.109	0.021
		Bottom	40620	2593.0	0.090	0.009	100	1.00	22.55	23.00	1.109	0.010
	50%RB	Front	40620	2593.0	0.030	0.016	100	1.00	22.55	23.00	1.109	0.018
		Back	40620	2593.0	-0.010	0.034	100	1.00	22.55	23.00	1.109	0.038
		Left	40620	2593.0	0.120	0.013	100	1.00	22.55	23.00	1.109	0.014
		Right	40620	2593.0	-0.140	0.006	100	1.00	22.55	23.00	1.109	0.007
		Top	40620	2593.0	0.180	0.012	100	1.00	22.55	23.00	1.109	0.013
		Bottom	40620	2593.0	-0.080	0.003	100	1.00	22.55	23.00	1.109	0.003

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n7 (BW: 20MHz)	1RB	Left Cheek	132597	1772.5	-0.080	0.156	100	1.00	22.39	22.50	1.026	0.160
		Left Tilt	132597	1772.5	-0.150	0.209	100	1.00	22.39	22.50	1.026	0.214
		Right Cheek	132597	1772.5	0.020	0.248	100	1.00	22.39	22.50	1.026	0.254
		Right Tilt	132597	1772.5	-0.130	0.297	100	1.00	22.39	22.50	1.026	0.305
	50%RB	Left Cheek	132597	1772.5	0.050	0.059	100	1.00	22.39	22.50	1.026	0.061
		Left Tilt	132597	1772.5	-0.070	0.098	100	1.00	22.39	22.50	1.026	0.101
		Right Cheek	132597	1772.5	0.130	0.124	100	1.00	22.39	22.50	1.026	0.127
		Right Tilt	132597	1772.5	-0.120	0.153	100	1.00	22.39	22.50	1.026	0.157
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n7 (BW: 20MHz)	1RB	Front	132597	1772.5	-0.170	0.085	100	1.00	22.39	22.50	1.026	0.087
		Back	132597	1772.5	0.150	0.159	100	1.00	22.39	22.50	1.026	0.163
		Left	132597	1772.5	0.020	0.049	100	1.00	22.39	22.50	1.026	0.050
		Right	132597	1772.5	-0.060	0.017	100	1.00	22.39	22.50	1.026	0.017
		Top	132597	1772.5	-0.100	0.034	100	1.00	22.39	22.50	1.026	0.035
		Bottom	132597	1772.5	-0.140	0.022	100	1.00	22.39	22.50	1.026	0.023
	50%RB	Front	132597	1772.5	-0.150	0.043	100	1.00	22.39	22.50	1.026	0.044
		Back	132597	1772.5	0.110	0.082	100	1.00	22.39	22.50	1.026	0.084
		Left	132597	1772.5	-0.050	0.024	100	1.00	22.39	22.50	1.026	0.025
		Right	132597	1772.5	-0.040	0.010	100	1.00	22.39	22.50	1.026	0.010
		Top	132597	1772.5	0.160	0.021	100	1.00	22.39	22.50	1.026	0.022
		Bottom	132597	1772.5	-0.090	0.011	100	1.00	22.39	22.50	1.026	0.011

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n38 (BW: 20MHz)	1RB	Left Cheek	132597	1772.5	-0.110	0.295	100	1.00	23.26	23.50	1.057	0.312
		Left Tilt	132597	1772.5	0.020	0.193	100	1.00	23.26	23.50	1.057	0.204
		Right Cheek	132597	1772.5	-0.150	0.633	100	1.00	23.26	23.50	1.057	0.669
		Right Tilt	132597	1772.5	0.030	0.472	100	1.00	23.26	23.50	1.057	0.499
	50%RB	Left Cheek	132597	1772.5	0.050	0.169	100	1.00	23.26	23.50	1.057	0.179
		Left Tilt	132597	1772.5	-0.170	0.137	100	1.00	23.26	23.50	1.057	0.145
		Right Cheek	132597	1772.5	0.100	0.375	100	1.00	23.26	23.50	1.057	0.396
		Right Tilt	132597	1772.5	-0.060	0.248	100	1.00	23.26	23.50	1.057	0.262
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n38 (BW: 20MHz)	1RB	Front	132597	1772.5	-0.050	0.085	100	1.00	23.26	23.50	1.057	0.090
		Back	132597	1772.5	0.030	0.163	100	1.00	23.26	23.50	1.057	0.172
		Left	132597	1772.5	-0.140	0.046	100	1.00	23.26	23.50	1.057	0.049
		Right	132597	1772.5	0.130	0.009	100	1.00	23.26	23.50	1.057	0.010
		Top	132597	1772.5	-0.170	0.031	100	1.00	23.26	23.50	1.057	0.033
		Bottom	132597	1772.5	0.020	0.020	100	1.00	23.26	23.50	1.057	0.021
	50%RB	Front	132597	1772.5	-0.040	0.043	100	1.00	23.26	23.50	1.057	0.045
		Back	132597	1772.5	0.150	0.091	100	1.00	23.26	23.50	1.057	0.096
		Left	132597	1772.5	-0.170	0.022	100	1.00	23.26	23.50	1.057	0.023
		Right	132597	1772.5	0.050	0.005	100	1.00	23.26	23.50	1.057	0.005
		Top	132597	1772.5	0.030	0.019	100	1.00	23.26	23.50	1.057	0.020
		Bottom	132597	1772.5	-0.120	0.010	100	1.00	23.26	23.50	1.057	0.011

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n41 (BW: 20MHz)	1RB	Left Cheek	132597	1772.5	-0.080	0.308	100	1.00	23.18	23.50	1.076	0.332
		Left Tilt	132597	1772.5	0.070	0.195	100	1.00	23.18	23.50	1.076	0.210
		Right Cheek	132597	1772.5	0.160	0.631	100	1.00	23.18	23.50	1.076	0.679
		Right Tilt	132597	1772.5	-0.130	0.419	100	1.00	23.18	23.50	1.076	0.451
	50%RB	Left Cheek	132597	1772.5	0.150	0.168	100	1.00	23.18	23.50	1.076	0.181
		Left Tilt	132597	1772.5	-0.110	0.115	100	1.00	23.18	23.50	1.076	0.124
		Right Cheek	132597	1772.5	-0.020	0.294	100	1.00	23.18	23.50	1.076	0.316
		Right Tilt	132597	1772.5	0.090	0.230	100	1.00	23.18	23.50	1.076	0.248
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n41 (BW: 20MHz)	1RB	Front	132597	1772.5	-0.070	0.040	100	1.00	23.18	23.50	1.076	0.043
		Back	132597	1772.5	-0.180	0.067	100	1.00	23.18	23.50	1.076	0.072
		Left	132597	1772.5	-0.160	0.023	100	1.00	23.18	23.50	1.076	0.025
		Right	132597	1772.5	0.050	0.012	100	1.00	23.18	23.50	1.076	0.013
		Top	132597	1772.5	0.030	0.019	100	1.00	23.18	23.50	1.076	0.020
		Bottom	132597	1772.5	-0.140	0.015	100	1.00	23.18	23.50	1.076	0.016
	50%RB	Front	132597	1772.5	-0.040	0.024	100	1.00	23.18	23.50	1.076	0.026
		Back	132597	1772.5	-0.060	0.043	100	1.00	23.18	23.50	1.076	0.046
		Left	132597	1772.5	-0.160	0.011	100	1.00	23.18	23.50	1.076	0.012
		Right	132597	1772.5	0.150	0.007	100	1.00	23.18	23.50	1.076	0.008
		Top	132597	1772.5	-0.070	0.012	100	1.00	23.18	23.50	1.076	0.013
		Bottom	132597	1772.5	0.030	0.009	100	1.00	23.18	23.50	1.076	0.010

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n66 (BW: 20MHz)	1RB	Left Cheek	132597	1772.5	-0.150	0.475	100	1.00	22.55	23.00	1.109	0.527
		Left Tilt	132597	1772.5	-0.110	0.233	100	1.00	22.55	23.00	1.109	0.258
		Right Cheek	132597	1772.5	0.060	0.615	100	1.00	22.55	23.00	1.109	0.682
		Right Tilt	132597	1772.5	0.030	0.415	100	1.00	22.55	23.00	1.109	0.460
	50%RB	Left Cheek	132597	1772.5	-0.110	0.228	100	1.00	22.55	23.00	1.109	0.253
		Left Tilt	132597	1772.5	-0.020	0.134	100	1.00	22.55	23.00	1.109	0.149
		Right Cheek	132597	1772.5	-0.030	0.279	100	1.00	22.55	23.00	1.109	0.309
		Right Tilt	132597	1772.5	0.180	0.203	100	1.00	22.55	23.00	1.109	0.225
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n66 (BW: 20MHz)	1RB	Front	132597	1772.5	-0.140	0.042	100	1.00	22.55	23.00	1.109	0.047
		Back	132597	1772.5	0.030	0.109	100	1.00	22.55	23.00	1.109	0.121
		Left	132597	1772.5	-0.050	0.024	100	1.00	22.55	23.00	1.109	0.027
		Right	132597	1772.5	0.110	0.011	100	1.00	22.55	23.00	1.109	0.012
		Top	132597	1772.5	-0.040	0.022	100	1.00	22.55	23.00	1.109	0.024
		Bottom	132597	1772.5	0.160	0.013	100	1.00	22.55	23.00	1.109	0.014
	50%RB	Front	132597	1772.5	-0.120	0.023	100	1.00	22.55	23.00	1.109	0.026
		Back	132597	1772.5	0.110	0.058	100	1.00	22.55	23.00	1.109	0.064
		Left	132597	1772.5	-0.150	0.016	100	1.00	22.55	23.00	1.109	0.018
		Right	132597	1772.5	-0.090	0.007	100	1.00	22.55	23.00	1.109	0.008
		Top	132597	1772.5	-0.060	0.014	100	1.00	22.55	23.00	1.109	0.016
		Bottom	132597	1772.5	0.010	0.009	100	1.00	22.55	23.00	1.109	0.010

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Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n77 (BW: 20MHz)	1RB	Left Cheek	132597	1772.5	-0.110	0.516	100	1.00	22.76	23.00	1.057	0.545
		Left Tilt	132597	1772.5	0.030	0.243	100	1.00	22.76	23.00	1.057	0.257
		Right Cheek	132597	1772.5	-0.140	0.685	100	1.00	22.76	23.00	1.057	0.724
		Right Tilt	132597	1772.5	-0.050	0.475	100	1.00	22.76	23.00	1.057	0.502
	50%RB	Left Cheek	132597	1772.5	0.030	0.264	100	1.00	22.76	23.00	1.057	0.279
		Left Tilt	132597	1772.5	-0.140	0.158	100	1.00	22.76	23.00	1.057	0.167
		Right Cheek	132597	1772.5	-0.090	0.357	100	1.00	22.76	23.00	1.057	0.377
		Right Tilt	132597	1772.5	0.150	0.228	100	1.00	22.76	23.00	1.057	0.241
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n77 (BW: 20MHz)	1RB	Front	132597	1772.5	-0.050	0.052	100	1.00	22.76	23.00	1.057	0.055
		Back	132597	1772.5	-0.100	0.107	100	1.00	22.76	23.00	1.057	0.113
		Left	132597	1772.5	0.090	0.029	100	1.00	22.76	23.00	1.057	0.031
		Right	132597	1772.5	-0.030	0.007	100	1.00	22.76	23.00	1.057	0.007
		Top	132597	1772.5	-0.170	0.020	100	1.00	22.76	23.00	1.057	0.021
		Bottom	132597	1772.5	0.180	0.005	100	1.00	22.76	23.00	1.057	0.005
	50%RB	Front	132597	1772.5	0.140	0.023	100	1.00	22.76	23.00	1.057	0.024
		Back	132597	1772.5	-0.120	0.059	100	1.00	22.76	23.00	1.057	0.062
		Left	132597	1772.5	-0.030	0.017	100	1.00	22.76	23.00	1.057	0.018
		Right	132597	1772.5	-0.110	0.005	100	1.00	22.76	23.00	1.057	0.005
		Top	132597	1772.5	-0.190	0.010	100	1.00	22.76	23.00	1.057	0.011
		Bottom	132597	1772.5	0.050	0.003	100	1.00	22.76	23.00	1.057	0.003

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n78 (BW: 20MHz)	1RB	Left Cheek	132597	1772.5	-0.110	0.135	100	1.00	22.84	23.00	1.038	0.140
		Left Tilt	132597	1772.5	0.130	0.097	100	1.00	22.84	23.00	1.038	0.101
		Right Cheek	132597	1772.5	-0.150	0.408	100	1.00	22.84	23.00	1.038	0.423
		Right Tilt	132597	1772.5	-0.040	0.193	100	1.00	22.84	23.00	1.038	0.200
	50%RB	Left Cheek	132597	1772.5	0.050	0.076	100	1.00	22.84	23.00	1.038	0.079
		Left Tilt	132597	1772.5	-0.110	0.058	100	1.00	22.84	23.00	1.038	0.060
		Right Cheek	132597	1772.5	0.060	0.175	100	1.00	22.84	23.00	1.038	0.182
		Right Tilt	132597	1772.5	-0.180	0.095	100	1.00	22.84	23.00	1.038	0.099
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
66-n78 (BW: 20MHz)	1RB	Front	132597	1772.5	0.050	0.032	100	1.00	22.84	23.00	1.038	0.033
		Back	132597	1772.5	-0.180	0.078	100	1.00	22.84	23.00	1.038	0.081
		Left	132597	1772.5	-0.140	0.020	100	1.00	22.84	23.00	1.038	0.021
		Right	132597	1772.5	0.070	0.009	100	1.00	22.84	23.00	1.038	0.009
		Top	132597	1772.5	0.030	0.017	100	1.00	22.84	23.00	1.038	0.018
		Bottom	132597	1772.5	-0.110	0.006	100	1.00	22.84	23.00	1.038	0.006
	50%RB	Front	132597	1772.5	0.020	0.019	100	1.00	22.84	23.00	1.038	0.020
		Back	132597	1772.5	-0.190	0.041	100	1.00	22.84	23.00	1.038	0.043
		Left	132597	1772.5	0.010	0.007	100	1.00	22.84	23.00	1.038	0.007
		Right	132597	1772.5	-0.140	0.004	100	1.00	22.84	23.00	1.038	0.004
		Top	132597	1772.5	0.050	0.005	100	1.00	22.84	23.00	1.038	0.005
		Bottom	132597	1772.5	0.160	0.002	100	1.00	22.84	23.00	1.038	0.002

11.3.4 Results overview of WiFi

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2.4g (2.4~2.4835) 802.11ax20	Left Cheek	6	2437	0.08	0.059	100	1.00	24.27	24.50	1.054	0.062
	Left Tilt	6	2437	-0.02	0.008	100	1.00	24.27	24.50	1.054	0.008
	Right Cheek	6	2437	0.07	0.122	100	1.00	24.27	24.50	1.054	0.129
	Right Tilt	6	2437	0.14	0.015	100	1.00	24.27	24.50	1.054	0.016
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
2.4g (2.4~2.4835) 802.11ax20	Front	6	2437	0.01	0.037	100	1.00	24.27	24.50	1.054	0.039
	Back	6	2437	-0.12	0.050	100	1.00	24.27	24.50	1.054	0.053
	Left	6	2437	-0.06	0.014	100	1.00	24.27	24.50	1.054	0.015
	Right	6	2437	0.11	0.031	100	1.00	24.27	24.50	1.054	0.033
	Top	6	2437	-0.03	0.035	100	1.00	24.27	24.50	1.054	0.037
	Bottom	6	2437	0.04	0.005	100	1.00	24.27	24.50	1.054	0.005

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band1 5180-5240 802.11ax160	Left Cheek	48	5240	0.120	0.040	100	1.00	18.69	19.00	1.074	0.043
	Left Tilt	48	5240	0.010	0.048	100	1.00	18.69	19.00	1.074	0.052
	Right Cheek	48	5240	-0.080	0.031	100	1.00	18.69	19.00	1.074	0.033
	Right Tilt	48	5240	0.090	0.024	100	1.00	18.69	19.00	1.074	0.026
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band1 5180-5240 802.11ax160	Front	48	5240	0.020	0.041	100	1.00	18.69	19.00	1.074	0.044
	Back	48	5240	0.150	0.060	100	1.00	18.69	19.00	1.074	0.064
	Left	48	5240	-0.060	0.017	100	1.00	18.69	19.00	1.074	0.018
	Right	48	5240	0.080	0.029	100	1.00	18.69	19.00	1.074	0.031
	Top	48	5240	-0.130	0.027	100	1.00	18.69	19.00	1.074	0.029
	Bottom	48	5240	-0.190	0.011	100	1.00	18.69	19.00	1.074	0.012

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band2 5260-5320 802.11a	Left Cheek	52	5260	0.120	0.039	100	1.00	18.49	18.50	1.002	0.039
	Left Tilt	52	5260	0.060	0.052	100	1.00	18.49	18.50	1.002	0.052
	Right Cheek	52	5260	0.080	0.027	100	1.00	18.49	18.50	1.002	0.027
	Right Tilt	52	5260	-0.150	0.019	100	1.00	18.49	18.50	1.002	0.019
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band2 5260-5320 802.11a	Front	52	5260	0.010	0.079	100	1.00	18.49	18.50	1.002	0.079
	Back	52	5260	0.200	0.094	100	1.00	18.49	18.50	1.002	0.094
	Left	52	5260	-0.110	0.039	100	1.00	18.49	18.50	1.002	0.039
	Right	52	5260	-0.030	0.064	100	1.00	18.49	18.50	1.002	0.064
	Top	52	5260	-0.090	0.058	100	1.00	18.49	18.50	1.002	0.058
	Bottom	52	5260	0.060	0.026	100	1.00	18.49	18.50	1.002	0.026

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Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band3 5500-5700 802.11x160	Left Cheek	140	5700	0.050	0.062	100	1.00	17.78	18.00	1.052	0.065
	Left Tilt	140	5700	0.150	0.087	100	1.00	17.78	18.00	1.052	0.092
	Right Cheek	140	5700	0.020	0.052	100	1.00	17.78	18.00	1.052	0.055
	Right Tilt	140	5700	-0.130	0.068	100	1.00	17.78	18.00	1.052	0.072
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band3 5500-5700 802.11x160	Front	140	5700	0.010	0.083	100	1.00	17.78	18.00	1.052	0.087
	Back	140	5700	0.090	0.109	100	1.00	17.78	18.00	1.052	0.115
	Left	140	5700	-0.180	0.023	100	1.00	17.78	18.00	1.052	0.024
	Right	140	5700	-0.140	0.065	100	1.00	17.78	18.00	1.052	0.068
	Top	140	5700	0.060	0.054	100	1.00	17.78	18.00	1.052	0.057
	Bottom	140	5700	-0.190	0.013	100	1.00	17.78	18.00	1.052	0.014

Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band4 5745-5825 802.11n20	Left Cheek	149	5745	-0.020	0.051	100	1.00	18.02	18.50	1.117	0.057
	Left Tilt	149	5745	0.110	0.068	100	1.00	18.02	18.50	1.117	0.076
	Right Cheek	149	5745	0.050	0.042	100	1.00	18.02	18.50	1.117	0.047
	Right Tilt	149	5745	-0.060	0.059	100	1.00	18.02	18.50	1.117	0.066
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
5g Band4 5745-5825 802.11n20	Front	149	5745	0.020	0.072	100	1.00	18.02	18.50	1.117	0.080
	Back	149	5745	0.180	0.097	100	1.00	18.02	18.50	1.117	0.108
	Left	149	5745	-0.060	0.023	100	1.00	18.02	18.50	1.117	0.026
	Right	149	5745	0.030	0.063	100	1.00	18.02	18.50	1.117	0.070
	Top	149	5745	-0.120	0.048	100	1.00	18.02	18.50	1.117	0.054
	Bottom	149	5745	-0.070	0.013	100	1.00	18.02	18.50	1.117	0.015

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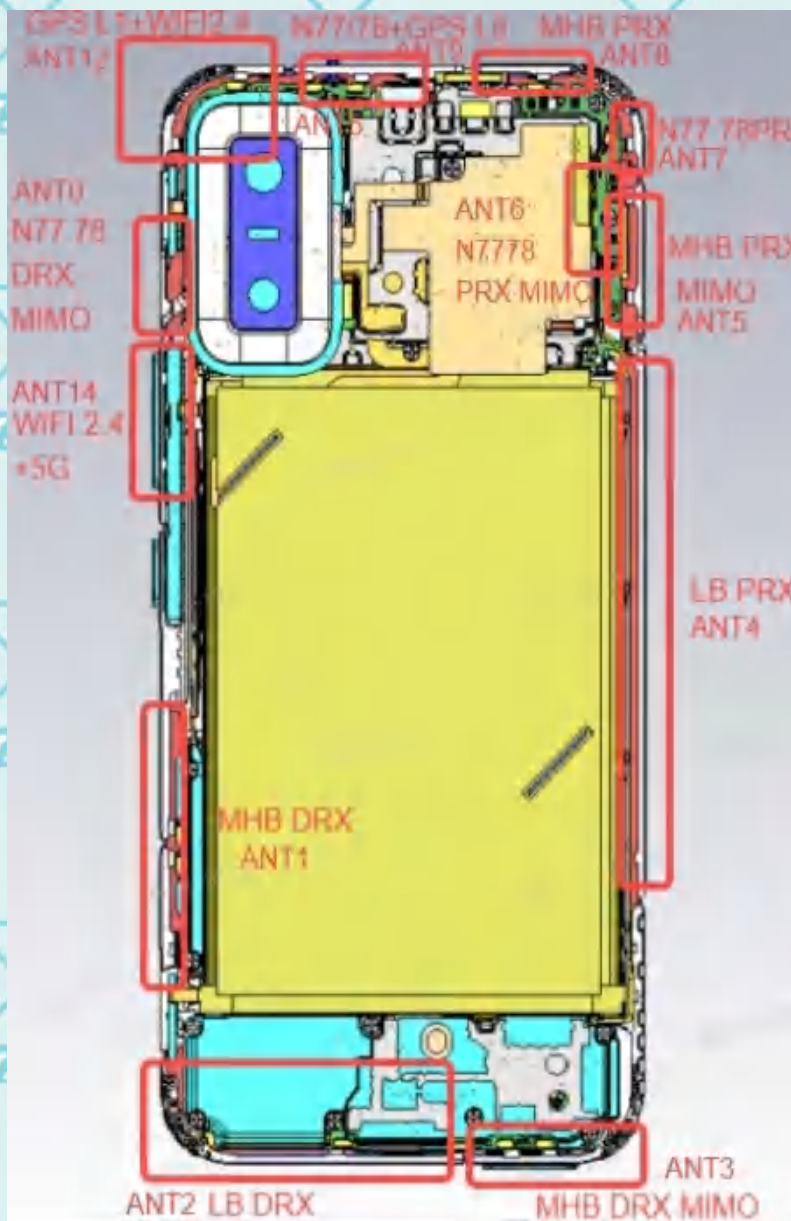
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Bluetooth	Left Cheek	39	2441	-0.01	0.091	100	1.00	8.51	9.00	1.119	0.102
	Left Tilt	39	2441	0.03	0.039	100	1.00	8.51	9.00	1.119	0.044
	Right Cheek	39	2441	0.04	0.121	100	1.00	8.51	9.00	1.119	0.135
	Right Tilt	39	2441	0.02	0.057	100	1.00	8.51	9.00	1.119	0.064
Mode	Position	Ch.	Freq. (MHz)	Power Drift (db)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)
Bluetooth	Front	39	2441	-0.02	0.042	100	1.00	8.51	9.00	1.119	0.047
	Back	39	2441	0.05	0.057	100	1.00	8.51	9.00	1.119	0.064
	Left	39	2441	0.01	0.006	100	1.00	8.51	9.00	1.119	0.007
	Right	39	2441	-0.02	0.031	100	1.00	8.51	9.00	1.119	0.035
	Top	39	2441	0.03	0.008	100	1.00	8.51	9.00	1.119	0.009
	Bottom	39	2441	0.02	0.002	100	1.00	8.51	9.00	1.119	0.002

Note:

- 1.The maximum SAR Value of each test band is marked bold.
- 2.SAR plot is provided only for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
- 3.Per KDB 447498 D01 v06, for each exposure position, if the highest output power channel Reported SAR $\leq 0.8\text{W/kg}$, other channels SAR testing is not necessary.
- 4.Per KDB 447498 D01 v06, head/body-worn use is evaluated with the device positioned at 0mm/10 mm from a head/flat phantom respectively filled with head tissue-equivalent medium.
- 5.Per KDB Publication 941225 D06 where SAR test considerations for handsets (L x 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 with antennas 2.5 cm or closer to the edge of the device, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.
- 6.Per KDB 447498 D01 v06, the report SAR is measured SAR value adjusted for maximum tune-up tolerance. Scaling Factor= $10^{[(\text{tune-up limit power(dBm)} - \text{Ave.power power (dBm)})/10]}$, where tune-up limit is the maximum rated power among all production units.
- 7.Reported SAR(W/kg)=Measured SAR (W/kg)*Scaling Factor.

12 Multiple Transmitter Information

The SAR measurement positions of each side are as below:



< Rear Side >

Mode	Front side	Rear side	Left side	Right side	Top side	Bottom side
2G/3G/4G /5G Antenna	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi/BT Antenna	Yes	Yes	Yes	Yes	Yes	Yes

- 1) Per KDB941225 D06V01r01, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.

12.1 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities are as below:

Simultaneous Transmission Possibilities				
Simultaneous Tx Combination	Configuration	Head	Body	Hotspot
1	GSM/GPRS/UMTS/LTE/NR +Wi-Fi	YES	YES	YES
2	GSM/GPRS/UMTS/LTE/NR +BT	YES	YES	YES

Note: The device does not support simultaneous BT and Wi-Fi ,because the BT and Wi-Fi share the same antenna and can't transmit simultaneously.

12.1.1 SAR Summation Scenario

Head

Band	Test Position	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1 SAR 1g(W/kg)			
GSM850 (voice)	Left Cheek	0.405	0.062	0.065	0.102	0.467	1.6
	Left Tilt	0.347	0.008	0.092	0.044	0.355	
	Right Cheek	0.223	0.129	0.055	0.135	0.352	
	Right Tilt	0.112	0.016	0.072	0.064	0.128	
GSM1900 (voice)	Left Cheek	0.150	0.062	0.065	0.102	0.212	
	Left Tilt	0.216	0.008	0.092	0.044	0.224	
	Right Cheek	0.277	0.129	0.055	0.135	0.406	
	Right Tilt	0.422	0.016	0.072	0.064	0.438	
WCDMA Band 2	Left Cheek	0.208	0.062	0.065	0.102	0.270	
	Left Tilt	0.354	0.008	0.092	0.044	0.362	
	Right Cheek	0.433	0.129	0.055	0.135	0.562	
	Right Tilt	0.567	0.016	0.072	0.064	0.583	
WCDMA Band 4	Left Cheek	0.127	0.062	0.065	0.102	0.189	
	Left Tilt	0.269	0.008	0.092	0.044	0.277	
	Right Cheek	0.513	0.129	0.055	0.135	0.642	
	Right Tilt	0.636	0.016	0.072	0.064	0.652	
WCDMA Band 5	Left Cheek	0.827	0.062	0.065	0.102	0.889	
	Left Tilt	0.174	0.008	0.092	0.044	0.182	
	Right Cheek	0.440	0.129	0.055	0.135	0.569	
	Right Tilt	0.119	0.016	0.072	0.064	0.135	

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Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
LTE Band 2 QPSK (20MHz)	Left Cheek	1RB	0.194	0.062	0.065	0.102	0.256	1.6
	Left Tilt		0.288	0.008	0.092	0.044	0.296	
	Right Cheek		0.431	0.129	0.055	0.135	0.560	
	Right Tilt	50%RB	0.668	0.016	0.072	0.064	0.684	
	Left Cheek		0.189	0.062	0.065	0.102	0.251	
	Left Tilt		0.281	0.008	0.092	0.044	0.289	
	Right Cheek		0.424	0.129	0.055	0.135	0.553	
LTE Band 4 QPSK (20MHz)	Right Tilt	1RB	0.662	0.016	0.072	0.064	0.678	
	Left Cheek		0.167	0.062	0.065	0.102	0.229	
	Left Tilt		0.395	0.008	0.092	0.044	0.403	
	Right Cheek	50%RB	0.508	0.129	0.055	0.135	0.637	
	Right Tilt		0.693	0.016	0.072	0.064	0.709	
	Left Cheek		0.163	0.062	0.065	0.102	0.225	
	Left Tilt		0.383	0.008	0.092	0.044	0.391	
LTE Band 5 QPSK (10MHz)	Right Cheek	1RB	0.497	0.129	0.055	0.135	0.626	
	Right Tilt		0.677	0.016	0.072	0.064	0.693	
	Left Cheek	50%RB	0.704	0.062	0.065	0.102	0.766	
	Left Tilt		0.285	0.008	0.092	0.044	0.293	
	Right Cheek		0.403	0.129	0.055	0.135	0.532	
	Right Tilt		0.135	0.016	0.072	0.064	0.151	
	Left Cheek	50%RB	0.629	0.062	0.065	0.102	0.691	
LTE Band 7 QPSK (10MHz)	Left Tilt		0.201	0.008	0.092	0.044	0.209	
	Right Cheek		0.368	0.129	0.055	0.135	0.497	
	Right Tilt		0.128	0.016	0.072	0.064	0.144	
	Left Cheek	1RB	0.416	0.062	0.065	0.102	0.478	
	Left Tilt		0.537	0.008	0.092	0.044	0.545	
	Right Cheek	50%RB	0.656	0.129	0.055	0.135	0.785	
	Right Tilt		0.774	0.016	0.072	0.064	0.790	
LTE Band 12 QPSK (10MHz)	Left Cheek		0.409	0.062	0.065	0.102	0.471	
	Left Tilt		0.517	0.008	0.092	0.044	0.525	
	Right Cheek		0.634	0.129	0.055	0.135	0.763	
	Right Tilt	1RB	0.755	0.016	0.072	0.064	0.771	
	Left Cheek		0.206	0.062	0.065	0.102	0.268	
	Left Tilt		0.103	0.008	0.092	0.044	0.111	
	Right Cheek	50%RB	0.135	0.129	0.055	0.135	0.264	
LTE Band 17 QPSK (10MHz)	Right Tilt		0.047	0.016	0.072	0.064	0.063	
	Left Cheek		0.193	0.062	0.065	0.102	0.255	
	Left Tilt		0.093	0.008	0.092	0.044	0.101	
	Right Cheek		0.119	0.129	0.055	0.135	0.248	
	Right Tilt	1RB	0.041	0.016	0.072	0.064	0.057	
	Left Cheek		0.234	0.062	0.065	0.102	0.296	
	Left Tilt		0.052	0.008	0.092	0.044	0.060	
LTE Band 38 QPSK (20MHz)	Right Cheek	1RB	0.159	0.129	0.055	0.135	0.288	
	Right Tilt		0.039	0.016	0.072	0.064	0.055	
	Left Cheek	50%RB	0.207	0.062	0.065	0.102	0.269	
	Left Tilt		0.049	0.008	0.092	0.044	0.057	
	Right Cheek		0.147	0.129	0.055	0.135	0.276	
	Right Tilt		0.036	0.016	0.072	0.064	0.052	
	Left Cheek	1RB	0.161	0.062	0.065	0.102	0.223	
	Left Tilt		0.221	0.008	0.092	0.044	0.229	
	Right Cheek		0.250	0.129	0.055	0.135	0.379	
	Right Tilt	50%RB	0.461	0.016	0.072	0.064	0.477	
	Left Cheek		0.083	0.062	0.065	0.102	0.145	
	Left Tilt		0.200	0.008	0.092	0.044	0.208	
	Right Cheek		0.230	0.129	0.055	0.135	0.359	
	Right Tilt		0.394	0.016	0.072	0.064	0.410	

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Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
LTE Band 41 QPSK (20MHz)	Left Cheek	1RB	0.167	0.062	0.065	0.102	0.229	1.6
	Left Tilt		0.298	0.008	0.092	0.044	0.306	
	Right Cheek		0.273	0.129	0.055	0.135	0.402	
	Right Tilt		0.448	0.016	0.072	0.064	0.464	
	Left Cheek	50%RB	0.400	0.062	0.065	0.102	0.462	
	Left Tilt		0.438	0.008	0.092	0.044	0.446	
	Right Cheek		0.455	0.129	0.055	0.135	0.584	
	Right Tilt		0.420	0.016	0.072	0.064	0.436	
LTE Band 42 QPSK (20MHz)	Left Cheek	1RB	0.123	0.062	0.065	0.102	0.185	
	Left Tilt		0.243	0.008	0.092	0.044	0.251	
	Right Cheek		0.220	0.129	0.055	0.135	0.349	
	Right Tilt		0.409	0.016	0.072	0.064	0.425	
	Left Cheek	50%RB	0.346	0.062	0.065	0.102	0.408	
	Left Tilt		0.395	0.008	0.092	0.044	0.403	
	Right Cheek		0.416	0.129	0.055	0.135	0.545	
	Right Tilt		0.383	0.016	0.072	0.064	0.399	
LTE Band 66 QPSK (20MHz)	Left Cheek	1RB	0.300	0.062	0.065	0.102	0.362	
	Left Tilt		0.459	0.008	0.092	0.044	0.467	
	Right Cheek		0.503	0.129	0.055	0.135	0.632	
	Right Tilt		0.706	0.016	0.072	0.064	0.722	
	Left Cheek	50%RB	0.251	0.062	0.065	0.102	0.313	
	Left Tilt		0.391	0.008	0.092	0.044	0.399	
	Right Cheek		0.454	0.129	0.055	0.135	0.583	
	Right Tilt		0.631	0.016	0.072	0.064	0.647	
NR Band 5	Left Cheek	1RB	0.679	0.062	0.065	0.102	0.741	
	Left Tilt		0.111	0.008	0.092	0.044	0.119	
	Right Cheek		0.344	0.129	0.055	0.135	0.473	
	Right Tilt		0.087	0.016	0.072	0.064	0.103	
	Left Cheek	50%RB	0.541	0.062	0.065	0.102	0.603	
	Left Tilt		0.079	0.008	0.092	0.044	0.087	
	Right Cheek		0.193	0.129	0.055	0.135	0.322	
	Right Tilt		0.064	0.016	0.072	0.064	0.080	
NR Band 7	Left Cheek	1RB	0.132	0.062	0.065	0.102	0.194	
	Left Tilt		0.184	0.008	0.092	0.044	0.192	
	Right Cheek		0.256	0.129	0.055	0.135	0.385	
	Right Tilt		0.431	0.016	0.072	0.064	0.447	
	Left Cheek	50%RB	0.090	0.062	0.065	0.102	0.152	
	Left Tilt		0.134	0.008	0.092	0.044	0.142	
	Right Cheek		0.156	0.129	0.055	0.135	0.285	
	Right Tilt		0.222	0.016	0.072	0.064	0.238	
NR Band 12	Left Cheek	1RB	0.291	0.062	0.065	0.102	0.353	
	Left Tilt		0.133	0.008	0.092	0.044	0.141	
	Right Cheek		0.233	0.129	0.055	0.135	0.362	
	Right Tilt		0.078	0.016	0.072	0.064	0.094	
	Left Cheek	50%RB	0.192	0.062	0.065	0.102	0.254	
	Left Tilt		0.087	0.008	0.092	0.044	0.095	
	Right Cheek		0.154	0.129	0.055	0.135	0.283	
	Right Tilt		0.043	0.016	0.072	0.064	0.059	

Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Limit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
NR Band38	Left Cheek	1RB	0.154	0.062	0.065	0.102	0.216	1.6
	Left Tilt		0.220	0.008	0.092	0.044	0.228	
	Right Cheek		0.219	0.129	0.055	0.135	0.348	
	Right Tilt		0.476	0.016	0.072	0.064	0.492	
	Left Cheek	50%RB	0.102	0.062	0.065	0.102	0.164	
	Left Tilt		0.162	0.008	0.092	0.044	0.170	
	Right Cheek		0.157	0.129	0.055	0.135	0.286	
	Right Tilt		0.284	0.016	0.072	0.064	0.300	
NR Band41	Left Cheek	1RB	0.090	0.062	0.065	0.102	0.152	
	Left Tilt		0.143	0.008	0.092	0.044	0.151	
	Right Cheek		0.192	0.129	0.055	0.135	0.321	
	Right Tilt		0.385	0.016	0.072	0.064	0.401	
	Left Cheek	50%RB	0.063	0.062	0.065	0.102	0.125	
	Left Tilt		0.092	0.008	0.092	0.044	0.100	
	Right Cheek		0.128	0.129	0.055	0.135	0.257	
	Right Tilt		0.188	0.016	0.072	0.064	0.204	
NR Band66	Left Cheek	1RB	0.030	0.062	0.065	0.102	0.092	
	Left Tilt		0.057	0.008	0.092	0.044	0.065	
	Right Cheek		0.051	0.129	0.055	0.135	0.180	
	Right Tilt		0.123	0.016	0.072	0.064	0.139	
	Left Cheek	50%RB	0.021	0.062	0.065	0.102	0.083	
	Left Tilt		0.038	0.008	0.092	0.044	0.046	
	Right Cheek		0.032	0.129	0.055	0.135	0.161	
	Right Tilt		0.067	0.016	0.072	0.064	0.083	
NR Band71	Left Cheek	1RB	0.328	0.062	0.065	0.102	0.390	
	Left Tilt		0.079	0.008	0.092	0.044	0.087	
	Right Cheek		0.071	0.129	0.055	0.135	0.200	
	Right Tilt		0.052	0.016	0.072	0.064	0.068	
	Left Cheek	50%RB	0.198	0.062	0.065	0.102	0.260	
	Left Tilt		0.063	0.008	0.092	0.044	0.071	
	Right Cheek		0.061	0.129	0.055	0.135	0.190	
	Right Tilt		0.042	0.016	0.072	0.064	0.058	
NR Band77	Left Cheek	1RB	0.042	0.062	0.065	0.102	0.104	
	Left Tilt		0.063	0.008	0.092	0.044	0.071	
	Right Cheek		0.158	0.129	0.055	0.135	0.287	
	Right Tilt		0.198	0.016	0.072	0.064	0.214	
	Left Cheek	50%RB	0.025	0.062	0.065	0.102	0.087	
	Left Tilt		0.043	0.008	0.092	0.044	0.051	
	Right Cheek		0.093	0.129	0.055	0.135	0.222	
	Right Tilt		0.130	0.016	0.072	0.064	0.146	
NR Band77	Left Cheek	1RB	0.049	0.062	0.065	0.102	0.111	
	Left Tilt		0.096	0.008	0.092	0.044	0.104	
	Right Cheek		0.190	0.129	0.055	0.135	0.319	
	Right Tilt		0.323	0.016	0.072	0.064	0.339	
	Left Cheek	50%RB	0.030	0.062	0.065	0.102	0.092	
	Left Tilt		0.047	0.008	0.092	0.044	0.055	
	Right Cheek		0.097	0.129	0.055	0.135	0.226	
	Right Tilt		0.157	0.016	0.072	0.064	0.173	
NR Band77	Left Cheek	1RB	0.162	0.062	0.065	0.102	0.224	
	Left Tilt		0.212	0.008	0.092	0.044	0.220	
	Right Cheek		0.299	0.129	0.055	0.135	0.428	
	Right Tilt		0.487	0.016	0.072	0.064	0.503	
	Left Cheek	50%RB	0.089	0.062	0.065	0.102	0.151	
	Left Tilt		0.112	0.008	0.092	0.044	0.120	
	Right Cheek		0.182	0.129	0.055	0.135	0.311	
	Right Tilt		0.250	0.016	0.072	0.064	0.266	
NR Band78	Left Cheek	1RB	0.058	0.062	0.065	0.102	0.120	
	Left Tilt		0.078	0.008	0.092	0.044	0.086	
	Right Cheek		0.203	0.129	0.055	0.135	0.332	
	Right Tilt		0.265	0.016	0.072	0.064	0.281	
	Left Cheek	50%RB	0.023	0.062	0.065	0.102	0.085	
	Left Tilt		0.027	0.008	0.092	0.044	0.035	
	Right Cheek		0.067	0.129	0.055	0.135	0.196	
	Right Tilt		0.146	0.016	0.072	0.064	0.162	

Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Limit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
NR Band78	Left Cheek	1RB	0.074	0.062	0.065	0.102	0.136	1.6
	Left Tilt		0.134	0.008	0.092	0.044	0.142	
	Right Cheek		0.207	0.129	0.055	0.135	0.336	
	Right Tilt		0.386	0.016	0.072	0.064	0.402	
	Left Cheek	50%RB	0.031	0.062	0.065	0.102	0.093	
	Left Tilt		0.063	0.008	0.092	0.044	0.071	
	Right Cheek		0.137	0.129	0.055	0.135	0.266	
	Right Tilt		0.209	0.016	0.072	0.064	0.225	
NR Band78	Left Cheek	1RB	0.116	0.062	0.065	0.102	0.178	
	Left Tilt		0.137	0.008	0.092	0.044	0.145	
	Right Cheek		0.293	0.129	0.055	0.135	0.422	
	Right Tilt		0.488	0.016	0.072	0.064	0.504	
	Left Cheek	50%RB	0.065	0.062	0.065	0.102	0.127	
	Left Tilt		0.080	0.008	0.092	0.044	0.088	
	Right Cheek		0.162	0.129	0.055	0.135	0.291	
	Right Tilt		0.263	0.016	0.072	0.064	0.279	
2-n7	Left Cheek	1RB	0.537	0.062	0.065	0.102	0.599	
	Left Tilt		0.216	0.008	0.092	0.044	0.224	
	Right Cheek		0.877	0.129	0.055	0.135	1.006	
	Right Tilt		0.365	0.016	0.072	0.064	0.381	
	Left Cheek	50%RB	0.278	0.062	0.065	0.102	0.340	
	Left Tilt		0.176	0.008	0.092	0.044	0.184	
	Right Cheek		0.540	0.129	0.055	0.135	0.669	
	Right Tilt		0.222	0.016	0.072	0.064	0.238	
2-n66	Left Cheek	1RB	0.555	0.062	0.065	0.102	0.617	
	Left Tilt		0.244	0.008	0.092	0.044	0.252	
	Right Cheek		0.809	0.129	0.055	0.135	0.938	
	Right Tilt		0.343	0.016	0.072	0.064	0.359	
	Left Cheek	50%RB	0.296	0.062	0.065	0.102	0.358	
	Left Tilt		0.160	0.008	0.092	0.044	0.168	
	Right Cheek		0.532	0.129	0.055	0.135	0.661	
	Right Tilt		0.197	0.016	0.072	0.064	0.213	
2-n78	Left Cheek	1RB	0.528	0.062	0.065	0.102	0.590	
	Left Tilt		0.266	0.008	0.092	0.044	0.274	
	Right Cheek		0.803	0.129	0.055	0.135	0.932	
	Right Tilt		0.440	0.016	0.072	0.064	0.456	
	Left Cheek	50%RB	0.336	0.062	0.065	0.102	0.398	
	Left Tilt		0.174	0.008	0.092	0.044	0.182	
	Right Cheek		0.479	0.129	0.055	0.135	0.608	
	Right Tilt		0.248	0.016	0.072	0.064	0.264	
4-n7	Left Cheek	1RB	0.156	0.062	0.065	0.102	0.218	
	Left Tilt		0.201	0.008	0.092	0.044	0.209	
	Right Cheek		0.219	0.129	0.055	0.135	0.348	
	Right Tilt		0.267	0.016	0.072	0.064	0.283	
	Left Cheek	50%RB	0.112	0.062	0.065	0.102	0.174	
	Left Tilt		0.135	0.008	0.092	0.044	0.143	
	Right Cheek		0.178	0.129	0.055	0.135	0.307	
	Right Tilt		0.216	0.016	0.072	0.064	0.232	
4-n41	Left Cheek	1RB	0.446	0.062	0.065	0.102	0.508	
	Left Tilt		0.254	0.008	0.092	0.044	0.262	
	Right Cheek		0.489	0.129	0.055	0.135	0.618	
	Right Tilt		0.317	0.016	0.072	0.064	0.333	
	Left Cheek	50%RB	0.204	0.062	0.065	0.102	0.266	
	Left Tilt		0.136	0.008	0.092	0.044	0.144	
	Right Cheek		0.268	0.129	0.055	0.135	0.397	
	Right Tilt		0.178	0.016	0.072	0.064	0.194	
4-n78	Left Cheek	1RB	0.539	0.062	0.065	0.102	0.601	
	Left Tilt		0.327	0.008	0.092	0.044	0.335	
	Right Cheek		0.696	0.129	0.055	0.135	0.825	
	Right Tilt		0.364	0.016	0.072	0.064	0.380	
	Left Cheek	50%RB	0.256	0.062	0.065	0.102	0.318	
	Left Tilt		0.133	0.008	0.092	0.044	0.141	
	Right Cheek		0.414	0.129	0.055	0.135	0.543	
	Right Tilt		0.195	0.016	0.072	0.064	0.211	

Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
5-n7	Left Cheek	1RB	0.808	0.062	0.065	0.102	0.870	1.6
	Left Tilt		0.180	0.008	0.092	0.044	0.188	
	Right Cheek		0.419	0.129	0.055	0.135	0.548	
	Right Tilt		0.140	0.016	0.072	0.064	0.156	
	Left Cheek	50%RB	0.567	0.062	0.065	0.102	0.629	
	Left Tilt		0.068	0.008	0.092	0.044	0.076	
	Right Cheek		0.196	0.129	0.055	0.135	0.325	
5-n38	Right Tilt	1RB	0.063	0.016	0.072	0.064	0.079	
	Left Cheek		0.169	0.062	0.065	0.102	0.231	
	Left Tilt		0.298	0.008	0.092	0.044	0.306	
	Right Cheek		0.140	0.129	0.055	0.135	0.269	
	Right Tilt	50%RB	0.149	0.016	0.072	0.064	0.165	
	Left Cheek		0.082	0.062	0.065	0.102	0.144	
	Left Tilt		0.094	0.008	0.092	0.044	0.102	
5-n41	Right Cheek	1RB	0.058	0.129	0.055	0.135	0.187	
	Right Tilt		0.169	0.016	0.072	0.064	0.185	
	Left Cheek		0.565	0.062	0.065	0.102	0.627	
	Left Tilt		0.237	0.008	0.092	0.044	0.245	
	Right Cheek	50%RB	0.463	0.129	0.055	0.135	0.592	
	Right Tilt		0.208	0.016	0.072	0.064	0.224	
	Left Cheek		0.273	0.062	0.065	0.102	0.335	
5-n66	Left Tilt	1RB	0.084	0.008	0.092	0.044	0.092	
	Right Cheek		0.227	0.129	0.055	0.135	0.356	
	Right Tilt		0.065	0.016	0.072	0.064	0.081	
	Left Cheek		0.324	0.062	0.065	0.102	0.386	
	Left Tilt	50%RB	0.248	0.008	0.092	0.044	0.256	
	Right Cheek		0.263	0.129	0.055	0.135	0.392	
	Right Tilt		0.228	0.016	0.072	0.064	0.244	
5-n77	Left Cheek	1RB	0.140	0.062	0.065	0.102	0.202	
	Left Tilt		0.102	0.008	0.092	0.044	0.110	
	Right Cheek		0.117	0.129	0.055	0.135	0.246	
	Right Tilt		0.092	0.016	0.072	0.064	0.108	
	Left Cheek	50%RB	0.506	0.062	0.065	0.102	0.568	
	Left Tilt		0.219	0.008	0.092	0.044	0.227	
	Right Cheek		0.443	0.129	0.055	0.135	0.572	
5-n78	Right Tilt	1RB	0.203	0.016	0.072	0.064	0.219	
	Left Cheek		0.263	0.062	0.065	0.102	0.325	
	Left Tilt		0.104	0.008	0.092	0.044	0.112	
	Right Cheek		0.240	0.129	0.055	0.135	0.369	
	Right Tilt	50%RB	0.098	0.016	0.072	0.064	0.114	
	Left Cheek		0.284	0.062	0.065	0.102	0.346	
	Left Tilt		0.096	0.008	0.092	0.044	0.104	
7-n7	Right Cheek	1RB	0.242	0.129	0.055	0.135	0.371	
	Right Tilt		0.074	0.016	0.072	0.064	0.090	
	Left Cheek		0.160	0.062	0.065	0.102	0.222	
	Left Tilt		0.060	0.008	0.092	0.044	0.068	
	Right Cheek	50%RB	0.115	0.129	0.055	0.135	0.244	
	Right Tilt		0.045	0.016	0.072	0.064	0.061	
	Left Cheek		0.221	0.062	0.065	0.102	0.283	
7-n7	Left Tilt	1RB	0.351	0.008	0.092	0.044	0.359	
	Right Cheek		0.329	0.129	0.055	0.135	0.458	
	Right Tilt		0.366	0.016	0.072	0.064	0.382	
	Left Cheek		0.157	0.062	0.065	0.102	0.219	
	Left Tilt	50%RB	0.288	0.008	0.092	0.044	0.296	
	Right Cheek		0.261	0.129	0.055	0.135	0.390	
	Right Tilt		0.313	0.016	0.072	0.064	0.329	

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Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
7-n66	Left Cheek	1RB	0.773	0.062	0.065	0.102	0.835	1.6
	Left Tilt		0.709	0.008	0.092	0.044	0.717	
	Right Cheek		0.864	0.129	0.055	0.135	0.993	
	Right Tilt		0.821	0.016	0.072	0.064	0.837	
	Left Cheek	50%RB	0.465	0.062	0.065	0.102	0.527	
	Left Tilt		0.447	0.008	0.092	0.044	0.455	
	Right Cheek		0.660	0.129	0.055	0.135	0.789	
	Right Tilt		0.534	0.016	0.072	0.064	0.550	
7-n77	Left Cheek	1RB	0.752	0.062	0.065	0.102	0.814	
	Left Tilt		0.748	0.008	0.092	0.044	0.756	
	Right Cheek		0.813	0.129	0.055	0.135	0.942	
	Right Tilt		0.774	0.016	0.072	0.064	0.790	
	Left Cheek	50%RB	0.535	0.062	0.065	0.102	0.597	
	Left Tilt		0.436	0.008	0.092	0.044	0.444	
	Right Cheek		0.746	0.129	0.055	0.135	0.875	
	Right Tilt		0.603	0.016	0.072	0.064	0.619	
7-n78	Left Cheek	1RB	0.882	0.062	0.065	0.102	0.944	
	Left Tilt		0.695	0.008	0.092	0.044	0.703	
	Right Cheek		0.586	0.129	0.055	0.135	0.715	
	Right Tilt		0.481	0.016	0.072	0.064	0.497	
	Left Cheek	50%RB	0.670	0.062	0.065	0.102	0.732	
	Left Tilt		0.497	0.008	0.092	0.044	0.505	
	Right Cheek		0.445	0.129	0.055	0.135	0.574	
	Right Tilt		0.408	0.016	0.072	0.064	0.424	
38-n78	Left Cheek	1RB	0.204	0.062	0.065	0.102	0.266	
	Left Tilt		0.132	0.008	0.092	0.044	0.140	
	Right Cheek		0.333	0.129	0.055	0.135	0.462	
	Right Tilt		0.227	0.016	0.072	0.064	0.243	
	Left Cheek	50%RB	0.096	0.062	0.065	0.102	0.158	
	Left Tilt		0.072	0.008	0.092	0.044	0.080	
	Right Cheek		0.174	0.129	0.055	0.135	0.303	
	Right Tilt		0.102	0.016	0.072	0.064	0.118	
41-n41	Left Cheek	1RB	0.225	0.062	0.065	0.102	0.287	
	Left Tilt		0.174	0.008	0.092	0.044	0.182	
	Right Cheek		0.309	0.129	0.055	0.135	0.438	
	Right Tilt		0.187	0.016	0.072	0.064	0.203	
	Left Cheek	50%RB	0.131	0.062	0.065	0.102	0.193	
	Left Tilt		0.088	0.008	0.092	0.044	0.096	
	Right Cheek		0.185	0.129	0.055	0.135	0.314	
	Right Tilt		0.099	0.016	0.072	0.064	0.115	
41-n77	Left Cheek	1RB	0.274	0.062	0.065	0.102	0.336	
	Left Tilt		0.191	0.008	0.092	0.044	0.199	
	Right Cheek		0.318	0.129	0.055	0.135	0.447	
	Right Tilt		0.284	0.016	0.072	0.064	0.300	
	Left Cheek	50%RB	0.116	0.062	0.065	0.102	0.178	
	Left Tilt		0.103	0.008	0.092	0.044	0.111	
	Right Cheek		0.191	0.129	0.055	0.135	0.320	
	Right Tilt		0.149	0.016	0.072	0.064	0.165	
41-n78	Left Cheek	1RB	0.225	0.062	0.065	0.102	0.287	
	Left Tilt		0.193	0.008	0.092	0.044	0.201	
	Right Cheek		0.325	0.129	0.055	0.135	0.454	
	Right Tilt		0.278	0.016	0.072	0.064	0.294	
	Left Cheek	50%RB	0.094	0.062	0.065	0.102	0.156	
	Left Tilt		0.088	0.008	0.092	0.044	0.096	
	Right Cheek		0.164	0.129	0.055	0.135	0.293	
	Right Tilt		0.132	0.016	0.072	0.064	0.148	

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Band	Test Position	Scaled SAR				BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
		RB allocation	WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
66-n7	Left Cheek	1RB	0.160	0.062	0.065	0.102	0.222	1.6
	Left Tilt		0.214	0.008	0.092	0.044	0.222	
	Right Cheek		0.254	0.129	0.055	0.135	0.383	
	Right Tilt		0.305	0.016	0.072	0.064	0.321	
	Left Cheek	50%RB	0.061	0.062	0.065	0.102	0.123	
	Left Tilt		0.101	0.008	0.092	0.044	0.109	
	Right Cheek		0.127	0.129	0.055	0.135	0.256	
	Right Tilt		0.157	0.016	0.072	0.064	0.173	
66-n38	Left Cheek	1RB	0.312	0.062	0.065	0.102	0.374	
	Left Tilt		0.204	0.008	0.092	0.044	0.212	
	Right Cheek		0.669	0.129	0.055	0.135	0.798	
	Right Tilt		0.499	0.016	0.072	0.064	0.515	
	Left Cheek	50%RB	0.179	0.062	0.065	0.102	0.241	
	Left Tilt		0.145	0.008	0.092	0.044	0.153	
	Right Cheek		0.396	0.129	0.055	0.135	0.525	
	Right Tilt		0.262	0.016	0.072	0.064	0.278	
66-n41	Left Cheek	1RB	0.332	0.062	0.065	0.102	0.394	
	Left Tilt		0.210	0.008	0.092	0.044	0.218	
	Right Cheek		0.679	0.129	0.055	0.135	0.808	
	Right Tilt		0.451	0.016	0.072	0.064	0.467	
	Left Cheek	50%RB	0.181	0.062	0.065	0.102	0.243	
	Left Tilt		0.124	0.008	0.092	0.044	0.132	
	Right Cheek		0.316	0.129	0.055	0.135	0.445	
	Right Tilt		0.248	0.016	0.072	0.064	0.264	
66-n66	Left Cheek	1RB	0.527	0.062	0.065	0.102	0.589	
	Left Tilt		0.258	0.008	0.092	0.044	0.266	
	Right Cheek		0.682	0.129	0.055	0.135	0.811	
	Right Tilt		0.460	0.016	0.072	0.064	0.476	
	Left Cheek	50%RB	0.253	0.062	0.065	0.102	0.315	
	Left Tilt		0.149	0.008	0.092	0.044	0.157	
	Right Cheek		0.309	0.129	0.055	0.135	0.438	
	Right Tilt		0.225	0.016	0.072	0.064	0.241	
66-n77	Left Cheek	1RB	0.545	0.062	0.065	0.102	0.607	
	Left Tilt		0.257	0.008	0.092	0.044	0.265	
	Right Cheek		0.724	0.129	0.055	0.135	0.853	
	Right Tilt		0.502	0.016	0.072	0.064	0.518	
	Left Cheek	50%RB	0.279	0.062	0.065	0.102	0.341	
	Left Tilt		0.167	0.008	0.092	0.044	0.175	
	Right Cheek		0.377	0.129	0.055	0.135	0.506	
	Right Tilt		0.241	0.016	0.072	0.064	0.257	
66-n78	Left Cheek	1RB	0.140	0.062	0.065	0.102	0.202	
	Left Tilt		0.101	0.008	0.092	0.044	0.109	
	Right Cheek		0.423	0.129	0.055	0.135	0.552	
	Right Tilt		0.200	0.016	0.072	0.064	0.216	
	Left Cheek	50%RB	0.079	0.062	0.065	0.102	0.141	
	Left Tilt		0.060	0.008	0.092	0.044	0.068	
	Right Cheek		0.182	0.129	0.055	0.135	0.311	
	Right Tilt		0.099	0.016	0.072	0.064	0.115	

Hotspot(body-worn10mm)

Band	Test Position	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Limit (W/kg)
		WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
GSM850 (GPRS 4slots)	Front	0.667	0.039	0.087	0.047	0.706	1.6
	Back	1.097	0.053	0.115	0.064	1.150	
	Left	0.632	0.015	0.024	0.007	0.647	
	right	0.099	0.033	0.068	0.035	0.132	
	Top	0.120	0.037	0.057	0.009	0.157	
	Bottom	0.089	0.005	0.014	0.002	0.094	
GSM1900 (GPRS 4slots)	Front	0.195	0.039	0.087	0.047	0.234	
	Back	0.289	0.053	0.115	0.064	0.342	
	Left	0.176	0.015	0.024	0.007	0.191	
	right	0.055	0.033	0.068	0.035	0.088	
	Top	0.204	0.037	0.057	0.009	0.241	
	Bottom	0.024	0.005	0.014	0.002	0.029	
WCDMA Band 2	Front	0.080	0.039	0.087	0.047	0.119	
	Back	0.096	0.053	0.115	0.064	0.149	
	Left	0.073	0.015	0.024	0.007	0.088	
	right	0.031	0.033	0.068	0.035	0.064	
	Top	0.070	0.037	0.057	0.009	0.107	
	Bottom	0.011	0.005	0.014	0.002	0.016	
WCDMA Band 4	Front	0.096	0.039	0.087	0.047	0.135	
	Back	0.123	0.053	0.115	0.064	0.176	
	Left	0.075	0.015	0.024	0.007	0.090	
	right	0.037	0.033	0.068	0.035	0.070	
	Top	0.078	0.037	0.057	0.009	0.115	
	Bottom	0.015	0.005	0.014	0.002	0.020	
WCDMA Band 5	Front	0.639	0.039	0.087	0.047	0.678	
	Back	0.910	0.053	0.115	0.064	0.963	
	Left	0.606	0.015	0.024	0.007	0.621	
	right	0.214	0.033	0.068	0.035	0.247	
	Top	0.175	0.037	0.057	0.009	0.212	
	Bottom	0.153	0.005	0.014	0.002	0.158	

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Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1 1g(W/kg))			
LTE Band 2	Front	1RB	0.093	0.039	0.087	0.047	0.132	1.6
	Back		0.124	0.053	0.115	0.064	0.177	
	Left		0.084	0.015	0.024	0.007	0.099	
	right		0.050	0.033	0.068	0.035	0.083	
	Top		0.066	0.037	0.057	0.009	0.103	
	Bottom		0.012	0.005	0.014	0.002	0.017	
	Front	50%RB	0.088	0.039	0.087	0.047	0.127	
	Back		0.120	0.053	0.115	0.064	0.173	
	Left		0.079	0.015	0.024	0.007	0.094	
	right		0.045	0.033	0.068	0.035	0.078	
	Top		0.060	0.037	0.057	0.009	0.097	
LTE Band 4	Bottom		0.017	0.005	0.014	0.002	0.022	
	Front	1RB	0.105	0.039	0.087	0.047	0.144	
	Back		0.116	0.053	0.115	0.064	0.169	
	Left		0.086	0.015	0.024	0.007	0.101	
	right		0.049	0.033	0.068	0.035	0.082	
	Top		0.080	0.037	0.057	0.009	0.117	
	Bottom		0.013	0.005	0.014	0.002	0.018	
	Front	50%RB	0.096	0.039	0.087	0.047	0.135	
	Back		0.112	0.053	0.115	0.064	0.165	
	Left		0.082	0.015	0.024	0.007	0.097	
LTE Band 5	right		0.045	0.033	0.068	0.035	0.078	
	Top		0.076	0.037	0.057	0.009	0.113	
	Bottom		0.015	0.005	0.014	0.002	0.020	
	Front	1RB	0.324	0.039	0.087	0.047	0.363	
	Back		0.632	0.053	0.115	0.064	0.685	
	Left		0.487	0.015	0.024	0.007	0.502	
	right		0.152	0.033	0.068	0.035	0.185	
	Top		0.398	0.037	0.057	0.009	0.435	
	Bottom		0.035	0.005	0.014	0.002	0.040	
	Front	50%RB	0.270	0.039	0.087	0.047	0.309	
	Back		0.597	0.053	0.115	0.064	0.650	
	Left		0.440	0.015	0.024	0.007	0.455	
LTE Band 7	right		0.136	0.033	0.068	0.035	0.169	
	Top		0.362	0.037	0.057	0.009	0.399	
	Bottom		0.030	0.005	0.014	0.002	0.035	
	Front	1RB	0.071	0.039	0.087	0.047	0.110	
	Back		0.103	0.053	0.115	0.064	0.156	
	Left		0.053	0.015	0.024	0.007	0.068	
	right		0.033	0.033	0.068	0.035	0.066	
	Top		0.060	0.037	0.057	0.009	0.097	
	Bottom		0.012	0.005	0.014	0.002	0.017	
	Front	50%RB	0.063	0.039	0.087	0.047	0.102	
	Back		0.086	0.053	0.115	0.064	0.139	
	Left		0.045	0.015	0.024	0.007	0.060	
	right		0.029	0.033	0.068	0.035	0.062	
	Top		0.050	0.037	0.057	0.009	0.087	
	Bottom		0.011	0.005	0.014	0.002	0.016	

LTE Band 12	Front	1RB	0.127	0.039	0.087	0.047	0.166	1.6
	Back		0.199	0.053	0.115	0.064	0.252	
	Left		0.106	0.015	0.024	0.007	0.121	
	right		0.056	0.033	0.068	0.035	0.089	
	Top		0.051	0.037	0.057	0.009	0.088	
	Bottom		0.045	0.005	0.014	0.002	0.050	
	Front	50%RB	0.117	0.039	0.087	0.047	0.156	
	Back		0.190	0.053	0.115	0.064	0.243	
	Left		0.096	0.015	0.024	0.007	0.111	
	right		0.046	0.033	0.068	0.035	0.079	
	Top		0.042	0.037	0.057	0.009	0.079	
LTE Band 17	Bottom		0.038	0.005	0.014	0.002	0.043	
	Front	1RB	0.159	0.039	0.087	0.047	0.198	
	Back		0.247	0.053	0.115	0.064	0.300	
	Left		0.124	0.015	0.024	0.007	0.139	
	right		0.036	0.033	0.068	0.035	0.069	
	Top		0.052	0.037	0.057	0.009	0.089	
	Bottom		0.027	0.005	0.014	0.002	0.032	
	Front	50%RB	0.148	0.039	0.087	0.047	0.187	
	Back		0.228	0.053	0.115	0.064	0.281	
	Left		0.116	0.015	0.024	0.007	0.131	
	right		0.033	0.033	0.068	0.035	0.066	
LTE Band 38	Top		0.048	0.037	0.057	0.009	0.085	
	Bottom		0.023	0.005	0.014	0.002	0.028	
	Front	1RB	0.047	0.039	0.087	0.047	0.086	
	Back		0.060	0.053	0.115	0.064	0.113	
	Left		0.036	0.015	0.024	0.007	0.051	
	right		0.010	0.033	0.068	0.035	0.043	
	Top		0.042	0.037	0.057	0.009	0.079	
	Bottom		0.003	0.005	0.014	0.002	0.008	
	Front	50%RB	0.040	0.039	0.087	0.047	0.079	
	Back		0.055	0.053	0.115	0.064	0.108	
	Left		0.031	0.015	0.024	0.007	0.046	
	right		0.009	0.033	0.068	0.035	0.042	
	Top		0.035	0.037	0.057	0.009	0.072	
	Bottom		0.002	0.005	0.014	0.002	0.007	

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Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1 1g(W/kg)			
LTE Band 41	Front	1RB	0.036	0.039	0.087	0.047	0.075	1.6
	Back		0.058	0.053	0.115	0.064	0.111	
	Left		0.040	0.015	0.024	0.007	0.055	
	right		0.008	0.033	0.068	0.035	0.041	
	Top		0.034	0.037	0.057	0.009	0.071	
	Bottom		0.002	0.005	0.014	0.002	0.007	
	Front	50%RB	0.029	0.039	0.087	0.047	0.068	
	Back		0.054	0.053	0.115	0.064	0.107	
	Left		0.032	0.015	0.024	0.007	0.047	
	right		0.005	0.033	0.068	0.035	0.038	
	Top		0.031	0.037	0.057	0.009	0.068	
	Bottom		0.002	0.005	0.014	0.002	0.007	
LTE Band 42	Front	1RB	0.174	0.039	0.087	0.047	0.213	
	Back		0.249	0.053	0.115	0.064	0.302	
	Left		0.141	0.015	0.024	0.007	0.156	
	right		0.051	0.033	0.068	0.035	0.084	
	Top		0.192	0.037	0.057	0.009	0.229	
	Bottom		0.018	0.005	0.014	0.002	0.023	
	Front	50%RB	0.149	0.039	0.087	0.047	0.188	
	Back		0.207	0.053	0.115	0.064	0.260	
	Left		0.130	0.015	0.024	0.007	0.145	
	right		0.039	0.033	0.068	0.035	0.072	
	Top		0.172	0.037	0.057	0.009	0.209	
	Bottom		0.014	0.005	0.014	0.002	0.019	
LTE Band 66	Front	1RB	0.080	0.039	0.087	0.047	0.119	
	Back		0.135	0.053	0.115	0.064	0.188	
	Left		0.051	0.015	0.024	0.007	0.066	
	right		0.017	0.033	0.068	0.035	0.050	
	Top		0.066	0.037	0.057	0.009	0.103	
	Bottom		0.003	0.005	0.014	0.002	0.008	
	Front	50%RB	0.064	0.039	0.087	0.047	0.103	
	Back		0.126	0.053	0.115	0.064	0.179	
	Left		0.041	0.015	0.024	0.007	0.056	
	right		0.016	0.033	0.068	0.035	0.049	
	Top		0.057	0.037	0.057	0.009	0.094	
	Bottom		0.002	0.005	0.014	0.002	0.007	
N5	Front	1RB	0.303	0.039	0.087	0.047	0.342	
	Back		0.437	0.053	0.115	0.064	0.490	
	Left		0.164	0.015	0.024	0.007	0.179	
	right		0.019	0.033	0.068	0.035	0.052	
	Top		0.148	0.037	0.057	0.009	0.185	
	Bottom		0.024	0.005	0.014	0.002	0.029	
	Front	50%RB	0.167	0.039	0.087	0.047	0.206	
	Back		0.282	0.053	0.115	0.064	0.335	
	Left		0.105	0.015	0.024	0.007	0.120	
	right		0.011	0.033	0.068	0.035	0.044	
	Top		0.081	0.037	0.057	0.009	0.118	
	Bottom		0.014	0.005	0.014	0.002	0.019	

N7	Front	1RB	0.030	0.039	0.087	0.047	0.069	1.6
	Back		0.049	0.053	0.115	0.064	0.102	
	Left		0.021	0.015	0.024	0.007	0.036	
	right		0.007	0.033	0.068	0.035	0.040	
	Top		0.024	0.037	0.057	0.009	0.061	
	Bottom		0.010	0.005	0.014	0.002	0.015	
	Front	50%RB	0.021	0.039	0.087	0.047	0.060	
	Back		0.031	0.053	0.115	0.064	0.084	
	Left		0.012	0.015	0.024	0.007	0.027	
	right		0.003	0.033	0.068	0.035	0.036	
	Top		0.015	0.037	0.057	0.009	0.052	
N12	Bottom		0.005	0.005	0.014	0.002	0.010	
	Front	1RB	0.234	0.039	0.087	0.047	0.273	
	Back		0.376	0.053	0.115	0.064	0.429	
	Left		0.079	0.015	0.024	0.007	0.094	
	right		0.034	0.033	0.068	0.035	0.067	
	Top		0.018	0.037	0.057	0.009	0.055	
	Bottom		0.160	0.005	0.014	0.002	0.165	
	Front	50%RB	0.127	0.039	0.087	0.047	0.166	
	Back		0.220	0.053	0.115	0.064	0.273	
	Left		0.056	0.015	0.024	0.007	0.071	
	right		0.020	0.033	0.068	0.035	0.053	
	Top		0.014	0.037	0.057	0.009	0.051	
N38	Bottom		0.078	0.005	0.014	0.002	0.083	
	Front	1RB	0.071	0.039	0.087	0.047	0.110	
	Back		0.094	0.053	0.115	0.064	0.147	
	Left		0.036	0.015	0.024	0.007	0.051	
	right		0.014	0.033	0.068	0.035	0.047	
	Top		0.043	0.037	0.057	0.009	0.080	
	Bottom	50%RB	0.012	0.005	0.014	0.002	0.017	
	Front		0.046	0.039	0.087	0.047	0.085	
	Back		0.066	0.053	0.115	0.064	0.119	
	Left		0.022	0.015	0.024	0.007	0.037	
	right		0.009	0.033	0.068	0.035	0.042	
	Top		0.028	0.037	0.057	0.009	0.065	
	Bottom		0.005	0.005	0.014	0.002	0.010	

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Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WiFi2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1 1g(W/kg))			
N41	Front	1RB	0.039	0.039	0.087	0.047	0.078	1.6
	Back		0.069	0.053	0.115	0.064	0.122	
	Left		0.023	0.015	0.024	0.007	0.038	
	right		0.007	0.033	0.068	0.035	0.040	
	Top		0.021	0.037	0.057	0.009	0.058	
	Bottom		0.005	0.005	0.014	0.002	0.010	
	Front	50%RB	0.028	0.039	0.087	0.047	0.067	
	Back		0.041	0.053	0.115	0.064	0.094	
	Left		0.017	0.015	0.024	0.007	0.032	
	right		0.005	0.033	0.068	0.035	0.038	
	Top		0.012	0.037	0.057	0.009	0.049	
	Bottom		0.003	0.005	0.014	0.002	0.008	
N66	Front	1RB	0.026	0.039	0.087	0.047	0.065	
	Back		0.057	0.053	0.115	0.064	0.110	
	Left		0.020	0.015	0.024	0.007	0.035	
	right		0.008	0.033	0.068	0.035	0.041	
	Top		0.014	0.037	0.057	0.009	0.051	
	Bottom		0.006	0.005	0.014	0.002	0.011	
	Front	50%RB	0.018	0.039	0.087	0.047	0.057	
	Back		0.032	0.053	0.115	0.064	0.085	
	Left		0.011	0.015	0.024	0.007	0.026	
	right		0.006	0.033	0.068	0.035	0.039	
	Top		0.008	0.037	0.057	0.009	0.045	
	Bottom		0.003	0.005	0.014	0.002	0.008	
N71	Front	1RB	0.346	0.039	0.087	0.047	0.385	
	Back		0.479	0.053	0.115	0.064	0.532	
	Left		0.042	0.015	0.024	0.007	0.057	
	right		0.083	0.033	0.068	0.035	0.116	
	Top		0.015	0.037	0.057	0.009	0.052	
	Bottom		0.091	0.005	0.014	0.002	0.096	
	Front	50%RB	0.242	0.039	0.087	0.047	0.281	
	Back		0.362	0.053	0.115	0.064	0.415	
	Left		0.025	0.015	0.024	0.007	0.040	
	right		0.050	0.033	0.068	0.035	0.083	
	Top		0.008	0.037	0.057	0.009	0.045	
	Bottom		0.065	0.005	0.014	0.002	0.070	
N77	Front	1RB	0.166	0.039	0.087	0.047	0.205	
	Back		0.239	0.053	0.115	0.064	0.292	
	Left		0.047	0.015	0.024	0.007	0.062	
	right		0.022	0.033	0.068	0.035	0.055	
	Top		0.043	0.037	0.057	0.009	0.080	
	Bottom		0.019	0.005	0.014	0.002	0.024	
	Front	50%RB	0.136	0.039	0.087	0.047	0.175	
	Back		0.194	0.053	0.115	0.064	0.247	
	Left		0.032	0.015	0.024	0.007	0.047	
	right		0.011	0.033	0.068	0.035	0.044	
	Top		0.028	0.037	0.057	0.009	0.065	
	Bottom		0.010	0.005	0.014	0.002	0.015	
N77	Front	1RB	0.050	0.039	0.087	0.047	0.089	
	Back		0.099	0.053	0.115	0.064	0.152	
	Left		0.028	0.015	0.024	0.007	0.043	
	right		0.009	0.033	0.068	0.035	0.042	
	Top		0.023	0.037	0.057	0.009	0.060	
	Bottom		0.008	0.005	0.014	0.002	0.013	
	Front	50%RB	0.036	0.039	0.087	0.047	0.075	
	Back		0.061	0.053	0.115	0.064	0.114	
	Left		0.019	0.015	0.024	0.007	0.034	
	right		0.005	0.033	0.068	0.035	0.038	
	Top		0.013	0.037	0.057	0.009	0.050	
	Bottom		0.003	0.005	0.014	0.002	0.008	

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N77	Front	1RB	0.072	0.039	0.087	0.047	0.111
	Back		0.142	0.053	0.115	0.064	0.195
	Left		0.030	0.015	0.024	0.007	0.045
	right		0.016	0.033	0.068	0.035	0.049
	Top		0.024	0.037	0.057	0.009	0.061
	Bottom		0.011	0.005	0.014	0.002	0.016
	Front	50%RB	0.032	0.039	0.087	0.047	0.071
	Back		0.056	0.053	0.115	0.064	0.109
	Left		0.017	0.015	0.024	0.007	0.032
	right		0.008	0.033	0.068	0.035	0.041
	Top		0.013	0.037	0.057	0.009	0.050
	Bottom		0.005	0.005	0.014	0.002	0.010
N78	Front	1RB	0.029	0.039	0.087	0.047	0.068
	Back		0.052	0.053	0.115	0.064	0.105
	Left		0.011	0.015	0.024	0.007	0.026
	right		0.005	0.033	0.068	0.035	0.038
	Top		0.007	0.037	0.057	0.009	0.044
	Bottom		0.003	0.005	0.014	0.002	0.008
	Front	50%RB	0.018	0.039	0.087	0.047	0.057
	Back		0.027	0.053	0.115	0.064	0.080
	Left		0.007	0.015	0.024	0.007	0.022
	right		0.005	0.033	0.068	0.035	0.038
	Top		0.004	0.037	0.057	0.009	0.041
	Bottom		0.002	0.005	0.014	0.002	0.007
N78	Front	1RB	0.102	0.039	0.087	0.047	0.141
	Back		0.180	0.053	0.115	0.064	0.233
	Left		0.051	0.015	0.024	0.007	0.066
	right		0.019	0.033	0.068	0.035	0.052
	Top		0.057	0.037	0.057	0.009	0.094
	Bottom		0.010	0.005	0.014	0.002	0.015
	Front	50%RB	0.050	0.039	0.087	0.047	0.089
	Back		0.115	0.053	0.115	0.064	0.168
	Left		0.025	0.015	0.024	0.007	0.040
	right		0.010	0.033	0.068	0.035	0.043
	Top		0.028	0.037	0.057	0.009	0.065
	Bottom		0.005	0.005	0.014	0.002	0.010
N78	Front	1RB	0.185	0.039	0.087	0.047	0.224
	Back		0.248	0.053	0.115	0.064	0.301
	Left		0.071	0.015	0.024	0.007	0.086
	right		0.022	0.033	0.068	0.035	0.055
	Top		0.075	0.037	0.057	0.009	0.112
	Bottom		0.019	0.005	0.014	0.002	0.024
	Front	50%RB	0.084	0.039	0.087	0.047	0.123
	Back		0.140	0.053	0.115	0.064	0.193
	Left		0.035	0.015	0.024	0.007	0.050
	right		0.012	0.033	0.068	0.035	0.045
	Top		0.040	0.037	0.057	0.009	0.077
	Bottom		0.008	0.005	0.014	0.002	0.013
2-n7	Front	1RB	0.181	0.039	0.087	0.047	0.220
	Back		0.271	0.053	0.115	0.064	0.324
	Left		0.097	0.015	0.024	0.007	0.112
	right		0.029	0.033	0.068	0.035	0.062
	Top		0.065	0.037	0.057	0.009	0.102
	Bottom		0.025	0.005	0.014	0.002	0.030
	Front	50%RB	0.137	0.039	0.087	0.047	0.176
	Back		0.177	0.053	0.115	0.064	0.230
	Left		0.072	0.015	0.024	0.007	0.087
	right		0.020	0.033	0.068	0.035	0.053
	Top		0.046	0.037	0.057	0.009	0.083
	Bottom		0.012	0.005	0.014	0.002	0.017

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Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1 1g(W/kg)			
2-n66	Front	1RB	0.174	0.039	0.087	0.047	0.213	1.6
	Back		0.245	0.053	0.115	0.064	0.298	
	Left		0.083	0.015	0.024	0.007	0.098	
	right		0.015	0.033	0.068	0.035	0.048	
	Top		0.043	0.037	0.057	0.009	0.080	
	Bottom		0.022	0.005	0.014	0.002	0.027	
	Front	50%RB	0.099	0.039	0.087	0.047	0.138	
	Back		0.148	0.053	0.115	0.064	0.201	
	Left		0.041	0.015	0.024	0.007	0.056	
	right		0.007	0.033	0.068	0.035	0.040	
	Top		0.026	0.037	0.057	0.009	0.063	
	Bottom		0.010	0.005	0.014	0.002	0.015	
2-n78	Front	1RB	0.173	0.039	0.087	0.047	0.212	
	Back		0.255	0.053	0.115	0.064	0.308	
	Left		0.102	0.015	0.024	0.007	0.117	
	right		0.013	0.033	0.068	0.035	0.046	
	Top		0.065	0.037	0.057	0.009	0.102	
	Bottom		0.036	0.005	0.014	0.002	0.041	
	Front	50%RB	0.135	0.039	0.087	0.047	0.174	
	Back		0.183	0.053	0.115	0.064	0.236	
	Left		0.072	0.015	0.024	0.007	0.087	
	right		0.009	0.033	0.068	0.035	0.042	
	Top		0.043	0.037	0.057	0.009	0.080	
	Bottom		0.021	0.005	0.014	0.002	0.026	
4-n7	Front	1RB	0.180	0.039	0.087	0.047	0.219	1.6
	Back		0.233	0.053	0.115	0.064	0.286	
	Left		0.136	0.015	0.024	0.007	0.151	
	right		0.020	0.033	0.068	0.035	0.053	
	Top		0.106	0.037	0.057	0.009	0.143	
	Bottom		0.014	0.005	0.014	0.002	0.019	
	Front	50%RB	0.120	0.039	0.087	0.047	0.159	
	Back		0.134	0.053	0.115	0.064	0.187	
	Left		0.076	0.015	0.024	0.007	0.091	
	right		0.015	0.033	0.068	0.035	0.048	
	Top		0.059	0.037	0.057	0.009	0.096	
	Bottom		0.009	0.005	0.014	0.002	0.014	
4-n41	Front	1RB	0.269	0.039	0.087	0.047	0.308	
	Back		0.417	0.053	0.115	0.064	0.470	
	Left		0.178	0.015	0.024	0.007	0.193	
	right		0.040	0.033	0.068	0.035	0.073	
	Top		0.142	0.037	0.057	0.009	0.179	
	Bottom		0.023	0.005	0.014	0.002	0.028	
	Front	50%RB	0.160	0.039	0.087	0.047	0.199	
	Back		0.221	0.053	0.115	0.064	0.274	
	Left		0.075	0.015	0.024	0.007	0.090	
	right		0.019	0.033	0.068	0.035	0.052	
	Top		0.056	0.037	0.057	0.009	0.093	
	Bottom		0.010	0.005	0.014	0.002	0.015	
4-n78	Front	1RB	0.159	0.039	0.087	0.047	0.198	1.6
	Back		0.143	0.053	0.115	0.064	0.196	
	Left		0.182	0.015	0.024	0.007	0.197	
	right		0.123	0.033	0.068	0.035	0.156	
	Top		0.014	0.037	0.057	0.009	0.051	
	Bottom		0.102	0.005	0.014	0.002	0.107	
	Front	50%RB	0.011	0.039	0.087	0.047	0.050	
	Back		0.072	0.053	0.115	0.064	0.125	
	Left		0.096	0.015	0.024	0.007	0.111	
	right		0.049	0.033	0.068	0.035	0.082	
	Top		0.011	0.037	0.057	0.009	0.048	
	Bottom		0.038	0.005	0.014	0.002	0.043	

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Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1 1g(W/kg))			
5-n7	Front	1RB	0.376	0.039	0.087	0.047	0.415	1.6
	Back		0.618	0.053	0.115	0.064	0.671	
	Left		0.192	0.015	0.024	0.007	0.207	
	right		0.029	0.033	0.068	0.035	0.062	
	Top		0.091	0.037	0.057	0.009	0.128	
	Bottom		0.054	0.005	0.014	0.002	0.059	
	Front	50%RB	0.185	0.039	0.087	0.047	0.224	
	Back		0.362	0.053	0.115	0.064	0.415	
	Left		0.090	0.015	0.024	0.007	0.105	
	right		0.018	0.033	0.068	0.035	0.051	
	Top		0.052	0.037	0.057	0.009	0.089	
	Bottom		0.027	0.005	0.014	0.002	0.032	
5-n38	Front	1RB	0.165	0.039	0.087	0.047	0.204	
	Back		0.225	0.053	0.115	0.064	0.278	
	Left		0.123	0.015	0.024	0.007	0.138	
	right		0.012	0.033	0.068	0.035	0.045	
	Top		0.096	0.037	0.057	0.009	0.133	
	Bottom		0.010	0.005	0.014	0.002	0.015	
	Front	50%RB	0.079	0.039	0.087	0.047	0.118	
	Back		0.106	0.053	0.115	0.064	0.159	
	Left		0.051	0.015	0.024	0.007	0.066	
	right		0.008	0.033	0.068	0.035	0.041	
	Top		0.035	0.037	0.057	0.009	0.072	
	Bottom		0.008	0.005	0.014	0.002	0.013	
5-n41	Front	1RB	0.189	0.039	0.087	0.047	0.228	
	Back		0.262	0.053	0.115	0.064	0.315	
	Left		0.113	0.015	0.024	0.007	0.128	
	right		0.022	0.033	0.068	0.035	0.055	
	Top		0.080	0.037	0.057	0.009	0.117	
	Bottom		0.032	0.005	0.014	0.002	0.037	
	Front	50%RB	0.064	0.039	0.087	0.047	0.103	
	Back		0.140	0.053	0.115	0.064	0.193	
	Left		0.054	0.015	0.024	0.007	0.069	
	right		0.009	0.033	0.068	0.035	0.042	
	Top		0.029	0.037	0.057	0.009	0.066	
	Bottom		0.016	0.005	0.014	0.002	0.021	
5-n66	Front	1RB	0.235	0.039	0.087	0.047	0.274	
	Back		0.324	0.053	0.115	0.064	0.377	
	Left		0.188	0.015	0.024	0.007	0.203	
	right		0.023	0.033	0.068	0.035	0.056	
	Top		0.142	0.037	0.057	0.009	0.179	
	Bottom		0.015	0.005	0.014	0.002	0.020	
	Front	50%RB	0.095	0.039	0.087	0.047	0.134	
	Back		0.141	0.053	0.115	0.064	0.194	
	Left		0.071	0.015	0.024	0.007	0.086	
	right		0.011	0.033	0.068	0.035	0.044	
	Top		0.058	0.037	0.057	0.009	0.095	
	Bottom		0.008	0.005	0.014	0.002	0.013	
5-n77	Front	1RB	0.192	0.039	0.087	0.047	0.231	
	Back		0.302	0.053	0.115	0.064	0.355	
	Left		0.098	0.015	0.024	0.007	0.113	
	right		0.020	0.033	0.068	0.035	0.053	
	Top		0.057	0.037	0.057	0.009	0.094	
	Bottom		0.037	0.005	0.014	0.002	0.042	
	Front	50%RB	0.091	0.039	0.087	0.047	0.130	
	Back		0.155	0.053	0.115	0.064	0.208	
	Left		0.039	0.015	0.024	0.007	0.054	
	right		0.014	0.033	0.068	0.035	0.047	
	Top		0.033	0.037	0.057	0.009	0.070	
	Bottom		0.021	0.005	0.014	0.002	0.026	

5-n78	Front	1RB	0.169	0.039	0.087	0.047	0.208	1.6
	Back		0.236	0.053	0.115	0.064	0.289	
	Left		0.067	0.015	0.024	0.007	0.082	
	right		0.018	0.033	0.068	0.035	0.051	
	Top		0.030	0.037	0.057	0.009	0.067	
	Bottom		0.017	0.005	0.014	0.002	0.022	
	Front	50%RB	0.070	0.039	0.087	0.047	0.109	
	Back		0.115	0.053	0.115	0.064	0.168	
	Left		0.035	0.015	0.024	0.007	0.050	
	right		0.009	0.033	0.068	0.035	0.042	
	Top		0.017	0.037	0.057	0.009	0.054	
7-n7	Bottom		0.012	0.005	0.014	0.002	0.017	
	Front	1RB	0.174	0.039	0.087	0.047	0.213	
	Back		0.359	0.053	0.115	0.064	0.412	
	Left		0.098	0.015	0.024	0.007	0.113	
	right		0.019	0.033	0.068	0.035	0.052	
	Top		0.045	0.037	0.057	0.009	0.082	
	Bottom		0.018	0.005	0.014	0.002	0.023	
	Front	50%RB	0.130	0.039	0.087	0.047	0.169	
	Back		0.303	0.053	0.115	0.064	0.356	
	Left		0.089	0.015	0.024	0.007	0.104	
	right		0.017	0.033	0.068	0.035	0.050	
	Top		0.040	0.037	0.057	0.009	0.077	
7-n66	Bottom		0.013	0.005	0.014	0.002	0.018	
	Front	1RB	0.253	0.039	0.087	0.047	0.292	
	Back		0.421	0.053	0.115	0.064	0.474	
	Left		0.136	0.015	0.024	0.007	0.151	
	right		0.031	0.033	0.068	0.035	0.064	
	Top		0.088	0.037	0.057	0.009	0.125	
	Bottom	50%RB	0.053	0.005	0.014	0.002	0.058	
	Front		0.187	0.039	0.087	0.047	0.226	
	Back		0.329	0.053	0.115	0.064	0.382	
	Left		0.076	0.015	0.024	0.007	0.091	
	right		0.023	0.033	0.068	0.035	0.056	
	Top		0.050	0.037	0.057	0.009	0.087	
	Bottom		0.041	0.005	0.014	0.002	0.046	

Report No.: WSCT-ANAB-R&E250100001A-SAR SAR Evaluation Report

Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Limit (W/kg)
			WWAN SAR 1g(W/kg)	WiFi2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
7-n77	Front	1RB	0.142	0.039	0.087	0.047	0.181	1.6
	Back		0.273	0.053	0.115	0.064	0.326	
	Left		0.083	0.015	0.024	0.007	0.098	
	right		0.022	0.033	0.068	0.035	0.055	
	Top		0.049	0.037	0.057	0.009	0.086	
	Bottom		0.020	0.005	0.014	0.002	0.025	
	Front	50%RB	0.099	0.039	0.087	0.047	0.138	
	Back		0.215	0.053	0.115	0.064	0.268	
	Left		0.038	0.015	0.024	0.007	0.053	
	right		0.016	0.033	0.068	0.035	0.049	
	Top		0.030	0.037	0.057	0.009	0.067	
7-n78	Bottom		0.012	0.005	0.014	0.002	0.017	
	Front	1RB	0.201	0.039	0.087	0.047	0.240	
	Back		0.232	0.053	0.115	0.064	0.285	
	Left		0.145	0.015	0.024	0.007	0.160	
	right		0.023	0.033	0.068	0.035	0.056	
	Top		0.124	0.037	0.057	0.009	0.161	
	Bottom		0.014	0.005	0.014	0.002	0.019	
	Front	50%RB	0.138	0.039	0.087	0.047	0.177	
	Back		0.184	0.053	0.115	0.064	0.237	
	Left		0.106	0.015	0.024	0.007	0.121	
	right		0.018	0.033	0.068	0.035	0.051	
38-n38	Top		0.087	0.037	0.057	0.009	0.124	
	Bottom		0.012	0.005	0.014	0.002	0.017	
	Front	1RB	0.031	0.039	0.087	0.047	0.070	
	Back		0.059	0.053	0.115	0.064	0.112	
	Left		0.024	0.015	0.024	0.007	0.039	
	right		0.011	0.033	0.068	0.035	0.044	
	Top		0.022	0.037	0.057	0.009	0.059	
	Bottom		0.017	0.005	0.014	0.002	0.022	
	Front	50%RB	0.016	0.039	0.087	0.047	0.055	
	Back		0.038	0.053	0.115	0.064	0.091	
41-n41	Left		0.008	0.015	0.024	0.007	0.023	
	right		0.003	0.033	0.068	0.035	0.036	
	Top		0.007	0.037	0.057	0.009	0.044	
	Bottom		0.005	0.005	0.014	0.002	0.010	
	Front	1RB	0.053	0.039	0.087	0.047	0.092	
	Back		0.118	0.053	0.115	0.064	0.171	
	Left		0.026	0.015	0.024	0.007	0.041	
	right		0.011	0.033	0.068	0.035	0.044	
	Top		0.019	0.037	0.057	0.009	0.056	
	Bottom		0.006	0.005	0.014	0.002	0.011	
	Front	50%RB	0.030	0.039	0.087	0.047	0.069	
	Back		0.061	0.053	0.115	0.064	0.114	
	Left		0.018	0.015	0.024	0.007	0.033	
	right		0.006	0.033	0.068	0.035	0.039	
	Top		0.012	0.037	0.057	0.009	0.049	
	Bottom		0.003	0.005	0.014	0.002	0.008	

Report No.: WSCT-ANAB-R&E250100001A-SAR SAR Evaluation Report

Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1 1g(W/kg))			
41-n77	Front	1RB	0.080	0.039	0.087	0.047	0.119	1.6
	Back		0.097	0.053	0.115	0.064	0.150	
	Left		0.055	0.015	0.024	0.007	0.070	
	right		0.029	0.033	0.068	0.035	0.062	
	Top		0.035	0.037	0.057	0.009	0.072	
	Bottom		0.017	0.005	0.014	0.002	0.022	
	Front	50%RB	0.043	0.039	0.087	0.047	0.082	
	Back		0.058	0.053	0.115	0.064	0.111	
	Left		0.028	0.015	0.024	0.007	0.043	
	right		0.013	0.033	0.068	0.035	0.046	
	Top		0.018	0.037	0.057	0.009	0.055	
	Bottom		0.008	0.005	0.014	0.002	0.013	
41-n78	Front	1RB	0.043	0.039	0.087	0.047	0.082	
	Back		0.058	0.053	0.115	0.064	0.111	
	Left		0.030	0.015	0.024	0.007	0.045	
	right		0.012	0.033	0.068	0.035	0.045	
	Top		0.021	0.037	0.057	0.009	0.058	
	Bottom		0.010	0.005	0.014	0.002	0.015	
	Front	50%RB	0.018	0.039	0.087	0.047	0.057	
	Back		0.038	0.053	0.115	0.064	0.091	
	Left		0.014	0.015	0.024	0.007	0.029	
	right		0.007	0.033	0.068	0.035	0.040	
	Top		0.013	0.037	0.057	0.009	0.050	
	Bottom		0.003	0.005	0.014	0.002	0.008	

Report No.: WSCT-ANAB-R&E250100001A-SAR SAR Evaluation Report

Band	Test Position	RB allocation	Scaled SAR			BT SAR 1g(W/kg)	Σ SAR (W/kg)	Llimit (W/kg)
			WWAN SAR 1g(W/kg)	WIFI2.4G SAR 1g(W/kg)	Wi-Fi 5G(Band 1) 1g(W/kg)			
66-n7	Front	1RB	0.087	0.039	0.087	0.047	0.126	1.6
	Back		0.163	0.053	0.115	0.064	0.216	
	Left		0.050	0.015	0.024	0.007	0.065	
	right		0.017	0.033	0.068	0.035	0.050	
	Top		0.035	0.037	0.057	0.009	0.072	
	Bottom		0.023	0.005	0.014	0.002	0.028	
	Front	50%RB	0.044	0.039	0.087	0.047	0.083	
	Back		0.084	0.053	0.115	0.064	0.137	
	Left		0.025	0.015	0.024	0.007	0.040	
	right		0.010	0.033	0.068	0.035	0.043	
	Top		0.022	0.037	0.057	0.009	0.059	
	Bottom		0.011	0.005	0.014	0.002	0.016	
66-n38	Front	1RB	0.090	0.039	0.087	0.047	0.129	
	Back		0.172	0.053	0.115	0.064	0.225	
	Left		0.049	0.015	0.024	0.007	0.064	
	right		0.010	0.033	0.068	0.035	0.043	
	Top		0.033	0.037	0.057	0.009	0.070	
	Bottom		0.021	0.005	0.014	0.002	0.026	
	Front	50%RB	0.045	0.039	0.087	0.047	0.084	
	Back		0.096	0.053	0.115	0.064	0.149	
	Left		0.023	0.015	0.024	0.007	0.038	
	right		0.005	0.033	0.068	0.035	0.038	
	Top		0.020	0.037	0.057	0.009	0.057	
	Bottom		0.011	0.005	0.014	0.002	0.016	
66-n41	Front	1RB	0.043	0.039	0.087	0.047	0.082	
	Back		0.072	0.053	0.115	0.064	0.125	
	Left		0.025	0.015	0.024	0.007	0.040	
	right		0.013	0.033	0.068	0.035	0.046	
	Top		0.020	0.037	0.057	0.009	0.057	
	Bottom		0.016	0.005	0.014	0.002	0.021	
	Front	50%RB	0.026	0.039	0.087	0.047	0.065	
	Back		0.046	0.053	0.115	0.064	0.099	
	Left		0.012	0.015	0.024	0.007	0.027	
	right		0.008	0.033	0.068	0.035	0.041	
	Top		0.013	0.037	0.057	0.009	0.050	
	Bottom		0.010	0.005	0.014	0.002	0.015	
66-n66	Front	1RB	0.047	0.039	0.087	0.047	0.086	
	Back		0.121	0.053	0.115	0.064	0.174	
	Left		0.027	0.015	0.024	0.007	0.042	
	right		0.012	0.033	0.068	0.035	0.045	
	Top		0.024	0.037	0.057	0.009	0.061	
	Bottom		0.014	0.005	0.014	0.002	0.019	
	Front	50%RB	0.026	0.039	0.087	0.047	0.065	
	Back		0.064	0.053	0.115	0.064	0.117	
	Left		0.018	0.015	0.024	0.007	0.033	
	right		0.008	0.033	0.068	0.035	0.041	
	Top		0.016	0.037	0.057	0.009	0.053	
	Bottom		0.010	0.005	0.014	0.002	0.015	

66-n77	Front	1RB	0.055	0.039	0.087	0.047	0.094	1.6
	Back		0.113	0.053	0.115	0.064	0.166	
	Left		0.031	0.015	0.024	0.007	0.046	
	right		0.007	0.033	0.068	0.035	0.040	
	Top		0.021	0.037	0.057	0.009	0.058	
	Bottom		0.005	0.005	0.014	0.002	0.010	
	Front	50%RB	0.024	0.039	0.087	0.047	0.063	
	Back		0.062	0.053	0.115	0.064	0.115	
	Left		0.018	0.015	0.024	0.007	0.033	
	right		0.005	0.033	0.068	0.035	0.038	
	Top		0.011	0.037	0.057	0.009	0.048	
	Bottom		0.003	0.005	0.014	0.002	0.008	
66-n78	Front	1RB	0.033	0.039	0.087	0.047	0.072	
	Back		0.081	0.053	0.115	0.064	0.134	
	Left		0.021	0.015	0.024	0.007	0.036	
	right		0.009	0.033	0.068	0.035	0.042	
	Top		0.018	0.037	0.057	0.009	0.055	
	Bottom		0.006	0.005	0.014	0.002	0.011	
	Front	50%RB	0.020	0.039	0.087	0.047	0.059	
	Back		0.043	0.053	0.115	0.064	0.096	
	Left		0.007	0.015	0.024	0.007	0.022	
	right		0.004	0.033	0.068	0.035	0.037	
	Top		0.005	0.037	0.057	0.009	0.042	
	Bottom		0.002	0.005	0.014	0.002	0.007	

13 Measurement uncertainty evaluation

13.1 Measurement uncertainty evaluation for SAR test

The following table includes the uncertainty table of the IEEE 1528. The values are determined by SPEAG. The breakdown of the individual uncertainties is as follows:

DASY8 Uncertainty Budget								
According to IEC/IEEE 62209-1528 (Frequency band: 300MHz-3GHz range)								
Symbol	Error Description	Uncert. value	Prob. Dist.	Div.	(ci) (1g)	(ci) (10g)	Std. Unc (1g)	Std. Unc (10g)
Measurement System Errors								
CF	Probe Calibration	±13.3%	N	2	1	1	±6.7%	±6.7%
CF _{drift}	Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
LIN	Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%
BBS	Broadband Signal	±2.8%	R	$\sqrt{3}$	1	1	±1.6%	±1.6%
ISO	Probe Isotropy	±7.6%	R	$\sqrt{3}$	1	1	±4.4%	±4.4%
DAE	Other Probe+Electronic	±0.8%	N	1	1	1	±0.8%	±0.8%
AMB	RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Δ _{sys}	Probe Positioning	±0.006 mm	N	1	0.14	0.14	±0.10%	±0.10%
DAT	Data Processing	±1.2%	N	1	1	1	±1.2%	±1.2%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.)DAK	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
LIQ(T _σ)	Conductivity (temp.)BB	±3.3%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%
EPS	Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0	0	±0%	±0%
DIS	Distance DUT – TSL	±2.0%	N	1	2	2	±4.0%	±4.0%
D _{xyz}	Device Positioning	±1.0%	N	1	1	1	±1.0%	±1.0%
H	Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%
MOD	DUT Modulation ^m	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
TAS	Time-average SAR	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
RF _{drift}	DUT drift	±2.5%	N	1	1	1	±2.5%	±2.5%
VAL	Val Antenna Unc. ^{val}	±0.0%	N	1	1	1	±0.0%	±0.0%
RF _{in}	Unc.Input Power ^{val}	±0.0%	N	1	1	1	±0.0%	±0.0%
Correction to the SAR results								
C(ε, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
C(R)	SAR scaling ^p	±0.0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%
u(ΔSAR)	Combined Uncertainty						±11.3%	±11.2%
U	Expanded Uncertainty						±22.6%	±22.5%

DASY8 Uncertainty Budget

According to IEC/IEEE 62209-1528
(Frequency band: 3GHz-6GHz range)

Symbol	Error Description	Uncert. value	Prob. Dist.	Div.	(ci) (1g)	(ci) (10g)	Std.Unc (1g)	Std.Unc (10g)
Measurement System Errors								
CF	Probe Calibration	±13.1%	N	2	1	1	±6.55%	±6.55%
CF _{drift}	Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
LIN	Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%
BBS	Broadband Signal	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%
ISO	Probe Isotropy	±7.6%	R	$\sqrt{3}$	1	1	±4.4%	±4.4%
DAE	Other Probe+Electronic	±1.2%	N	1	1	1	±1.2%	±1.2%
AMB	RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Δ_{sys}	Probe Positioning	±0.005 mm	N	1	0.29	0.29	±0.2%	±0.20%
DAT	Data Processing	±2.3%	N	1	1	1	±2.3%	±2.3%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.)DAK	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
LIQ(T_{σ})	Conductivity (temp.)BB	±3.4%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%
EPS	Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0.25	0.25	±2.0%	±2.0%
DIS	Distance DUT – TSL	±2.0%	N	1	2	2	±4.0%	±4.0%
D _{xyz}	Device Positioning	±1.0%	N	1	1	1	±1.0%	±1.0%
H	Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%
MOD	DUT Modulation ^m	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
TAS	Time-average SAR	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
RF _{drift}	DUT drift	±2.5%	N	1	1	1	±2.5%	±2.5%
VAL	Val Antenna Unc. ^{val}	±0.0%	N	1	1	1	±0.0%	±0.0%
RF _{in}	Unc.Input Power ^{val}	±0.0%	N	1	1	1	±0.0%	±0.0%
Correction to the SAR results								
C(ϵ, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
C(R)	SAR scaling ^p	±0.0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%
u(Δ SAR)	Combined Uncertainty						±11.6%	±11.6%
U	Expanded Uncertainty						±23.3%	±23.1%

13.2 Measurement uncertainty evaluation for system check

The following table includes the uncertainty table of the IEEE 1528. The values are determined by SPEAG. The breakdown of the individual uncertainties is as follows:

Uncertainty For System Performance Check								
Uncertainty Component	Tol. (±%)	Prob. Dist.	Div.	C _i 1g	C _i 10g	1g U _i (±%)	10g U _i (±%)	V _i
measurement system								
Probe Calibration	6.7	N	1	1	1	6.70	6.70	∞
Axial Isotropy	4.7	R	$\sqrt{3}$	0.7	0.7	1.90	1.90	∞
Hemispherical Isotropy	9.6	R	$\sqrt{3}$	0.7	0.7	3.88	3.88	∞
Boundary Effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
system detection Limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	N	1	1	1	0.00	0.00	∞
Readout Electronics	0.3	N	1	1	1	0.30	0.30	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
RF ambient Conditions - Noise	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
RF ambient Conditions – Reflections	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Probe positioned Mechanical Tolerance	0.8	R	$\sqrt{3}$	1	1	0.46	0.46	∞
Probe positioning with respect to Phantom Shell	6.7	R	$\sqrt{3}$	1	1	3.87	3.87	∞
Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Dipole								
Deviation of experimental source from numerical source	5.5	N	1	1	1	3.18	3.18	∞
Input power and SAR drift measurement	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Dipole axis to liquid Distance	3.4	R	$\sqrt{3}$	1	1	1.96	1.96	∞
Phantom and Tissue Parameters								
Phantom Uncertainty (shape and thickness tolerances)	4.0	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviation (in permittivity and conductivity)	2	N	1	1	0.84	2.0	1.68	∞
Liquid conductivity (meas.)	2.5	N	1	0.78	0.71	1.13	1.03	5
Liquid conductivity (target.)	5	R	$\sqrt{3}$	0.78	0.71	3.90	3.55	5
Liquid Permittivity (meas.)	2.5	N	1	0.23	0.26	0.33	0.38	∞
Liquid Permittivity (target.)	5	R	$\sqrt{3}$	0.23	0.26	1.15	1.30	∞
Combined Standard Uncertainty		Rss				11.29	11.18	
Expanded Uncertainty (95% Confidence interval)		k				20.57	19.95	

Report No.: WSCT-ANAB-R&E250100001A-SAR SAR Evaluation Report

14 Test equipment and ancillaries used for tests

To simplify the identification of the test equipment and/or ancillaries which were used, the reporting of the relevant test cases only refer to the test item number as specified in the table below.

	Manufacturer	Device Type	Type(Model)	Serial number	calibration	
					Last Cal.	Due Date
☒	SPEAG	E-Field PROBE	EX3DV4	7895	2024-11-28	2025-11-27
☒	SPEAG	E-Field PROBE	EX3DV4	7391	2024-11-16	2025-11-15
☒	SPEAG	Validation Kits	D750V3	1151	2024-08-19	2027-08-18
☒	SPEAG	Validation Kits	D835V2	4d203	2024-08-20	2027-08-19
☒	SPEAG	Validation Kits	D1750V2	1143	2024-08-20	2027-08-19
☒	SPEAG	Validation Kits	D1900V2	5d211	2024-08-19	2027-08-18
☒	SPEAG	Validation Sources	D2550V2	1015	2024-08-16	2027-08-15
☒	SPEAG	Validation Sources	D3500V2	1164	2024-10-17	2027-10-16
☒	SPEAG	Validation Sources	D3700V2	1139	2024-10-17	2027-10-16
☒	SPEAG	Validation Sources	D3900V2	1106	2024-10-17	2027-10-16
☒	SPEAG	Validation Sources	D4600V2	1097	2024-10-17	2027-10-16
☒	SPEAG	Validation Sources	D4900V2	1093	2024-10-08	2027-10-07
☒	SPEAG	Validation Sources	D5GHzV2	1412	2024-10-17	2027-10-16
☒	SPEAG	Validation Sources	D6.5GHzV2	1116	2024-10-14	2027-10-13
☒	SPEAG	DAE	DAE4	1495	2024-07-24	2025-07-23
☒	SPEAG	DAE	DAE4ip	1872	2024-10-18	2025-10-17
☒	SPEAG	Dielectric parameter probes	DAK-3.5	1363	2024-11-05	2025-11-04
☒	R & S	Universal Radio Communication Tester	CMU 200	119733	2024-10-21	2025-10-20
☒	R & S	Universal Radio Communication Tester	CMW500	144459	2024-10-21	2025-10-20
☒	R & S	UXM5G Wireless Test Platform	E7515B	MY60192341	2024-10-21	2025-10-20
☒	HP	Network Analyser	8753D	3410A08889	2024-10-21	2025-10-20
☒	HP	Signal Generator	E4421B	GB39340770	2024-10-28	2025-10-27
☒	Keithley	Multimeter	Keithley 2000	4014539	2024-10-28	2025-10-27
☒	SATIMO	Amplifier	Power Amplifier	MODU-023-A-0004	2024-10-21	2025-10-20
☒	Agilent	Power Meter	E4418B	GB43312909	2024-10-21	2025-10-20
☒	Agilent	Power Meter Sensor	E4412A	MY41500046	2024-10-21	2025-10-20

Annex A: System performance verification

(Please See the SAR Measurement Plots of annex A.)

Annex B: Measurement results

(Please See the SAR Measurement Plots of annex B.)

Annex C: Calibration reports

(Please See the Calibration reports of annex C.)

Annex D: Photographs

(Please see attached test setup photos.)

Annex A: System Check
Tested Model : X6873
Report Number: WSCT-ANAB-R&E250100001A-SAR

Measurement Report for Device, , , UID 0 -, Channel 0 (750.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	750.000, 0	9.16	0.885	43.9

Hardware Setup

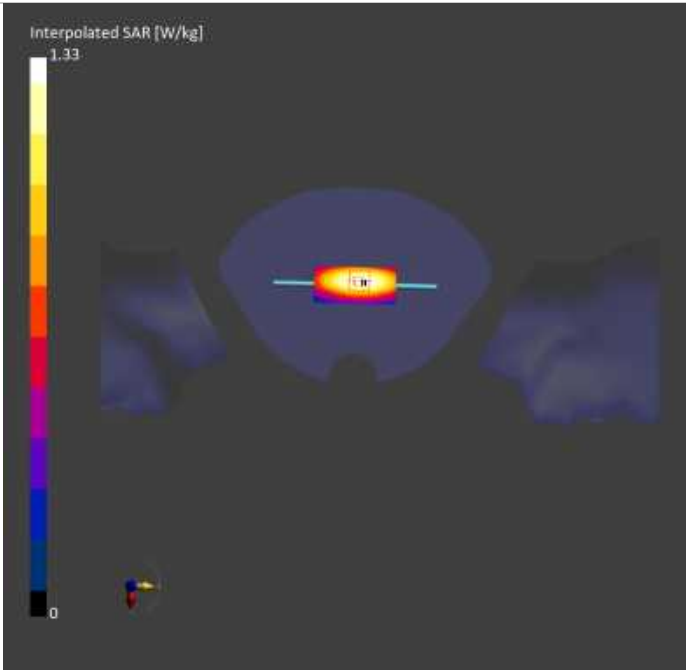
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 19:44	2025-01-10, 19:49
psSAR1g [W/kg]	0.853	0.858
psSAR10g [W/kg]	0.573	0.570
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.4
Dist 3dB Peak [mm]		22.1



Measurement Report for Device, , , UID 0 -, Channel 0 (835.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	835.000, 0	8.89	0.914	416

Hardware Setup

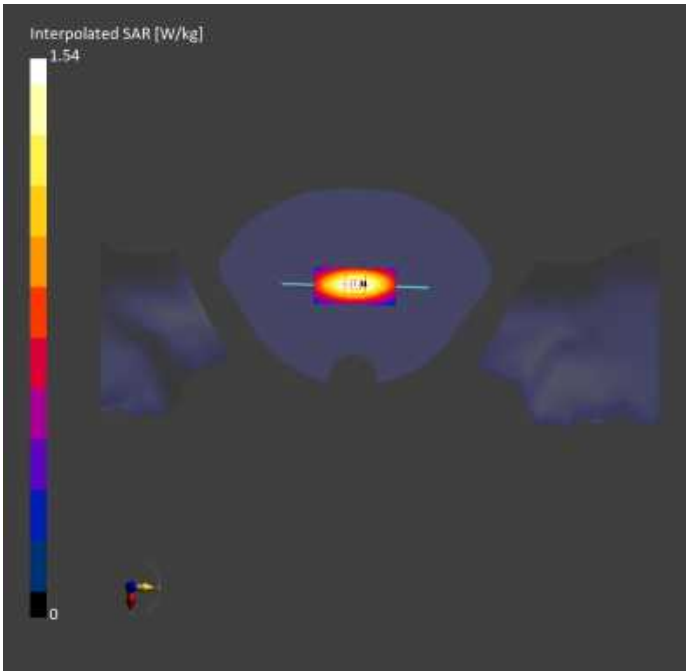
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 19:59	2025-01-10, 20:04
psSAR1g [W/kg]	0.993	0.994
psSAR10g [W/kg]	0.653	0.655
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.2
Dist 3dB Peak [mm]		16.4



Measurement Report for Device, , , UID 0 -, Channel 0 (1750.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1750.000, 0	7.6	1.34	41.9

Hardware Setup

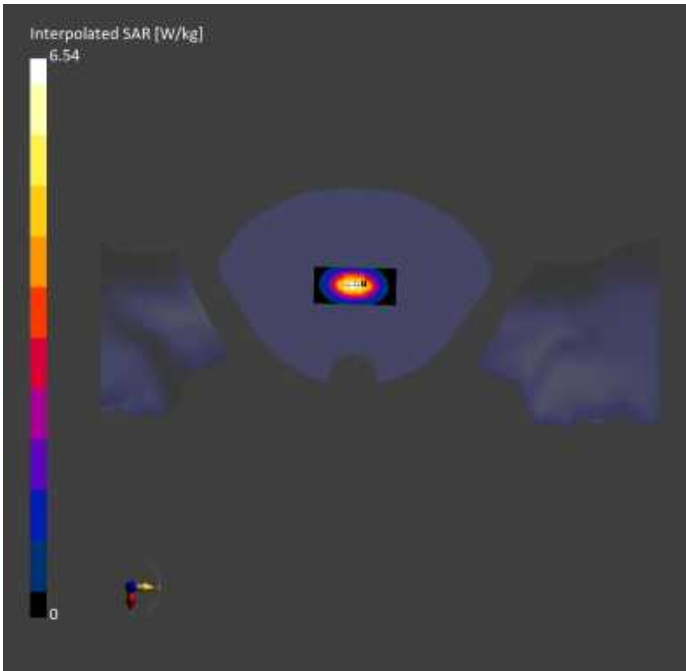
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 20:10	2025-01-10, 20:16
psSAR1g [W/kg]	3.62	3.62
psSAR10g [W/kg]	1.92	1.95
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.2
Dist 3dB Peak [mm]		10.8



Measurement Report for Device, , , UID 0 -, Channel 0 (1900.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1900.000, 0	7.33	1.44	41.7

Hardware Setup

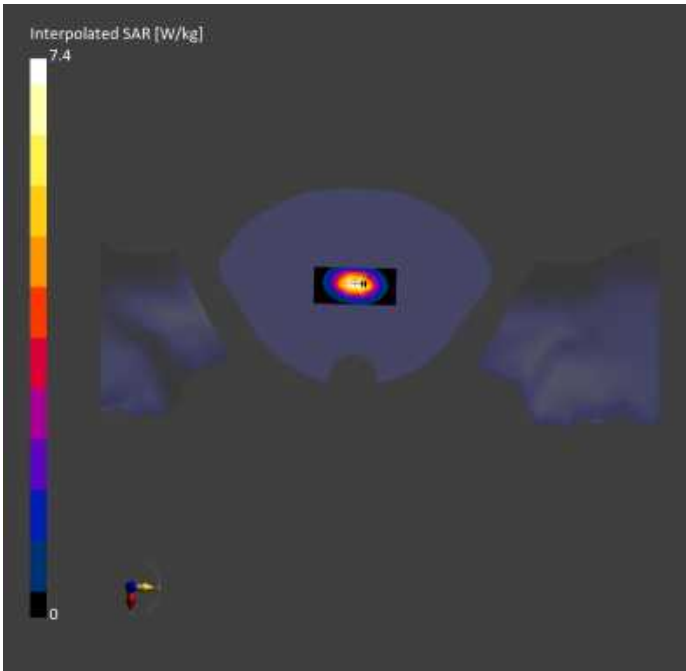
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 20:22	2025-01-10, 20:27
psSAR1g [W/kg]	4.01	4.04
psSAR10g [W/kg]	2.10	2.11
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.0
Dist 3dB Peak [mm]		9.6



Measurement Report for Device, , , UID 0 -, Channel 0 (2550.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2550.000, 0	6.94	1.90	40.8

Hardware Setup

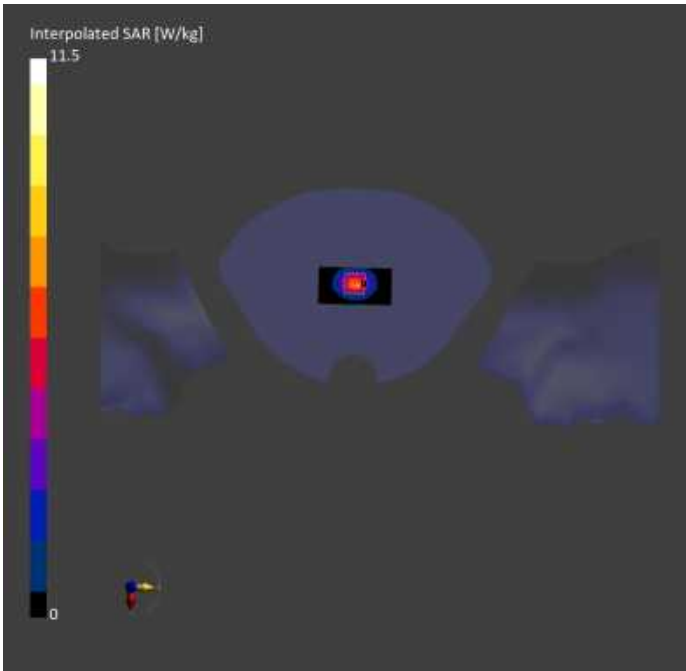
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 19:23	2025-01-10, 19:29
psSAR1g [W/kg]	5.48	5.58
psSAR10g [W/kg]	2.53	2.56
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.0



Measurement Report for Device, , , UID 0 -, Channel 0 (3400.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3400.000, 0	6.14	2.63	39.3

Hardware Setup

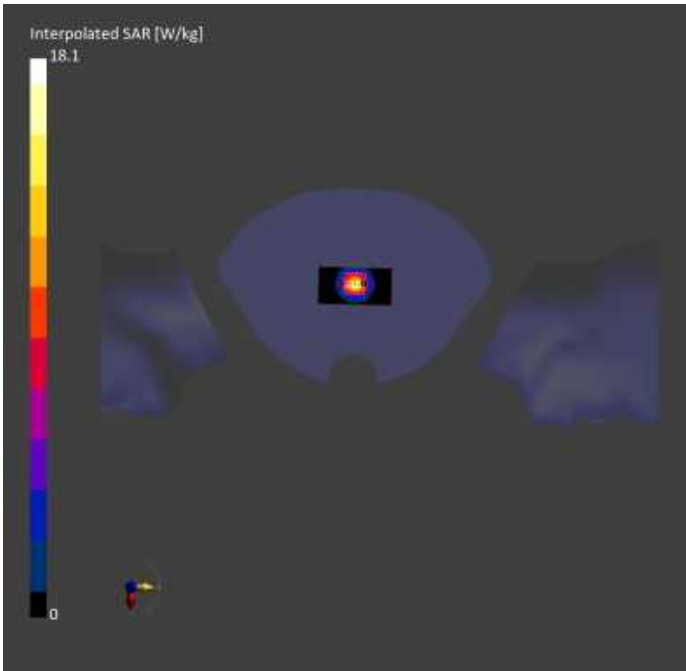
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 11:32	2025-01-10, 11:39
psSAR1g [W/kg]	7.11	7.25
psSAR10g [W/kg]	2.77	2.81
Power Drift [dB]	-0.07	0.25
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.2
Dist 3dB Peak [mm]		8.1



Measurement Report for Device, , , UID 0 -, Channel 0 (3500.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3500.000, 0	6.22	2.94	39.2

Hardware Setup

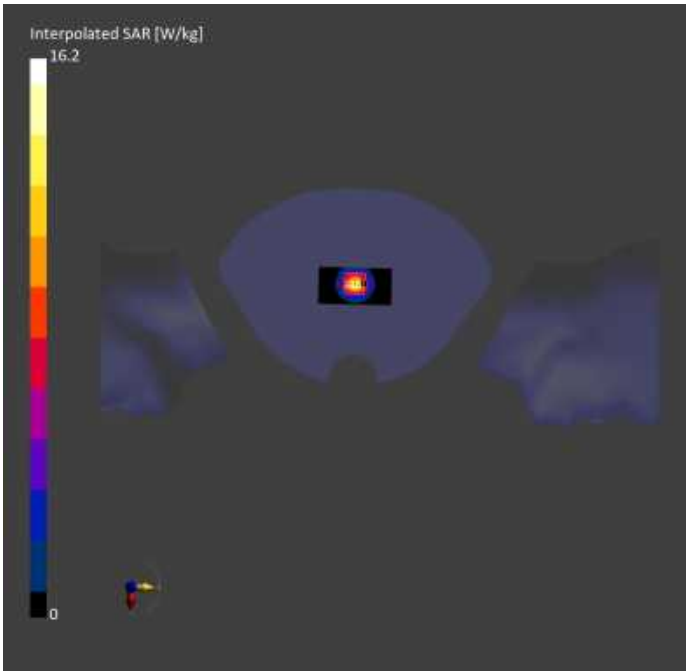
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 13:41	2025-01-10, 13:48
psSAR1g [W/kg]	6.11	6.28
psSAR10g [W/kg]	2.36	2.40
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.3
Dist 3dB Peak [mm]		8.1



Measurement Report for Device, , , UID 0 -, Channel 0 (3700.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3700.000, 0	6.24	2.90	38.9

Hardware Setup

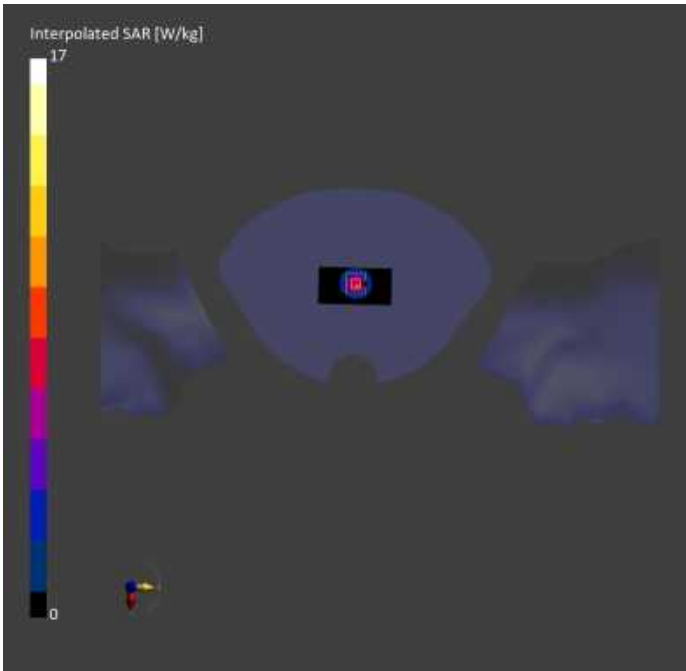
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 13:56	2025-01-10, 14:03
psSAR1g [W/kg]	6.09	6.37
psSAR10g [W/kg]	2.31	2.37
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.1
Dist 3dB Peak [mm]		8.0



Measurement Report for Device, , , UID 0 -, Channel 0 (3900.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3900.000, 0	6.11	3.10	38.6

Hardware Setup

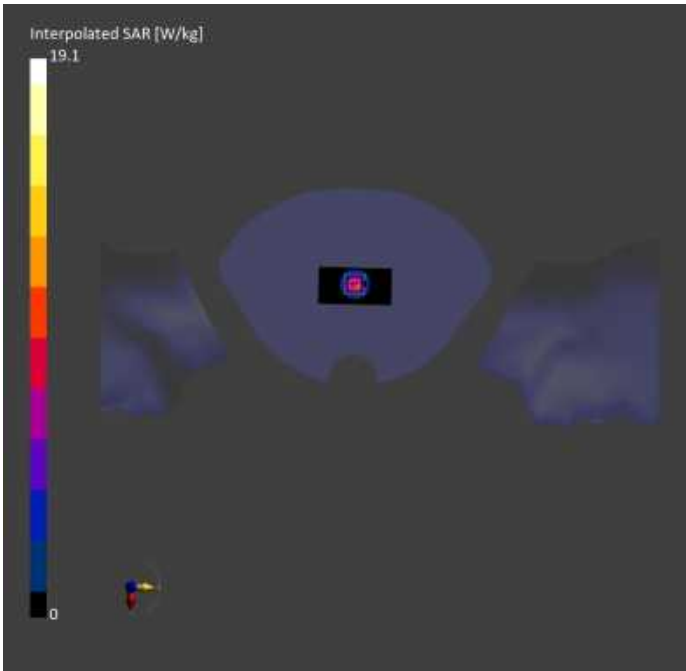
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 15:06	2025-01-10, 15:12
psSAR1g [W/kg]	6.61	6.74
psSAR10g [W/kg]	2.34	2.38
Power Drift [dB]	-0.05	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		72.9
Dist 3dB Peak [mm]		8.0



Measurement Report for Device, , , UID 0 -, Channel 0 (5200.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	5200.000, 0	5.34	4.54	36.3

Hardware Setup

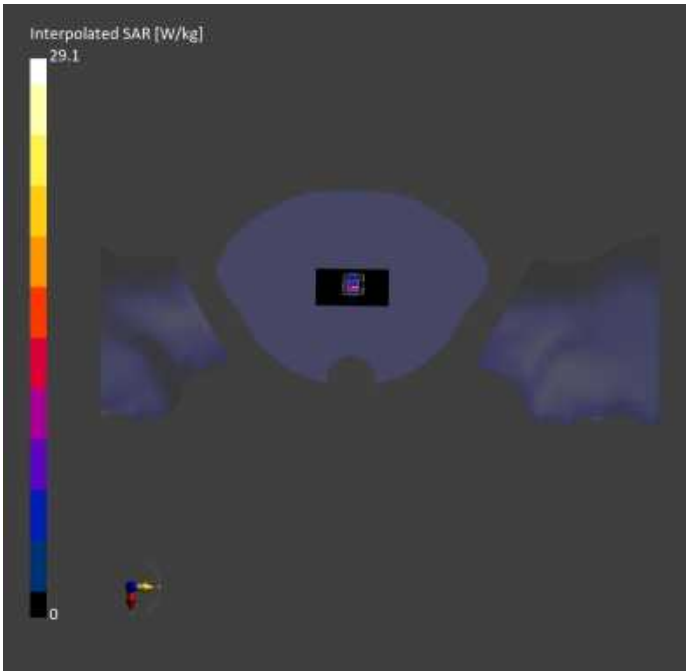
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 09:51	2025-01-10, 09:58
psSAR1g [W/kg]	6.41	7.17
psSAR10g [W/kg]	1.91	2.07
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.3
Dist 3dB Peak [mm]		7.2



Measurement Report for Device, , , UID 0 -, Channel 0 (5300.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	5300.000, 0	5.28	4.65	36.2

Hardware Setup

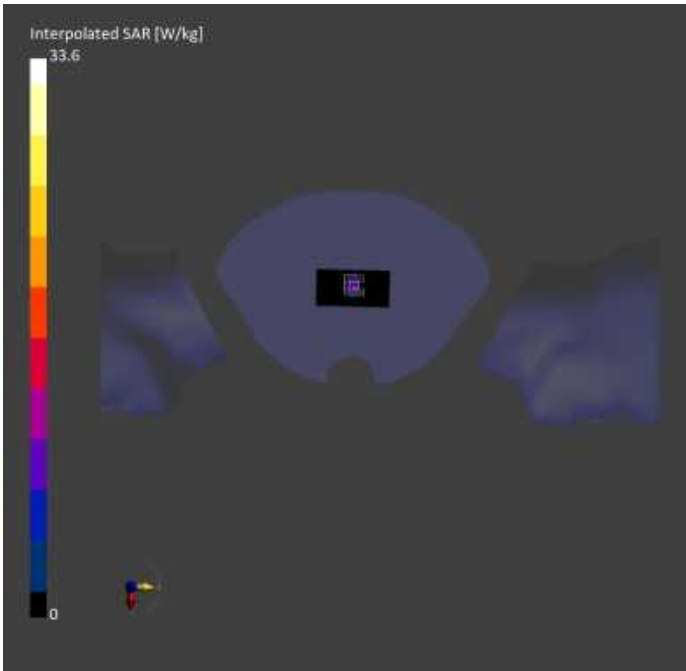
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 10:05	2025-01-10, 10:11
psSAR1g [W/kg]	7.15	8.08
psSAR10g [W/kg]	2.09	2.31
Power Drift [dB]	0.01	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.4
Dist 3dB Peak [mm]		7.2



Measurement Report for Device, , , UID 0 -, Channel 0 (5500.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	5500.000, 0	4.87	4.88	35.8

Hardware Setup

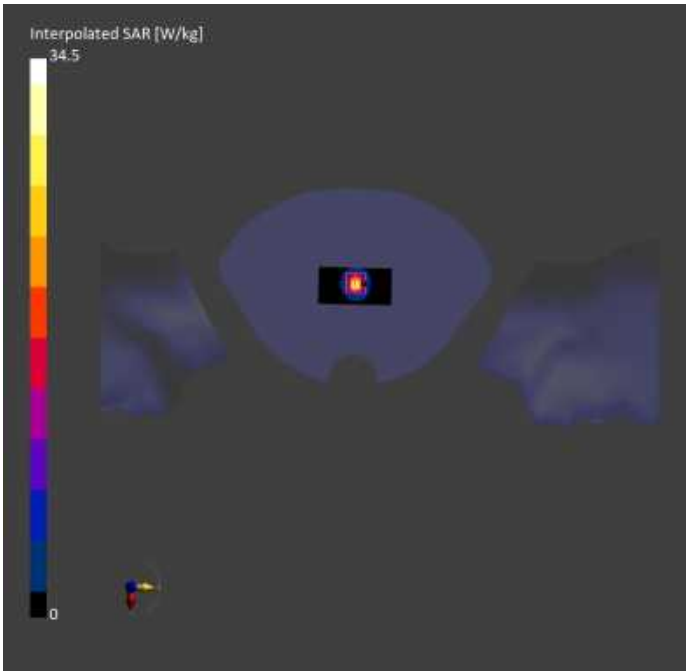
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 10:19	2025-01-10, 10:25
psSAR1g [W/kg]	6.98	7.90
psSAR10g [W/kg]	2.03	2.25
Power Drift [dB]	0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.5
Dist 3dB Peak [mm]		7.2



Measurement Report for Device, , , UID 0 -, Channel 0 (5600.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	5600.000, 0	4.87	5.00	35.6

Hardware Setup

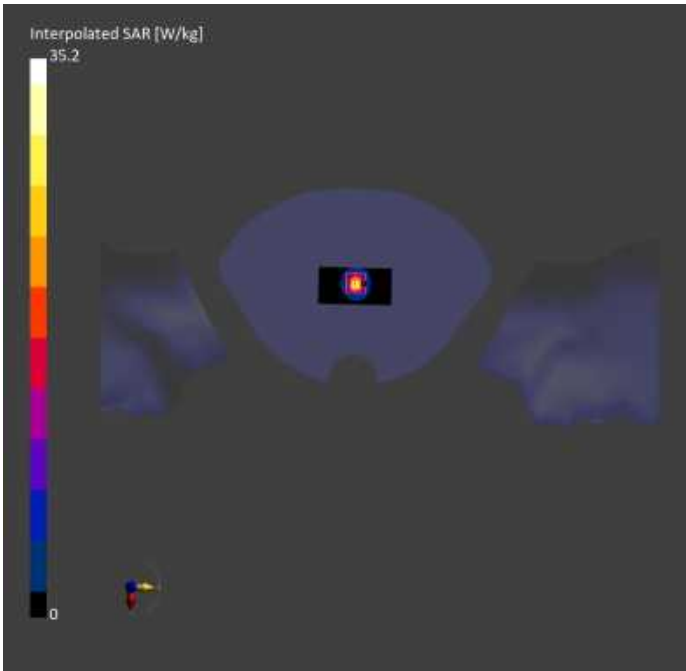
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 10:31	2025-01-10, 10:38
psSAR1g [W/kg]	7.00	7.87
psSAR10g [W/kg]	2.04	2.24
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.4
Dist 3dB Peak [mm]		7.2



Measurement Report for Device, , , UID 0 -, Channel 0 (5800.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	5800.000, 0	4.84	5.23	35.3

Hardware Setup

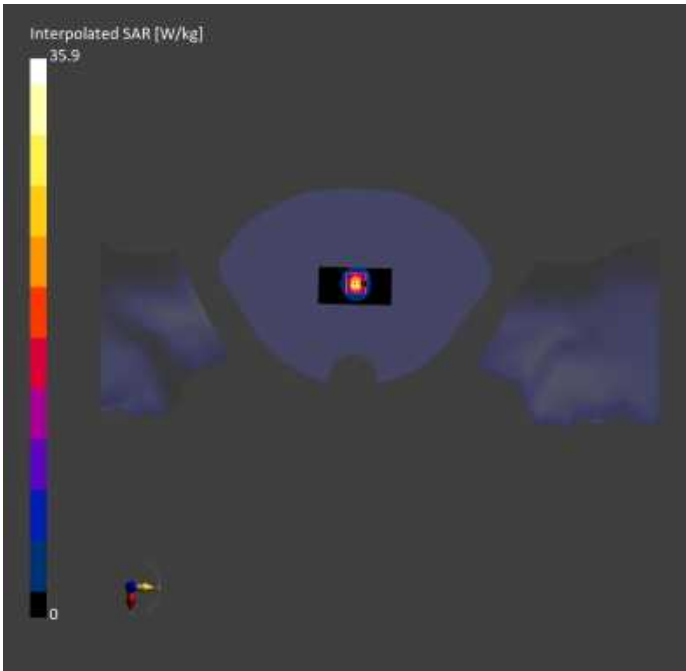
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-01-10, 10:47	2025-01-10, 10:53
psSAR1g [W/kg]	6.76	7.76
psSAR10g [W/kg]	2.00	2.20
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.9
Dist 3dB Peak [mm]		7.6



Annex B: Measurement Results
Tested Model : X6873
Report Number: WSCT-ANAB-R&E250100001A-SAR

Measurement Report for Device, CHEEK, GSM 850, Channel 190 (836.600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	GSM 850		836.600, 190	8.89	0.914	43.6

Hardware Setup

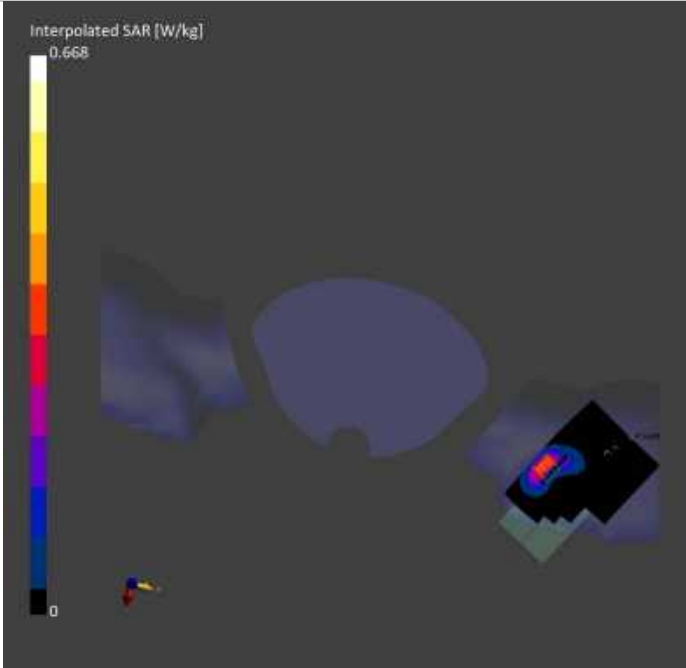
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-09, 21:39	2025-02-09, 21:57
psSAR1g [W/kg]	0.315	0.373
psSAR10g [W/kg]	0.195	0.210
Power Drift [dB]	-0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.4
Dist 3dB Peak [mm]		7.8



Measurement Report for Device, BACK, GSM 850, Channel 190 (836.600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	GSM 850		836.600, 190	8.89	0.914	43.6

Hardware Setup

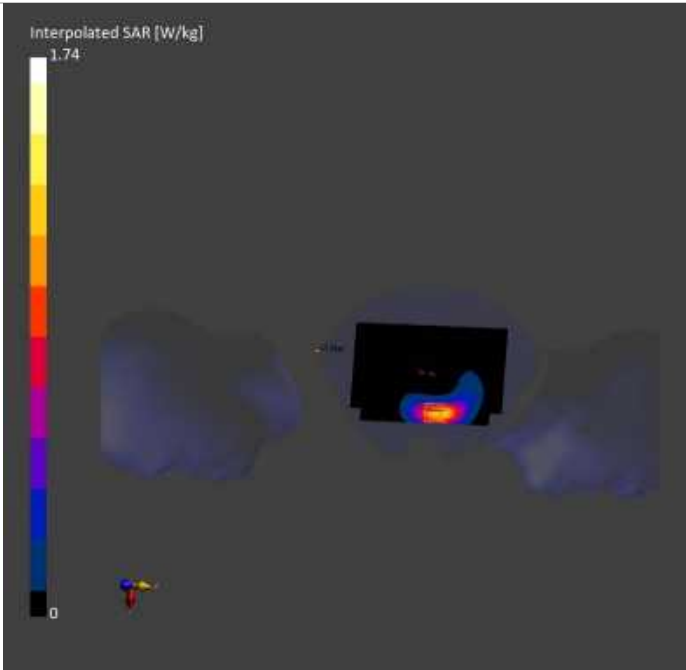
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-09, 21:16	2025-02-09, 21:22
psSAR1g [W/kg]	1.13	1.01
psSAR10g [W/kg]	0.696	0.609
Power Drift [dB]	-0.07	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.7
Dist 3dB Peak [mm]		9.6



Measurement Report for Device, TILT, PCS 1900, Channel 512 (1850.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	PCS 1900		1850.000, 512	7.33	1.42	41.7

Hardware Setup

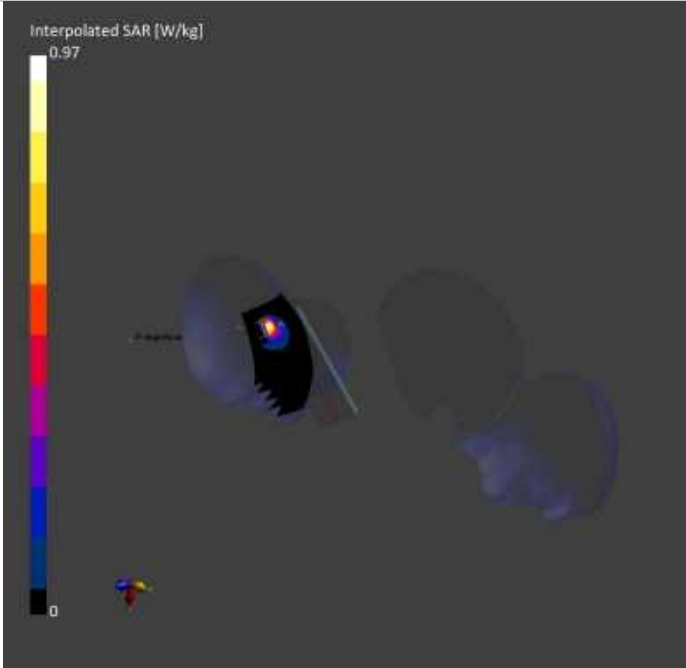
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-17, 22:11	2025-02-17, 22:26
psSAR1g [W/kg]	0.365	0.377
psSAR10g [W/kg]	0.181	0.162
Power Drift [dB]	0.04	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		73.4
Dist 3dB Peak [mm]		6.1



Measurement Report for Device, BACK, PCS 1900, Channel 512 (1850.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	PCS 1900		1850.000, 512	7.33	1.42	41.7

Hardware Setup

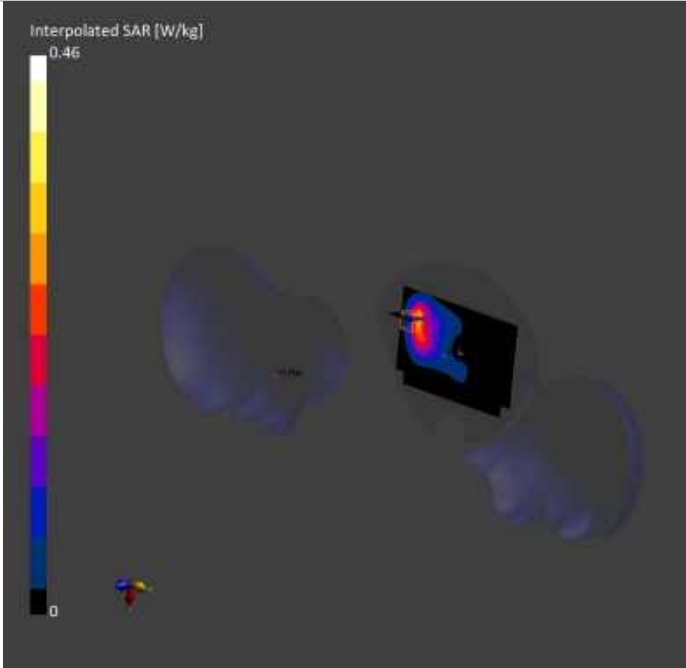
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-17, 22:38	2025-02-17, 22:48
psSAR1g [W/kg]	0.257	0.258
psSAR10g [W/kg]	0.145	0.144
Power Drift [dB]	0.09	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.1
Dist 3dB Peak [mm]		11.1



Measurement Report for Device, TILT, Band 2, Channel 9400 (1880.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 2		1880.000, 9400	7.33	1.42	41.7

Hardware Setup

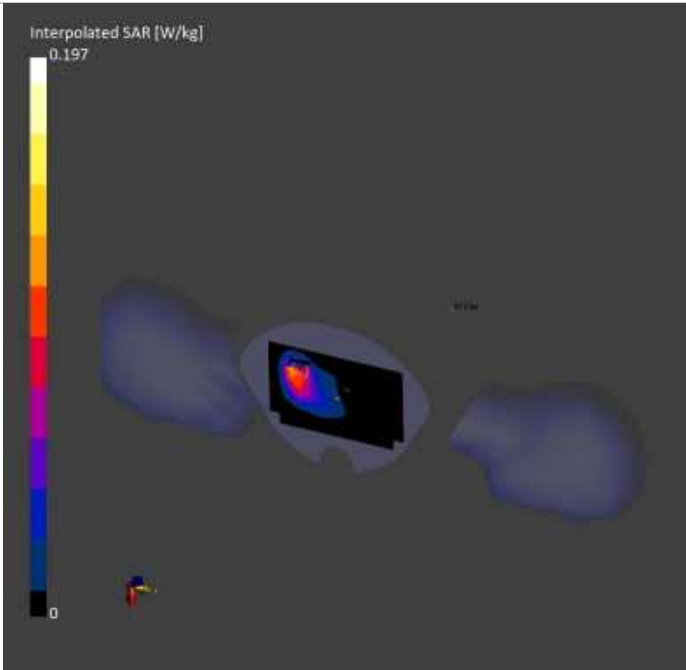
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-13, 23:45	2025-02-13, 23:55
psSAR1g [W/kg]	0.528	0.559
psSAR10g [W/kg]	0.265	0.241
Power Drift [dB]	-0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		72.4
Dist 3dB Peak [mm]		6.9



Measurement Report for Device, BACK, Band 2, Channel 9400 (1880.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 2		1880.000, 9400	7.33	1.42	41.7

Hardware Setup

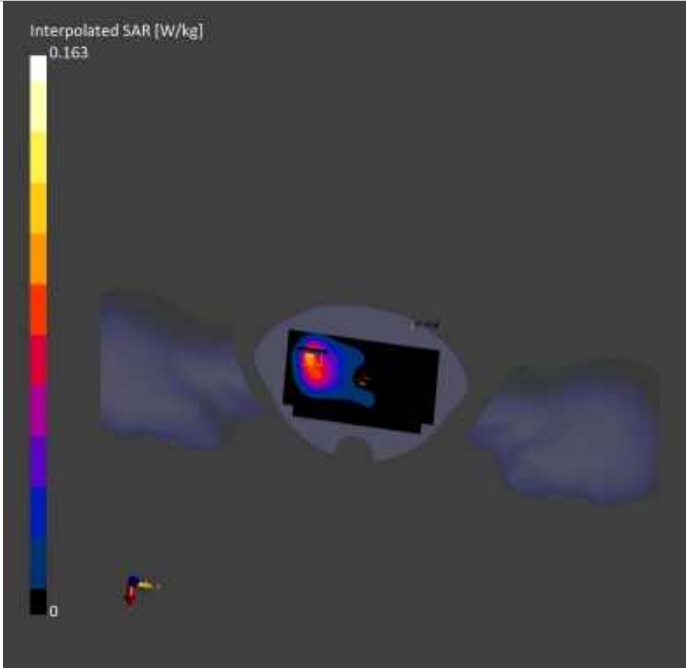
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-13, 23:24	2025-02-13, 23:35
psSAR1g [W/kg]	0.092	0.095
psSAR10g [W/kg]	0.051	0.052
Power Drift [dB]	-0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.7
Dist 3dB Peak [mm]		10.8



Measurement Report for Device, TILT, Band 4, Channel 1413 (1732.600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 4		1732.600, 1413	7.6	1.33	42.0

Hardware Setup

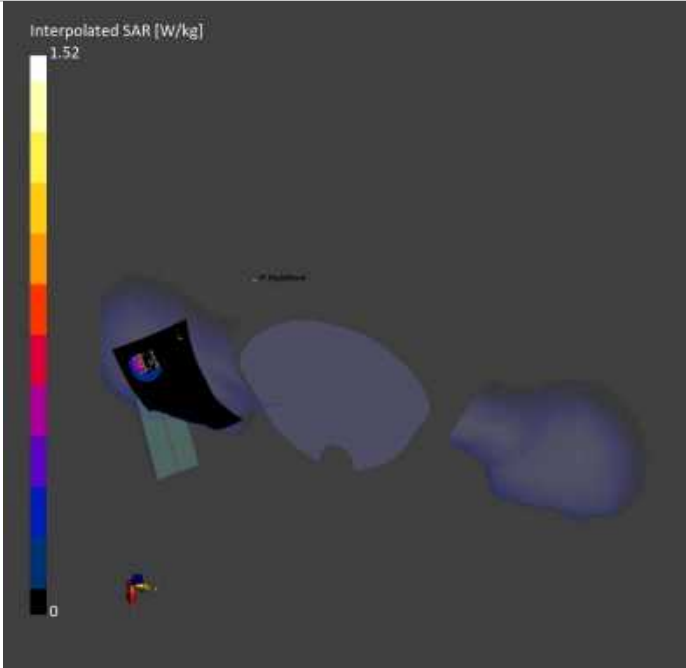
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-13, 00:05	2025-02-13, 00:15
psSAR1g [W/kg]	0.566	0.588
psSAR10g [W/kg]	0.292	0.262
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.6
Dist 3dB Peak [mm]		6.1



Measurement Report for Device, BACK, Band 4, Channel 1413 (1732.600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Distance [mm]	Test Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 4		1732.600, 1413	7.6	1.33	42.0

Hardware Setup

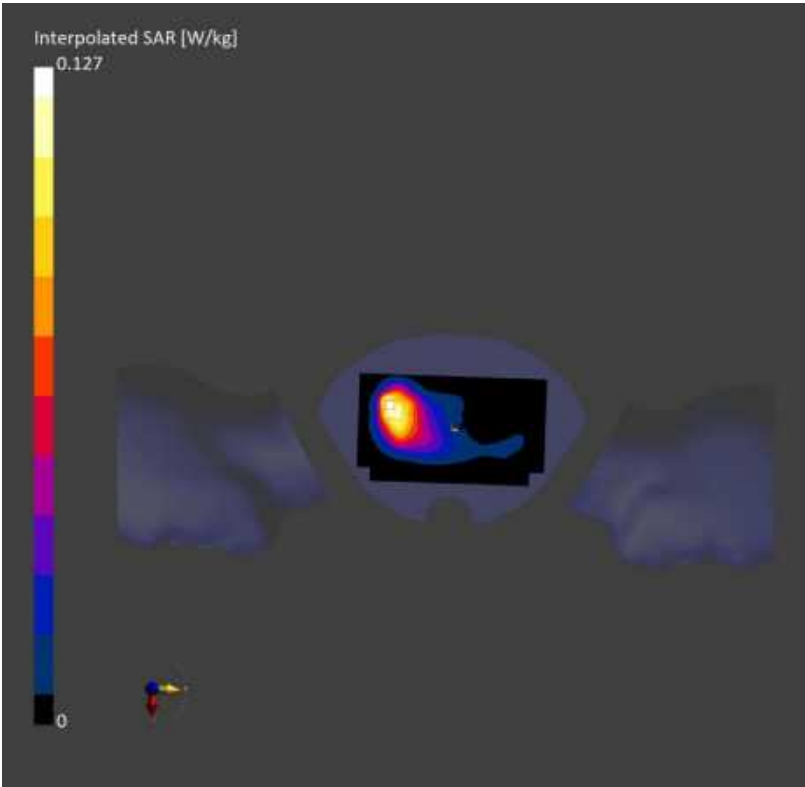
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-13, 00:05	2025-02-13, 00:15
psSAR1g [W/kg]	0.104	0.114
psSAR10g [W/kg]	0.062	0.064
Power Drift [dB]	-0.02	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.1
Dist 3dB Peak [mm]		10.8



Measurement Report for Device, CHEEK, Band 5, Channel 4183 (836.600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 5		836.600, 4183	8.89	0.914	43.6

Hardware Setup

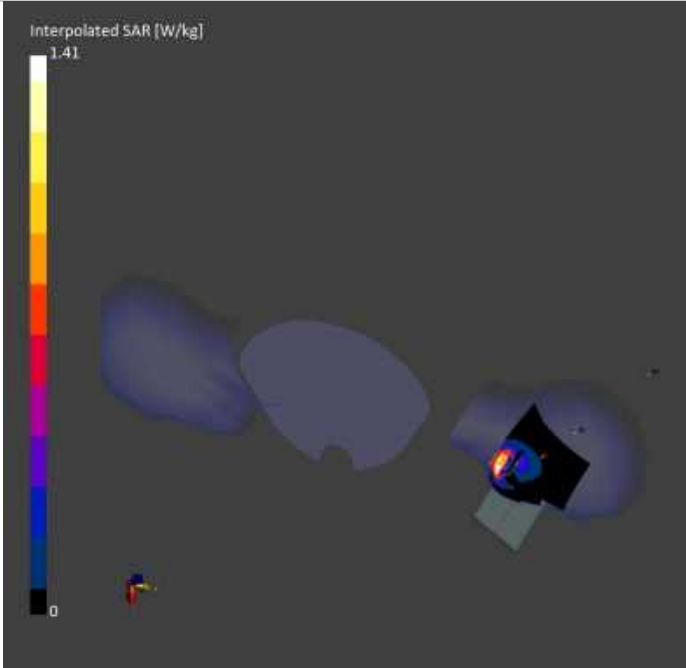
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-09, 09:07	2025-02-09, 09:33
psSAR1g [W/kg]	0.832	0.797
psSAR10g [W/kg]	0.502	0.447
Power Drift [dB]	-0.07	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.7
Dist 3dB Peak [mm]		7.7



Measurement Report for Device, BACK, Band 5, Channel 4183 (836.600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 5		836.600, 4183	8.89	0.914	43.6

Hardware Setup

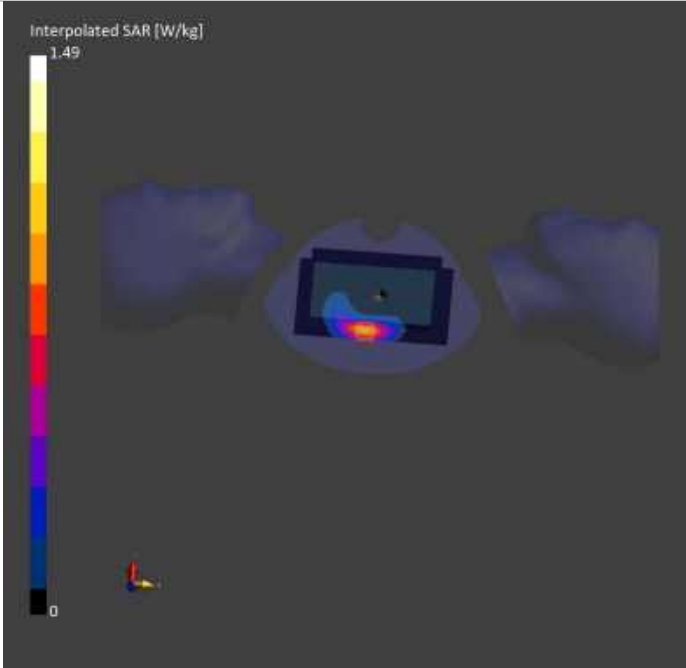
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-09, 10:05	2025-02-09, 10:12
psSAR1g [W/kg]	0.888	0.877
psSAR10g [W/kg]	0.550	0.528
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.6
Dist 3dB Peak [mm]		9.6



Measurement Report for Device, TILT, Band 2, Channel 19125 (1902.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 2		1902.500, 19125	7.33	1.42	41.7

Hardware Setup

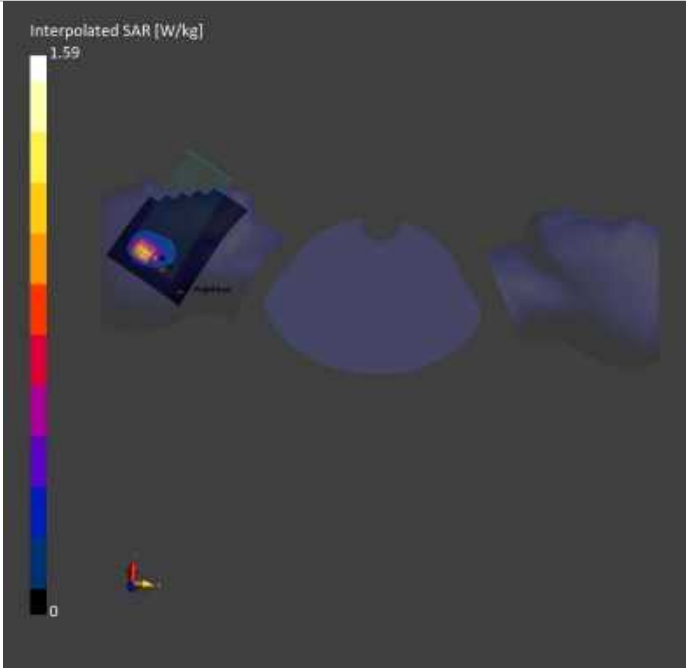
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-17, 00:43	2025-02-17, 00:54
psSAR1g [W/kg]	0.576	0.597
psSAR10g [W/kg]	0.279	0.253
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		72.8
Dist 3dB Peak [mm]		6.2



Measurement Report for Device, BACK, Band 2, Channel 19125 (1902.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 2		1902.500, 19125	7.33	1.42	41.7

Hardware Setup

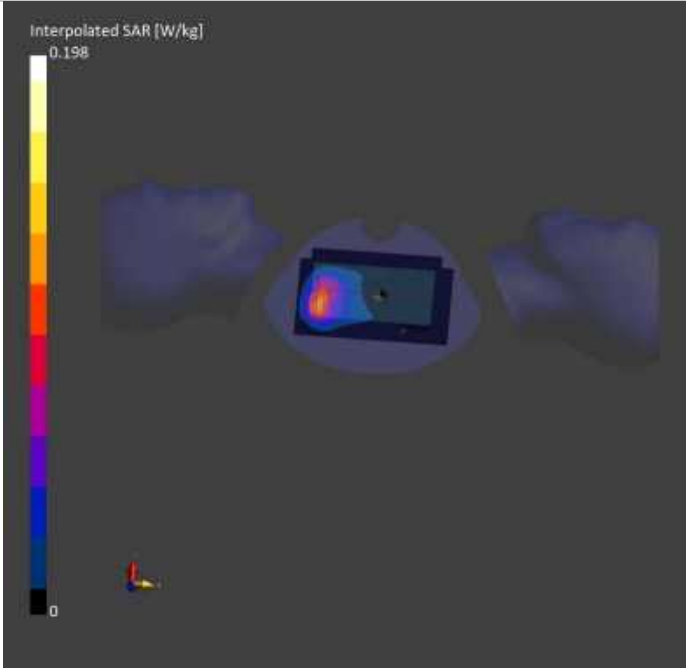
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-17, 02:21	2025-02-17, 02:31
psSAR1g [W/kg]	0.102	0.111
psSAR10g [W/kg]	0.059	0.062
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.8
Dist 3dB Peak [mm]		9.9



Measurement Report for Device, TILT, Band 4, Channel 20325 (1747.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 4		1747.500, 20325	7.6	1.33	42.0

Hardware Setup

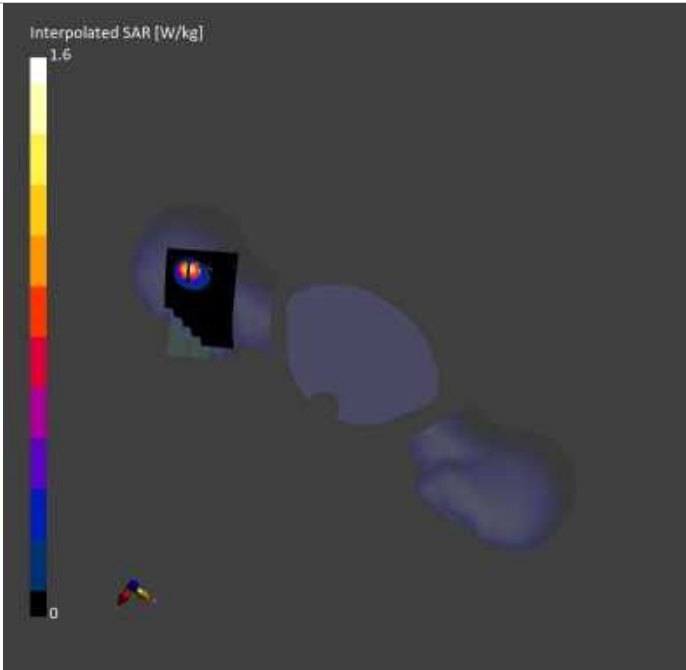
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-13, 01:03	2025-02-13, 01:17
psSAR1g [W/kg]	0.645	0.656
psSAR10g [W/kg]	0.326	0.290
Power Drift [dB]	-0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		6.5



Measurement Report for Device, BACK, Band 4, Channel 20325 (1747.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 4		1747.500, 20325	7.6	1.33	42.0

Hardware Setup

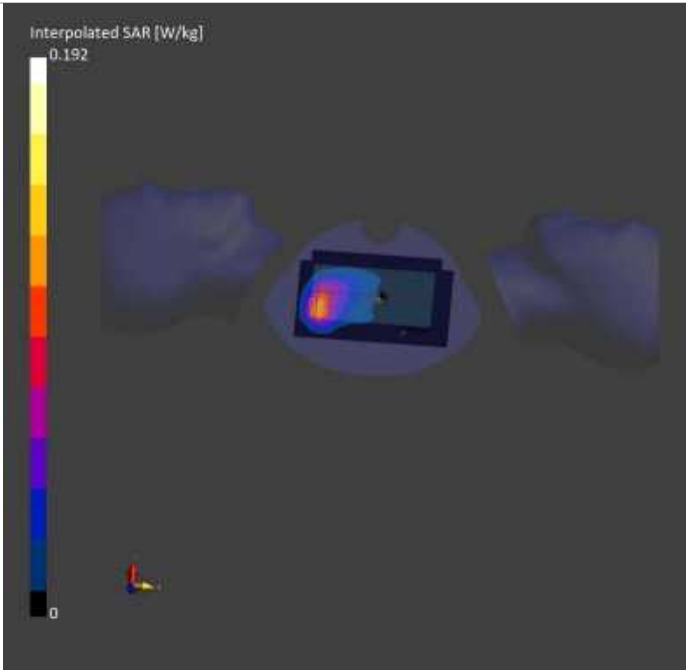
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-13, 02:05	2025-02-13, 02:15
psSAR1g [W/kg]	0.105	0.110
psSAR10g [W/kg]	0.062	0.063
Power Drift [dB]	-0.09	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.4
Dist 3dB Peak [mm]		10.3



Measurement Report for Device, BACK, Band 5, Channel 20425 (826.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 5		826.500, 20425	8.89	0.914	43.6

Hardware Setup

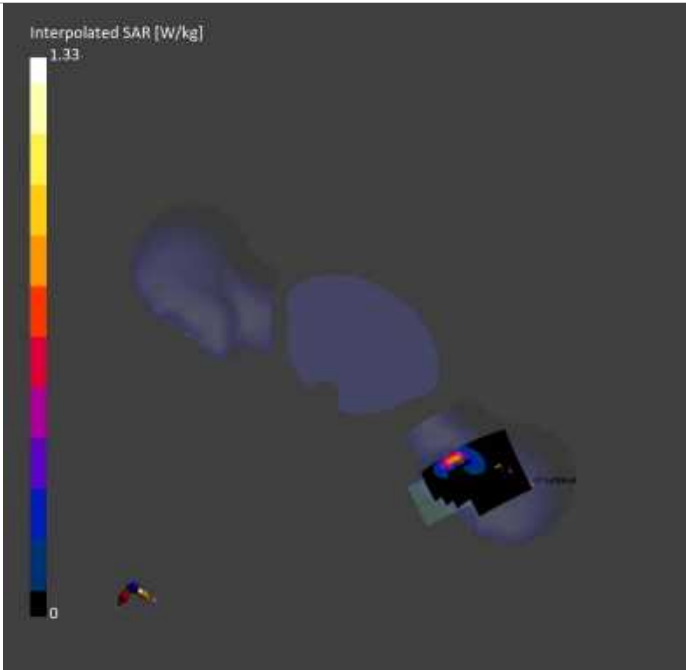
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-09, 17:34	2025-02-09, 17:51
psSAR1g [W/kg]	0.680	0.686
psSAR10g [W/kg]	0.408	0.378
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.0
Dist 3dB Peak [mm]		6.9



Measurement Report for Device, BACK, Band 5, Channel 20425 (826.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 5		826.500, 20425	8.89	0.914	43.6

Hardware Setup

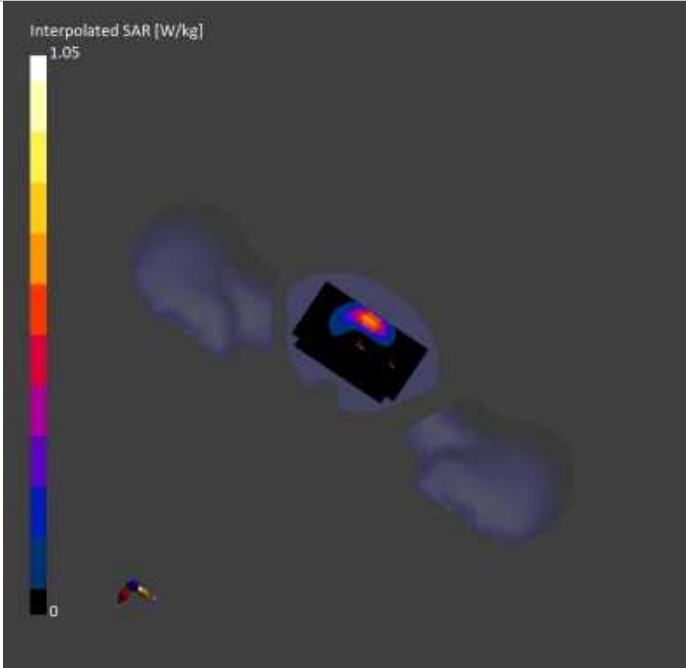
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-09, 17:14	2025-02-09, 17:21
psSAR1g [W/kg]	0.589	0.616
psSAR10g [W/kg]	0.371	0.373
Power Drift [dB]	-0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.0
Dist 3dB Peak [mm]		9.6



Measurement Report for Device, TILT, Band 7, Channel 21425 (2567.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 7		2567.500, 21425	6.94	1.89	40.8

Hardware Setup

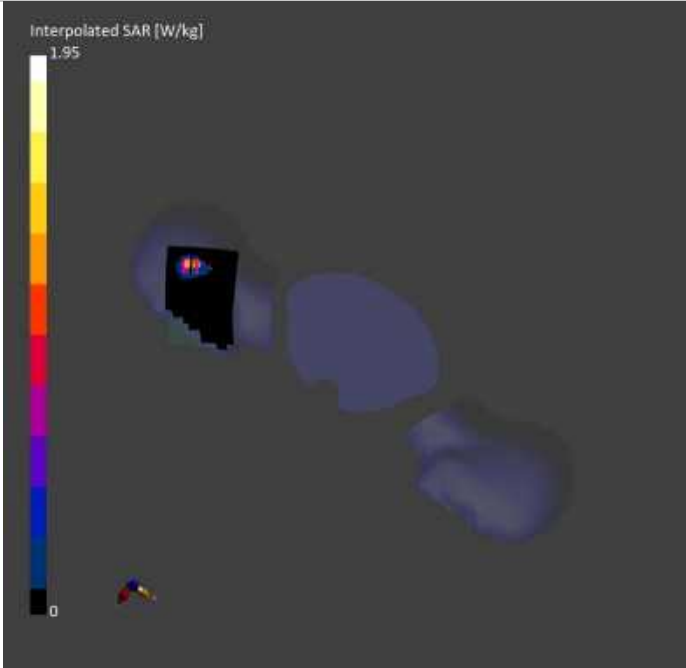
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-25, 01:30	2025-02-25, 01:39
psSAR1g [W/kg]	0.690	0.711
psSAR10g [W/kg]	0.284	0.270
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		73.2
Dist 3dB Peak [mm]		6.1



Measurement Report for Device, TILT, Band 7, Channel 21425 (2567.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 7		2567.500, 21425	6.94	1.89	40.8

Hardware Setup

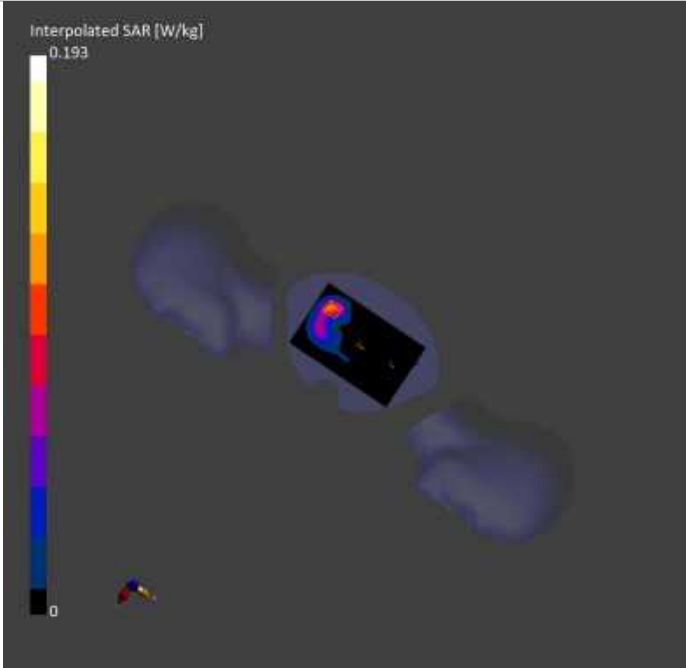
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-25, 01:49	2025-02-25, 01:57
psSAR1g [W/kg]	0.094	0.095
psSAR10g [W/kg]	0.049	0.047
Power Drift [dB]	-0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.9
Dist 3dB Peak [mm]		10.7



Measurement Report for Device, BACK, Band 12, Channel 23130 (711.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 12		711.000, 23130	9.16	0.871	44.0

Hardware Setup

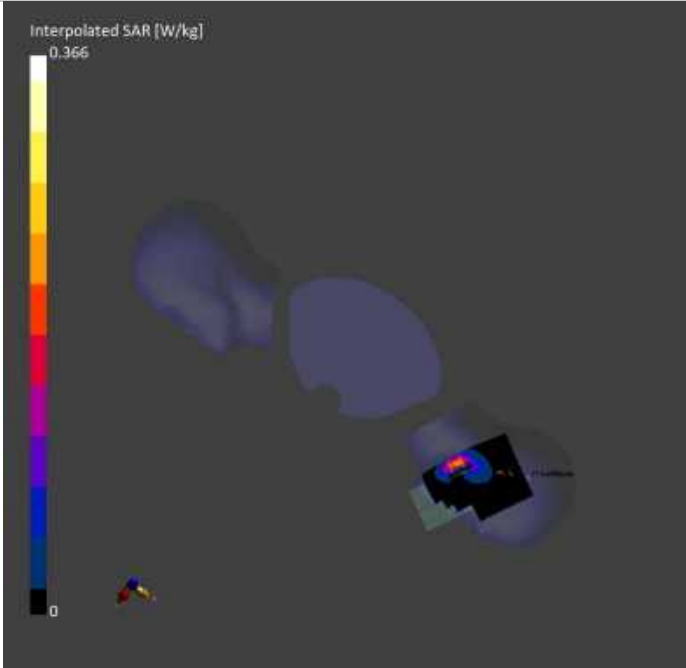
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-05, 22:55	2025-02-05, 23:13
psSAR1g [W/kg]	0.186	0.187
psSAR10g [W/kg]	0.113	0.103
Power Drift [dB]	-0.04	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.9
Dist 3dB Peak [mm]		6.9



Measurement Report for Device, BACK, Band 12, Channel 23130 (711.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 12		711.000, 23130	9.16	0.871	44.0

Hardware Setup

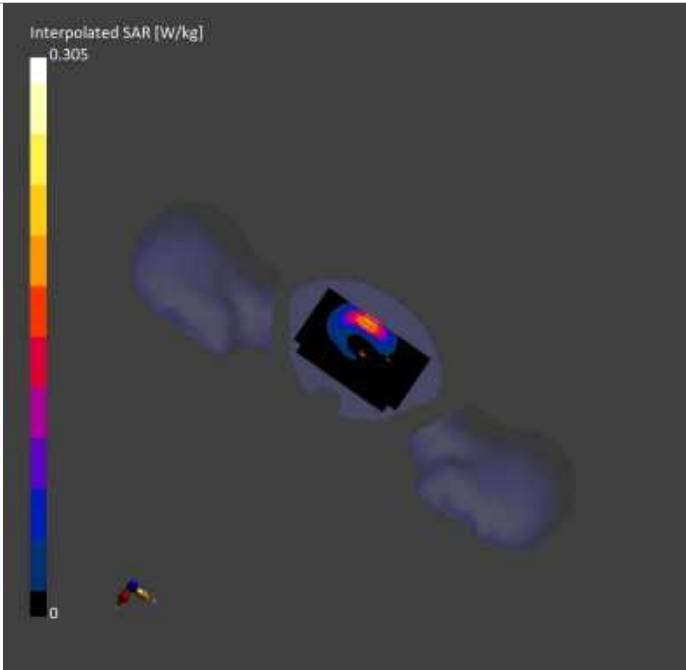
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-05, 22:14	2025-02-05, 22:20
psSAR1g [W/kg]	0.180	0.180
psSAR10g [W/kg]	0.115	0.111
Power Drift [dB]	-0.01	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.2
Dist 3dB Peak [mm]		9.9



Measurement Report for Device, CHEEK, Band 17, Channel 23825 (713.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 17		713.500, 23825	9.16	0.872	44.0

Hardware Setup

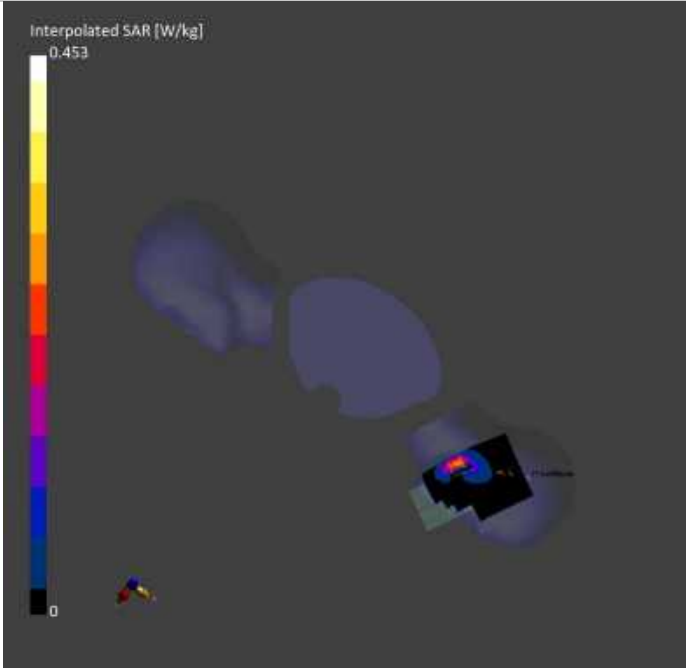
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-05, 09:12	2025-02-05, 09:29
psSAR1g [W/kg]	0.229	0.232
psSAR10g [W/kg]	0.139	0.127
Power Drift [dB]	-0.05	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.9
Dist 3dB Peak [mm]		7.0



Measurement Report for Device, BACK, Band 17, Channel 23825 (713.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 17		713.500, 23825	9.16	0.872	44.0

Hardware Setup

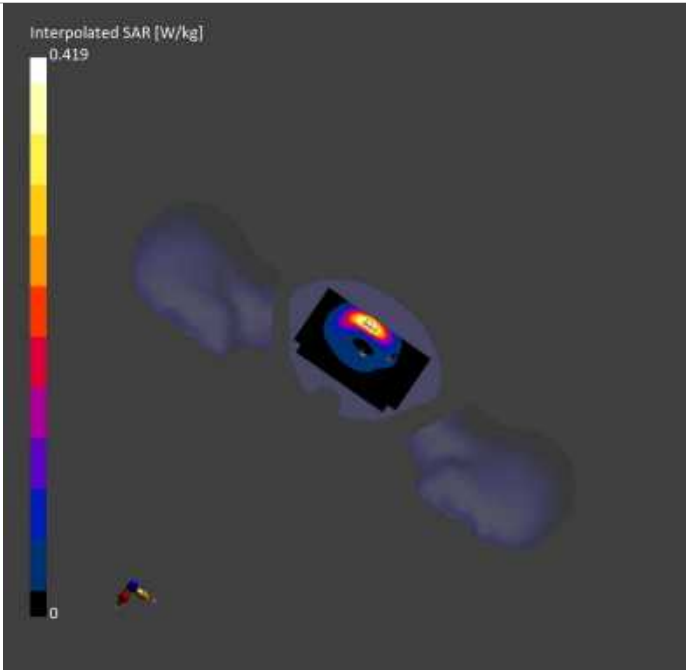
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-05, 10:06	2025-02-05, 10:13
psSAR1g [W/kg]	0.248	0.245
psSAR10g [W/kg]	0.157	0.150
Power Drift [dB]	-0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		9.6



Measurement Report for Device, TILT, Band 38, Channel 38175 (2612.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 38		2612.500, 38175	6.94	1.94	40.8

Hardware Setup

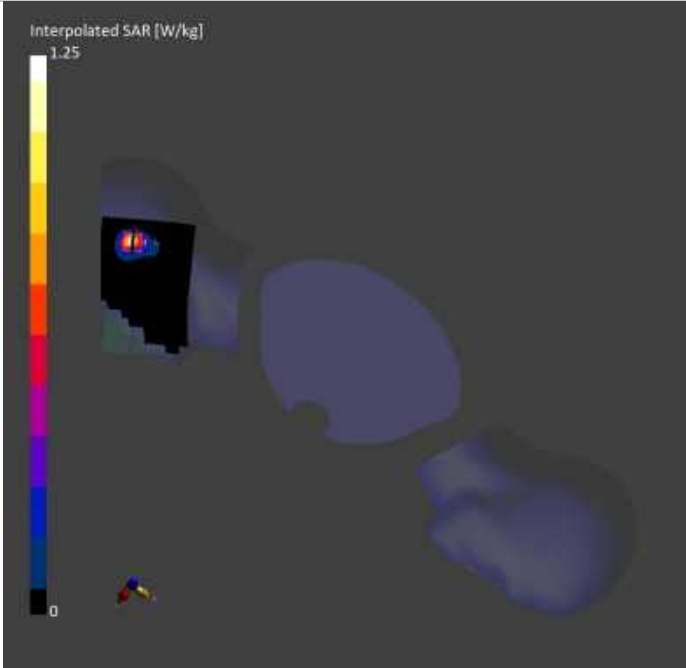
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 09:37	2025-02-28, 09:46
psSAR1g [W/kg]	0.408	0.452
psSAR10g [W/kg]	0.170	0.168
Power Drift [dB]	0.06	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		72.7
Dist 3dB Peak [mm]		6.4



Measurement Report for Device, TILT, Band 38, Channel 38175 (2612.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 38		2612.500, 38175	6.94	1.94	40.8

Hardware Setup

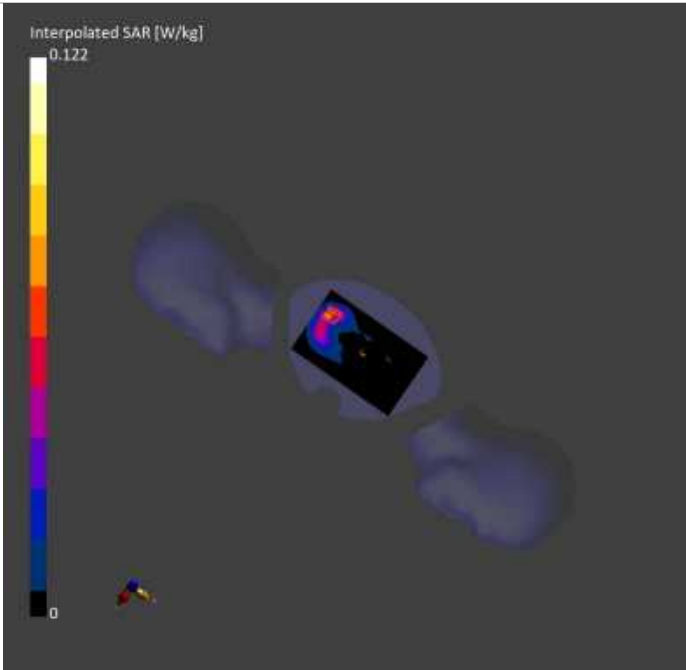
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 09:14	2025-02-28, 09:21
psSAR1g [W/kg]	0.059	0.059
psSAR10g [W/kg]	0.030	0.028
Power Drift [dB]	-0.05	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.9
Dist 3dB Peak [mm]		10.5



Measurement Report for Device, TILT, Band 41, Channel 41055 (2636.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 41		2636.500, 41055	6.94	1.97	40.7

Hardware Setup

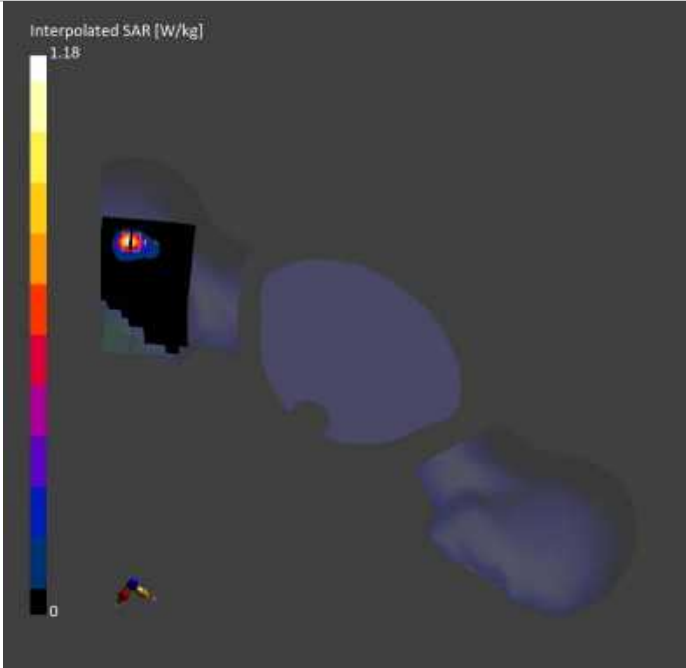
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 11:37	2025-02-28, 11:46
psSAR1g [W/kg]	0.343	0.425
psSAR10g [W/kg]	0.143	0.156
Power Drift [dB]	-0.19	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		72.8
Dist 3dB Peak [mm]		6.1



Measurement Report for Device, BACK, Band 41, Channel 41055 (2636.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 41		2636.500, 41055	6.94	1.97	40.7

Hardware Setup

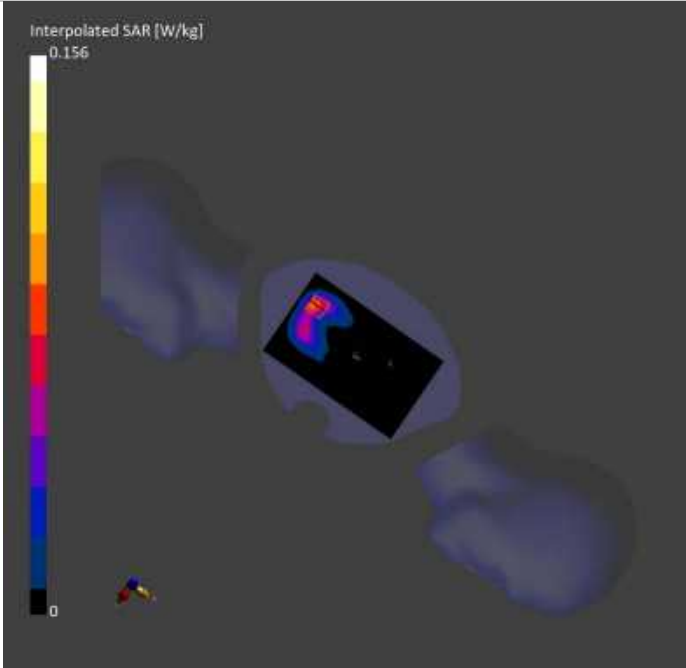
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 11:15	2025-02-28, 11:23
psSAR1g [W/kg]	0.071	0.072
psSAR10g [W/kg]	0.035	0.033
Power Drift [dB]	0.99	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.9
Dist 3dB Peak [mm]		9.0



Measurement Report for Device, BACK, Band 42, Channel 42140 (3455.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 42		3455.000, 42140	6.22	2.72	39.2

Hardware Setup

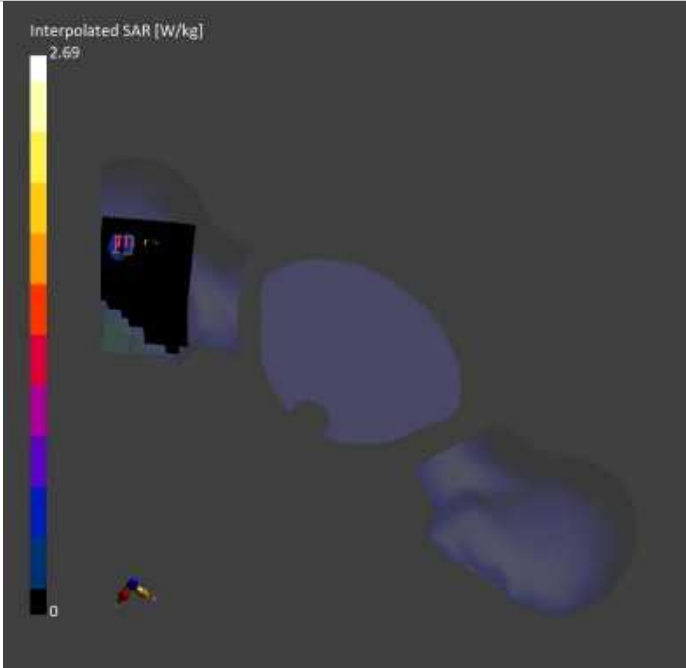
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-07, 09:16	2025-03-07, 09:25
psSAR1g [W/kg]	0.864	0.881
psSAR10g [W/kg]	0.315	0.307
Power Drift [dB]	-0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.6
Dist 3dB Peak [mm]		6.1



Measurement Report for Device, BACK, Band 42, Channel 42140 (3455.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 42		3455.000, 42140	6.22	2.72	39.2

Hardware Setup

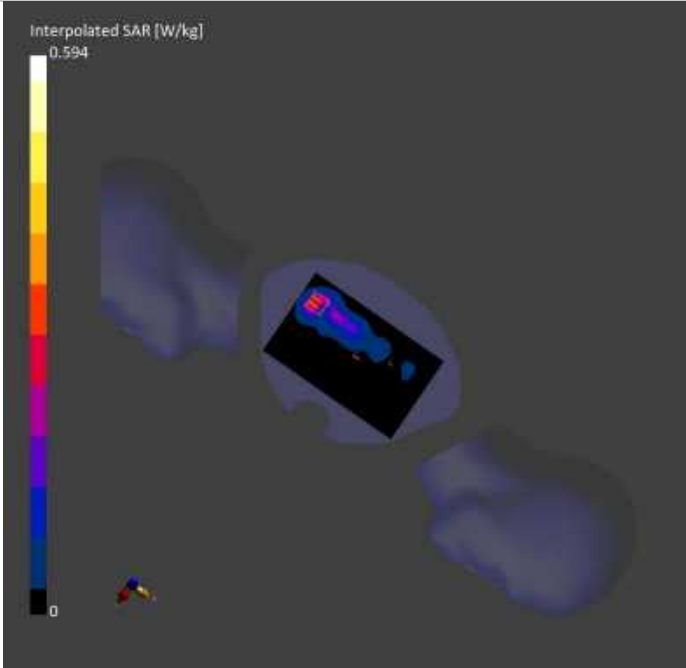
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-07, 10:05	2025-03-07, 10:12
psSAR1g [W/kg]	0.238	0.243
psSAR10g [W/kg]	0.103	0.103
Power Drift [dB]	-0.10	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.7
Dist 3dB Peak [mm]		9.1



Measurement Report for Device, TILT, Band 66, Channel 132597 (1772.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	Band 66		1772.500, 132597	7.6	1.34	41.9

Hardware Setup

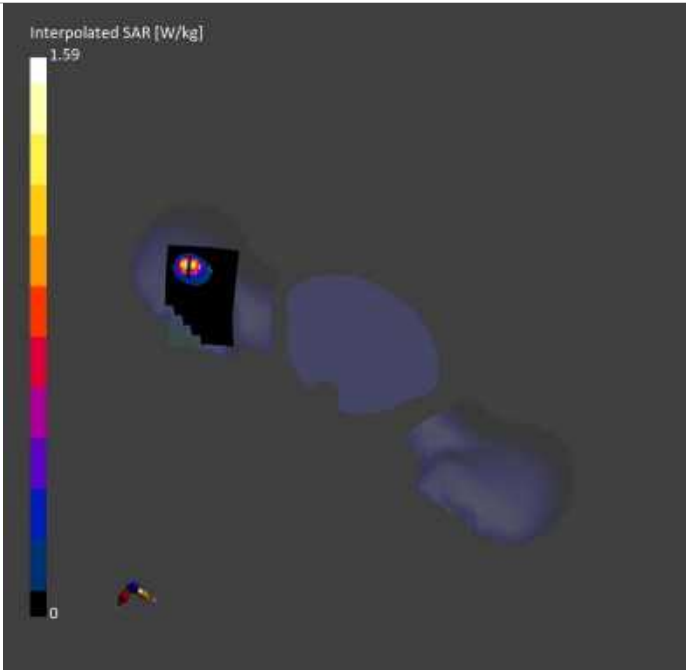
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-17, 13:32	2025-02-17, 13:46
psSAR1g [W/kg]	0.639	0.635
psSAR10g [W/kg]	0.324	0.277
Power Drift [dB]	-0.07	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.6
Dist 3dB Peak [mm]		6.9



Measurement Report for Device, TILT, Band 66, Channel 132597 (1772.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	Band 66		1772.500, 132597	7.6	1.34	41.9

Hardware Setup

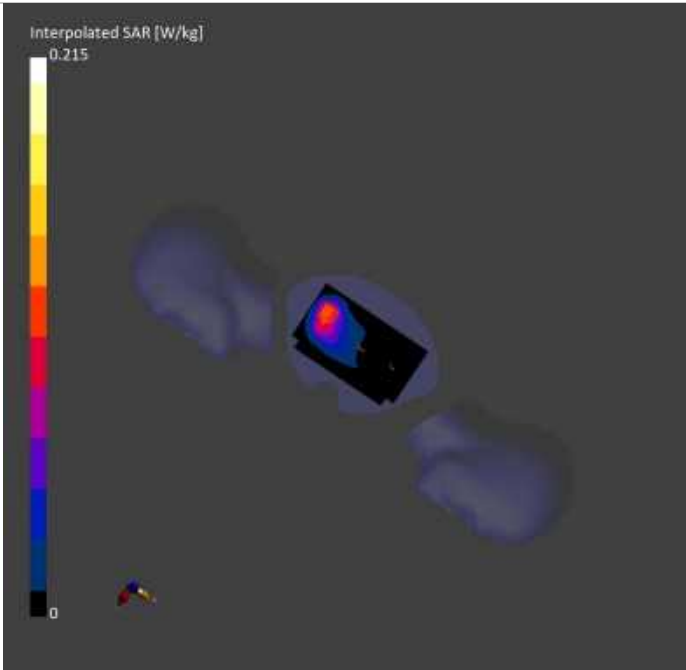
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-17, 13:56	2025-02-17, 14:02
psSAR1g [W/kg]	0.107	0.121
psSAR10g [W/kg]	0.065	0.068
Power Drift [dB]	-0.06	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.8
Dist 3dB Peak [mm]		10.3



Measurement Report for Device, CHEEK, Band n5, Channel 167300 (836.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HBBL 5-10000MHz	CHEEK, 0.00	Band n5		836.500, 167300	10.45	0.912	41.5

Hardware Setup

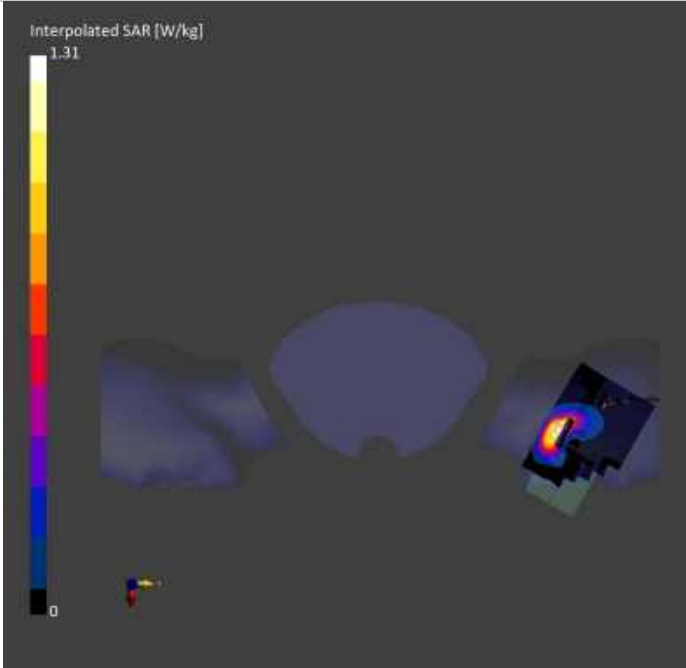
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-09, 22:21	2025-02-09, 22:44
psSAR1g [W/kg]	0.512	0.619
psSAR10g [W/kg]	0.326	0.332
Power Drift [dB]	-0.14	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		73.3
Dist 3dB Peak [mm]		6.3



Measurement Report for Device, BACK, Band n5, Channel 167300 (836.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n5		836.500, 167300	10.45	0.912	41.5

Hardware Setup

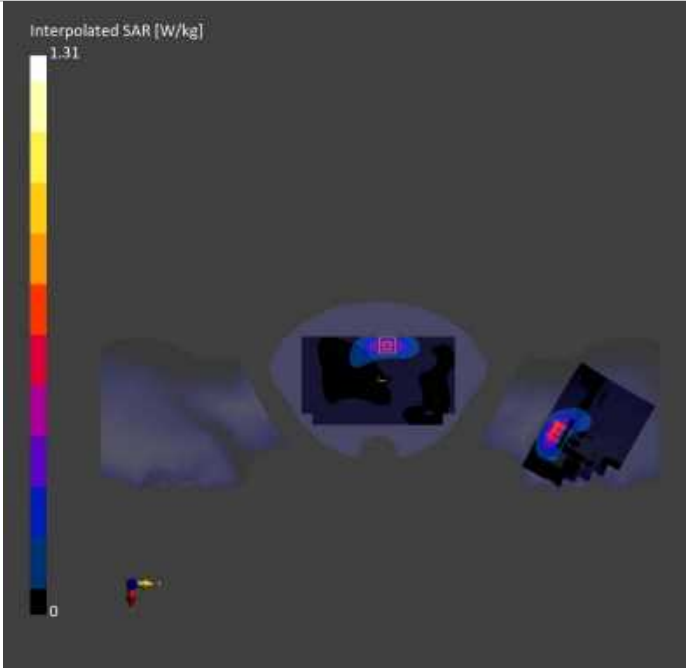
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-09, 23:04	2025-02-09, 23:18
psSAR1g [W/kg]	0.403	0.399
psSAR10g [W/kg]	0.252	0.238
Power Drift [dB]	-0.05	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.7
Dist 3dB Peak [mm]		10.9



Measurement Report for Device, TILT, Band n7, Channel 512000 (2560.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n7		256000, 5120	7.9	1.90	39.1

Hardware Setup

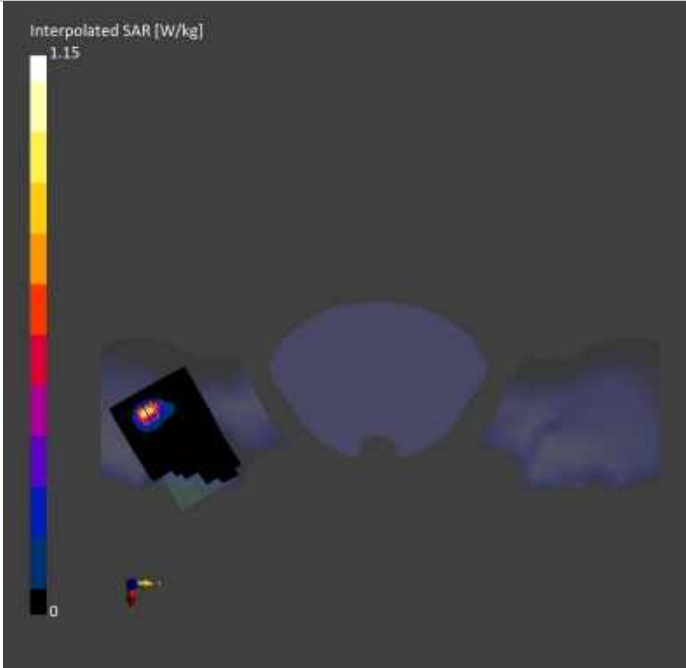
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 16:43	2025-02-28, 17:00
psSAR1g [W/kg]	0.408	0.405
psSAR10g [W/kg]	0.165	0.155
Power Drift [dB]	-0.14	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.7
Dist 3dB Peak [mm]		6.1



Measurement Report for Device, BACK, Band n7, Channel 512000 (2560.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n7		2560.000, 512000	7.9	1.90	39.1

Hardware Setup

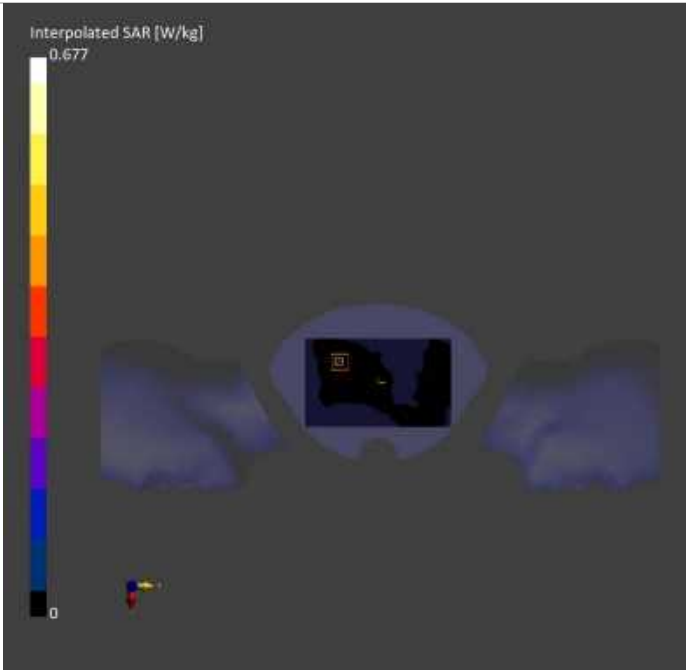
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 20:12	2025-02-28, 20:28
psSAR1g [W/kg]	0.047	0.046
psSAR10g [W/kg]	0.024	0.022
Power Drift [dB]	-0.08	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.5
Dist 3dB Peak [mm]		11.4



Measurement Report for Device, CHEEK, Band n12, Channel 141300 (706.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HBBL 5-10000MHz	CHEEK, 0.00	Band n12		706.500, 141300	10.45	0.891	42.2

Hardware Setup

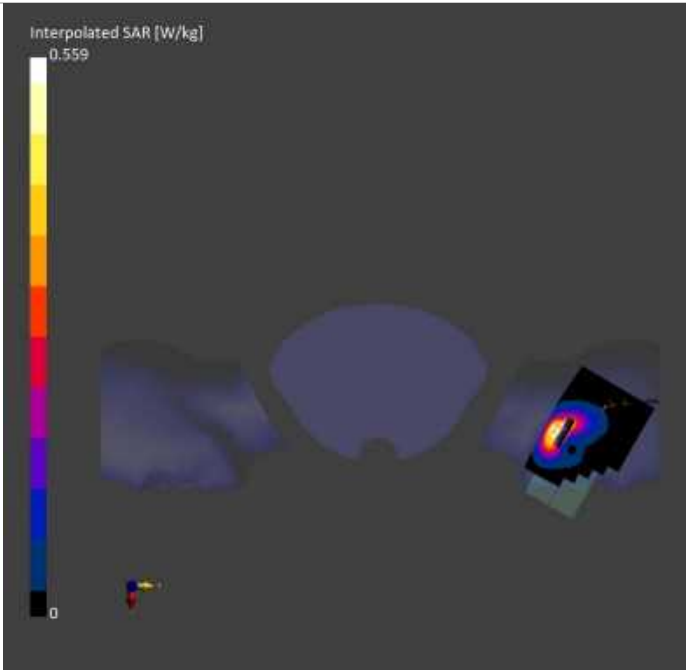
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-05, 14:10	2025-02-05, 14:32
psSAR1g [W/kg]	0.243	0.270
psSAR10g [W/kg]	0.152	0.145
Power Drift [dB]	-0.13	0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		8.4



Measurement Report for Device, BACK, Band n12, Channel 141300 (706.500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n12		706.500, 141300	10.45	0.891	42.2

Hardware Setup

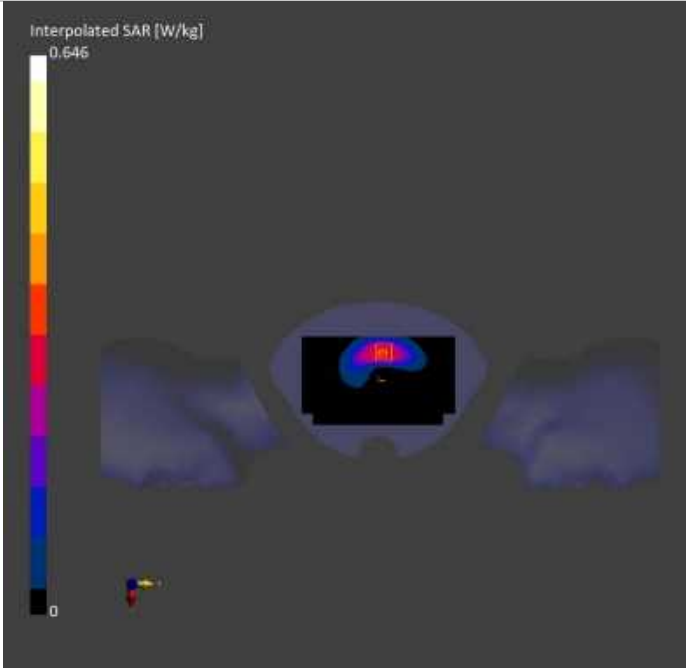
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-05, 13:52	2025-02-05, 13:58
psSAR1g [W/kg]	0.299	0.349
psSAR10g [W/kg]	0.198	0.207
Power Drift [dB]	-0.01	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.2
Dist 3dB Peak [mm]		9.6



Measurement Report for Device, TILT, Band n38, Channel 515000 (2575.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n38		2575.000, 515000	7.7	1.96	39.0

Hardware Setup

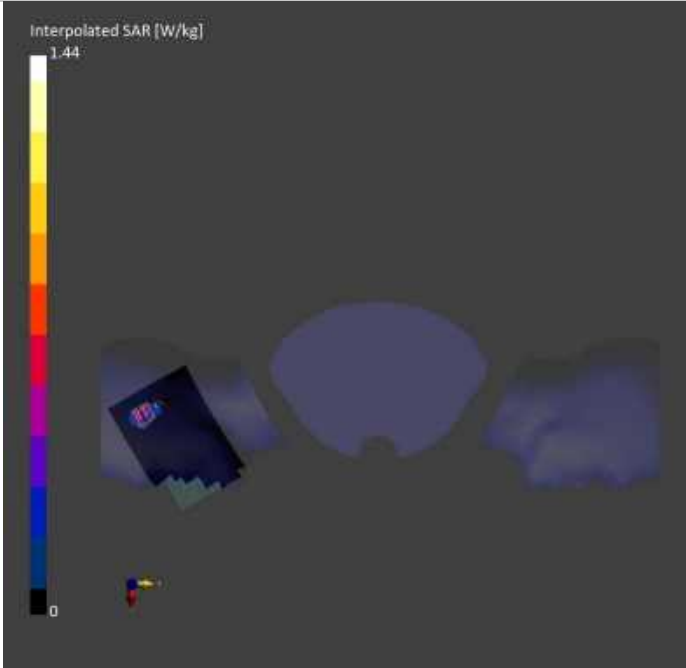
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 22:59	2025-02-28, 23:19
psSAR1g [W/kg]	0.447	0.447
psSAR10g [W/kg]	0.188	0.172
Power Drift [dB]	0.16	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.7
Dist 3dB Peak [mm]		6.4



Measurement Report for Device, BACK, Band n38, Channel 515000 (2575.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n38		2575.000, 515000	7.7	1.96	39.0

Hardware Setup

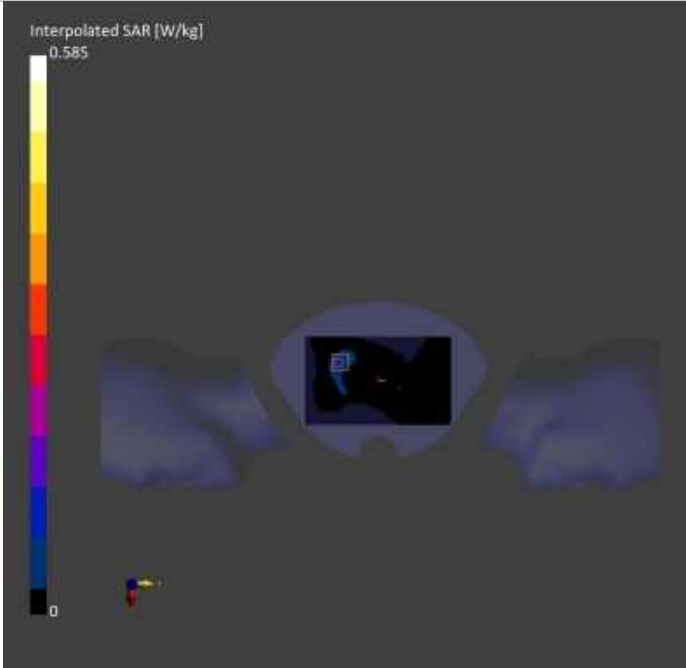
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 00:42	2025-02-28, 00:59
psSAR1g [W/kg]	0.083	0.088
psSAR10g [W/kg]	0.043	0.041
Power Drift [dB]	-0.14	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.4
Dist 3dB Peak [mm]		10.3



Measurement Report for Device, TILT, Band n41, Channel 518598 (2593.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n41		2593.000, 518598	7.7	1.96	39.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

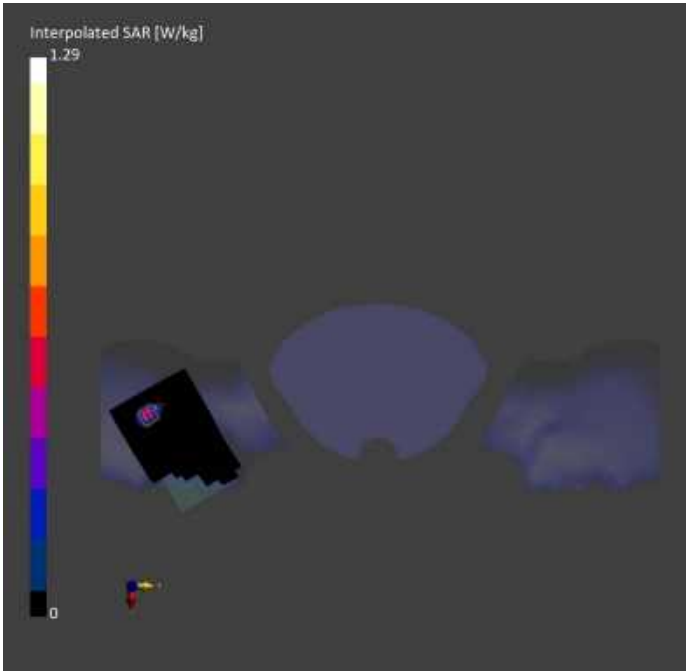
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 09:35	2025-02-28, 09:59
psSAR1g [W/kg]	0.401	0.372
psSAR10g [W/kg]	0.157	0.138
Power Drift [dB]	0.02	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.6
Dist 3dB Peak [mm]		3.4

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		Scanning resolution might not be sufficient.
Error(s)		



Measurement Report for Device, BACK, Band n41, Channel 518598 (2593.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n38		2593.000, 518598	7.7	1.96	39.0

Hardware Setup

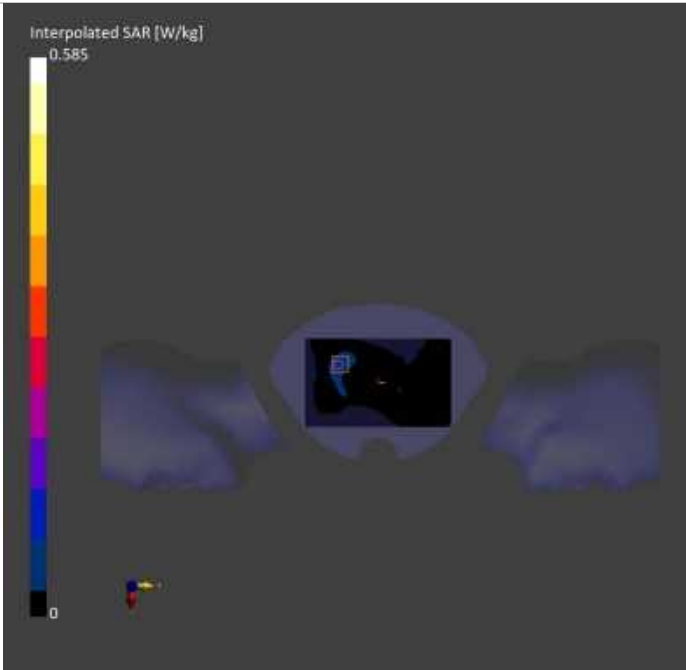
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-28, 00:42	2025-02-28, 00:59
psSAR1g [W/kg]	0.067	0.067
psSAR10g [W/kg]	0.032	0.032
Power Drift [dB]	-0.14	0.16
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.4
Dist 3dB Peak [mm]		10.3



Measurement Report for Device, TILT, Band n66, Channel 349000 (1745.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n66		1745.000, 349000	8.72	1.37	40.1

Hardware Setup

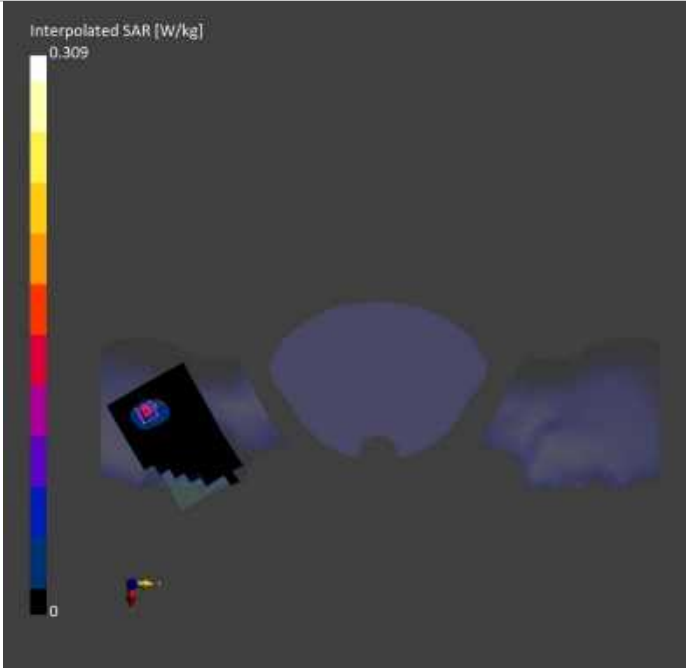
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-13, 10:21	2025-02-13, 10:34
psSAR1g [W/kg]	0.10	0.111
psSAR10g [W/kg]	0.050	0.048
Power Drift [dB]	-0.27	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		70.1
Dist 3dB Peak [mm]		6.2



Measurement Report for Device, BACK, Band n66, Channel 349000 (1745.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n7		1745.000, 349000	7.9	1.90	39.1

Hardware Setup

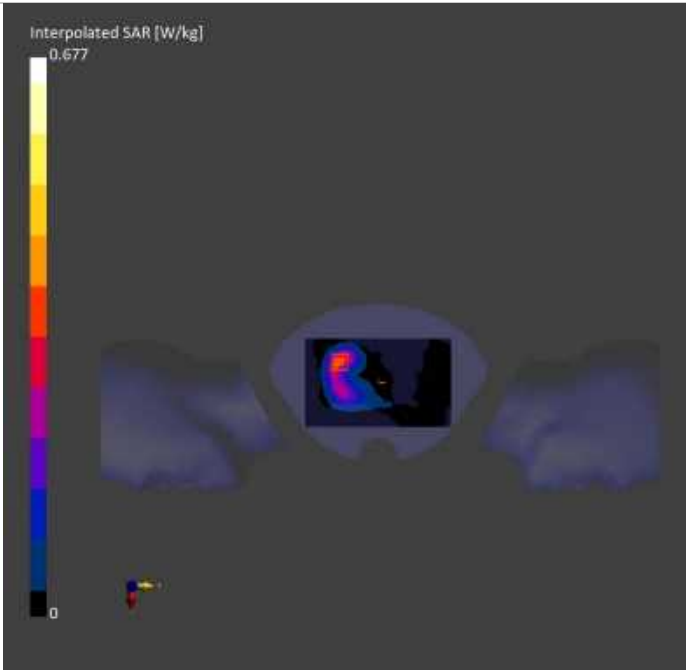
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-13, 20:12	2025-02-13, 20:28
psSAR1g [W/kg]	0.052	0.052
psSAR10g [W/kg]	0.023	0.023
Power Drift [dB]	-0.08	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.5
Dist 3dB Peak [mm]		11.4



Measurement Report for Device, CHEEK, Band n71, Channel 137600 (680.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HBBL 5-10000MHz	CHEEK, 0.00	Band n71		680.000, 137600	10.45	0.889	42.3

Hardware Setup

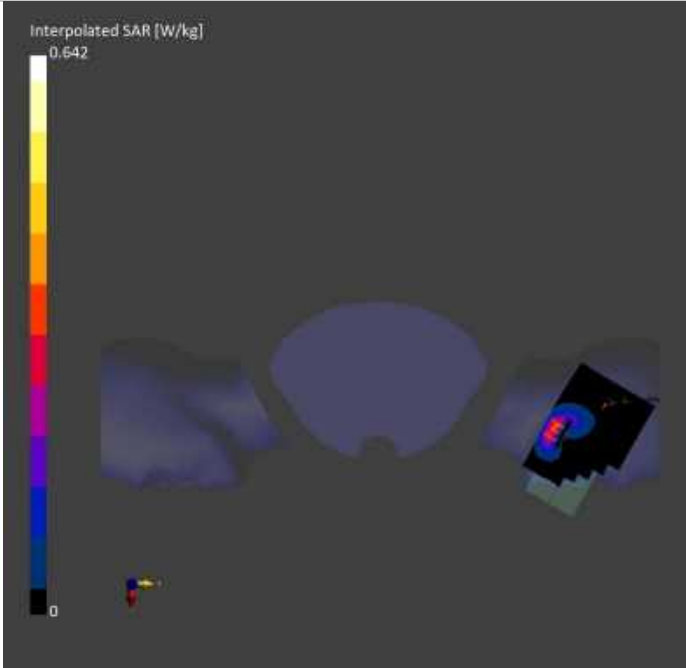
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-05, 14:28	2025-02-05, 14:50
psSAR1g [W/kg]	0.280	0.296
psSAR10g [W/kg]	0.174	0.159
Power Drift [dB]	-0.12	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		72.7
Dist 3dB Peak [mm]		7.1



Measurement Report for Device, BACK, Band n71, Channel 137600 (680.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n71		680.000, 137600	10.45	0.889	42.3

Hardware Setup

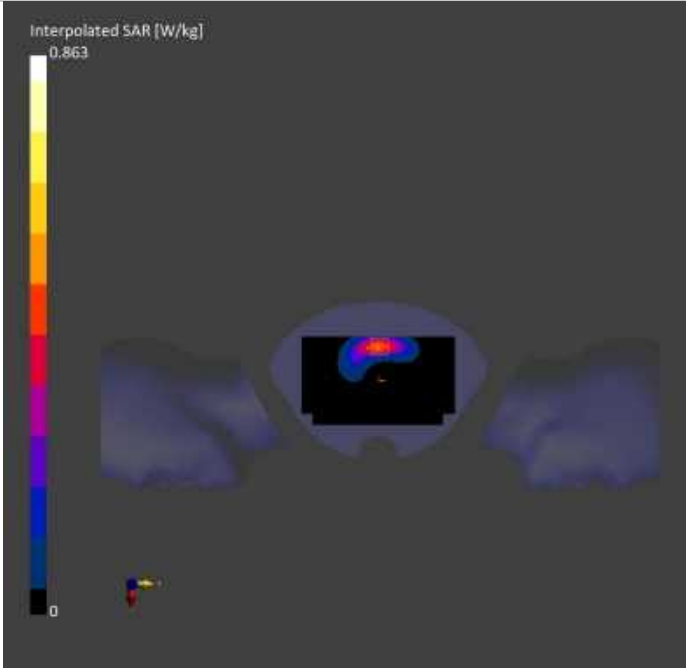
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-05, 15:10	2025-02-05, 15:24
psSAR1g [W/kg]	0.436	0.433
psSAR10g [W/kg]	0.269	0.245
Power Drift [dB]	-0.06	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.7
Dist 3dB Peak [mm]		8.8



Measurement Report for Device, TILT, Band n77, Channel 633334 (3500.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n77		3500.000, 633334	7.0	2.92	37.9

Hardware Setup

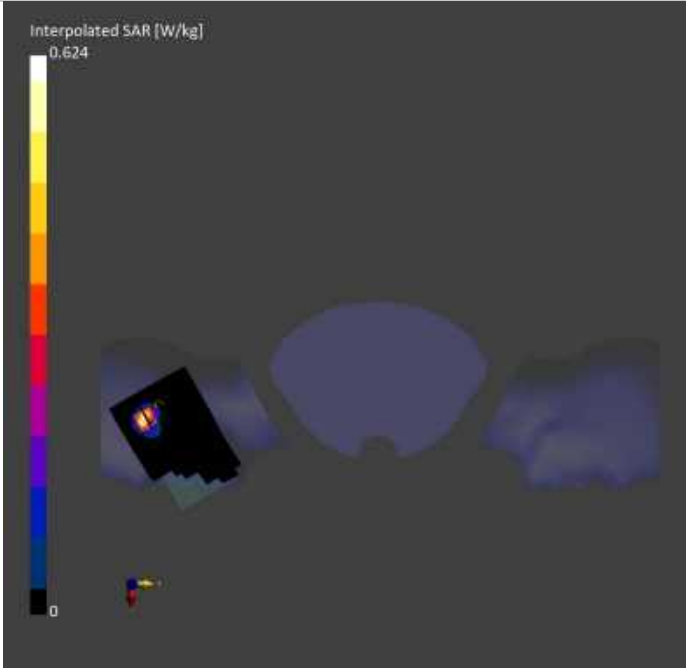
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-07, 19:01	2025-03-07, 19:20
psSAR1g [W/kg]	0.169	0.197
psSAR10g [W/kg]	0.070	0.069
Power Drift [dB]	-0.12	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.6
Dist 3dB Peak [mm]		6.4



Measurement Report for Device, BACK, Band n77, Channel 633334 (3500.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n77		3500.000, 633334	7.0	2.92	37.9

Hardware Setup

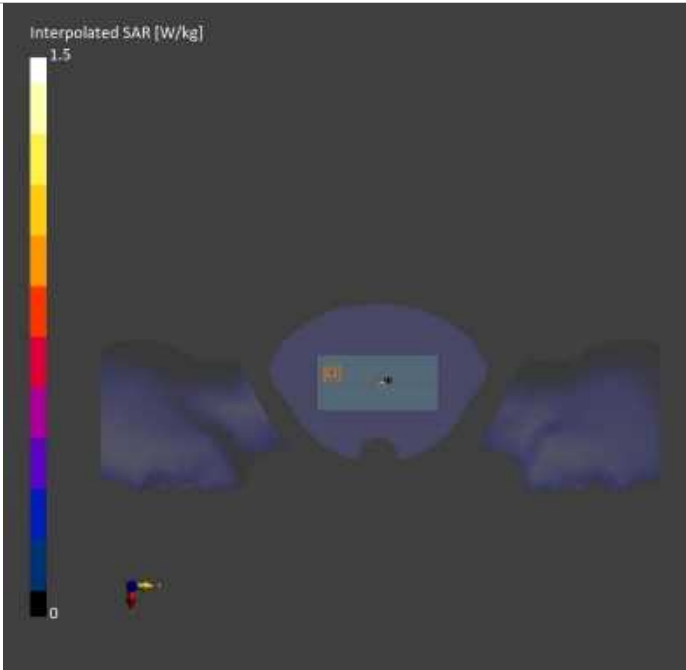
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-07, 19:23	2025-03-07, 19:56
psSAR1g [W/kg]	0.237	0.237
psSAR10g [W/kg]	0.105	0.105
Power Drift [dB]	-0.02	0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.1
Dist 3dB Peak [mm]		8.5



Measurement Report for Device, TILT, Band n77, Channel 641666 (3624.990MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n77		3695.000, 646332	6.8	3.04	37.8

Hardware Setup

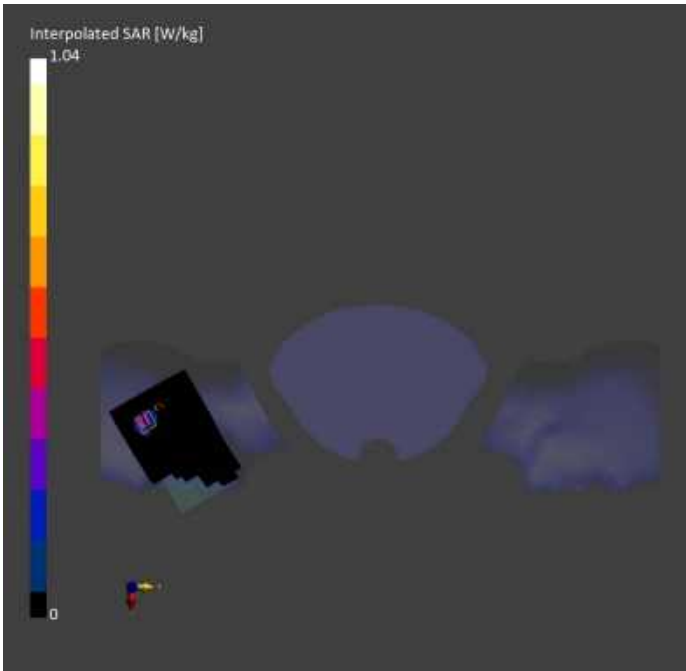
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-11, 19:36	2025-03-11, 19:46
psSAR1g [W/kg]	0.274	0.314
psSAR10g [W/kg]	0.110	0.109
Power Drift [dB]	-0.09	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.0
Dist 3dB Peak [mm]		6.1



Measurement Report for Device, BACK, Band n77, Channel 646332 (3695.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n77		3695.000, 646332	6.8	3.04	37.8

Hardware Setup

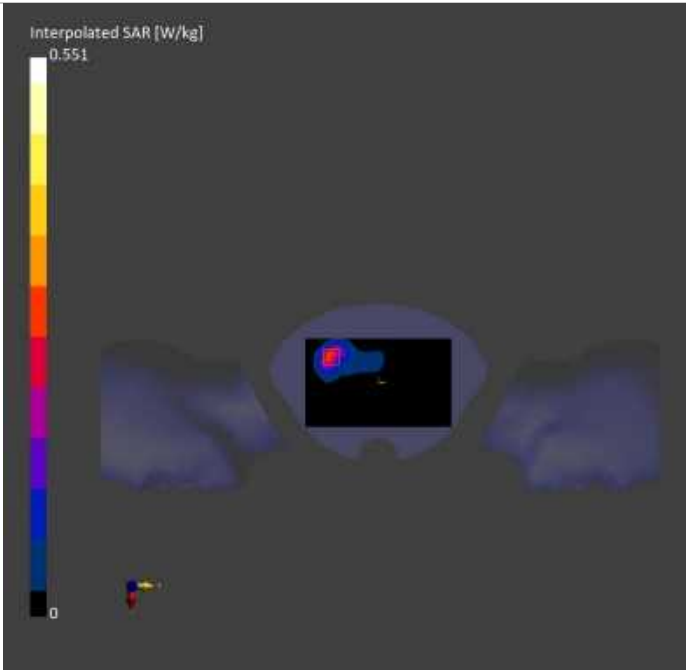
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-11, 22:12	2025-03-11, 22:20
psSAR1g [W/kg]	0.120	0.096
psSAR10g [W/kg]	0.049	0.043
Power Drift [dB]	0.01	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.2
Dist 3dB Peak [mm]		9.9



Measurement Report for Device, TILT, Band n77, Channel 656000 (3890.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n77		3890.000, 656000	6.7	3.27	37.5

Hardware Setup

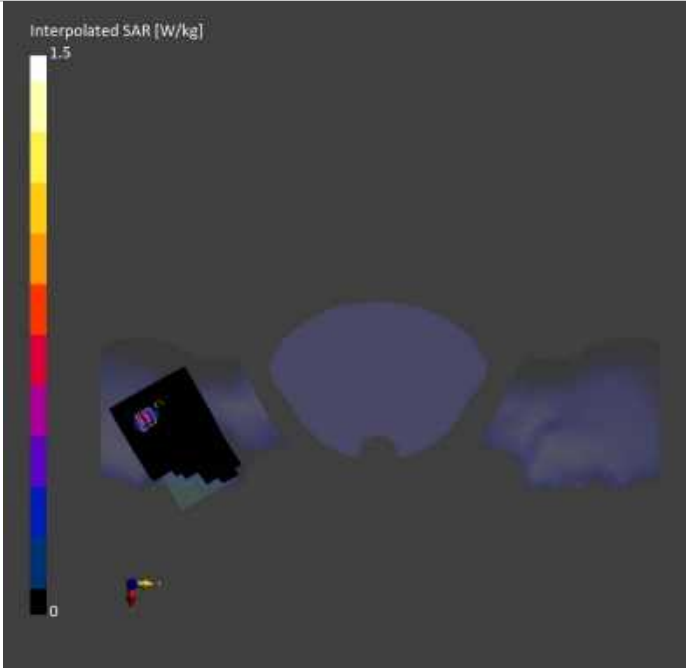
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-14, 20:07	2025-03-14, 20:17
psSAR1g [W/kg]	0.407	0.461
psSAR10g [W/kg]	0.156	0.159
Power Drift [dB]	-0.03	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		68.3
Dist 3dB Peak [mm]		6.8



Measurement Report for Device, BACK, Band n77, Channel 656000 (3890.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n77		3890.000, 656000	6.7	3.27	37.5

Hardware Setup

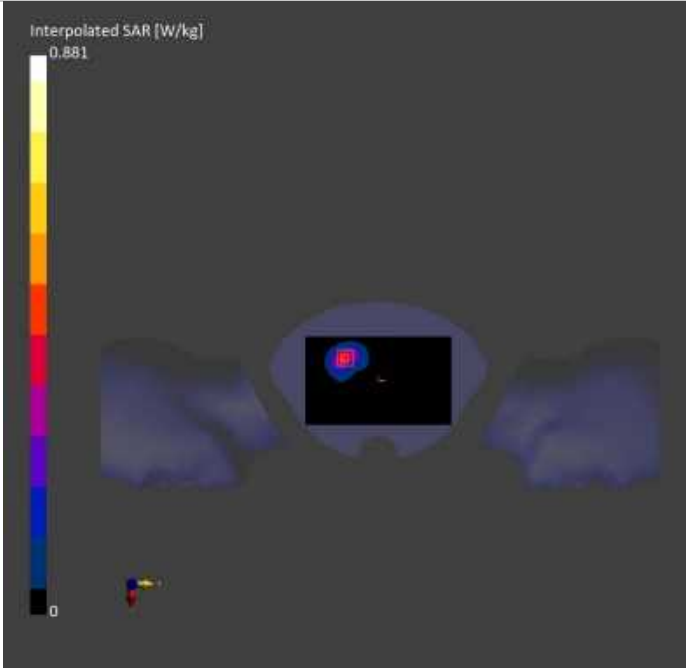
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-14, 00:18	2025-03-14, 00:27
psSAR1g [W/kg]	0.139	0.134
psSAR10g [W/kg]	0.049	0.057
Power Drift [dB]	0.08	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.5
Dist 3dB Peak [mm]		11.2



Measurement Report for Device, TILT, Band n78, Channel 631668 (3475.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n78		3475.000, 631668	7.0	2.92	37.9

Hardware Setup

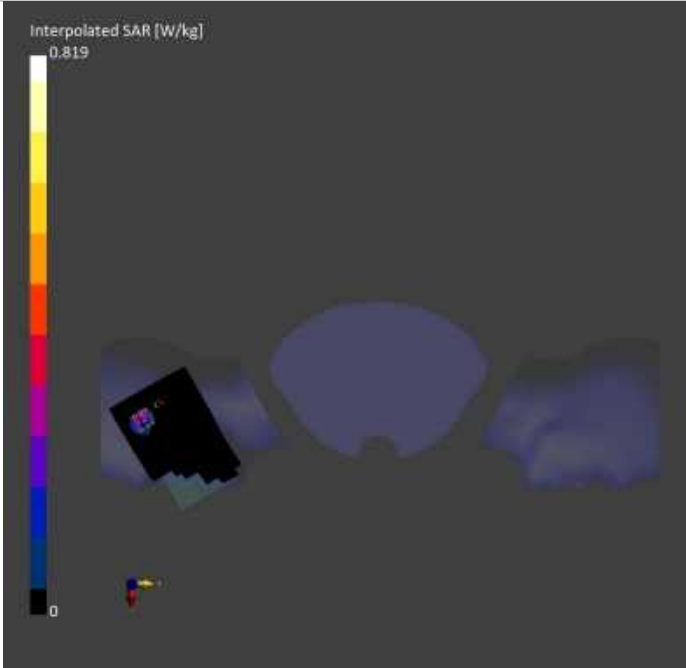
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-07, 13:40	2025-03-07, 13:52
psSAR1g [W/kg]	0.216	0.252
psSAR10g [W/kg]	0.090	0.089
Power Drift [dB]	-0.11	-0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		70.5
Dist 3dB Peak [mm]		6.4



Measurement Report for Device, BACK, Band n78, Channel 631668 (3475.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n78		3475.000, 631668	7.0	2.92	37.9

Hardware Setup

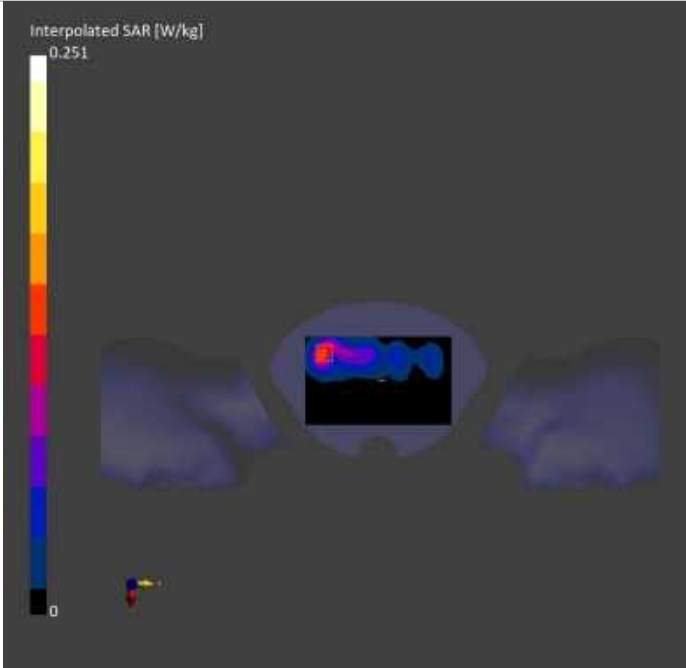
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-07, 02:06	2025-03-07, 02:15
psSAR1g [W/kg]	0.109	0.049
psSAR10g [W/kg]	0.051	0.022
Power Drift [dB]	-0.07	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.4
Dist 3dB Peak [mm]		11.5



Measurement Report for Device, TILT, Band n78, Channel 637000 (3560.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n78		3560.000, 637000	6.8	3.04	37.8

Hardware Setup

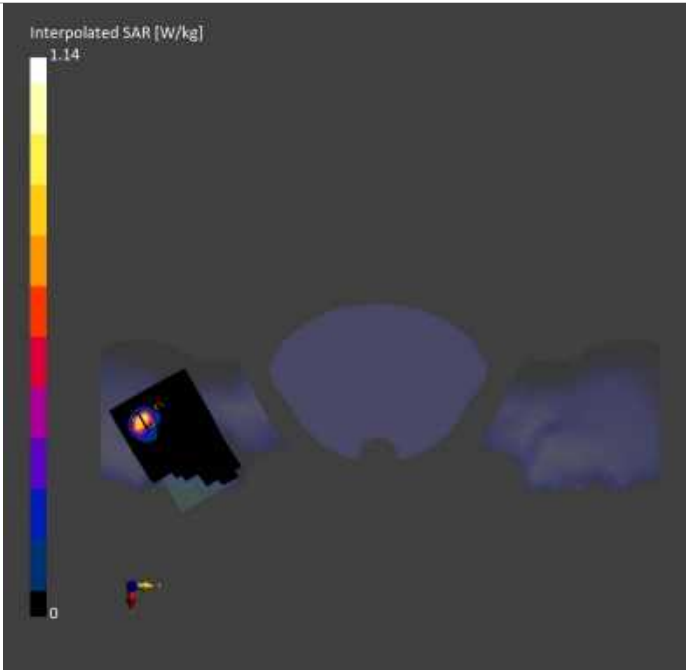
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-07, 10:51	2025-03-07, 11:01
psSAR1g [W/kg]	0.297	0.358
psSAR10g [W/kg]	0.122	0.125
Power Drift [dB]	-0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		68.3
Dist 3dB Peak [mm]		6.8



Measurement Report for Device, BACK, Band n78, Channel 637000 (3560.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n78		3560.000, 637000	6.8	3.04	37.8

Hardware Setup

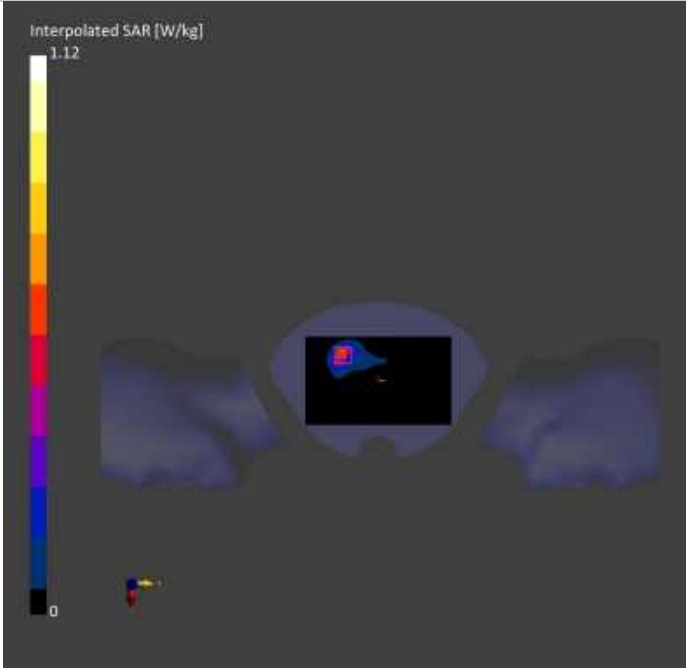
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-07, 10:09	2025-03-07, 10:17
psSAR1g [W/kg]	0.133	0.167
psSAR10g [W/kg]	0.083	0.072
Power Drift [dB]	0.01	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.1
Dist 3dB Peak [mm]		8.5



Measurement Report for Device, TILT, Band n78, Channel 650000 (3750.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HBBL 5-10000MHz	TILT, 0.00	Band n78		3750.000, 650000	6.8	3.17	37.6

Hardware Setup

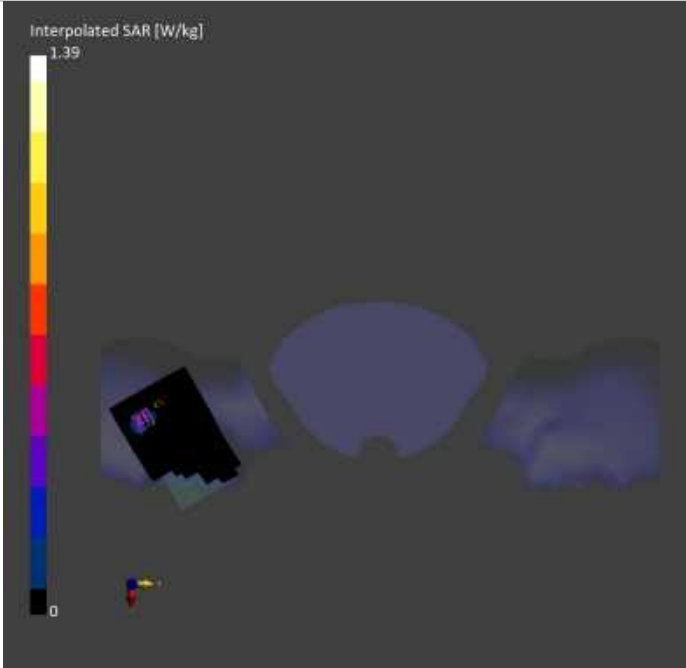
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-11, 11:21	2025-03-11, 11:31
psSAR1g [W/kg]	0.370	0.444
psSAR10g [W/kg]	0.148	0.153
Power Drift [dB]	0.00	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		70.0
Dist 3dB Peak [mm]		6.8



Measurement Report for Device, BACK, Band n78, Channel 650000 (3750.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	Band n78		3750.000, 650000	6.8	3.17	37.6

Hardware Setup

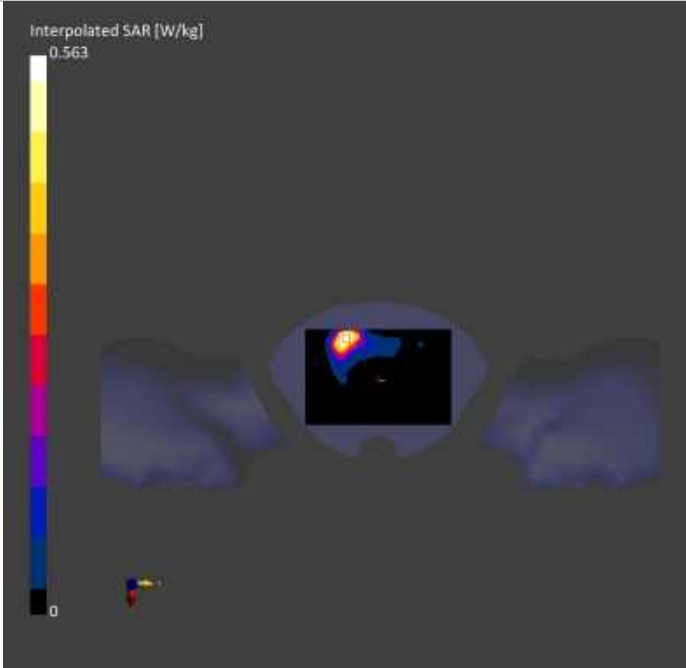
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-11, 14:12	2025-03-11, 14:35
psSAR1g [W/kg]	0.233	0.226
psSAR10g [W/kg]	0.129	0.105
Power Drift [dB]	0.06	0.19
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.0
Dist 3dB Peak [mm]		8.6



Measurement Report for Device, CHEEK, WLAN 2.4GHz, Channel 6 (2437.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	WLAN 2.4GHz		2437.000, 6	6.88	1.82	41.0

Hardware Setup

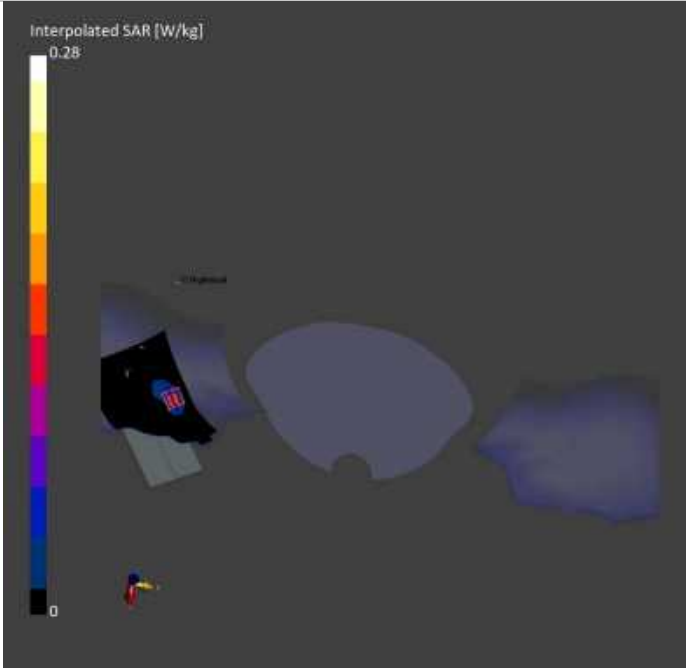
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-20, 14:46	2025-02-20, 15:00
psSAR1g [W/kg]	0.108	0.122
psSAR10g [W/kg]	0.043	0.046
Power Drift [dB]	0.05	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		78.2
Dist 3dB Peak [mm]		5.9



Measurement Report for Device, BACK, WLAN 2.4GHz, Channel 6 (2437.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 10.00	WLAN 2.4GHz		2437.000, 6	6.88	1.82	41.0

Hardware Setup

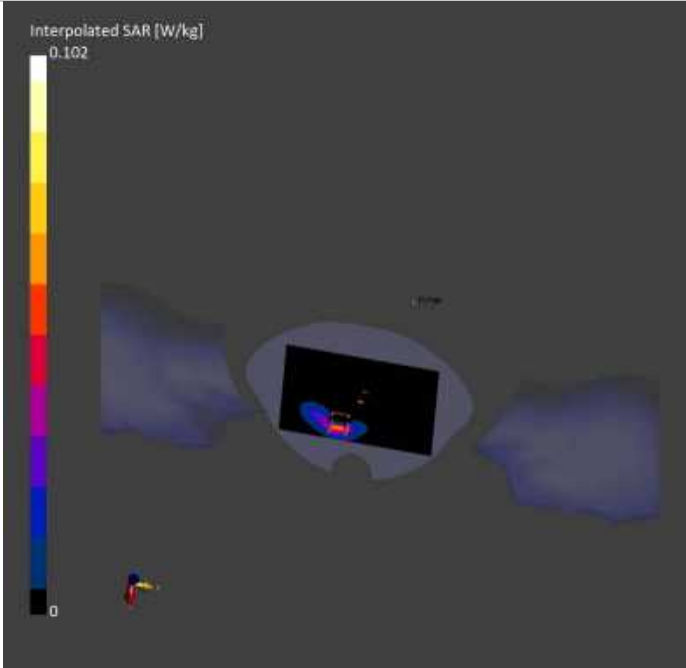
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 2243	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7895, 2024-10-28	DAE4ip Sn1872, 2024-10-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-02-20, 14:22	2025-02-20, 14:30
psSAR1g [W/kg]	0.048	0.050
psSAR10g [W/kg]	0.022	0.023
Power Drift [dB]	0.01	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		8.0



Measurement Report for Device, TILT, WLAN 5GHz, Channel 48 (5240.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HBBL 5-10000MHz	TILT, 0.00	WLAN 5GHz		5240.000, 48	5.66	4.64	36.0

Hardware Setup

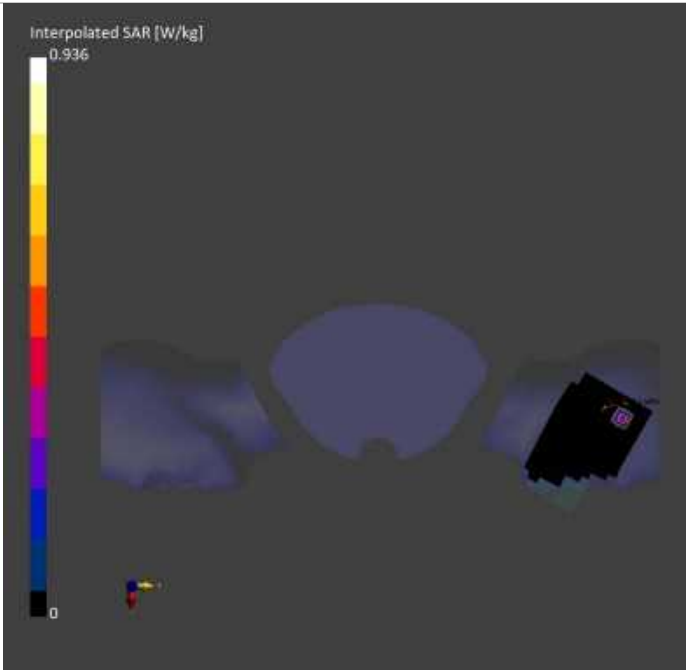
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-18, 15:54	2025-03-18, 16:11
psSAR1g [W/kg]	0.048	0.048
psSAR10g [W/kg]	0.011	0.011
Power Drift [dB]	-0.14	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.5
Dist 3dB Peak [mm]		6.9



Measurement Report for Device, BACK, WLAN 5GHz, Channel 48 (5240.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	WLAN 5GHz		5240.000, 48	5.66	4.64	36.0

Hardware Setup

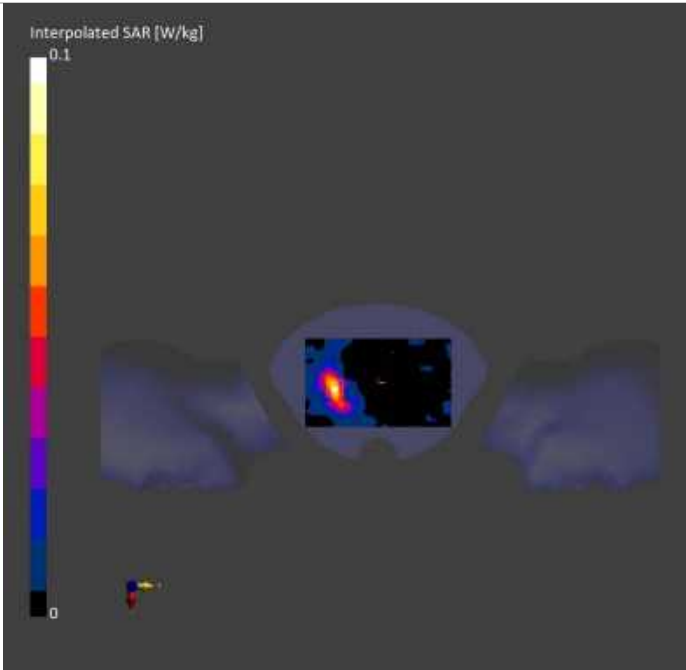
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-18, 21:14	2025-03-18, 21:46
psSAR1g [W/kg]	0.060	0.060
psSAR10g [W/kg]	0.023	0.023
Power Drift [dB]	-0.07	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.5
Dist 3dB Peak [mm]		8.2



Measurement Report for Device, TILT, WLAN 5GHz, Channel 52 (5260.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HBBL 5-10000MHz	TILT, 0.00	WLAN 5GHz		5260.000, 52	5.43	4.78	35.8

Hardware Setup

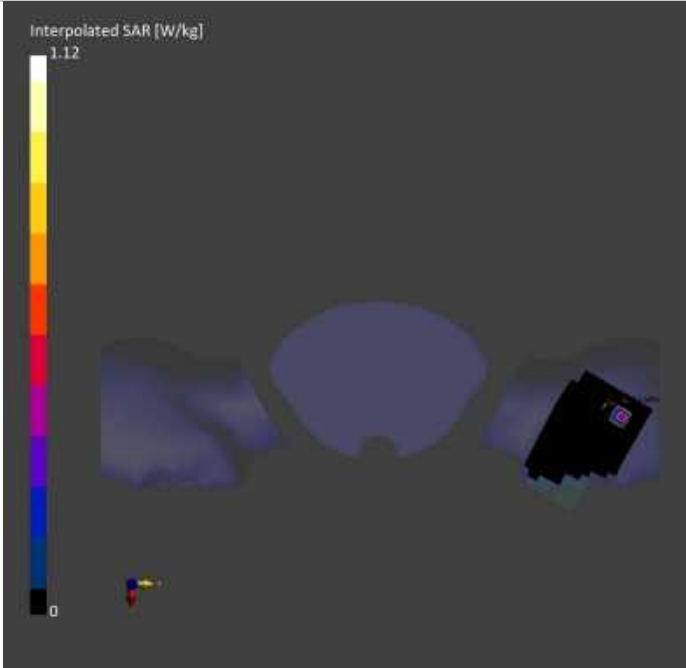
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-21, 14:25	2025-03-21, 14:41
psSAR1g [W/kg]	0.052	0.052
psSAR10g [W/kg]	0.013	0.013
Power Drift [dB]	0.11	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.4
Dist 3dB Peak [mm]		7.2



Measurement Report for Device, BACK, WLAN 5GHz, Channel 52 (5260.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	WLAN 5GHz		5260.000, 52	5.43	4.78	35.8

Hardware Setup

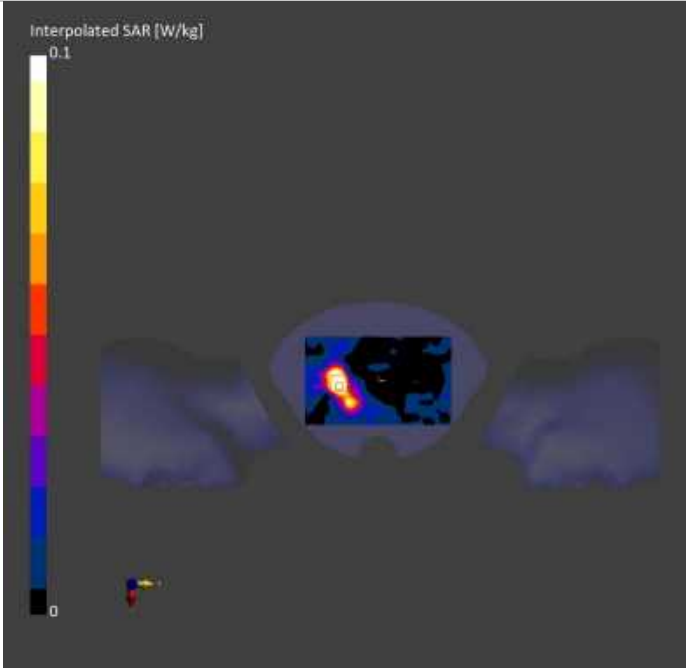
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-21, 22:19	2025-03-21, 23:01
psSAR1g [W/kg]	0.094	0.094
psSAR10g [W/kg]	0.036	0.036
Power Drift [dB]	0.60	0.20
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.1
Dist 3dB Peak [mm]		7.6



Measurement Report for Device, TILT, WLAN 5GHz, Channel 140 (5700.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HBBL 5-10000MHz	TILT, 0.00	WLAN 5GHz		5700.000, 140	4.94	5.18	35.4

Hardware Setup

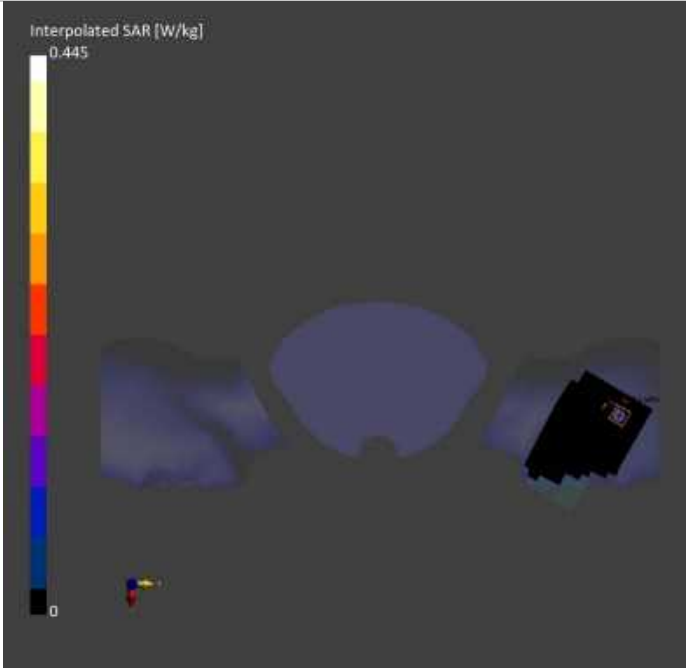
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-23, 18:57	2025-03-23, 19:14
psSAR1g [W/kg]	0.079	0.087
psSAR10g [W/kg]	0.020	0.021
Power Drift [dB]	-1.79	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.7
Dist 3dB Peak [mm]		6.3



Measurement Report for Device, BACK, WLAN 5GHz, Channel 140 (5700.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	WLAN 5GHz		5700.000, 140	4.94	5.18	35.4

Hardware Setup

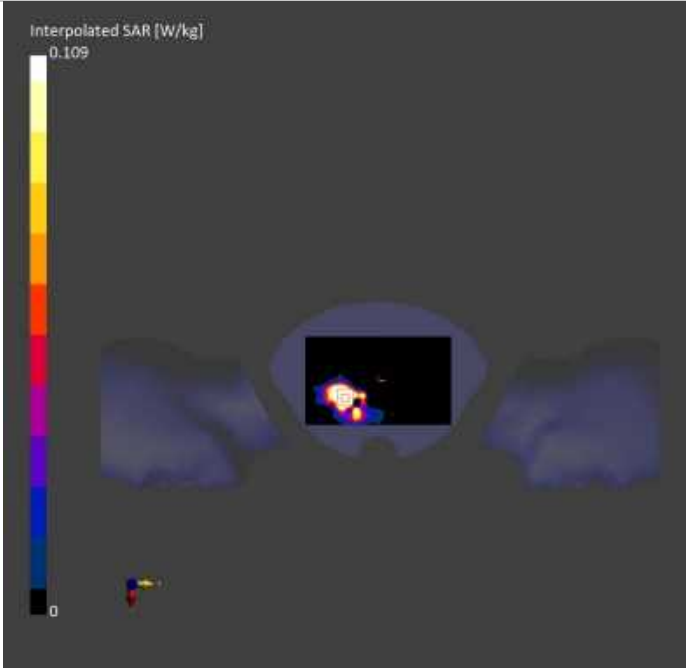
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-23, 10:39	2025-03-23, 11:02
psSAR1g [W/kg]	0.109	0.109
psSAR10g [W/kg]	0.045	0.045
Power Drift [dB]	-0.96	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.8
Dist 3dB Peak [mm]		6.9



Measurement Report for Device, TILT, WLAN 5GHz, Channel 149 (5745.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HBBL 5-10000MHz	TILT, 0.00	WLAN 5GHz		5745.000, 149	5.02	5.22	35.4

Hardware Setup

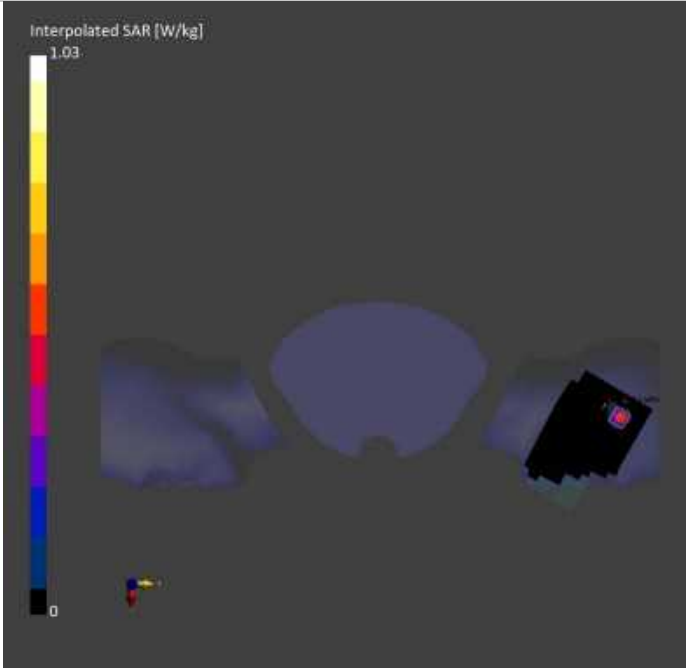
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-23, 14:59	2025-03-23, 15:15
psSAR1g [W/kg]	0.068	0.068
psSAR10g [W/kg]	0.015	0.015
Power Drift [dB]	-0.03	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.4
Dist 3dB Peak [mm]		5.8



Measurement Report for Device, BACK, WLAN 5GHz, Channel 149 (5745.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.0 x 75.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5-10000MHz	BACK, 10.00	WLAN 5GHz		5745.000, 149	5.02	5.22	35.4

Hardware Setup

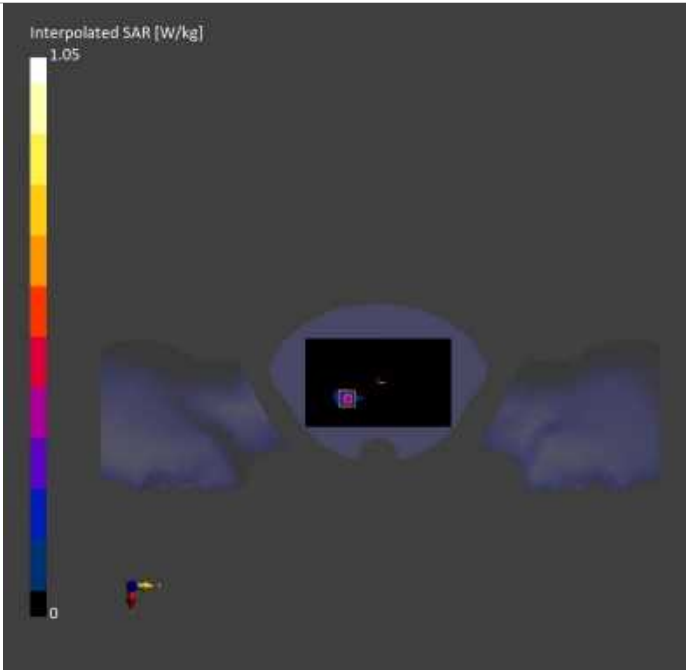
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1901	HBBL 5-10000MHz , --	EX3DV4 - SN7391, 2024-11-29	DAE4 Sn1495, 2024-07-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-03-23, 15:59	2025-03-23, 16:22
psSAR1g [W/kg]	0.097	0.097
psSAR10g [W/kg]	0.040	0.040
Power Drift [dB]	-1.08	0.18
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.0
Dist 3dB Peak [mm]		6.5



Annex C Calibration Reports
Tested Model : X6873
Report Number: WSCT-ANAB-R&E250100001A-SAR

Client: **WSCT**

Certificate No: **24J02Z000416**

CALIBRATION CERTIFICATE

Object **D750V3 - SN: 1151**

Calibration Procedure(s) **FF-Z11-003-01**
Calibration Procedures for dipole validation kits

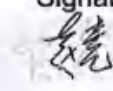
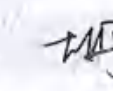
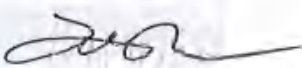
Calibration date: **August 19, 2024**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm3)^{\circ}\text{C}$ and humidity $<70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7464	22-Jan-24(SPEAG, No. EX-7464_Jan24)	Jan-25
DAE4	SN 1556	03-Jan-24(CTTL-SPEAG, No.24J02Z80002)	Jan-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Jun	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: August 30, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "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)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	750 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.9	0.89 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.3 $\pm$ 6 %	0.91 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.16 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	8.46 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.45 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.70 W/kg $\pm$ 18.7 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	51.4Ω- 2.06jΩ
Return Loss	- 32.2dB

General Antenna Parameters and Design

Electrical Delay (one direction)	0.941 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------

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DASY5 Validation Report for Head TSL

Date: 2024-08-19

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN: 1151

Communication System: UID 0, CW; Frequency: 750 MHz

Medium parameters used: $f = 750$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 41.27$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7464; ConvF(9.09, 9.18, 9.51) @ 750 MHz; Calibrated: 2024-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2024-01-03
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.20 V/m; Power Drift = -0.06 dB

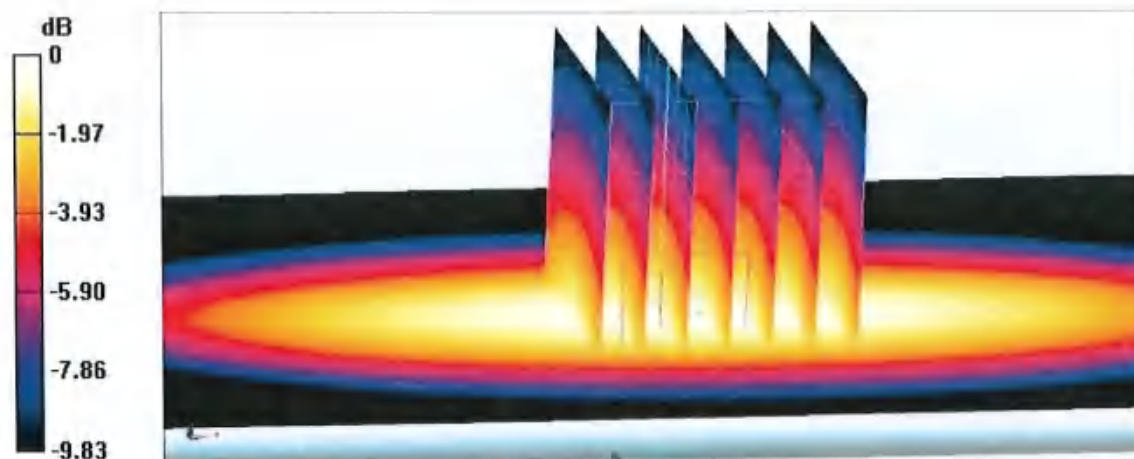
Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.45 W/kg

Smallest distance from peaks to all points 3 dB below = 22.7 mm

Ratio of SAR at M2 to SAR at M1 = 69.2%

Maximum value of SAR (measured) = 2.81 W/kg

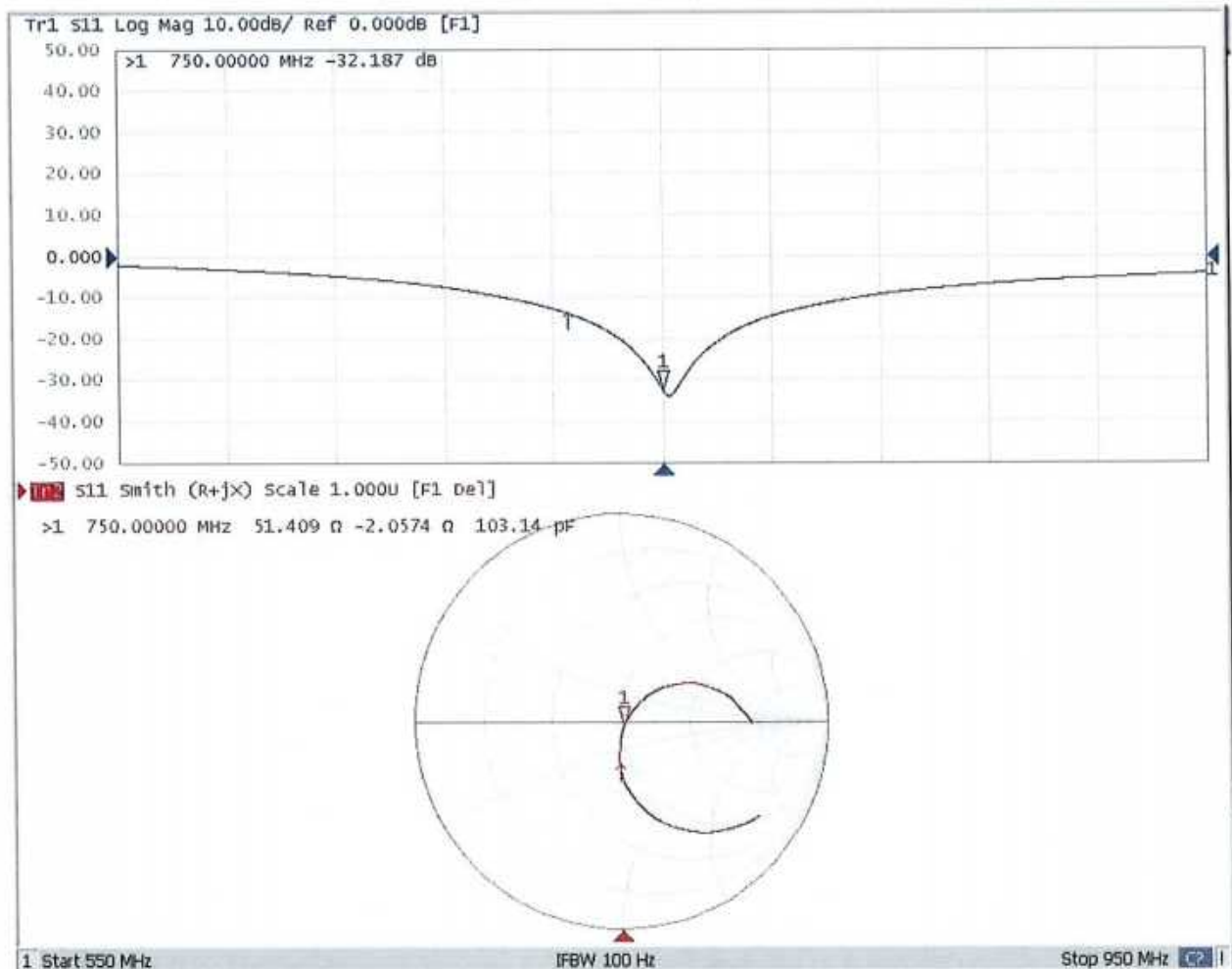


0 dB = 2.81 W/kg = 4.49 dBW/kg



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Impedance Measurement Plot for Head TSL



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Client **WSCT**

Certificate No: **24J02Z000417**

CALIBRATION CERTIFICATE

Object **D835V2 - SN: 4d203**

Calibration Procedure(s) **FF-Z11-003-01**
Calibration Procedures for dipole validation kits

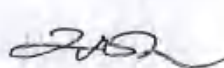
Calibration date: **August 20, 2024**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7464	22-Jan-24(SPEAG, No. EX-7464_Jan24)	Jan-25
DAE4	SN 1556	03-Jan-24(CTTL-SPEAG, No.24J02Z80002)	Jan-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Jun	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: August 30, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "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)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.

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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	835 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.90 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.2 $\pm$ 6 %	0.91 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.44 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.68 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.62 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.44 W/kg $\pm$ 18.7 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	49.1Ω- 3.05jΩ
Return Loss	- 29.9dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.298 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 2024-08-20

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 4d203

Communication System: UID 0, CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 41.22$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7464; ConvF(8.69, 9.48, 9.34) @ 835 MHz; Calibrated: 2024-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2024-01-03
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.09 V/m; Power Drift = -0.02 dB

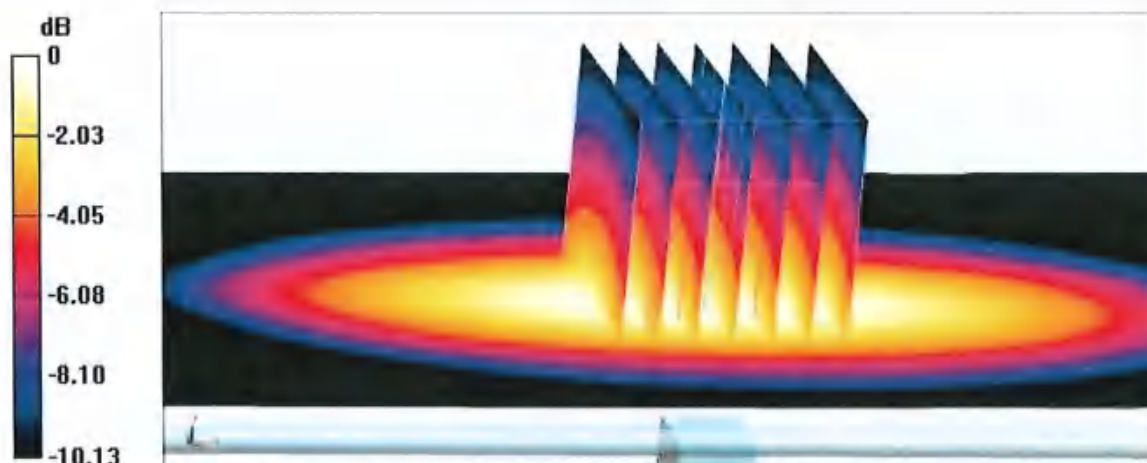
Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.62 W/kg

Smallest distance from peaks to all points 3 dB below = 16.5 mm

Ratio of SAR at M2 to SAR at M1 = 69.1%

Maximum value of SAR (measured) = 3.20 W/kg

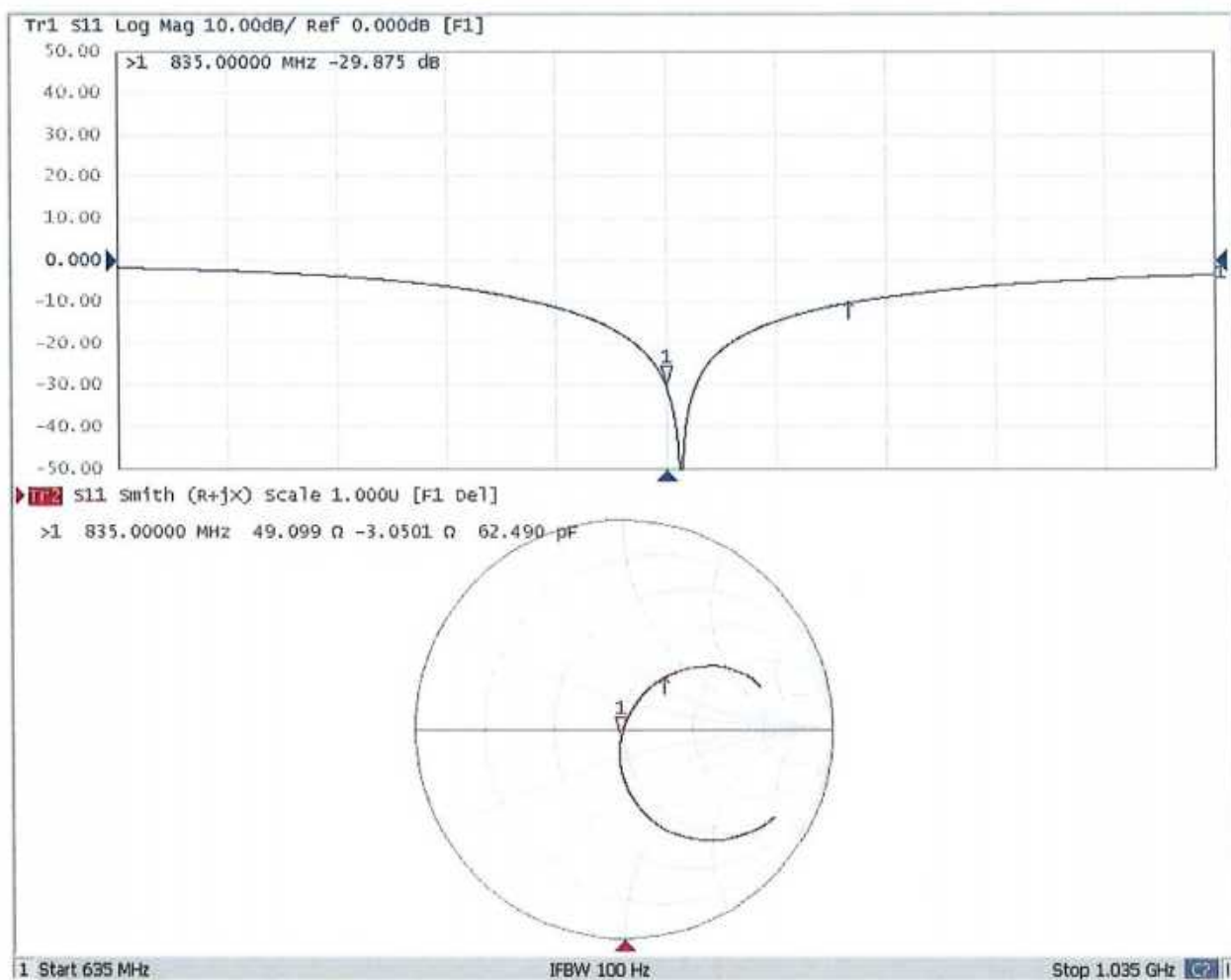


0 dB = 3.20 W/kg = 5.05 dBW/kg



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Impedance Measurement Plot for Head TSL



Client **WSCT**

Certificate No: **24J02Z000418**

CALIBRATION CERTIFICATE

Object **D1750V2 - SN: 1143**

Calibration Procedure(s) **FF-Z11-003-01**
Calibration Procedures for dipole validation kits

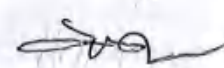
Calibration date: **August 20, 2024**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7464	22-Jan-24(SPEAG, No. EX-7464_Jan24)	Jan-25
DAE4	SN 1556	03-Jan-24(CTTL-SPEAG, No.24J02Z80002)	Jan-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Jun	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	
Issued: August 30, 2024			
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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "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)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- **SAR measured:** SAR measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1750 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.1	1.37 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.0 $\pm$ 6 %	1.35 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	8.99 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	36.4 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	4.85 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	19.6 W/kg $\pm$ 18.7 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.8Ω- 0.26jΩ
Return Loss	- 32.8dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.133 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 2024-08-20

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN: 1143

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.354$ S/m; $\epsilon_r = 41.01$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7464; ConvF(7.99, 8.13, 8.29) @ 1750 MHz; Calibrated: 2024-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2024-01-03
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.82 V/m; Power Drift = -0.07 dB

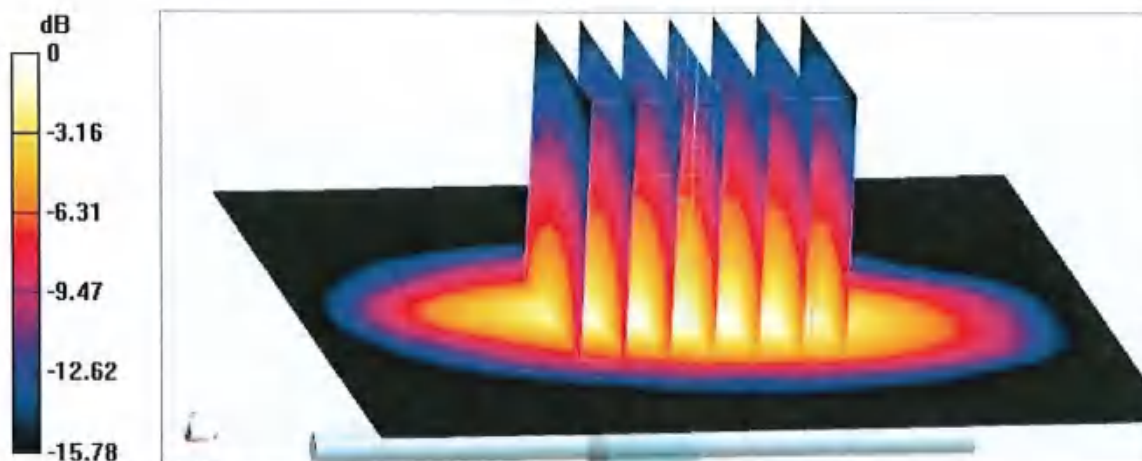
Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 8.99 W/kg; SAR(10 g) = 4.85 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 57%

Maximum value of SAR (measured) = 13.6 W/kg

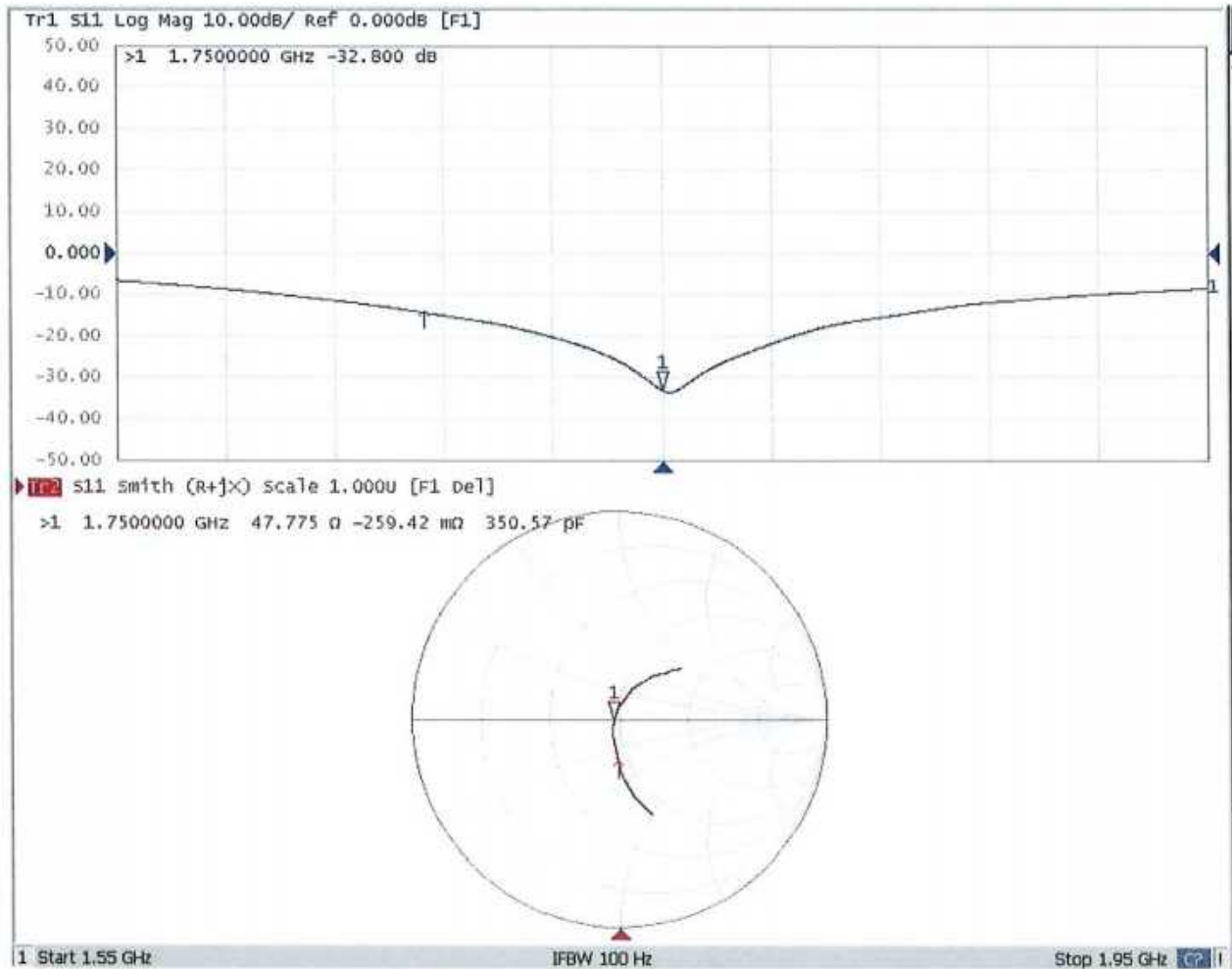


0 dB = 13.6 W/kg = 11.34 dBW/kg



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Impedance Measurement Plot for Head TSL



Client: **WSCT**

Certificate No: **24J02Z000419**

CALIBRATION CERTIFICATE

Object **D1900V2 - SN: 5d211**

Calibration Procedure(s) **FF-Z11-003-01**
Calibration Procedures for dipole validation kits

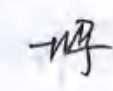
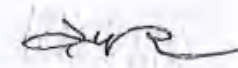
Calibration date: **August 19, 2024**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7464	22-Jan-24(SPEAG, No. EX-7464_Jan24)	Jan-25
DAE4	SN 1556	03-Jan-24(CTTL-SPEAG, No.24J02Z80002)	Jan-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Jun	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: August 30, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "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)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1900 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.0 $\pm$ 6 %	1.43 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	---	---

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	9.97 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	39.7 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	5.26 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	21.0 W/kg $\pm$ 18.7 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.8Ω+ 4.38jΩ
Return Loss	- 27.1dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.104 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------

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E-mail: cttl@chinattl.com <http://www.caict.ac.cn>

DASY5 Validation Report for Head TSL

Date: 2024-08-19

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d211

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.427$ S/m; $\epsilon_r = 41.03$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7464; ConvF(7.64, 7.81, 7.99) @ 1900 MHz; Calibrated: 2024-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2024-01-03
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.54 V/m; Power Drift = -0.04 dB

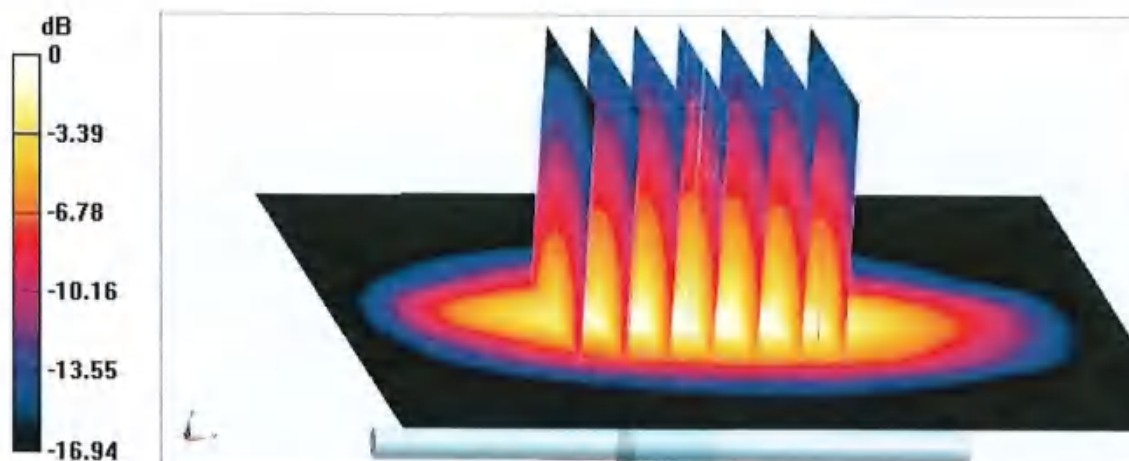
Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 9.97 W/kg; SAR(10 g) = 5.26 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 56.4%

Maximum value of SAR (measured) = 15.3 W/kg

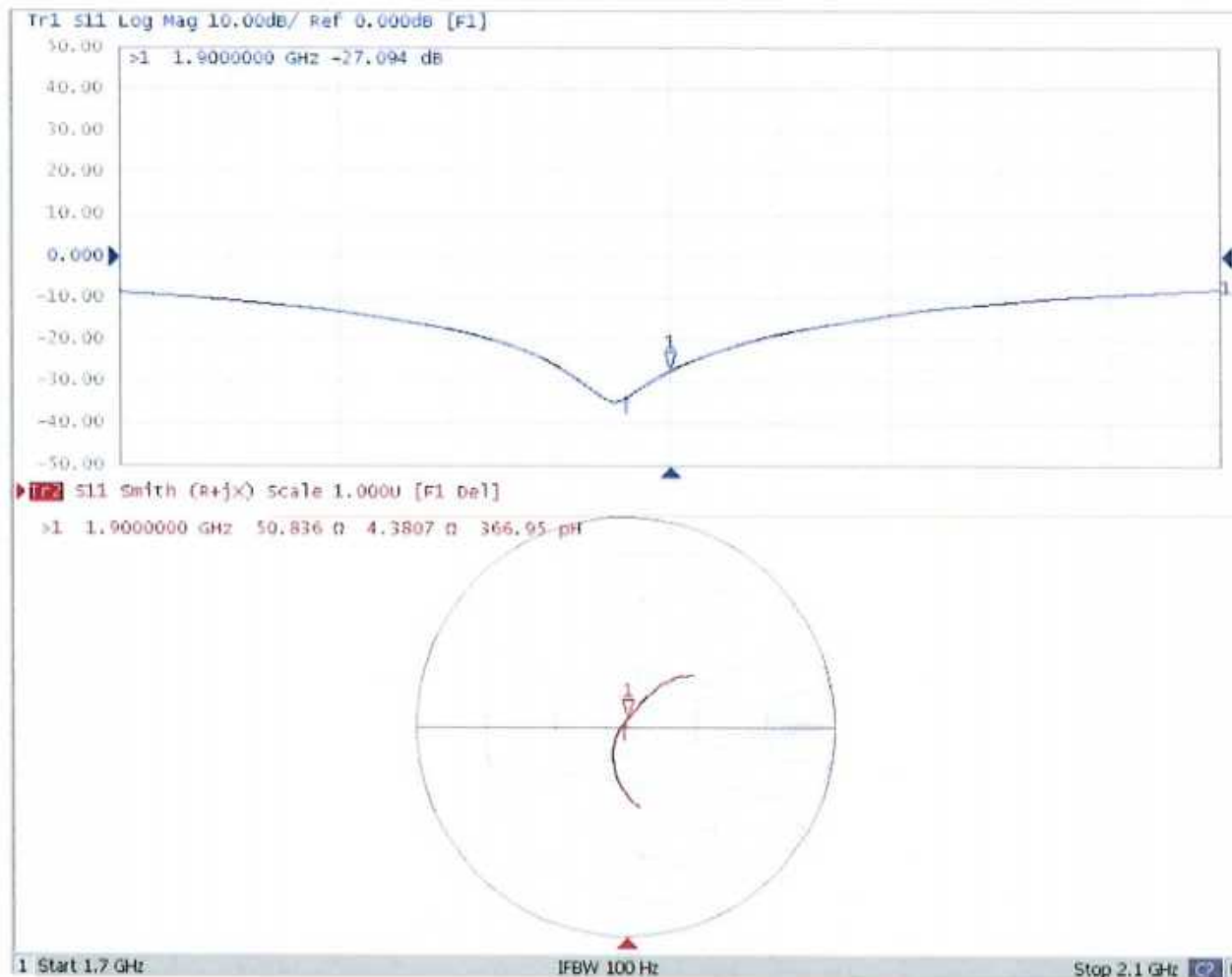


0 dB = 15.3 W/kg = 11.85 dBW/kg



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Impedance Measurement Plot for Head TSL





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The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

WSCT
Shenzhen

Certificate No.

D2550V2-1015_Aug24

CALIBRATION CERTIFICATE

Object D2550V2 - SN: 1015

Calibration procedure(s) QA CAL-05.v12
Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date August 16, 2024

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Power Sensor R&S NRP18A	SN: 101859	21-Mar-24 (No. 4030A315007801)	Mar-25
Spectrum Analyzer R&S FSV40	SN: 101832	25-Jan-24 (No. 4030-315007551)	Jan-25
Mismatch; Short [S4188] Attenuator [S4423]	SN: 1152	28-Mar-24 (No. 217-04050)	Mar-25
OCP DAK-12	SN: 1016	05-Oct-23 (No. OCP-DAK12-1016_Oct23)	Oct-24
OCP DAK-3.5	SN: 1249	05-Oct-23 (No. OCP-DAK3.5-1249_Oct23)	Oct-24
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25
DAE4ip	SN: 1836	10-Jan-24 (No. DAE4ip-1836_Jan24)	Jan-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Source Box	SN: 1000	28-May-24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 0001-300719404)	May-25
Mismatch; SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

	Name	Function	Signature
Calibrated by	Aidonia Georgiadou	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	

Issued: August 19, 2024

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Accreditation No.: SCS 0108

Glossary

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY8 Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Zoom Scan Resolution	dx, dy = 5mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	2550MHz $\pm$ 1MHz	

Head TSL parameters at 2550 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.1	1.91 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2)°C	37.5 $\pm$ 6%	1.95 mho/m $\pm$ 6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 2550 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	13.6 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	54.1 W/kg $\pm$ 17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	6.21 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.7 W/kg $\pm$ 16.5% (k = 2)

Appendix (Additional assessments outside the scope of SCS 0108)**Antenna Parameters with Head TSL at 2550 MHz**

Impedance	50.4 Ω – 1.3 j Ω
Return Loss	-37.4 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.151 ns
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D2550V2 - SN1015	2550	HSL	24

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	10		CW, 0--	2550, 0	7.35	1.95	37.5

Hardware Setup

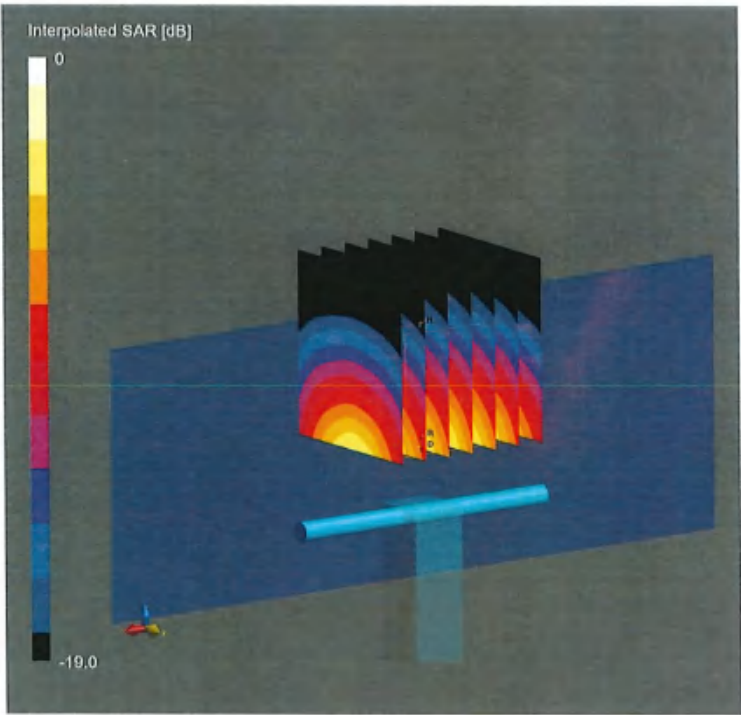
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center	HSL, 2024-08-16	EX3DV4 - SN7349, 2024-06-03	DAE4ip Sn1836, 2024-01-10

Scans Setup

	Zoom Scan
Grid Extents [mm]	30 x 30 x 30
Grid Steps [mm]	5.0 x 5.0 x 1.5
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.5
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

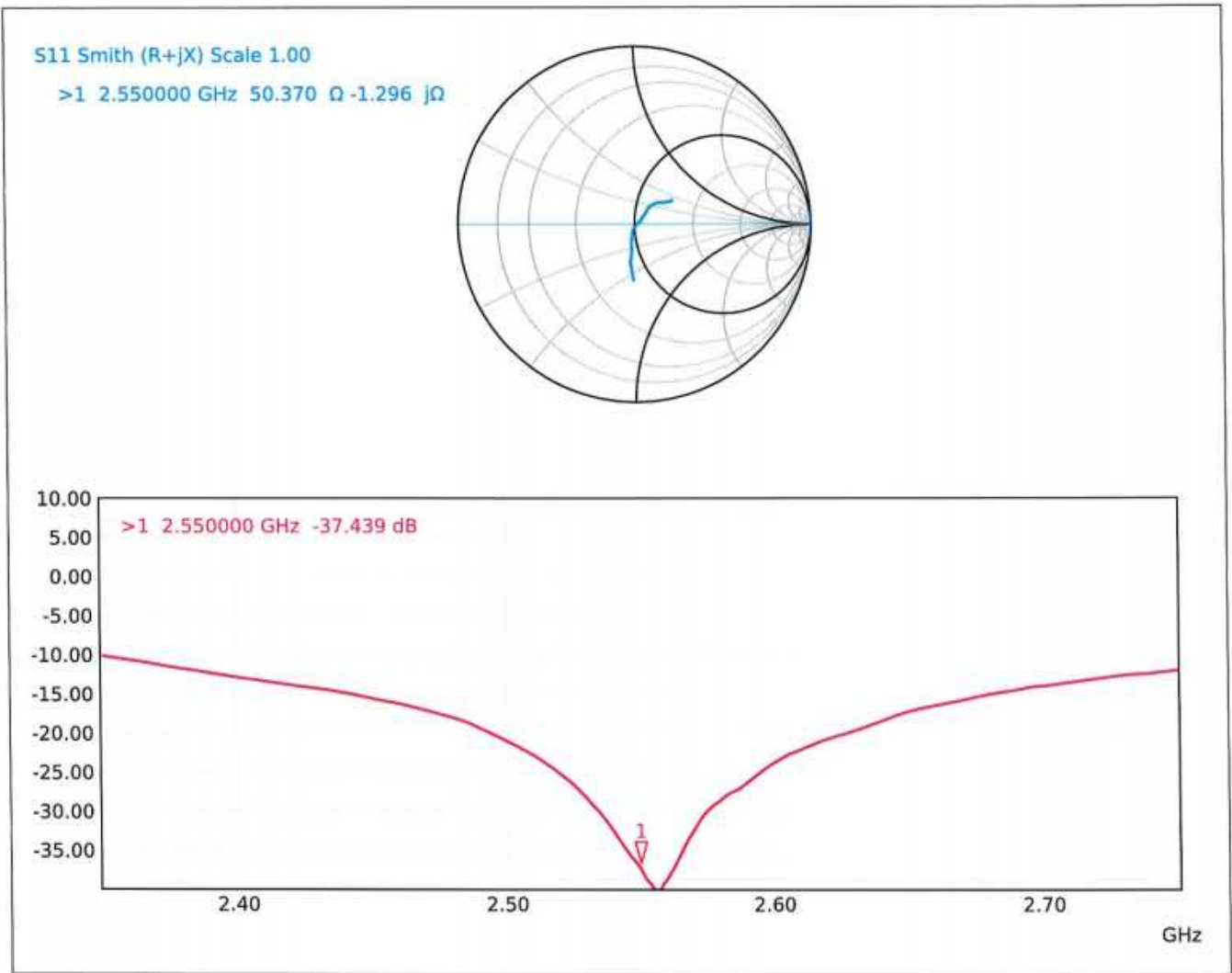
Measurement Results

	Zoom Scan
Date	2024-08-16
psSAR1g [W/Kg]	13.6
psSAR10g [W/Kg]	6.21
Power Drift [dB]	0.01
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative



0 dB = 29.0 W/Kg

Impedance Measurement Plot for Head TSL





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Multilateral Agreement for the recognition of calibration certificates**

Accreditation No.: **SCS 0108**

Client

WSCT
Shenzhen

Certificate No.

D5GHzV2-1412_Oct24

CALIBRATION CERTIFICATE

Object **D5GHzV2 - SN: 1412**

Calibration procedure(s) **QA CAL-22.v7**
Calibration Procedure for SAR Validation Sources between 3 - 10 GHz

Calibration date **October 17, 2024**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Power Sensor R&S NRP18A	SN: 101859	22-Jul-24 (No. 4030A315008547)	Jul-25
Spectrum Analyzer R&S FSV40	SN: 101832	25-Jan-24 (No. 4030-315007551)	Jan-25
Mismatch; Short [S4188] Attenuator [S4423]	SN: 1152	28-Mar-24 (No. 217-04050)	Mar-25
OCP DAK-12	SN: 1016	24-Sep-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sep-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25
DAE4ip	SN: 1836	10-Jan-24 (No. DAE4ip-1836_Jan24)	Jan-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Source Box	SN: 1000	28-May-24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 675-CAL16-S4588-240528)	May-25
Mismatch; SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

	Name	Function	Signature
Calibrated by	Paulo Pina	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	

Issued: October 17, 2024

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Calibration Laboratory of

Schmid & Partner
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
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**The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates**

Accreditation No.: **SCS 0108**

Glossary

TSL tissue simulating liquid
ConvF sensitivity in TSL / NORM x,y,z
N/A not applicable or not measured

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY8 Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Zoom Scan Resolution	dx, dy = 4mm, dz = 1.4mm	Graded Ratio = 1.4 mm (Z direction)
Frequency	5200MHz $\pm$ 1MHz 5300MHz $\pm$ 1MHz 5500MHz $\pm$ 1MHz 5600MHz $\pm$ 1MHz 5800MHz $\pm$ 1MHz	

Head TSL parameters at 5200 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	36.0	4.66 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2)°C	35.9 $\pm$ 6%	4.51 mho/m $\pm$ 6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5200 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	7.60 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	76.0 W/kg $\pm$ 19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	2.20 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.0 W/kg $\pm$ 19.5% (k = 2)

Head TSL parameters at 5300 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.76 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	35.7 ±6%	4.60 mho/m ±6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5300 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	8.06 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.6 W/kg ±19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	2.33 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.3 W/kg ±19.5% (k = 2)

Head TSL parameters at 5500 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.6	4.96 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	35.3 ±6%	4.82 mho/m ±6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5500 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	8.56 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	85.6 W/kg ±19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	2.45 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.5 W/kg ±19.5% (k = 2)

Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	35.1 ±6%	4.94 mho/m ±6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	8.33 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	83.3 W/kg ±19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	2.41 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.1 W/kg ±19.5% (k = 2)

Head TSL parameters at 5800 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.3	5.27 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	34.9 ±6%	5.15 mho/m ±6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5800 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	7.90 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	79.0 W/kg ±19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	20 dBm input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.7 W/kg ±19.5% (k = 2)

Appendix (Additional assessments outside the scope of SCS 0108)**Antenna Parameters with Head TSL at 5200 MHz**

Impedance	53.3 Ω - 4.8 j Ω
Return Loss	-25.0 dB

Antenna Parameters with Head TSL at 5300 MHz

Impedance	48.4 Ω + 2.0 j Ω
Return Loss	-31.6 dB

Antenna Parameters with Head TSL at 5500 MHz

Impedance	47.6 Ω - 2.2 j Ω
Return Loss	-29.5 dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance	55.9 Ω + 0.5 j Ω
Return Loss	-25.1 dB

Antenna Parameters with Head TSL at 5800 MHz

Impedance	50.5 Ω + 4.2 j Ω
Return Loss	-27.5 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.207 ns
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D5GHzV2 - SN1412	5200	HSL	20

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	10		CW, 0--	5200, 0	5.68	4.51	35.9

Hardware Setup

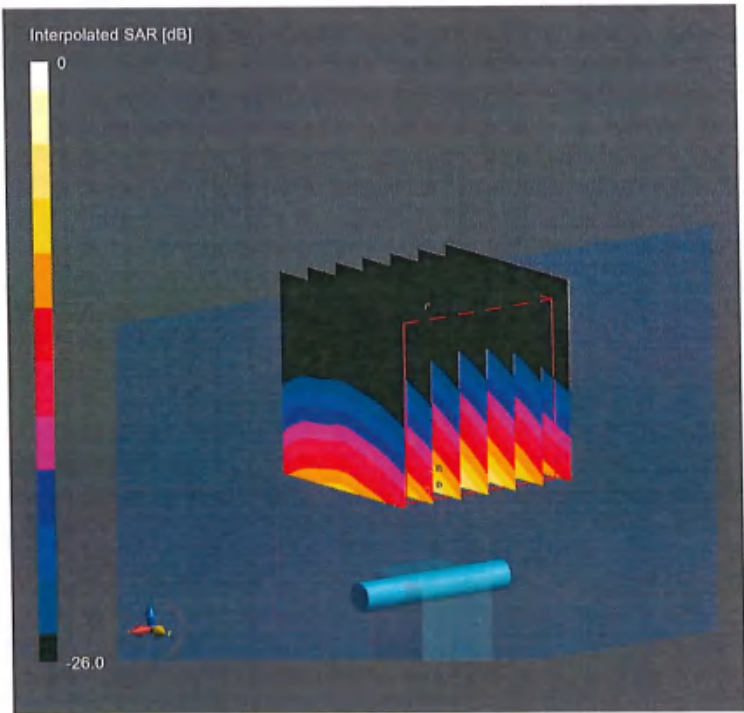
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center	HSL, 2024-10-17	EX3DV4 - SN7349, 2024-06-03	DAE4lp Sn1836, 2024-01-10

Scans Setup

	Zoom Scan
Grid Extents [mm]	22 x 22 x 22
Grid Steps [mm]	4.0 x 4.0 x 1.4
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.4
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

Measurement Results

	Zoom Scan
Date	2024-10-17
psSAR1g [W/Kg]	7.60
psSAR10g [W/Kg]	2.20
Power Drift [dB]	0.00
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative



0 dB = 30.4 W/Kg

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D5GHzV2 - SN1412	5300	HSL	20

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	10		CW, 0---	5300, 0	5.45	4.60	35.7

Hardware Setup

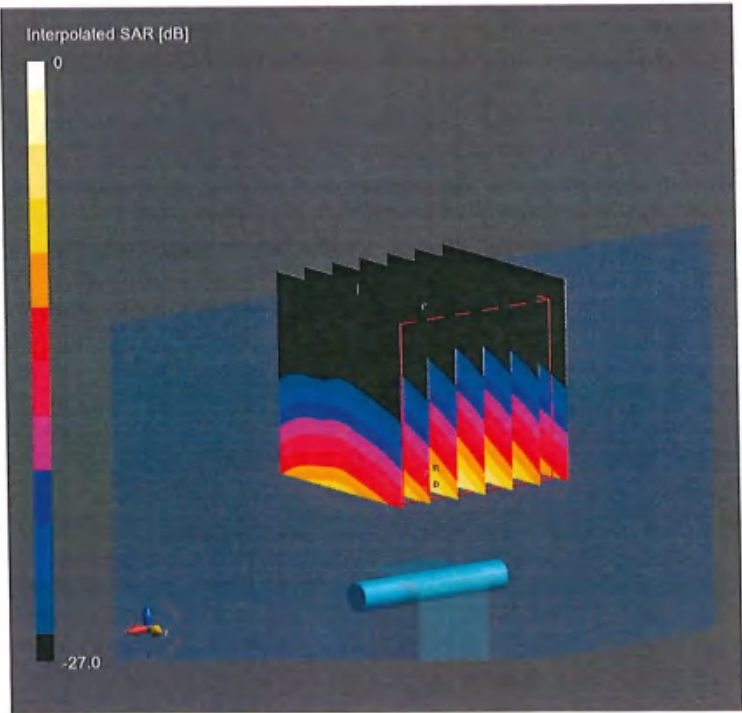
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center	HSL, 2024-10-17	EX3DV4 - SN7349, 2024-06-03	DAE4ip Sn1836, 2024-01-10

Scans Setup

	Zoom Scan
Grid Extents [mm]	22 x 22 x 22
Grid Steps [mm]	4.0 x 4.0 x 1.4
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.4
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

Measurement Results

	Zoom Scan
Date	2024-10-17
psSAR1g [W/Kg]	8.06
psSAR10g [W/Kg]	2.33
Power Drift [dB]	0.00
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative



0 dB = 33.1 W/Kg

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D5GHzV2 - SN1412	5500	HSL	20

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	10		CW, 0--	5500, 0	5.07	4.82	35.3

Hardware Setup

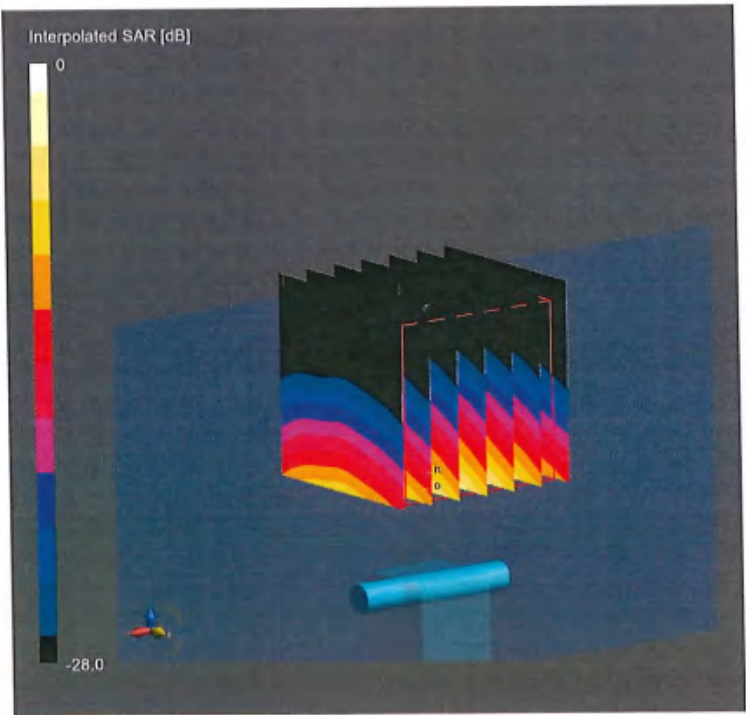
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center	HSL, 2024-10-17	EX3DV4 - SN7349, 2024-06-03	DAE4ip Sn1836, 2024-01-10

Scans Setup

	Zoom Scan
Grid Extents [mm]	22 x 22 x 22
Grid Steps [mm]	4.0 x 4.0 x 1.4
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.4
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

Measurement Results

	Zoom Scan
Date	2024-10-17
psSAR1g [W/Kg]	8.56
psSAR10g [W/Kg]	2.45
Power Drift [dB]	0.00
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative



0 dB = 36.7 W/Kg